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DEPARTMENT OF THE AIR FORCE
HEADQUARTERS 377TH AIR BASE WING (AFMC)

8 December 1994

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2000 Wyoming Blvd SE
Kirtland AFB NM 87117-5659

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XIII

Dear Ms. Morlock

Enclosed are two copies of the Draft Final RFI Reports for Stages 2B and 2D-1, with one copy of the appendices for each report. A disk copy, in MS Word, for each report is also enclosed.

55

Please call me at (505) 846-2773/0053 if you have any questions.

Sincerely

CHRISTOPHER B. DeWITT, R.P.G.
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Kirtland Air Force Base
Albuquerque, New Mexico

RCRA Facility Investigation (RFI)
Stage 2B

FINAL DRAFT - December 8, 1994

377 ABW/EMR
2000 Wyoming Blvd SE
Kirtland AFB, New Mexico 87117-5659

INSTALLATION RESTORATION PROGRAM
STAGE 2B

FINAL DRAFT
RCRA FACILITY INVESTIGATION (RFI) REPORT

KIRTLAND AIR FORCE BASE
ALBUQUERQUE, NEW MEXICO

DECEMBER 1994

PREPARED FOR
HQ AFCEE/ESR
ENVIRONMENTAL SERVICES DIRECTORATE
BROOKS AFB, TX 78235-5328

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PREPARED BY
HALLIBURTON NUS CORPORATION
ALBUQUERQUE, NEW MEXICO 87106

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PREFACE

This RCRA Facility Investigation (RFI) Report summarizes the RFI conducted during 1994 at 73 sites listed as solid waste management units within Appendix II of the RCRA Part B Permit for Kirtland AFB. This report was prepared to address the requirement of the USAF Statement of Work, dated March 7, 1994 and also the requirements for an RFI Report as specified in the RCRA Part B Permit for Kirtland AFB. This report was prepared by Halliburton NUS Corporation from July through October 1994. Mr. Bassim D. Shebaro of the Air Force Center for Environmental Excellence (AFCEE) was the Restoration Team Chief and Mr. Rodney C. Arnold served as the Contracting Officer's Representative (COR).

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ACRONYMS & ABBREVIATIONS
STAGE 2B RFI

ABW	Air Base Wing
AFB	Air Force Base
AFCEE	U.S. Air Force Center for Environmental Excellence
AFMC	Air Force Materiel Command
AFWL	Air Force Weapons Laboratory
AMC	Air Mobility Command
amsl	above mean sea level
ASTM	American Society of Testing Materials
bgs	below ground surface
BNA	Base-Neutral Acids
CCCS	Continuing Calibration Check Standard
CCV	Continuing Calibration Verification
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CES	Civil Engineers Squadron
CFR	Code of Federal Regulations
CMI	Corrective Measures Implementation
CMS	Corrective Measures Study
COR	Contracting Officer's Representative
COV	Coefficient of Variation
CRQL	Contract Required Quantitation Limit
CSF	Cancer Slope Factor
CTW	Crew Training Wing
DoD	United States Department of Defense
DOE	United States Department of Energy
DOT	United States Department of Transportation
DQO	Data Quality Objective
DRO	Diesel Range Organics
FID	Flame Ionization Detector
FS	Feasibility Study
FSP	Field Sampling Plan
FTL	Field Team Leader
GPR	Ground-Penetrating Radar
GPS	Global Positioning System
GRO	Gasoline Range Organics
HCl	Hydrochloric Acid
HEA	Health and Environmental Assessment
HHRB	Human Health Risk-Based
HR1	Hydrogeologic Region I
HR2	Hydrogeologic Region II
HR3	Hydrogeologic Region III
HSA	Hollow-Stem Auger
ICP	Inductively Coupled Plasma
ICS	Interference Check Sample
ICV	Initial Calibration Verification

ACRONYMS & ABBREVIATIONS
STAGE 2B RFI
(continued)

IDL	Instrument Detection Limit
IRIS	Integrated Risk Information System
IRP	Installation Restoration Program
ITRI	Inhalation Toxicology and Research Institute
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
LIMS	Laboratory Information Management System
LOAEL	Lowest-Observed-Adverse-Effect-Level
MS/MSD	Matrix Spike/Matrix Spike Duplicate
NaI	Sodium Iodide
NCP	National Contingency Plan
ND	Not Detected
NFA	No Further Action
NFRAP	No Further Response Action Planned
NGVD29	1929 National Geodetic Vertical Datum
NIST	National Institute of Standards and Technology
NMED	New Mexico Environment Department
NOAA	National Oceanic and Atmospheric Administration
NOAEL, NOEL	No-Observed-Adverse-Effect-Level
OWS	Oil/Water Separator
PAH	Polynuclear Aromatic Hydrocarbons
PCB	Polychlorinated Biphenyls
PID	Photoionization Detector
POC	Point of Contact
PR	Preliminary Review
QA	Quality Assurance
QAP	Quality Assurance Plan
QAPjP	Quality Assurance Project Plan
QC	Quality Control
RCRA	Resource Conservation and Recovery Act
RfD	Reference Dose
RFI	RCRA Facility Investigation
RI	Remedial Investigation
RRF	Relative Response Factor
RSD	Relative Standards Deviation
SAIC	Science Applications International Corporation
SAP	Sampling and Analysis Plan
SARA	Superfund Amendments and Reauthorization Act
SDG	Sample Delivery Group
SNL	Sandia National Laboratories
SOP	Standard Operating Procedure
SVOC	Semivolatile Organic Compound
SWMU	Solid Waste Management Unit

ACRONYMS & ABBREVIATIONS
STAGE 2B RFI
(continued)

TCL	Total Chlorinated Hydrocarbon
TCLP	Toxicity Characteristic Leaching Procedure
TOX	Total Organic Halides
TPH	Total Petroleum Hydrocarbons
UCL	Upper Confidence Limit
UNM	University of New Mexico
USACE	U.S. Army Corps of Engineers
USAEC	United States Atomic Energy Commission
USAF	United States Air Force
USEPA	United States Environmental Protection Agency
USFS	United States Forest Service
USGS	United States Geological Survey
UST	Underground Storage Tank
UTL	Upper Tolerance Limit
VOA	Volatile Organic Analysis
VOC	Volatile Organic Compound
VSI	Visual Site Inspection
WSA	Weapons Storage Area

Executive Summary

EXECUTIVE SUMMARY

This Resource Conservation and Recovery Act (RCRA) Facility Investigation (RFI) at Kirtland Air Force Base (AFB) was performed to fulfill the requirements of Kirtland AFB's RCRA Part B Permit. Kirtland AFB is located in central New Mexico, southeast of, and adjacent to, the City of Albuquerque and the Albuquerque International Airport. Kirtland AFB covers approximately 52,287 acres, and is presently host to the 377th Air Base Wing of the Air Materiel Command.

This RFI Report presents the Stage 2B investigation results. This investigation was performed in support of the United States Air Force Installation Restoration Program (IRP), a program developed by the US Department of Defense (DOD) to identify and evaluate hazardous waste storage and disposal sites on DOD property, and to mitigate any potential adverse effects to human health and the environment caused by management of hazardous wastes at these sites. This investigation was performed following a RCRA Facility Assessment, and previous IRP environmental investigations that identified various solid waste management units (SWMUs) where contaminants may have been released to the environment. The principal objectives of this investigation were to (1) confirm the presence or absence of contaminants at the sites evaluated, (2) determine the nature and extent of contamination, if present, and (3) evaluate any actual and/or potential risk to public health and the environment.

Site investigations were prioritized by the USEPA based on the assumed potential for release and damage to the environment. Those sites having a similar potential were grouped together as appendices in Kirtland AFB's RCRA Part B Permit. Originally, three appendices (Appendix I, II and III) were established, and each was scheduled as separate investigation stages. Appendix I sites were previously investigated during the Stage 2A investigation (USGS, 1993b), and Appendix III sites will be investigated during the Stage 2C investigation. This RFI report presents the investigation results for sites contained in Appendix II.

The Appendix II Stage 2B RFI sites include 46 oil/water separators, 7 area drains, 5 holding tanks, 3 waste oil underground storage tanks, 3 sewage ejector units, 2 sediment traps, 1 catch basin, 1 floor drain, 1 silver recovery unit, 1 piping trench, 1 dilution pond, 1 dilution pit, and 1 fire training area.

The Stage 2B investigation was conducted in two field sampling phases. The first field phase was conducted from September 9, 1993, to February 3, 1994. The second field phase was conducted from March 21, 1994, to July 25, 1994. RFI activities included a soil vapor survey, surface and subsurface soil sample collection, and laboratory analysis. Subsurface samples, at depths up to 40 ft,

were collected using a Geoprobe system; deeper subsurface samples were collected using a hollow-stem auger drill rig. Soil samples were analyzed for numerous parameters including volatile organics, semivolatile organics, metals, and petroleum hydrocarbons.

At sites where constituents of concern were detected at concentrations at or above human health risk based (HHRB) action levels but potentially not derived from the SWMU, a site-specific risk assessment was performed. The risk assessment objective was to determine whether the soil at a particular site presents a sufficient threat to public health or the environment to warrant a Corrective Measures Study (CMS). Risk assessment for only the "worst-case" future residential land use scenario was considered. Exposure scenarios were limited to accidental soil ingestion by adult and child receptors. Although this scenario or exposure route may not accurately depict current or possible future site conditions, it was considered to be the most conservative approach.

Of the 73 sites investigated, 53 sites did not have evidence of contaminant releases, and No Further Action proposals are recommended. The remaining 20 sites, where there was possible or definite evidence of a release, are presented in Table ES-1. Risk assessments were performed at 12 of the 20 sites to determine whether further investigation or a CMS is necessary. The eight other sites showed evidence of contaminant release or had anomalous detections of one or more constituents of concern. Further investigation or CMSs are proposed for these sites (Table ES-1).

According to USEPA guidelines, 9 of the 12 sites where a risk assessment was performed had acceptable carcinogenic and noncarcinogenic risks, and No Further Action proposals are recommended. The remaining two sites (ST-248, ST-221, and ST-266) will require further investigation. Investigation results, risk assessment summaries, and conclusions and recommendations for the 20 sites where there was evidence of contaminant releases are in the individual site sections of the RFI report listed in Table ES-1. A summary of sites requiring further action follows.

Eleven sites require some type of further action (Table ES-1) defined as follows:

- ***Acquiring Additional Data.*** Anomalous concentrations of constituents of concern at eight sites require further data collection to determine possible release sources or contaminant extent before determining whether corrective measures are warranted.

- ***CMS.*** Constituent of concern concentrations above the HHRB action levels were detected at four sites. A CMS is recommended to determine the appropriate remedial action. Supplemental sampling has already been performed at Sites ST-210 and ST-219 using a hollow-stem auger. Borings were drilled to 150-ft depths. Contaminant concentrations above HHRB action levels

Table ES-1. Summary of Recommendations for Selected Sites

Site	Description	Corrective Measures Action	Corrective Measures Study	Acquire Additional Data	No Further Action	Text Section
WP-47	Silver Recovery Unit, Bldg. 1000	X		X		5.0
FT-14	Manzano Fire Training Area	X	X			7.0
ST-202	Sediment Trap, Bldg. 333			X		10.0
ST-210	Oil/Water Separator, Bldg. 377		X			15.0
ST-211	Oil/Water Separator, Bldg. 381			X		16.0
ST-215	Oil/Water Separator, Bldg. 471		X			18.0
ST-219	Oil/Water Separator, Between Bldgs. 481 & 482		X			21.0
ST-221	Oil/Water Separator, Between Bldgs. 1001 & 1002			X		23.0
ST-227	Holding Tank, Bldg. 1037				X	25.0
ST-228	Area Drain, Bldg. 1040				X	26.0
ST-230	Oil/Water Separator, Bldg. 1046				X	28.0
ST-247	Oil/Water Separator, Bldg. 2637				X	36.0
ST-248	Oil/Water Separator, Bldg. 20205			X		37.0
ST-255	Oil/Water Separator, Bldg. 20375				X	8.0
ST-256	Oil/Water Separator, Bldg. 20375				X	8.0
ST-257	Oil/Water Separator, Bldg. 20375				X	8.0
ST-258	Oil/Water Separator, Bldg. 20375			X		8.0
ST-265	Oil/Water Separator, Bldg. 30148			X		47.0
ST-266	Area Drain, Bldg. 57001			X		48.0
ST-271	Neutralization Pit				X	6.0

were detected at ST-210 down to a depth of 49 ft below ground surface (bgs) and at ST-219 down to 102 ft bgs. The RFI Report recommends that additional sampling be performed at these two sites to define the vertical and lateral extent of contamination. Soil sampling analytical results would be used to determine if monitor well installation is appropriate. As Interim Corrective Actions, oil/water separator ST-210 was taken out of service, and oil/water separator ST-219 was removed in October 1994.

- ***Corrective Measures Action (CMA).*** A CMA is recommended at two sites. Lead concentrations greater than 1,000 mg/kg in surface soils at fire training area FT-14 are such that limited soil removal should be performed in both the eastern and western pits as an Interim Corrective Measures Action. Further characterization and a CMS are also recommended to determine the vertical and lateral extent of soil affected.

  As a corrective measures action, the drains at silver recovery unit WP-47 should be cleaned with a high-pressure washer or other method to remove the residual silver-laden sludge. The effluent from the cleaning effort should be collected and disposed of properly.

1.0 Introduction

This Resource Conservation and Recovery Act (RCRA) Facility Investigation (RFI) Report has been prepared for Kirtland Air Force Base (AFB) as part of the United States Air Force (USAF) Installation Restoration Program (IRP) under Contract Number F33615-90-D-4011, Delivery Order 0022. This RFI Report addresses 73 sites listed as Solid Waste Management Units (SWMUs) within Appendix II of the RCRA Part B Permit for Kirtland AFB and summarizes the RFI conducted at these sites during 1994. This RFI Report was prepared to meet the requirements of the USAF Statement of Work dated March 7, 1994.

The purpose of this RFI was to obtain necessary data to characterize the extent of any releases of hazardous waste or hazardous waste constituents at the 73 sites. Additionally, the data may be used to identify and select appropriate corrective measures or to justify No Further Action (NFA).

The Kirtland AFB RCRA Part B Permit originally required submission of three separate RCRA RFI work plans. Separate work plans have been developed for Appendix I and II sites as identified in the permit. A third set of two work plans addresses the SWMUs contained in Appendix III of the permit. After petitioning by Kirtland AFB, the United States Environmental Protection Agency (USEPA) approved the development of a fourth set of sites, hereafter identified as the Appendix IV sites. The Appendix IV sites, which consist of seven sites associated with former radiological activities at the Base, include two radiological burial sites (RB-11 and RB-07) and five emergency underground holding tanks. These sites were realigned from Appendix I and Appendix II.

The investigations of the Appendix I, Appendix II, and Appendix III sites are referred to as Stages 2A, 2B, 2C, and 2D. The investigation approach and procedures to be utilized at RB-11 were previously included in the Stage 2B Work Plan, which was approved by USEPA by letter on June 8, 1993. The investigation approach and procedures to be used at RB-07, previously included in the Stage 2C Work Plan, were approved by USEPA by letter on April 7, 1994. The investigation for these two sites is now referred to as 2D-1. The 2D-1 investigation used the applicable portions of the Stage 2B and Stage 2C Work Plans. The investigation of the five emergency underground holding tanks is referred to as 2D-2 and is presented in a separate work plan. A draft of the RFI Report for Stage 2D-2 is due to USEPA Region VI by February 11, 1996, 18 months after the 2D-2 Work Plan approval.

1.1 USAF Installation Restoration Program

The USAF IRP is intended to identify, confirm/quantify, and remedy problems caused by past management of hazardous wastes at USAF facilities. It is the basis for assessment and response actions at USAF installations under the provision of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA). The USAF IRP was originally developed as a four-phased program:

- Phase I—Installation Assessment
- Phase II—Confirmation/Quantification
- Phase III—Technology Base Development
- Phase IV—Remedial Action Plan/Operations

After passage of the Superfund Amendments and Reauthorization Act (SARA) in October 1986, the USAF altered the IRP so that it paralleled the USEPA CERCLA Remedial Investigation/Feasibility Study (RI/FS) process. Phase II and Phase IV efforts were combined into the RI/FS stage. Prior to this investigation, some Kirtland IRP sites had been identified and investigated through the CERCLA RI/FS process. Some of the IRP sites were recommended for NFA, as was reported in formal documentation. The work performed at these sites was in accordance with CERCLA under the IRP.

Initial guidance for the four-phased IRP was published in January 1982. The IRP Handbook was revised in 1989 to reflect SARA. This investigation was performed under the guidance of the *Handbook to Support the Installation Restoration Program (IRP) Statements of Work*, May 1991 (1991 IRP Handbook). Although the September 1993 edition of the IRP Handbook had been published at the time that field activities commenced for Stage 2B, the 1991 IRP Handbook was used because the approved investigative work plan was prepared using the 1991 IRP Handbook.

Although CERCLA guidelines are generally the basis for activities conducted under the IRP, this project is being performed under the authority of RCRA in accordance with the Kirtland AFB RCRA Part B Permit. The field, analytical, and reporting procedures were performed in accordance with the 1991 IRP Handbook and in compliance with USEPA and New Mexico Environment Department (NMED) requirements for RFIs as contained in the approved work plans for Stage 2B.

1.2 Installation Description

1.2.1 Base Location

Kirtland AFB is located in central New Mexico, southeast of and adjacent to the City of Albuquerque and next to the Albuquerque International Airport (Figure 1-1). The base is within Bernalillo County at an approximate latitude of 36°46'00" N and longitude of 108°21'15" W. The approximate area of the base is 52,287 acres. A general site plan for the base is presented in Figure 1-2.

1.2.2 Base History

Prior to 1928, the area where Kirtland AFB is now situated was rangeland. Construction of Albuquerque's first municipal airport, Oxnard Field, occurred between 1928 and 1930. The airfield was expanded in the mid 1930s to provide Army and Navy pilots with a transient refueling/maintenance stop. In the late 1930s to early 1940s, Oxnard Field was used as a transient stop for aircrews ferrying bomber aircraft to England. In 1939, the City of Albuquerque began planning a new municipal airport and the US Army leased 2,000 acres of land adjacent to Oxnard Field.

The Albuquerque Army Air Base (home of the 19th Bombardment Group) was constructed in 1941 for B-17 and B-18 bomber combat crew training. In late 1941 and 1942, the Bombardier School-Air Force Advanced Flying School opened at Albuquerque Army Air Base and training was expanded to include B-24s and AT-11 aircraft. In February 1942, Albuquerque Army Air Field was renamed Kirtland Field. Later that year, the Army Air Forces acquired Oxnard Field (approximately 11,000 acres to the east of Kirtland Field). Construction began on Albuquerque Air Depot Training Station, a training depot for aircraft mechanics (which later became Sandia Base).

From 1944 to 1945, Kirtland Field was used as an Army Air Force Medical Convalescent Center for returning veterans and a dismantling and storage facility for war-weary and surplus planes. In 1946, the Base became involved in activities supporting atomic bomb development. In 1947, Kirtland Field was redesignated Kirtland AFB. During 1947, the Base's main mission involved a continuation of World War II weapons development, ballistics, equipment handling, aircraft modification, and development tests for existing and proposed atomic bombs.

In 1945, portions of Los Alamos Laboratory moved to Albuquerque Air Depot Training Station to manage development of atomic bomb assemblies, and the station was redesignated to the Armed Forces Special Weapons Project (which later became the Air Force Special Weapons Center). This unit was the predecessor of the Sandia Branch of the Los Alamos Scientific Laboratory [Sandia

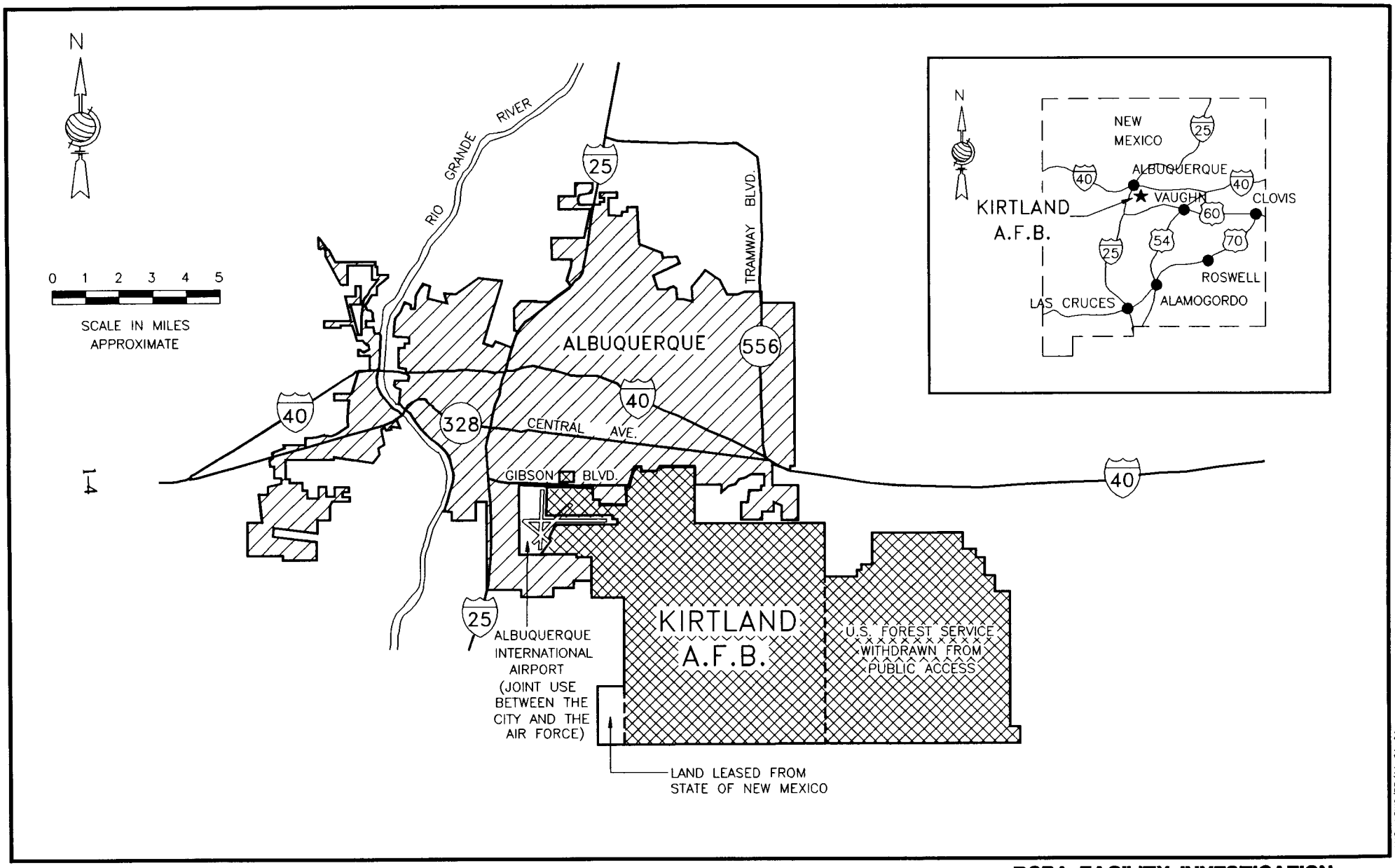
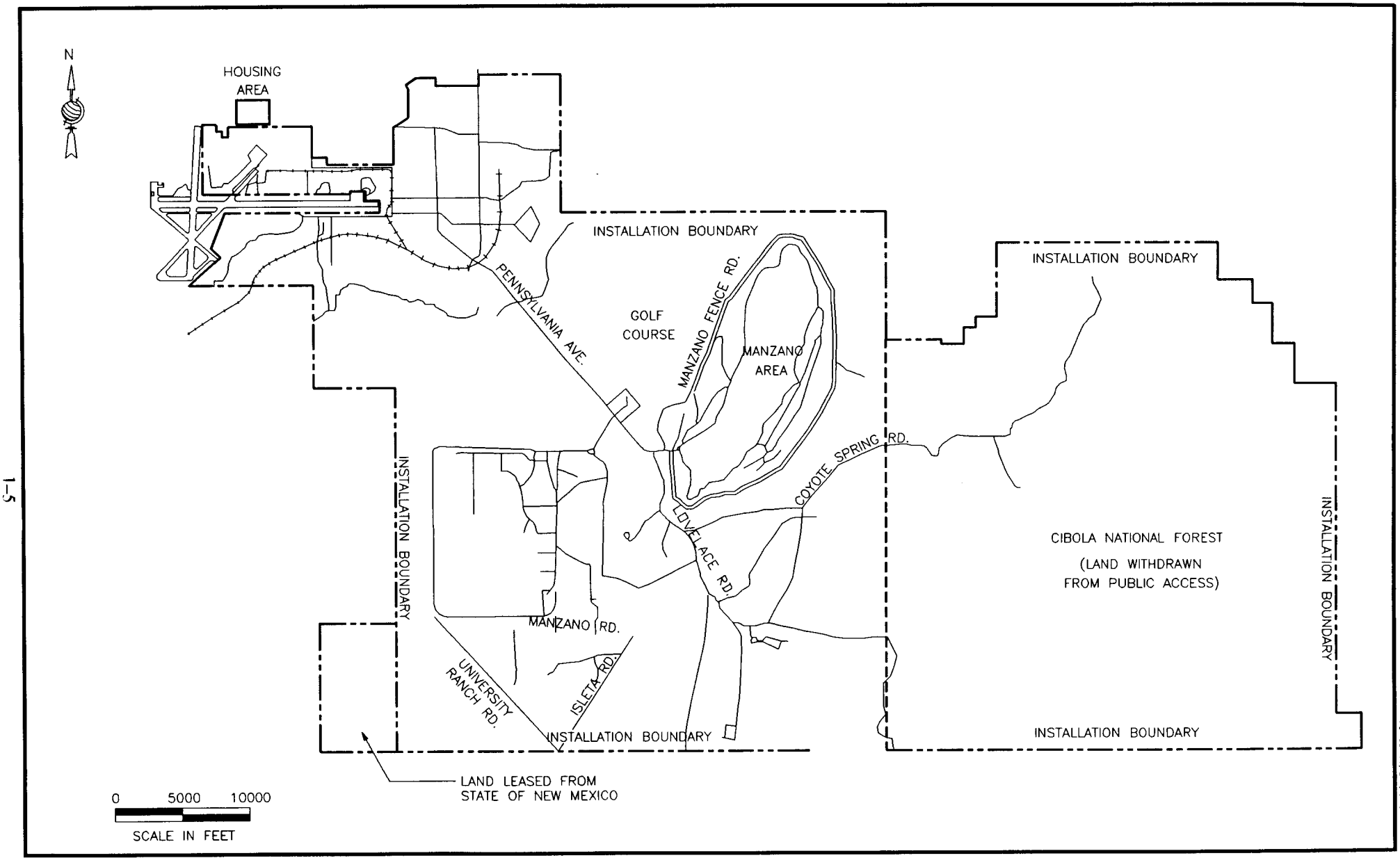


FIGURE 1-1

LOCATION OF
KIRTLAND AIR FORCE BASE, ALBUQUERQUE, NEW MEXICO

RCRA FACILITY INVESTIGATION
STAGE 2B
KIRTLAND AIR FORCE BASE, NEW MEXICO



GENERAL SITE PLAN

FIGURE 1-2

RCRA FACILITY INVESTIGATION
STAGE 2B
KIRTLAND AIR FORCE BASE, NEW MEXICO

National Laboratories (SNL)], the largest tenant at Kirtland AFB. SNL is involved in the development and testing of special weapons as well as the research and development of energy source systems.

Initial construction of a weapons storage area began in 1947. This storage area is located in the Manzanita Mountain foothills, known locally as the "Four Hills," near the southwestern boundary of what was then Sandia Base. The storage area, initially known as "Site Able," later became Manzano Base.

Both Kirtland AFB and Sandia Base were primarily known as nuclear testing and development facilities in the 1960s. In 1963, the Air Force Weapons Laboratory (AFWL) was established at Kirtland AFB to undertake weapons research and to develop simulation techniques. The AFWL was one of the major tenants at Kirtland AFB. In the 1960s, AFWL constructed facilities to simulate nuclear blast effects, including transient radiation, x-rays, and electromagnetic pulses (Engineering Science, 1981). The AFWL became part of Air Force Phillips Laboratory in December 1990.

In 1966, the airfield, taxiways, and attendant properties were sold to the City of Albuquerque to become the Albuquerque International Airport, and Kirtland AFB initiated a leased arrangement with the City to conduct its military flying operations. In July 1971, Manzano and Sandia Bases merged with Kirtland AFB and became the eastern side of Kirtland AFB; the Air Force Special Weapons Center assumed management responsibilities. In the 1970s, Kirtland AFB evolved into essentially a research and development base, hosting other military organizations. The research and development activities were primarily in the areas of nuclear weapons and nuclear blast effects, electronics, lasers, and explosives. The training activities were for pararescue specialists, helicopter crews, and noncommissioned officers (Kearney, 1986). During the early 1970s, the Air Force Contract Management Division was in command of the Base.

In 1976, the 4900th Air Base Wing (ABW) was created to oversee operational testing of emergency aircraft systems, and the 1550th Aircrew Training and Test Wing (later designated the Combat Crew Training Wing) brought regular flight operations to Kirtland AFB. Beginning in 1977, the Military Airlift Command became responsible for "host" activities and the 1606 ABW was designated the host organization. The host supports the needs of all of the facility's associates (except SNL), including maintenance, transportation, and administration.

In 1982, Kirtland AFB became the hub of USAF space technology when the Air Force Technology Center was activated. Later, in 1990, Air Force Phillips Laboratory was established and took over the Space Technology Center and Weapons Laboratory missions.

In October 1991, the 1550th Combat Crew Training Wing (CTW) merged with the 1606 ABW to form the 542nd Crew Training Wing, the host organization at Kirtland AFB. The wing's operational mission was to train all USAF helicopter and HC-130, crews as well as all pararescue personnel for worldwide operations.

In January 1993, the 542nd CTW split from the host wing to once again become a separate flying/training wing under Air Mobility Command (AMC) [formerly Military Airlift Command (MAC)], and the 377 ABW was activated as the new host base wing. Kirtland AFB was reassigned from AMC to Air Force Materiel Command (AFMC), headquartered at Wright-Patterson AFB OH. The 542nd CTW continued its role of training aircrews and pararescue specialists for worldwide duty with Air Force Special Operations Command and Air Rescue Service. On April 1, 1994, the 542 CTW became the 58th Special Operations Wing under the Air Education and Training Command. Additionally, Kirtland AFB continues to be one of the nation's leading research, development, test, and evaluation facilities.

As the host organization at Kirtland AFB, the 377 ABW supports the organizations at Kirtland AFB and acts as support in war-time mobility requirements in various critical specialties. The wing has 2,522 employees, including 166 officers, 1,375 enlisted personnel, and 981 civilian employees. The wing's mission is the support of Kirtland's nearly 21,000 employees who work for over 150 associate units. The two largest associates are SNL [operated for the US Department of Energy (DOE) under a separate USEPA I.D. number] and Phillips Laboratory. Other major tenants include the Air Force Operational Test and Evaluation Center, the Defense Nuclear Agency's Field Command, the Air Force Safety Agency, the Air Force Inspection Agency, and the Air Force Security Police Agency. The 377 ABW furnishes the resources, equipment, and facilities necessary to support these complex and varied organizations.

Traditionally, Kirtland AFB has been divided into a west side and an east side based on upon the demarcation line between the original Kirtland AFB and Sandia Army Base. For this Report, all references to the western or eastern portions of the base are based upon the entire area of the base, including the United States Forest Service (USFS) withdrawn portion.

The Environmental Management Division (EM) of the 377th Air Base Wing is responsible for waste management activities and environmental restoration efforts at Kirtland AFB. As of 1987, 806 buildings housed industrial shops, laboratories, and administrative activities. Over the years of facility operation, numerous functional changes have occurred for various buildings (e.g., from shop to laboratory to administration). Changes in laboratory research projects have resulted in changes in the waste stream composition and volume. Consequently, waste generation areas and the types of

wastes generated have changed over time (USEPA, 1983; Atchue, 1988; and Gupta and La Russo, 1988). The facility USEPA I.D. number was issued to the Installation Commander, who is considered the owner and operator of the US Department of Defense (DoD) facility. The objectives of the Kirtland AFB environmental restoration program are as follows:

- Provide staff resources necessary to complete the environmental restoration program.
- Protect human health and the environment.
- Comply with applicable statutes and regulations.
- Meet USEPA Region 6 and NMED schedules in any agreements and permits.
- Complete RFIs as soon as practicable for each IRP site.
- Identify all potential source areas.
- Establish areas of no suspected contamination.
- Initiate removal actions where necessary to control, eliminate, or reduce the risks to manageable levels.
- Characterize risks associated with releases of hazardous substances, pollutants, contaminants, or hazardous wastes.
- Develop, screen, and select Corrective Measures Implementations (CMIs) that reduce risks in a manner consistent with statutory requirements.
- Commence CMIs for IRP sites as soon as practicable.

1.3 Report Format

This RFI Report has been prepared to present information about the 73 sites studied during the Stage 2B investigation at Kirtland AFB. These sites are listed in Table 1-1 with locations shown on Figure 1-3. The report is organized into 49 sections plus appendices. The appendices are contained in separate volumes. The format for this RFI Report was developed in consultation with the USAF using site groupings consistent with the Stage 2B Work Plan.

- ***Section 1.0—Introduction***. This section outlines the current study and scope of this RFI, as well as general installation background information.

Table 1-1. Kirtland Air Force Base Stage 2B, Appendix II RFI Sites

Site	SWMU No.	Description	Text Section
WP-47	8-6	Silver Recovery Unit	5.0
ST-270	9-14	Buried Caustic Drain Line	6.0
ST-271	9-15	Neutralization Pit	6.0
ST-272	9-16	Evaporation/Infiltration Pond	6.0
FT-14	0-0	Fire Training Area	7.0
ST-326	8-35	Used Oil UST	8.0
ST-255	10-7	O/W Separator	8.0
ST-256	10-7	O/W Separator	8.0
ST-257	10-7	O/W Separator	8.0
ST-258	10-7	O/W Separator	8.0
ST-201	10-7	O/W Separator	9.0
ST-202	10-7	Sediment Trap	10.0
ST-203	10-7	O/W Separator	10.0
ST-204	10-7	O/W Separator	10.0
ST-205	10-7	Sediment Trap	10.0
ST-206	10-7	O/W Separator	11.0
ST-207	10-7	O/W Separator	12.0
ST-208	10-7	O/W Separator	13.0
ST-209	10-7	Catch Basin	14.0
ST-210	10-7	O/W Separator and Holding Tank	15.0
ST-211	10-7	O/W Separator	16.0
ST-212	10-7	O/W Separator	17.0
ST-213	10-7	Area Drain	16.0
ST-214	10-7	Used Oil UST	18.0
ST-215	10-7	O/W Separator	18.0
ST-216	10-7	O/W Separator	18.0
ST-217	10-7	O/W Separator	19.0
ST-218	10-2/8-5	O/W Separator	20.0

Table 1-1. Kirtland Air Force Base Stage 2B, Appendix II RFI Sites (continued)

Site	SWMU No.	Description	Text Section
ST-219	10-7	O/W Separator	21.0
ST-220	10-2	Floor Drain	22.0
ST-221	8-13	O/W Separator	23.0
ST-222	10-7	O/W Separator	24.0
ST-223	10-7	Sewage Ejector Unit	24.0
ST-224	10-7	Area Drain	24.0
ST-225	10-7	Holding Tank	24.0
ST-226	10-7	O/W Separator	25.0
ST-227	10-7	Holding Tank	25.0
ST-228	10-7	Area Drain	26.0
ST-229	10-7	Sewage Ejector Unit	27.0
ST-230	10-7	O/W Separator	28.0
ST-231	10-7	Holding Tank	28.0
ST-232	10-7	Sewage Ejector Unit	28.0
ST-233	10-7	Area Drain	29.0
ST-234	10-7	O/W Separator	30.0
ST-235	10-7	O/W Separator	30.0
ST-236	10-7	O/W Separator	30.0
ST-237	10-7	Area Drain	30.0
ST-238	10-7	O/W Separator	31.0
ST-239	10-7	O/W Separator	31.0
ST-240	10-7	Holding Tank	31.0
ST-241	10-7	O/W Separator	32.0
ST-242	8-26	O/W Separator	33.0
ST-243	8-26	O/W Separator	33.0
ST-244	10-7	O/W Separator	34.0
ST-245	10-7	Holding Tank	34.0
ST-246	10-7	O/W Separator and Holding Tank	35.0
ST-247	10-7	O/W Separator	36.0
ST-248	10-7	O/W Separator	37.0

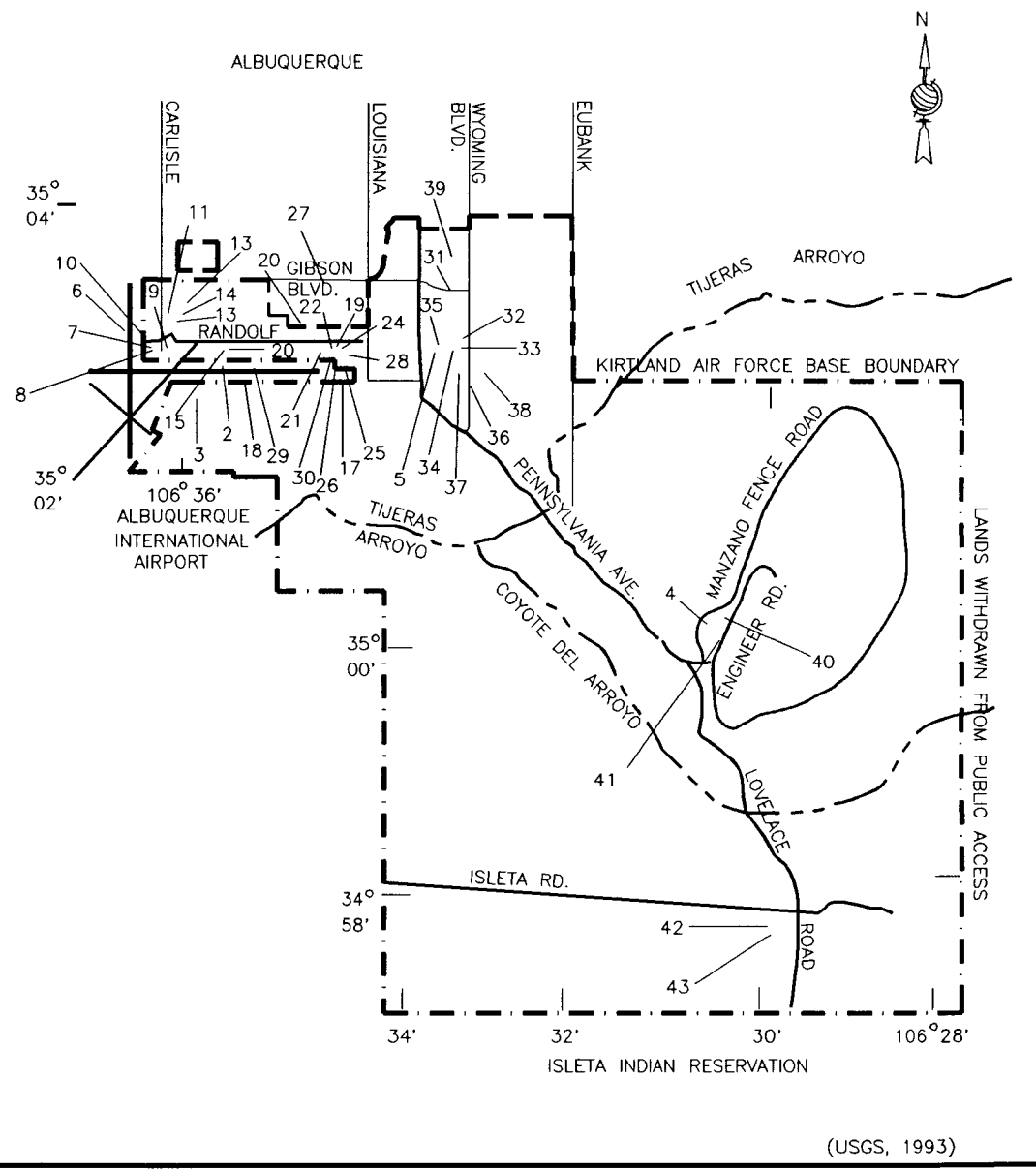
Table 1-1. Kirtland Air Force Base Stage 2B, Appendix II RFI Sites (continued)

Site	SWMU No.	Description	Text Section
ST-249 (also listed as ST-200 under Stage 2C)	10-3	Used Oil Underground Storage Tank	37.0
ST-250	8-28	O/W Separator	38.0
ST-251	8-29	O/W Separator	39.0
ST-252	8-31	O/W Separator	40.0
ST-253	8-31	O/W Separator	40.0
ST-254	10-7	O/W Separator	41.0
ST-259	10-7	Area Drain	42.0
ST-260	10-7	O/W Separator	42.0
ST-261	8-47	O/W Separator	43.0
ST-262	10-7	O/W Separator	44.0
ST-263	10-7	O/W Separator	45.0
ST-264	10-7	O/W Separator	46.0
ST-265	10-7	O/W Separator	47.0
ST-266	10-7	Area Drain	48.0
ST-267	10-7	O/W Separator	49.0

EXPLANATION
STAGE 2B INVESTIGATION SITES

MAP LOCATION	KAFB ID
2	WP-47
	ST-270
3	ST-271
	ST-272
4	FT-14
	ST-326
	ST-255
5	ST-256
	ST-257
	ST-258
6	ST-201
	ST-202
	ST-203
7	ST-204
	ST-205
8	ST-206
	ST-207
	ST-208
	ST-209
9	ST-210
10	ST-211
	ST-212
	ST-213
11	ST-214
	ST-215
	ST-216
12	ST-217
13	ST-218
14	ST-219
15	ST-220
16	ST-221
17	ST-222
	ST-223
	ST-224
	ST-225
18	ST-226
	ST-227

MAP LOCATION	KAFB ID
19	ST-228
20	ST-229
21	ST-230
	ST-231
	ST-232
22	ST-233
23	ST-234
	ST-235
	ST-236
	ST-237
24	ST-234
	ST-235
	ST-236
	ST-237
25	ST-238
	ST-239
	ST-240
26	ST-241
27	ST-242
	ST-243
28	ST-244
	ST-245
29	ST-246
30	ST-247
	ST-248
31	ST-249
32	ST-250
33	ST-251
34	ST-252
	ST-253
35	ST-254
36	ST-259
	ST-260
37	ST-261
38	ST-262
39	ST-263
40	ST-264
41	ST-265
42	ST-266
43	ST-267



0 1 2
SCALE IN MILES (APPROXIMATE)

LOCATION OF IRP STAGE 2B INVESTIGATION SITES

FIGURE 1-3

RCRA FACILITY INVESTIGATION
STAGE 2B
KIRTLAND AIR FORCE BASE, NEW MEXICO

- ***Section 2.0—Environmental Setting***. This section focuses on environmental data and information that is common to the sites throughout the Base. It includes information on climate, topography, geology, hydrogeology, soil, and surface water.

- ***Section 3.0—Investigation Procedures***. The field, laboratory, and risk assessment procedures used during this investigation are described in this section.

- ***Section 4.0—Facility-Wide Results Summary***. This section presents an overview of the contaminants detected, their physical properties, and methodology for determining background metal concentrations.

- ***Sections 5.0 through 49.0—Site Descriptions***. These sections present information that is specific to each site. Each section contains a study area description, details on the investigation conducted at the site, and site-specific geologic and hydrogeologic characteristics. In addition, each section presents the analytical results for the samples collected and the nature and extent of any contamination as defined by those samples. A CERCLA-type baseline risk assessment is included for sites where contamination was detected at or above human health-based risk action levels established in 55 FR 30798, July 27, 1990, as modified by more currently published information obtained from EPA integrated risk information system (IRIS online data base) of 1994. Finally, each section contains a summary and conclusions subsection that, based on analytical results, either outlines any further data needs and makes recommendations for future action or proposes that a no further action decision document be prepared at each site.

- ***Appendices.*** Appendix information is as follows:
  - — References and Glossary
  - — USAF Statement of Work
  - — Soil Borehole Logs
  - — Field Data
  - — Surveying Data
  - — Chain-of-Custody Forms
  - — Analytical Data
  - — Risk Calculations
  - — Correspondence with Federal, State, and Local Government Agencies
  - — Data from Previous Investigations
  - — Data Validation Summary

— Biographies of Key Personnel

— QA/QC for Production of Documents

1.4 Previous Investigations

Formal environmental investigative work has been performed at Kirtland AFB over the past 10 years. This work has been performed under the IRP as part of the approval process for the Base's RCRA Part B permit, issued in 1990. Table 1-2 and the following text describe these studies.

Table 1-2. IRP Environmental Investigations Performed at Kirtland AFB

Study	Organization	Date
Phase I—Records Search	Engineering Science, Inc.	1981
Phase II—Stage 1	SAIC	1985
Phase II—Stage 2	USGS	1988-1993
RCRA PR/VSI	USEPA	1988
RCRA Phase II—Stage 2A	USGS	1990-1993 (draft report to USEPA)
RCRA Phase II—Stage 2B	USGS & Halliburton NUS	1993 - 1994 (draft report to USEPA in December 1994)
RCRA Phase II—Stage 2C	Halliburton NUS	In progress (draft report to USEPA in October 1995)

- ***Phase I.*** IRP investigations at Kirtland AFB began with the Phase I—Records Search Report (Engineering Science, Inc., 1981). This report consisted of a search of pertinent installation records, a literature search of published and unpublished reports, discussions with key installation personnel (both active and retired), an examination of topographic and geologic maps, an examination of aerial photographs and site visits, and an assessment of the hazard potential of each waste disposal site identified. Phase I identified 25 disposal sites on Kirtland AFB lands as potential contamination sources; these sites were prioritized for a Phase II evaluation.

- ***Phase II, Stage 1.*** This phase consisted of acquisition and analysis of preliminary site-specific environmental data to identify the environmental status of seven sites and propose remedial actions where applicable (SAIC, 1985).

- ***Phase II, Stage 2.*** Ten sites were studied by the United States Geological Survey (USGS), New Mexico District, in Phase II, Stage 2, beginning in 1988. Based upon earlier studies and sampling done by the NMED, these 10 sites were selected because potential contaminants were stored, discharged, or applied at the sites. The final report on this Stage was issued in December 1993.

- ***RCRA PR/VSI.*** In April 1988, USEPA Region 6 performed a Preliminary Review/Visual Site Inspection (PR/VSI) (Kearney/Centaur, 1988) under RCRA as part of the process for approving the RCRA Hazardous Waste Management Part B Permit Application for Kirtland AFB. Appendices I, II, and III of the RCRA Corrective Action Compliance Schedule identified numerous SWMUs requiring further investigation and characterization.

- ***RCRA Phase II, Stage 2A.*** After the PR/VSI, the Kirtland AFB IRP began site characterization studies following RCRA guidance. Kirtland AFB began addressing the SWMUs generally as distributed in the USEPA Appendix I, II, and III site list. Twenty-one of the SWMUs listed in Appendix I and Appendix II were investigated in Stage 2A. The 21 sites, which included 9 of the first 10 sites already under investigation, were selected because they had the greatest potential for soil and groundwater contamination from past disposal and landfill activities. The results of the Phase II, Stage 2A investigation were presented in an RFI Report, issued in draft form to USEPA in December 1993.

- ***RCRA Phase II, Stage 2B.*** This current study is described in Section 1.5.

- ***RCRA Phase II, Stage 2C.*** This addresses 134 sites, including 120 waste line sites and 14 sites designated as non-waste line sites. The sites are identified as SWMUs in Appendix III of the RCRA Corrective Action Compliance Schedule. The 120 waste line sites consist of the inflow/outflow lines of units investigated during the 2B investigation (oil/water separators, area drains, holding tanks, USTs, and sewage ejector units); the sanitary sewers; the storm sewers; and the septic systems (septic tanks, leach fields, and associated lines). The 14 non-waste line sites include a treated sewage effluent line, a jet engine burn area, a waste oil tank, three battery storage areas, two waste accumulation areas, a paint shop and sink drain, a jet engine test cell, a vehicle maintenance yard, a drum rack, a contractor storage yard, and a condensate holding tank. Phase II, Stage 2C is still in progress. The draft report for this stage is due to the USEPA in October 1995.

1.5 Description of Current Study

The Phase II, Stage 2B investigation addresses 73 sites, which include a fire training area; a laser lab water disposal site; and numerous oil/water separators, area drains, holding tanks, underground storage tanks (USTs), and sewage ejector units. These sites are identified as SWMUs in Appendix II of the RCRA Corrective Action Compliance Schedule. A work plan prepared for the Stage 2B sites was finalized in January 1992. At six of the Stage 2B sites, field work was implemented by the USGS. The remaining 68 Phase II, Stage 2B sites were investigated by Halliburton NUS. Kirtland AFB described the Scope of Work and the investigation was performed in accordance with the USAF 1991 IRP Handbook and 1994 Scope of Work.

1.5.1 Project Objectives

The overall goal of the environmental investigative work at Kirtland AFB is to adequately characterize any environmental contamination to determine all of the following:

- Whether further investigation activities are needed
- Whether a No Further Response Action Planned (NFRAP) designation is appropriate for any of the sites
- The nature and extent of contamination, if present, as necessary to develop and design corrective measures

1.5.2 Investigative Process

This investigative process requires data collection and the development or refinement of a conceptual model for each site. A conceptual model consists of the following:

- Identification of any contaminants present and concentrations
- Source characterization including location, source volume or quantity, and concentrations of hazardous constituents at the source
- Identification of potential migration pathways
- Identification of potential receptors

The degree of refinement necessary for a conceptual model at a site will depend in part on the type and extent of contamination identified. The RFI collected data to gain an understanding of the nature and extent of potential contamination at the sites.

1.5.3 Scoping Documents

The following project scoping documents were used to implement the Stage 2B RFI at Kirtland AFB:

- IRP Stage 2B Work Plan (USGS, December 1993)
- IRP Stage 2B Sampling and Analysis Plan (USGS, December 1992)
- IRP Stage 2B Health and Safety Plan (USGS, December 1992)

Together these documents describe the scope of the RFI and address the requirements in Module IV of the Kirtland AFB RCRA Part B Permit.

1.5.4 Identity of Subcontractors and Their Roles

Specific subcontractors were required to assist with the implementation of the RFI activities. The following subcontractors were retained under subcontract to Halliburton NUS during the investigation:

- ***Drilling companies***. USGS, Geologic Division (Denver, Colorado), performed drilling at the six sites investigated by the USGS. Environmental West Exploration, Inc. (Spokane, Washington), performed deep hollow-stem auger drilling during the Halliburton NUS investigation. Where necessary, Associated Concrete Cutting, Inc. (Albuquerque, New Mexico), performed concrete coring to allow advancement of Geoprobe, hand auger, and hollow-stem auger borings.
- ***Surveyor***. Albuquerque Surveying Co., Inc. (Albuquerque, New Mexico) served as the New Mexico licensed land surveyor to determine the vertical and horizontal coordinates of soil borings.
- ***Analytical laboratory***. Rocky Mountain Analytical Laboratory (RMAL), a division of Enseco, Inc. (Arvada, Colorado), performed the laboratory analyses for the six sites investigated by the USGS. Halliburton NUS Laboratory (Pittsburgh, Pennsylvania), RMAL, and Ceimic Corporation (Narragansett, Rhode Island) performed laboratory analyses during the Halliburton NUS investigation.

2.0 Environmental Setting

This section contains general information that is common to all of the sites under investigation. On the basis of geology, surface soil, depth to groundwater, land slope, biology and density of habitation or work areas, 68 of the 2B sites fall into the "urban/industrial" environmental zone as defined in Section 2.1.9 of the IRP Stage 2B Work Plan (USGS, 1993). The five remaining 2B sites (ST-264, ST-265, ST-266, ST-267, and FT-14) have different environmental features which are described in Sections 46.0, 47.0, 48.0, 49.0, 7.0, respectively.

2.1 Climate

The climate of Kirtland AFB and vicinity is typical of a high desert plateau, having low precipitation, wide temperature extremes, and, typically, clear sunny days. It is classified as Arid Continental. The mean annual precipitation ranges from 8.8 in. at Albuquerque International Airport, at the western edge of the Base, to nearly 20 in. at about an 8,000-ft elevation in the Manzanita Mountains near the southeastern edge of the Base [National Oceanic and Atmospheric Administration (NOAA), 1992]. The average monthly precipitation in the Albuquerque area ranges from less than 0.5 in. during the winter to more than 1.5 in. during the summer. Typically, the summer months receive almost half of the annual moisture in the form of brief, but locally heavy, precipitation during thunderstorms. Prolonged periods of continuous precipitation are rare. Average annual snowfall for Albuquerque is 14.7 in. (NOAA, 1990). Snow rarely accumulates or remains longer than 24 hr in the non-mountainous areas. In mountainous areas, snow cover is common from late fall to early spring.

The annual mean maximum temperature at Kirtland AFB is 69° F. The annual mean minimum temperature is 44° F. The highest mean maximum temperature is 91° F in July and the lowest mean minimum temperature is 24° F in January.

The prevailing wind direction from May through October is south to southeast and the mean wind speed is about 8 knots. From November through April, the prevailing wind direction is north to north-northwest and the mean wind speed is about 7 knots.

Potential evapotranspiration (evaporation occurring when no soil-water deficit exists) for the Albuquerque area is 30.9 in. per year. Actual evapotranspiration has been determined to be about 95 percent of precipitation in this climatic regime, and the remaining 5 percent is divided equally between runoff and recharge [US Army Corps of Engineers (USACE) et al., 1979].

2.2 Topography

Kirtland AFB is located within the Rio Grande Valley of the Mexican Highland Subdivision of the Basin and Range physiographic province. The Rio Grande Valley is a depressed linear rift feature extending from the headwaters of the Rio Grande in the central Rocky Mountains in southern Colorado, through New Mexico and Texas to the western edge of the Gulf of Mexico. Kirtland AFB is located on a high semiarid piedmont alluvial plain and mesa, and adjacent foothills, about 5 mi east of the Rio Grande. The alluvial plain is cut by the east-west trending Tijeras Arroyo, which drains into the Rio Grande. Most of the base is relatively flat, sloping gently westward toward the Rio Grande. However, the eastern, USFS withdrawn, portion of Kirtland AFB extends into the Manzanita Mountains. The western slope of the Manzanita Mountains is precipitous, rough, and has numerous canyons and arroyos. Elevations range from 5,170 ft above mean sea level (amsl) where Tijeras Arroyo crosses the western boundary of the Base to 7,988 ft amsl at the Manzano Lookout Tower in the Manzanita Mountains. The mean elevation of Kirtland AFB is 5,348 ft (SNL, 1994).

2.3 Surface Water Hydrology

The Albuquerque area is drained by a single perennial river, the Rio Grande, which is about 5 mi west of the Base. Drainage from land elevated areas paralleling the river valley occurs by overland flow to arroyos and then to off-base flood canals and drains (manmade drainage canals or other similar features), or by infiltration into surface soils. Water reaching canals or drains is directed to the Rio Grande. Flooding is not a typical problem in the Kirtland area, although localized flooding may occur for brief periods where drainage flows exceed the capacity of arroyos and drains. This occurs almost exclusively during the summer thunderstorm season (July through September). Primary surface water drainage through Kirtland AFB occurs in Tijeras Arroyo, Arroyo del Coyote, and an unnamed drainage channel south of Arroyo del Coyote.

Tijeras Arroyo drains an area of about 150 mi^2 bounded on the north by the Sandia Mountains and on the south by the Manzanita Mountains. The Arroyo del Coyote drains an area of about 30 mi^2 on the west face of the Manzanita Mountains. Discharges to the arroyos are generally intermittent; water flowing in the arroyos typically evaporates or infiltrates over short distances. In flat-lying areas, overland sheet flow toward the arroyos can develop during intense rainfall. Because of the arid environment, the typically short duration of storms, and the permeable nature of surface soils, most of this flow tends to infiltrate before reaching the arroyos (Kearney, 1986 and 1987).

The USACE has determined that the locations of the 100-year and 500-year flood plains at Kirtland AFB are confined to areas immediately adjacent to the Tijeras Arroyo and Arroyo del Coyote (USACE, 1979). None of the 2B RFI sites are located in either of the flood plains.

2.4 Geology and Soils

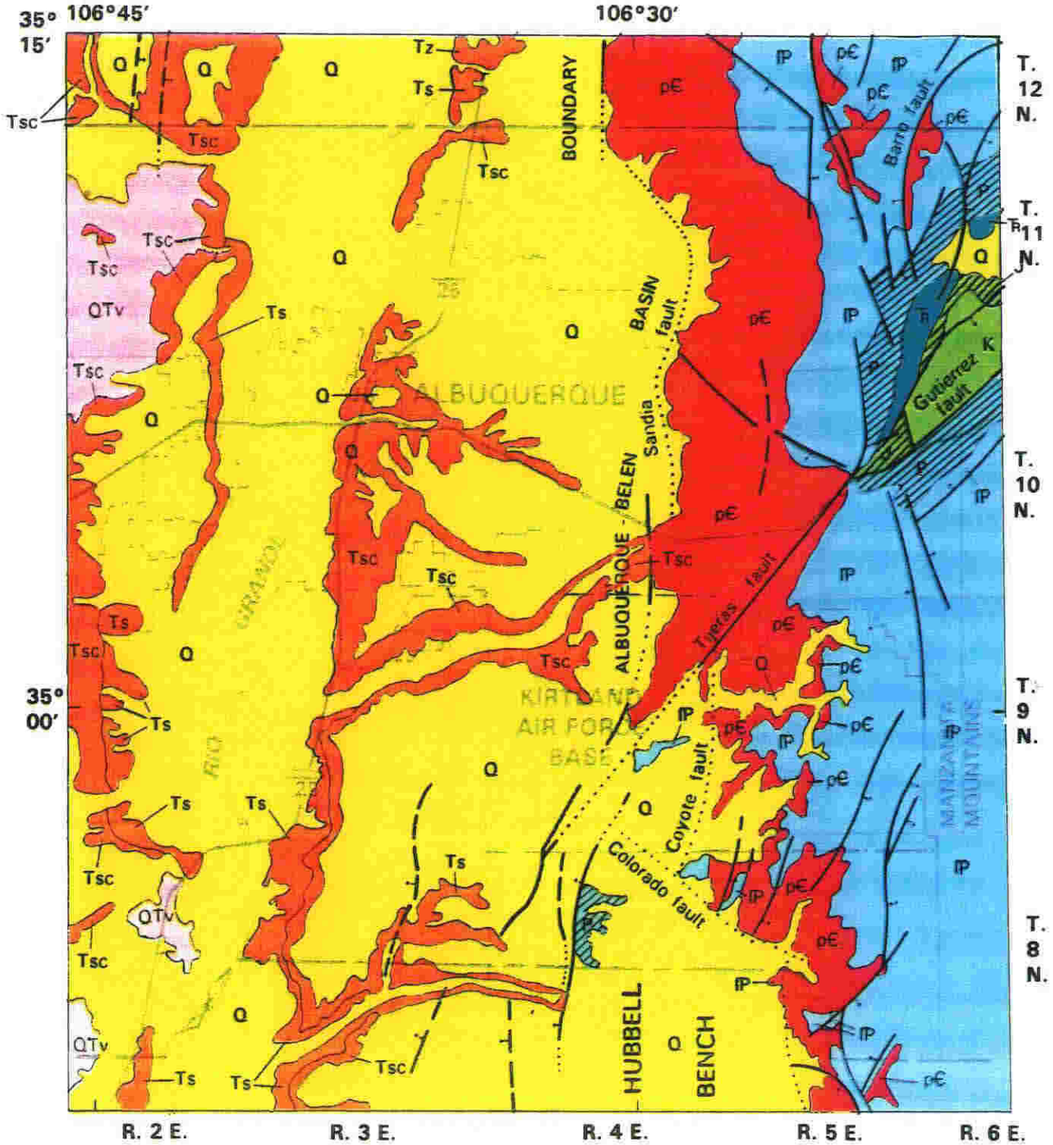
2.4.1 Geologic Setting

The geology of the Kirtland AFB area is complex and varied. The western portion of the base lies within the Albuquerque-Belen Basin. A bedrock geology map of Kirtland AFB and the surrounding area is shown in Figure 2-1. A generalized geologic section of the Albuquerque-Belen Basin and adjacent areas is shown in Figure 2-2. The eastern portion of the base is mountainous with elevations reaching more than 7,900 ft amsl within the Manzanita Mountains. These mountains are composed primarily of Precambrian crystalline rock and Paleozoic marine carbonic rock.

The Albuquerque-Belen structural basin contains the through-flowing Rio Grande (the basin is approximately 90 mi long and 30 mi wide). The basin is bounded by the Nacimiento uplift to the north; the Sandia, Manzanita, and Manzano-Los Piños uplifts to the east; the Socorro basin to the south; and the Lucero uplift and Puerco plateau to the west (Figure 2-3).

The Albuquerque-Belen Basin lies within a series of grabens and structural basins called the Rio Grande Rift. The Rio Grande Rift has a general north-south alignment and is bordered on the east and west by up-faulted blocks (Figure 2-4). The basin consists of a northern, eastward-tilted halfgraben and a southern, westward-tilted half-graben. The Tijeras fault, which crosses Kirtland AFB, may be the transition zone between the two half-grabens (Lozinski, 1988). Igneous, metamorphic, and sedimentary rocks exposed in the Albuquerque area range in age from Precambrian to Holocene. Rocks older than Tertiary are exposed in the Sandia and Manzanita-Manzano Mountains to the east and in the Rio Puerco Valley west of the Rio Grande.

The deposits within the Albuquerque-Belen Basin consist of interbedded gravel, sand, silt, and clay, the bulk of which are referred to as the Santa Fe Group. These sediments were deposited during the Late Tertiary and Quaternary as alluvial-fan, playa, and fluvial deposits that filled the subsiding basin. The thickness of basin-fill deposits in most of the basin is greater than 3,000 ft, although the thickness varies considerably because of faulting in the basin. In most areas, it is not possible to correlate lithologies between wells because of the lenticularity of the units and offsets that occurred during and after deposition (Anderholm, 1987).



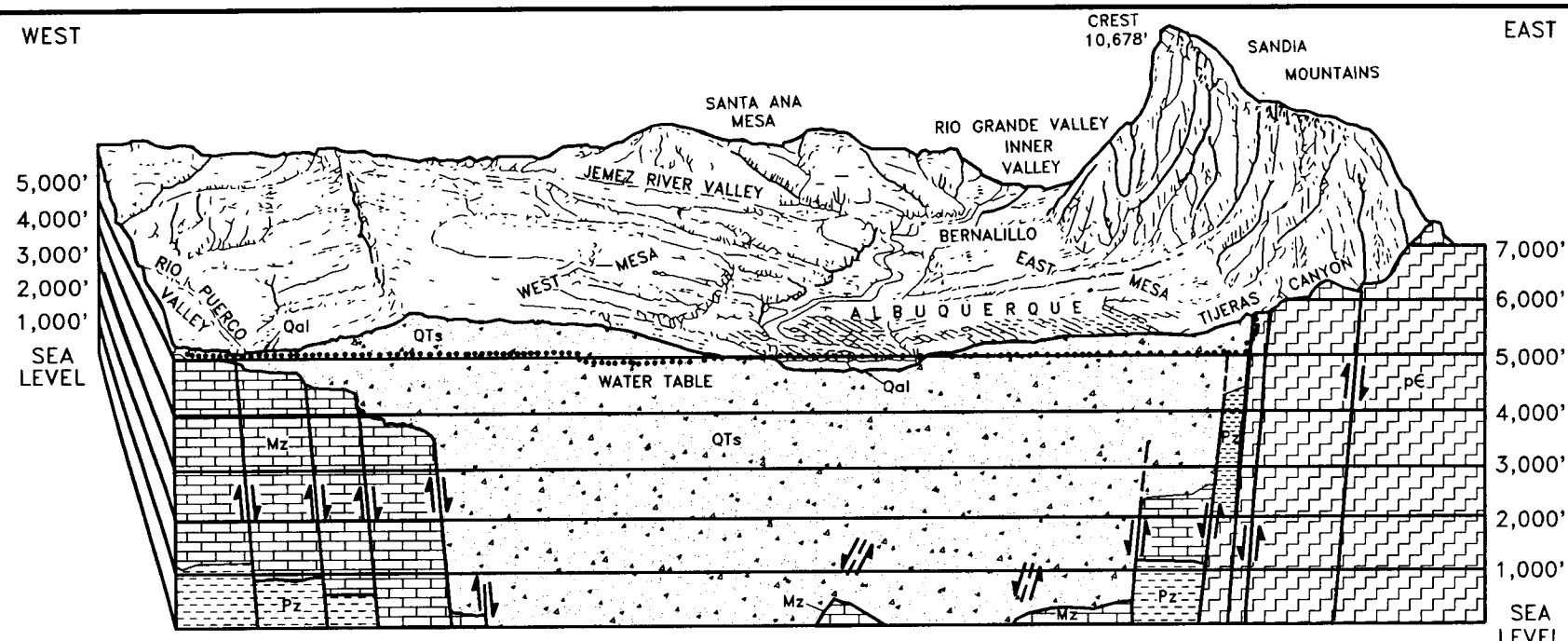
Modified from Kelley, 1977.

0 1 2 3 4 5 MILES
0 1 2 3 4 5 KILOMETERS

EXPLANATION

- Q — QUATERNARY AND HOLOCENE DEPOSITS--Includes alluvium, landslide deposits, eolian deposits, caliche, and gravel pediments
- QTv — QUATERNARY AND TERTIARY VOLCANIC ROCKS
- Ts / Tsc / Tz — TERTIARY SANTA FE GROUP OF KELLEY, 1977--Ts, undivided: sandstone, mudstone, claystone, conglomerate, and fanglomerate. Tsc, Ceja Member of Kelley (1977), sandstone, and conglomerate. Tz, Zia Member of Kelley (1977), sandstone, mudstone, and conglomerate
- K — CRETACEOUS, UNDIVIDED--Includes Mesaverde Formation, Mancos Shale, and Dakota Sandstone
- JURASSIC, UNDIVIDED--Includes Morrison Formation, Bluff Sandstone, Summerville and Todilto Formations, and Entrada Sandstone
- Tr — TRIASSIC, UNDIVIDED--Includes Chinle Formation and Santa Rosa Sandstone
- PERMIAN ROCKS, UNDIVIDED--Includes San Andres Formation, Glorieta Sandstone, and Yeso and Abo Formations
- P — PENNSYLVANIAN ROCKS, UNDIVIDED--Includes Madera and Sandia Formations, thin Mississippian rocks locally at base
- pE — PRECAMBRIAN ROCKS
- CONTACT
- FAULT--Bar and ball on downthrown side. Dashed where approximately located; dotted where concealed

Figure 2-1. Bedrock Geology of Kirtland Air Force Base and Vicinity



EXPLANATION

QUATERNARY

Qal

ALLUVIUM
MOSTLY UNCONSOLIDATED GRAVEL, SAND, SILT, AND CLAY. YIELDS LARGE QUANTITIES OF WATER TO WELLS.

QUATERNARY AND TERTIARY

QTs

SANTE FE GROUP
MOSTLY CONSOLIDATED TO LOOSELY CONSOLIDATED GRAVEL, SAND, SILT, AND CLAY, WITH SOME INTERBEDDED VOLCANIC ROCKS. INCLUDES BAJADA DEPOSITS OF HOLOCENE AGE. YIELDS LARGE QUANTITIES OF WATER TO WELLS.

MESOZOIC

Mz

SEDIMENTARY ROCKS, UNDIVIDED
MOSTLY LIMESTONE, SANDSTONE, AND SHALE. YIELDS SMALL QUANTITIES OF WATER TO WELLS.

PALEOZOIC

Pz

SEDIMENTARY ROCKS, UNDIVIDED
MOSTLY SHALE AND SANDSTONE. YIELDS SMALL QUANTITIES OF WATER TO WELLS.

PRECAMBRIAN

pE

GRANITIC AND METAMORPHIC ROCKS, UNDIVIDED
YIELDS SMALL QUANTITIES OF WATER TO WELLS.

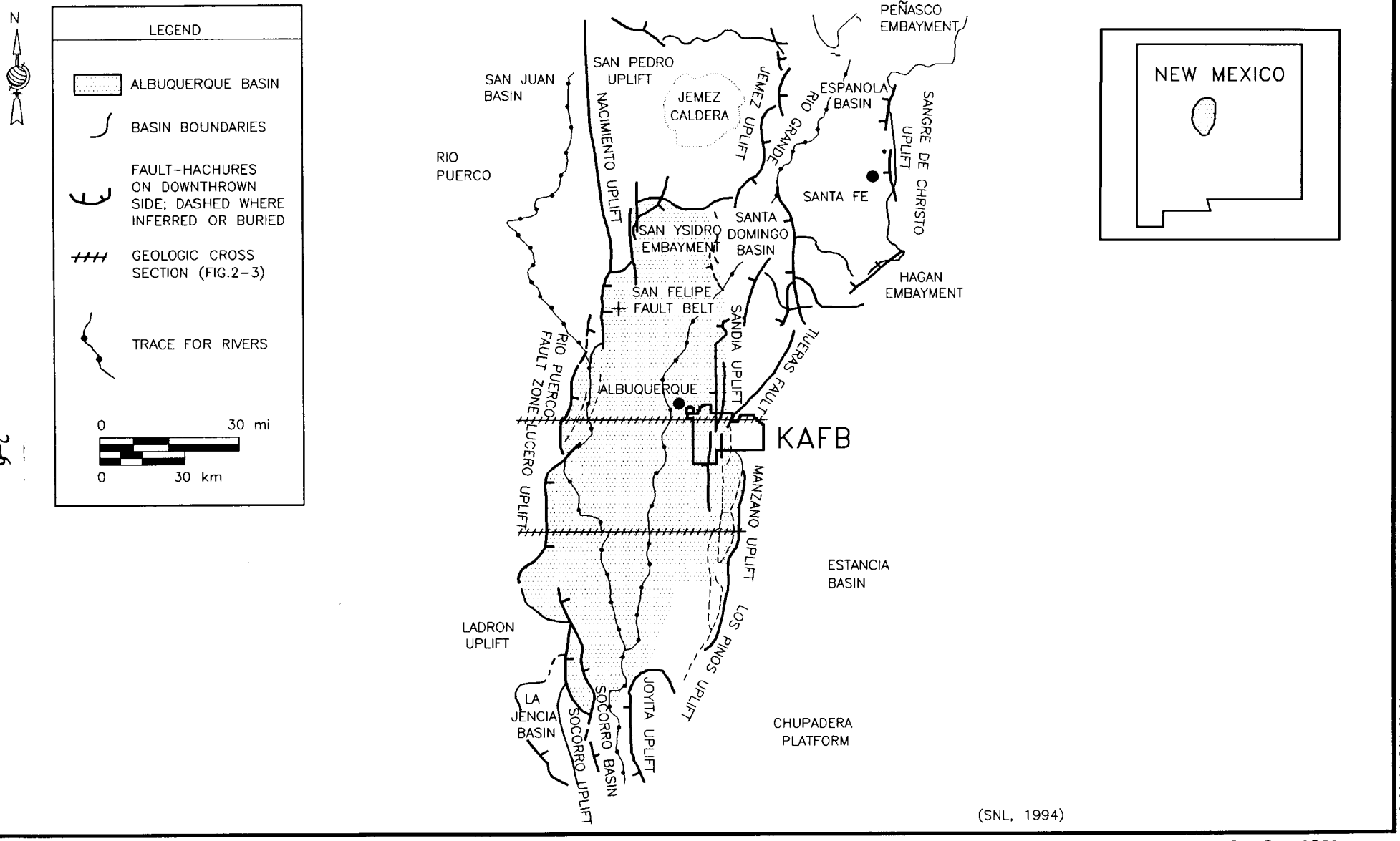
(MODIFIED FROM BJORKLAND MAXWELL, 1961, FIG. 3)

MAP-1.DWG/LKB/11-29-94

GENERALIZED GEOLOGIC SECTION IN THE AREA OF KIRTLAND AIR FORCE BASE, NEW MEXICO

FIGURE 2-2

RCRA FACILITY INVESTIGATION
STAGE 2B
KIRTLAND AIR FORCE BASE, NEW MEXICO



(SNL, 1994)

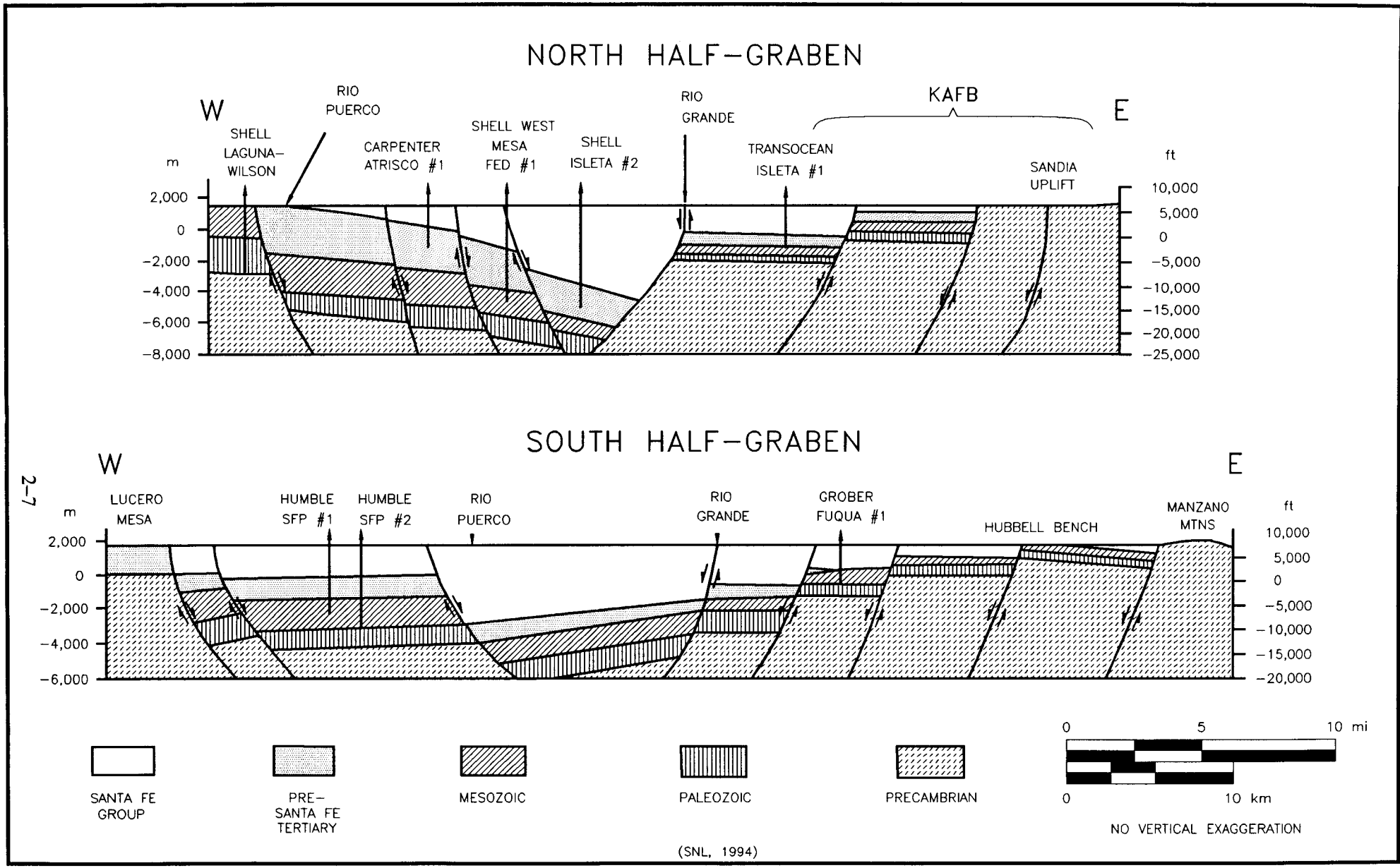
MAP-3.DWG/KB/11-29-94

2-6

REGIONAL TECTONIC SETTING OF THE ALBUQUERQUE BASIN NORTH-CENTRAL NEW MEXICO

FIGURE 2-3

RCRA FACILITY INVESTIGATION STAGE 2B KIRTLAND AIR FORCE BASE, NEW MEXICO



2-7

(SNL, 1994)

DIAGRAMMATIC GEOLOGIC CROSS SECTIONS OF THE CENTRAL ALBUQUERQUE BASIN, NORTH AND SOUTH OF TIJERAS FAULT ZONE AS LOCATED ON FIGURE 2-3

FIGURE 2-4

RCRA FACILITY INVESTIGATION
STAGE 2B
KIRTLAND AIR FORCE BASE, NEW MEXICO

The Santa Fe Group is comprised of beds of unconsolidated to loosely consolidated sediments and interbedded volcanic rocks. The materials range in size from boulders to clay. Well-sorted stream channel deposits to poorly-sorted slopewash deposits are found. The thickness of the Santa Fe Group beneath Kirtland AFB ranges from less than 100 ft to greater than 6,500 ft on the basis of gravity data (Kernodle and Scott, 1986). Coalescing alluvial fans of materials eroded from the surrounding mountains were deposited on the Santa Fe Group. The alluvial fans extend westward from the base of the Sandia and Manzanita Mountains to the eastern edge of the Rio Grande floor. The fan sediments, which range from poorly-sorted mud flow material to well-sorted stream gravel, consist of channel fill and interchannel deposits. The fan deposits thicken going eastward toward the mountains and range from 0 to 200 ft in thickness (Cardenas and Associates, 1985).

2.4.2 Soils

Information regarding surface soils is derived from the IRP Stage 2B Work Plan (USGS, 1993). Surface soils, described by Hacker (1977), generally include the first 5 ft of unconsolidated material below ground surface. The following, a description of surface soils, is not applicable to the deeper part of the vadose zone (alluvium and Santa Fe Group) through which potential contaminants could migrate toward the water table. Most soils on the western part of Kirtland AFB are loamy sand. "Loam" denotes a mixture of clay (7 to 27 percent), silt (28 to 50 percent), and sand (less than 52 percent). Soils tend to be finer grained on gentler slopes than on steeper slopes. On the hills near Tijeras Arroyo, soils tend to be more stony or gravely than on the more level land. Soils in the mountains, where slopes are the steepest, tend to be stony, gravely, and shallow, with some bedrock outcroppings.

Mapped soil units at Kirtland AFB are shown in Figure 2-5. Although soils are described by "series," soils are highly variable in the field, and mapping units generally include areas that have more than one soil series.

2.5 Hydrogeology

2.5.1 Groundwater Occurrence and Movement

Three potential groundwater aquifers are present at Kirtland AFB: fractured bedrock, shallow alluvial deposits, and unconsolidated and semiconsolidated sedimentary deposits of the Santa Fe Group. Wells east of Kirtland AFB typically penetrate fractured or naturally permeable rocks for water. Along the Rio Grande flood plain, the shallow alluvial deposits are used as a source of potable water.

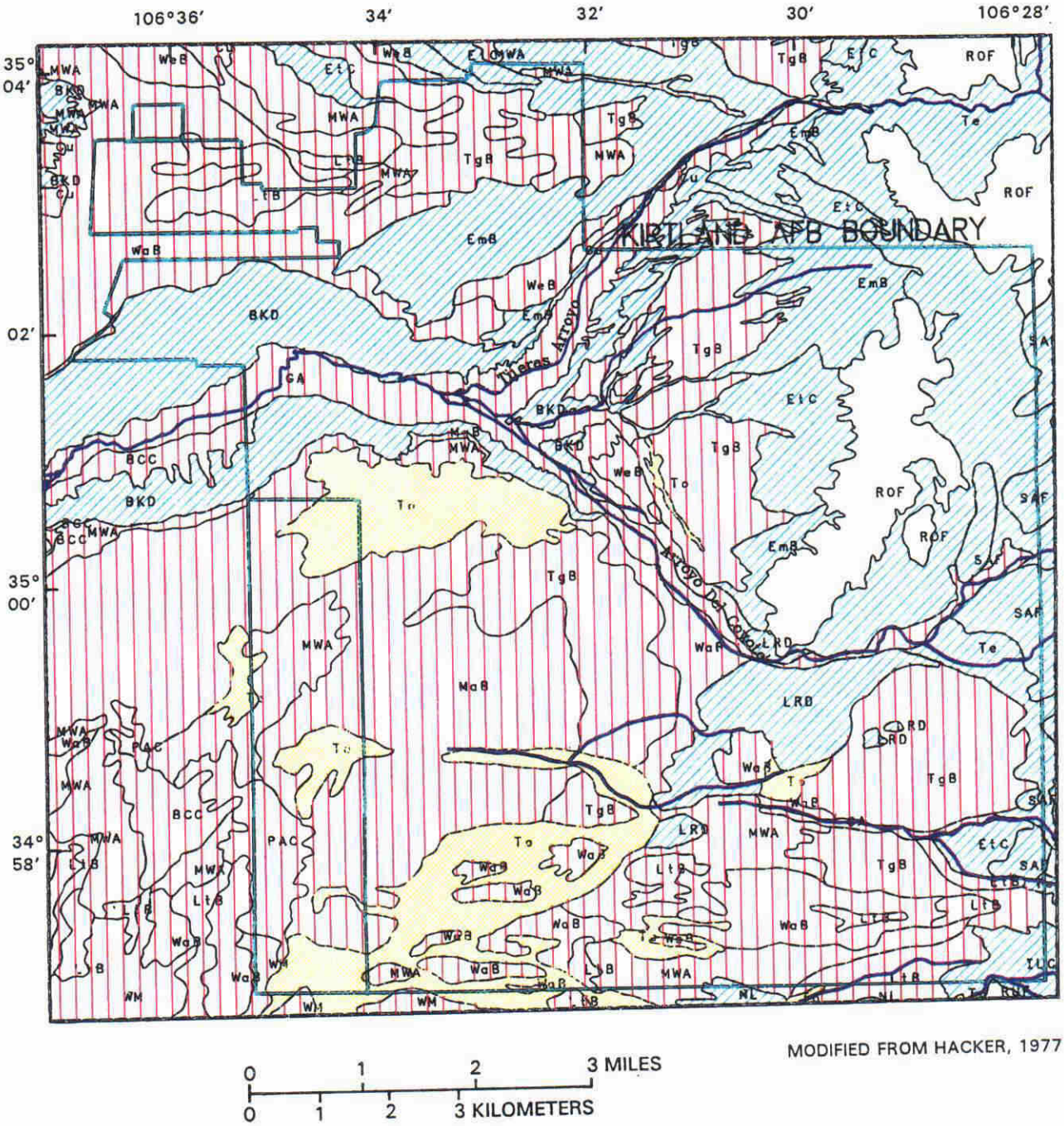


Figure 2-5. Soils of Kirtland Air Force Base

The stratigraphy of the basin fill is divided into the Lower, Middle, and Upper Santa Fe Group (SNL, 1994). The major fresh water aquifer(s) in the basin, supplying the City of Albuquerque and Kirtland AFB, are located within the Upper Santa Fe Group and, to a limited extent, in the middle of the sequence. The majority of the RFI study sites overlie this aquifer. The sediments of the Upper Santa Fe Group attain local depths of 1,500 ft (USGS, 1993a).

The Santa Fe aquifer is recharged by groundwater underflow from adjacent areas; by infiltration of precipitation; seepage from streams, drains, canals, and surface reservoirs; and infiltration of applied irrigation water. Groundwater in the valley fill generally is under water table (unconfined) or semi-confined conditions.

The regional potentiometric surface in the Albuquerque-Belen Basin slopes northwest diagonally from the bases of the Sandia and Manzanita Mountains on the east toward a groundwater depression, or "trough" about 8 mi west of the Rio Grande. The water table beneath the Rio Grande slopes southwest at approximately the same gradient as the river. A localized groundwater depression has formed in the eastern part of Albuquerque north of Kirtland AFB as the result of pumping from city wells. Extensive pumping has produced a localized reversal of the regional groundwater gradients within Kirtland AFB. The depth to groundwater varies widely within the basin. The depth to water is less than 10 ft in many parts of the Rio Grande Valley. In areas east and west of the valley, the depth to groundwater commonly exceeds 300 ft; in some areas of the West Mesa, the depth to groundwater is almost 900 ft (Anderholm, 1987). Figure 2-6 shows the regional potentiometric surface. Figure 2-7 shows the water table elevations below Kirtland AFB.

The fault system that forms the eastern boundary of the Albuquerque-Belen Basin trisects the area occupied by Kirtland AFB (Figure 2-8). The north-south striking Sandia Fault enters the base from the north, almost colinearly the Hubbell Springs Fault extends to the south, and the Tijeras Fault cuts the base diagonally from the northeast. The fault complex divides the local groundwater system into three distinct hydrogeologic regions (Figure 2-9): the region west of the fault complex is identified as Hydrogeologic Region I (HR1); the region straddling the fault complex is identified as Hydrogeologic Region II (HR2); and the region east of the fault complex is identified as Hydrogeologic Region III (HR3). HR1 has been divided into two subareas: Subarea 1, in the northwest portion of the Base, and Subarea 2, is in the southwest portion of the Base. HR2 has been designated as Subarea 3 and is located in the central portion of the Base. HR3, designated as Subarea 4, is in the east-southeast portion of the Base (SNL, 1994).

The HR1 saturated zone setting is within the Upper Santa Fe Group sediments. Groundwater is generally assumed to be unconfined in the upper portion of the aquifer. Depth to groundwater in this

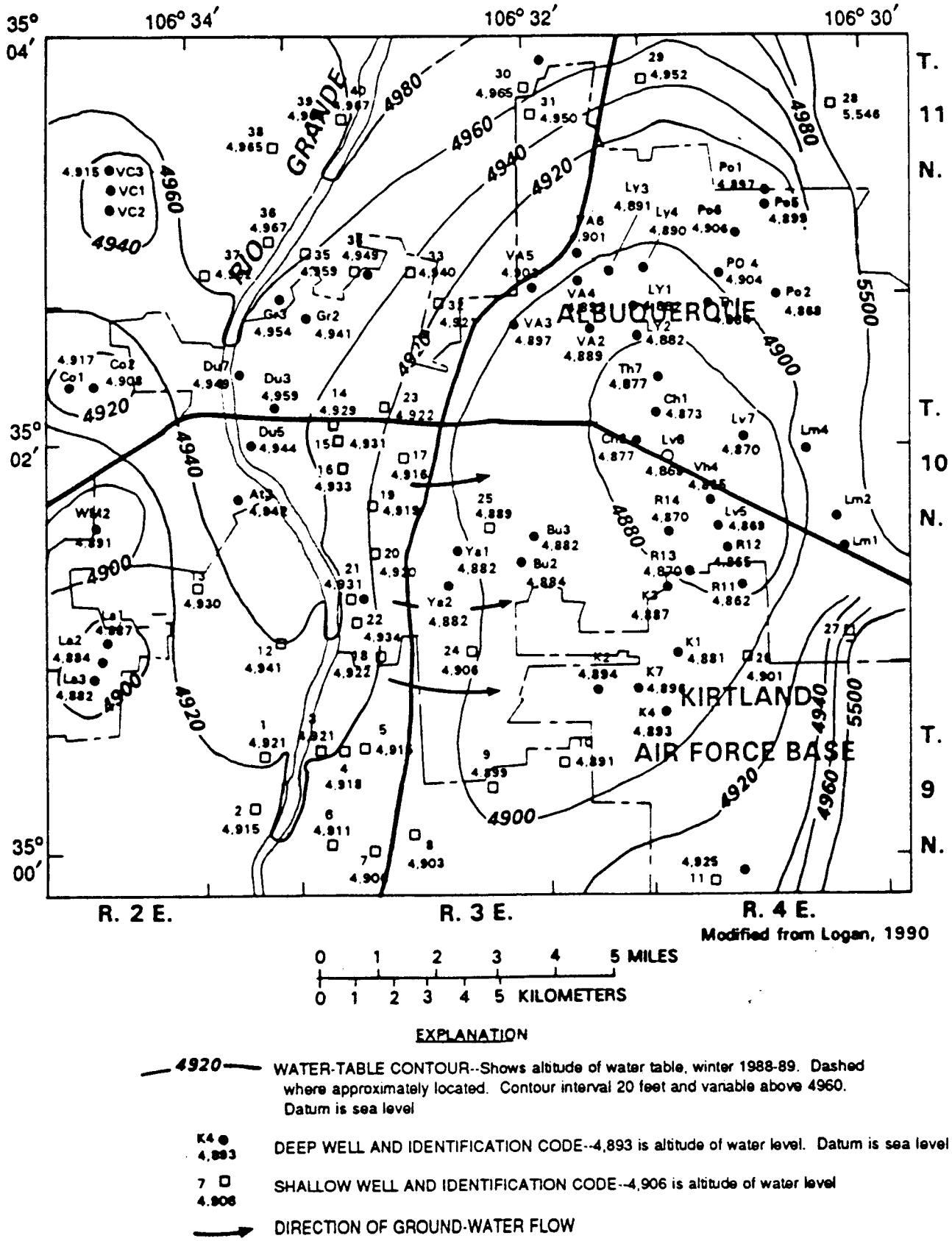
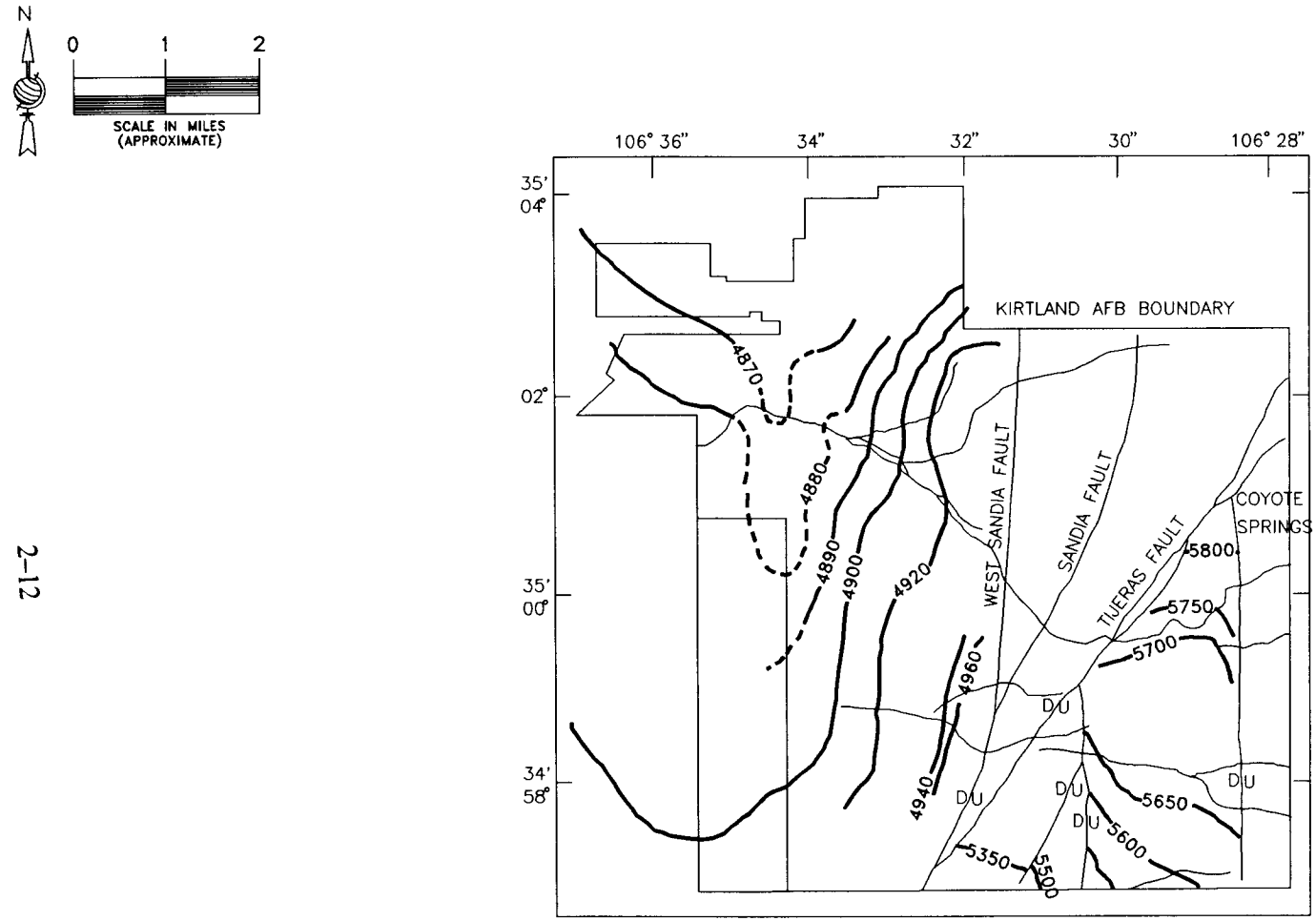


Figure 2-6. Regional Potentiometric Surface Map



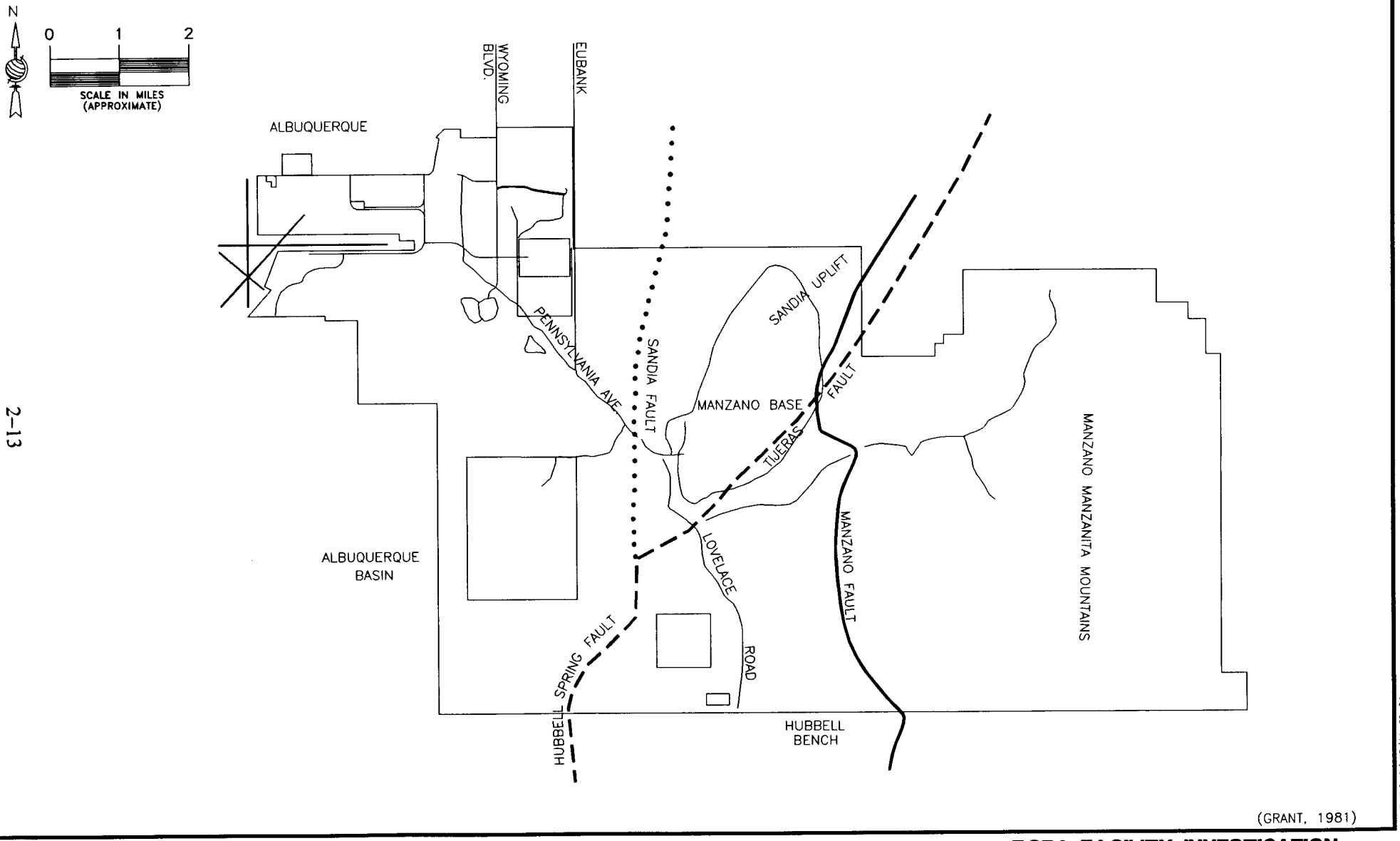
(USGS STAGE 2A RCRA FACILITY INVESTIGATION KIRTLAND AFB, NM USGS, 1993)

MAP-9.DWG/LKB/11-29-94

GENERALIZED WATER TABLE ELEVATIONS (SEPTEMBER 1992)

FIGURE 2-7

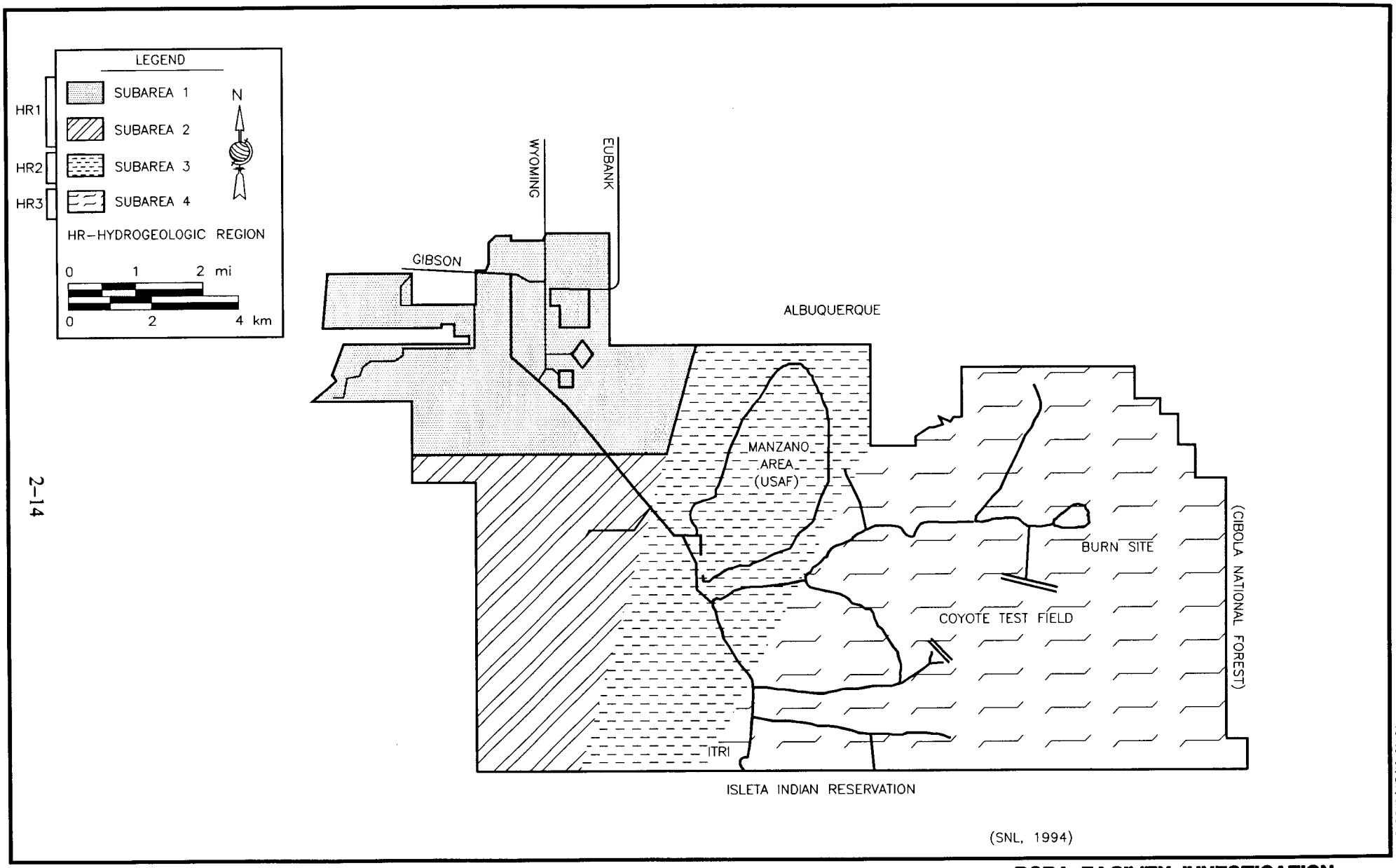
RCRA FACILITY INVESTIGATION
STAGE 2B
KIRTLAND AIR FORCE BASE, NEW MEXICO



GEOLOGIC FAULTS WITHIN KIRTLAND AIR FORCE BASE

FIGURE 2-8

RCRA FACILITY INVESTIGATION
STAGE 2B
KIRTLAND AIR FORCE BASE, NEW MEXICO



LOCATIONS OF HYDROGEOLOGIC ZONES

FIGURE 2-9

RCRA FACILITY INVESTIGATION
STAGE 2B
KIRTLAND AIR FORCE BASE, NEW MEXICO

subregion varies from approximately 490 ft below ground surface (bgs) near the southeastern edge of the subregion to approximately 350 ft bgs at the western edge (Figure 2-10). The elevation of the water level at this region ranges from approximately 4,935 ft amsl along the eastern boundary of the subregion to 4,880 ft amsl along the western edge. Over the approximate 5-mi distance that separates these points, the gradient is approximately 11 ft/mi, or 0.002 ft/ft. This determination of the water table gradient is based on readings from monitor wells installed by SNL that are completed o the local water table. Given the heterogeneity associated with aquifer sediments, flow directions within the aquifer may vary considerably at the local scale.

HR2 straddles the Tijeras/Hubbell Springs/Sandia Fault complex. The saturated zone hydrology is characterized by the juxtaposition of high- and low-permeability materials as a result of vertical offset due to faulting (Thorn et al., 1993). East of the fault zone, depth to groundwater is relatively shallow and static water level elevation is about 5,710 ft amsl (Figure 2-7). Immediately to the west of the inferred fault trace, depth to water is considerably greater, with water levels recorded at 485 ft bgs, corresponding to elevations of 4,935 ft amsl and 4,920 ft amsl, respectively. Very little is known about groundwater flow in this subregion.

The influence of the fault complex may suggest two distinct groundwater zones: one adjacent to the mountains and east of the fault zone with a southwest flow direction; the other located west of the faults with the predominant flow to the west. Recharge to the main basin aquifer would occur as overflow across the faults (SNL, 1994). The resolution of groundwater flow in the vicinity of the faults is essential to the issue of recharge to the basin groundwater system as well as local contaminant migration.

HR3, Subarea 4, is located in the eastern portion of the area occupied by Kirtland AFB. The bedrock stratigraphy is inferred from outcrops to the south. Along the piedmont slope, the bedrock is mantled by a thin veneer of alluvial material. Depth to groundwater is approximately 90 to 100 ft bgs as measured by monitor wells installed by the Inhalation Toxicology and Research Institute (ITRI) along the southern edge and in the central portion of this subregion. Near the foothills, groundwater probably occurs in shallow alluvial aquifers underlying the drainages emerging from the mountains and multiple confined bedrock aquifer systems. This model is particularly appropriate to the canyons that extend east of the mountains, as evidenced by numerous springs emerging from the mountain slopes. Most of these flow only seasonally, but Coyote Springs near the mouth of Coyote Canyon is a perennial spring. Several wells in the canyons and along the foothills produce water from fracture systems in the granite bedrock. Production is limited and water quality varies. Some of the water is not potable due to high concentrations of naturally occurring uranium associated with the granitic bedrock.

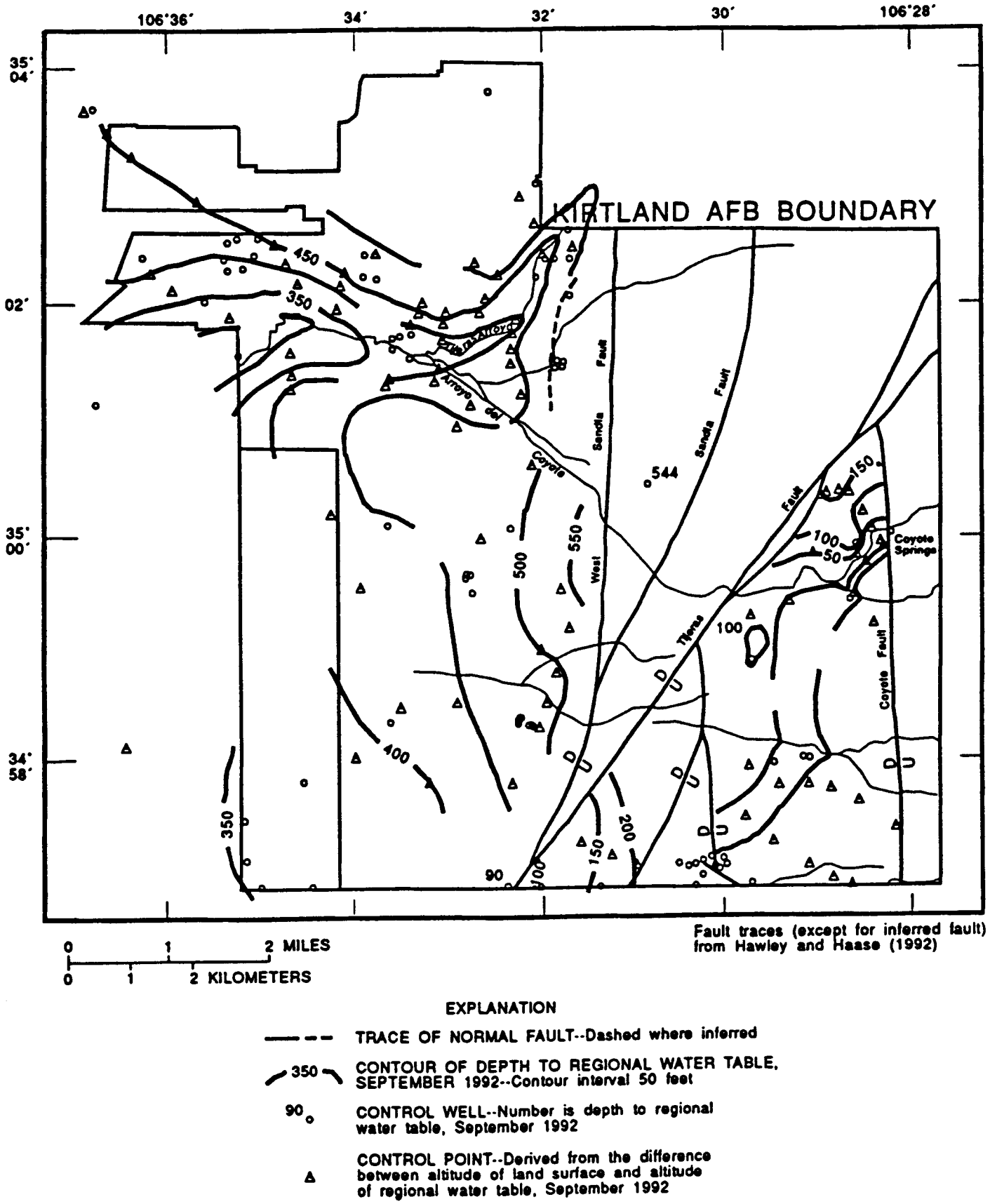


Figure 2-10. Generalized Depth to Groundwater for Kirtland Air Force Base, September 1992

2.5.2 Vadose Zone Hydrogeology

Information pertaining to the vadose zone hydrogeology was obtained from sitewide hydrogeologic characterization reports prepared by SNL during 1992 and 1993.

The vadose (or unsaturated) zone is the region located between the land surface and the groundwater system (the saturated zone). The vadose zone provides the link between surface water hydrology (processes associated with precipitation, snow melt, runoff, infiltration, overland flow, and evapotranspiration) and groundwater hydrogeology (processes associated with the flow and transport processes in aquifer systems) (Gee and Hillel, 1988).

The vadose zone is an important part of the hydrogeologic system in the Kirtland AFB area. The vadose zone thickness in this area is large, ranging from 50 ft to greater than 500 ft. Most contaminants released near the ground surface would have to travel a long distance before reaching the groundwater system. Dispersive effects in the vadose zone could act as a diluting influence on contaminant concentrations prior to the point when, or if, contaminants reach the water table.

The vadose zone generally consists of unconsolidated valley-fill deposits, and underlying unconsolidated and semiconsolidated sands, gravels, silts, and clays of the Santa Fe Group. On the west side of the Base, the valley fill is composed of highly heterogeneous alluvial fan, fluvial, and aeolian deposits. In the eastern portion of the Base within the Manzanita Mountains, the vadose zone is in part composed of bedrock materials of relatively low permeability, but highly fractured.

Flow and transport processes in the vadose zone are highly dependent on many other facets of the hydrogeologic picture such as climate, geomorphology, vegetation, geology, and the location of the saturated zone. The climate of the Kirtland AFB area is characterized by low precipitation, wide temperature extremes, frequent drying winds, some heavy rain showers (usually of short duration, often with erosive effects), erratic seasonal distribution of precipitation, and high evapotranspiration. These conditions imply a low recharge rate to the groundwater system from areal infiltration. Due to the complexity of the environmental setting of the Kirtland AFB area, detailed basewide flow and transport processes in the vadose zone are still poorly understood.

2.6 Potable Water Supply

Groundwater is pumped from wells for public, irrigation, industrial, commercial, domestic, and livestock uses. Wells having large yields usually penetrate at least 200 ft into water-bearing materials. The municipal water system of the City of Albuquerque is supplied from wells ranging in depth from 65 to 1,284 ft. In 1985, the average daily pumpage in Albuquerque was 274 acre-ft.

Several schools, hotels, hospitals, public buildings, and government installations in and near Albuquerque are supplied with water from privately and institutionally owned wells. Many industries and commercial institutions obtain their water from private wells. Many wells are used to irrigate small farms and gardens. An inventory of large-capacity wells owned by Kirtland AFB and the City of Albuquerque and their locations was taken in the Phase I study. At the Base, 98 percent of the water used is groundwater pumped by Kirtland AFB production wells from the Upper Santa Fe Group Aquifer. The remainder of the water used on base is purchased from the City of Albuquerque. Locations of Kirtland AFB production wells and monitoring wells are shown in Figure 2-11.

2.7 Population and Land Use

Kirtland AFB is bounded to the north and west by the City of Albuquerque and its suburbs, to the south by the Isleta Indian Pueblo, and to the east by the Cibola National Forest. Land use in the vicinity of Kirtland AFB varies from urban to open rangeland (Figure 2-12). The area immediately north of Kirtland AFB is predominantly urban. To the northeast and east are open spaces and forest land. Land use to the west of Kirtland AFB is a mix of urban, industrial, and agricultural areas. The Isleta Indian Pueblo lands to the south and southeast of Kirtland AFB are mostly open space and forest.

Population density in the vicinity of Kirtland AFB is shown in Figure 2-13. In 1990, the population of the Albuquerque metropolitan area was about 480,000. The unincorporated Rio Grande Valley to the south of Albuquerque and west of Kirtland AFB had a population of about 36,000. The population is extremely sparse on the Isleta Pueblo to the south, and to the east in the Cibola National Forest and Manzanita Mountains. Most of the Isleta Pueblo population is concentrated about 8 to 12 mi southwest of Kirtland AFB.

Kirtland AFB contains over 52,000 acres of land with more than 800 buildings and 5.6 million ft^2 of floor space (Engineering Science, 1981). 377 ABW has 2,522 employees who's mission is the support of nearly 21,000 people who work for Kirtland's 150 tenant units (Paseur, 1994).

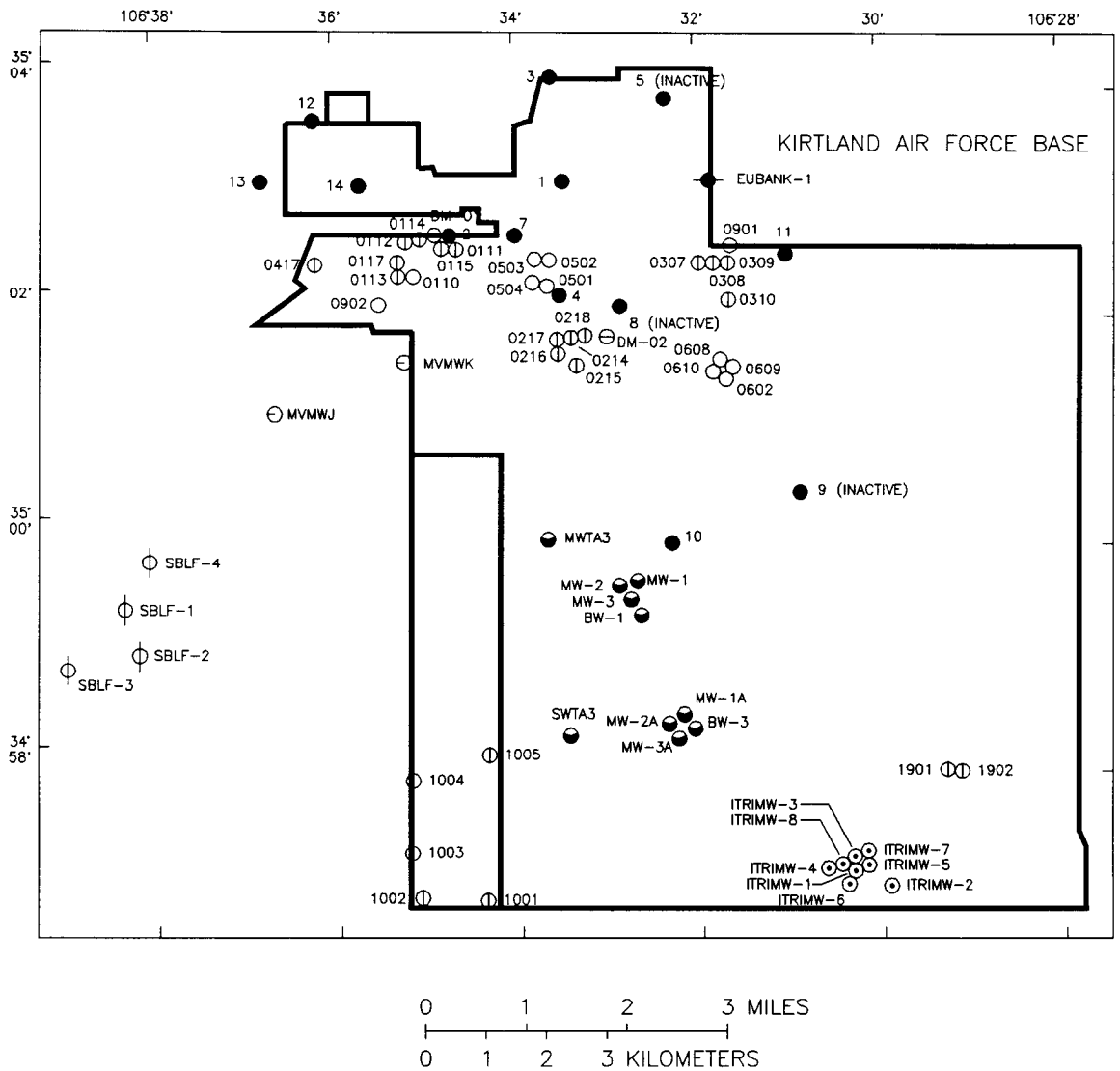
2.8 Biological Resources

2.8.1 Vegetation

The vegetation on the upper slopes of Kirtland AFB can be classified into two basic ecological associations: the Piñon-Juniper Association and the Grassland Association. The vegetation at Manzano Base and on the lower slopes of the Manzanita Mountains is primarily the Piñon-Juniper

MAP-14.DWG/LKB/11-29-94

RCRA FACILITY INVESTIGATION
STAGE 2B
KIRTLAND AIR FORCE BASE, NEW MEXICO



EXPLANATION

- CITY OF ALBUQUERQUE MONITORING WELL AND WELL IDENTIFICATION
- OTHER MONITORING WELL (USGS) AND WELL IDENTIFICATION
- INHALATION TOXICOLOGY RESEARCH INSTITUTE (ITRI) MONITORING WELLS (8 WELLS)
- KIRTLAND AIR FORCE BASE PRODUCTION WELL AND WELL IDENTIFICATION
- STAGE 1 IRP MONITORING WELL AND WELL IDENTIFICATION
- STAGE 2 IRP MONITORING WELL AND WELL IDENTIFICATION
- STAGE 2A IRP MONITORING WELL AND WELL IDENTIFICATION
- NEW MEXICO ENVIRONMENTAL DIVISION MONITORING WELL AND WELL IDENTIFICATION
- SANDIA NATIONAL LABORATORIES MONITORING WELL AND WELL IDENTIFICATION

FIGURE 2-11

LOCATIONS OF MONITORING WELLS AND PRODUCTION WELLS AT KIRTLAND AIR FORCE BASE

(USGS, 1993)

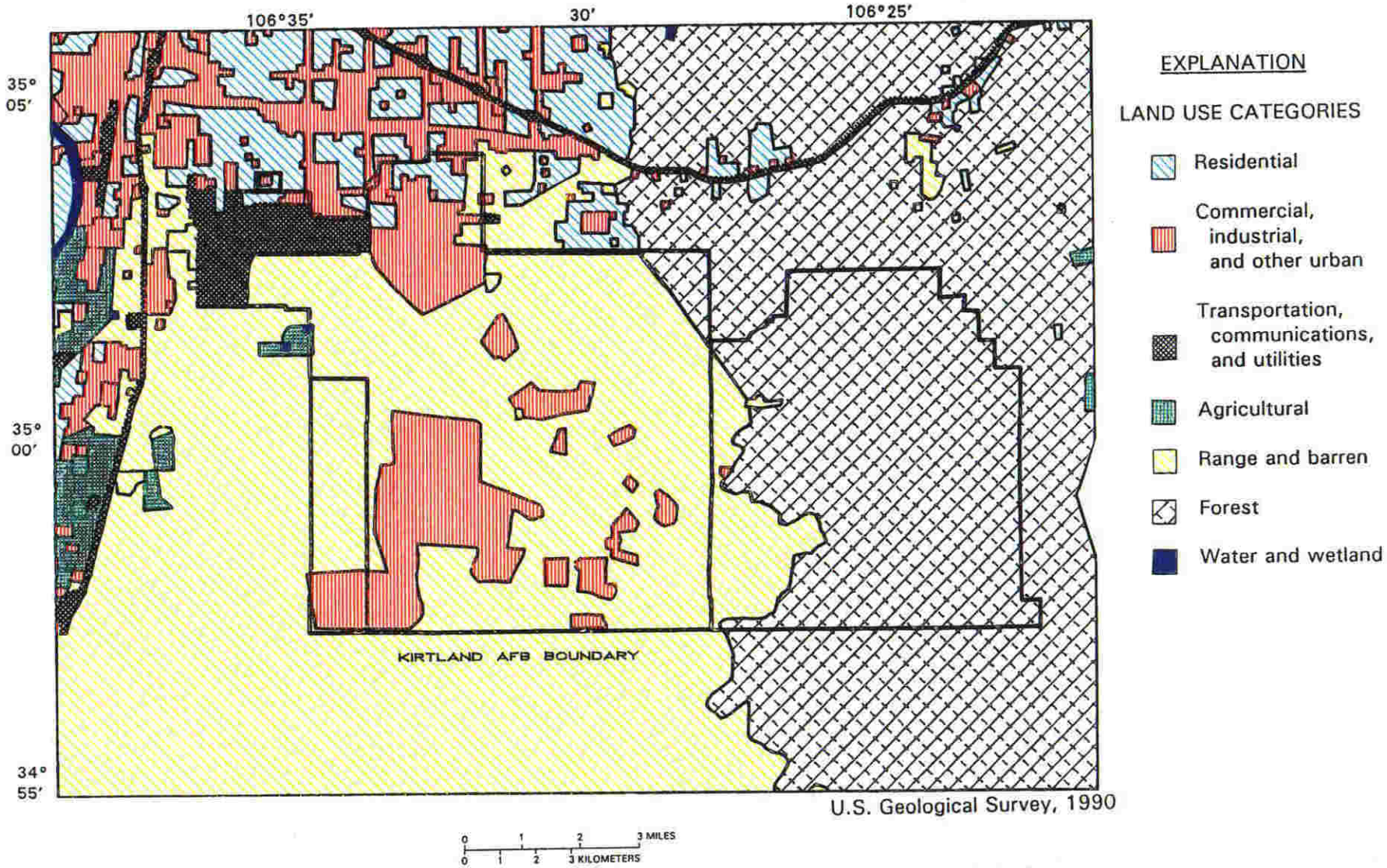


Figure 2-12. Land Use in the Vicinity of Kirtland Air Force Base

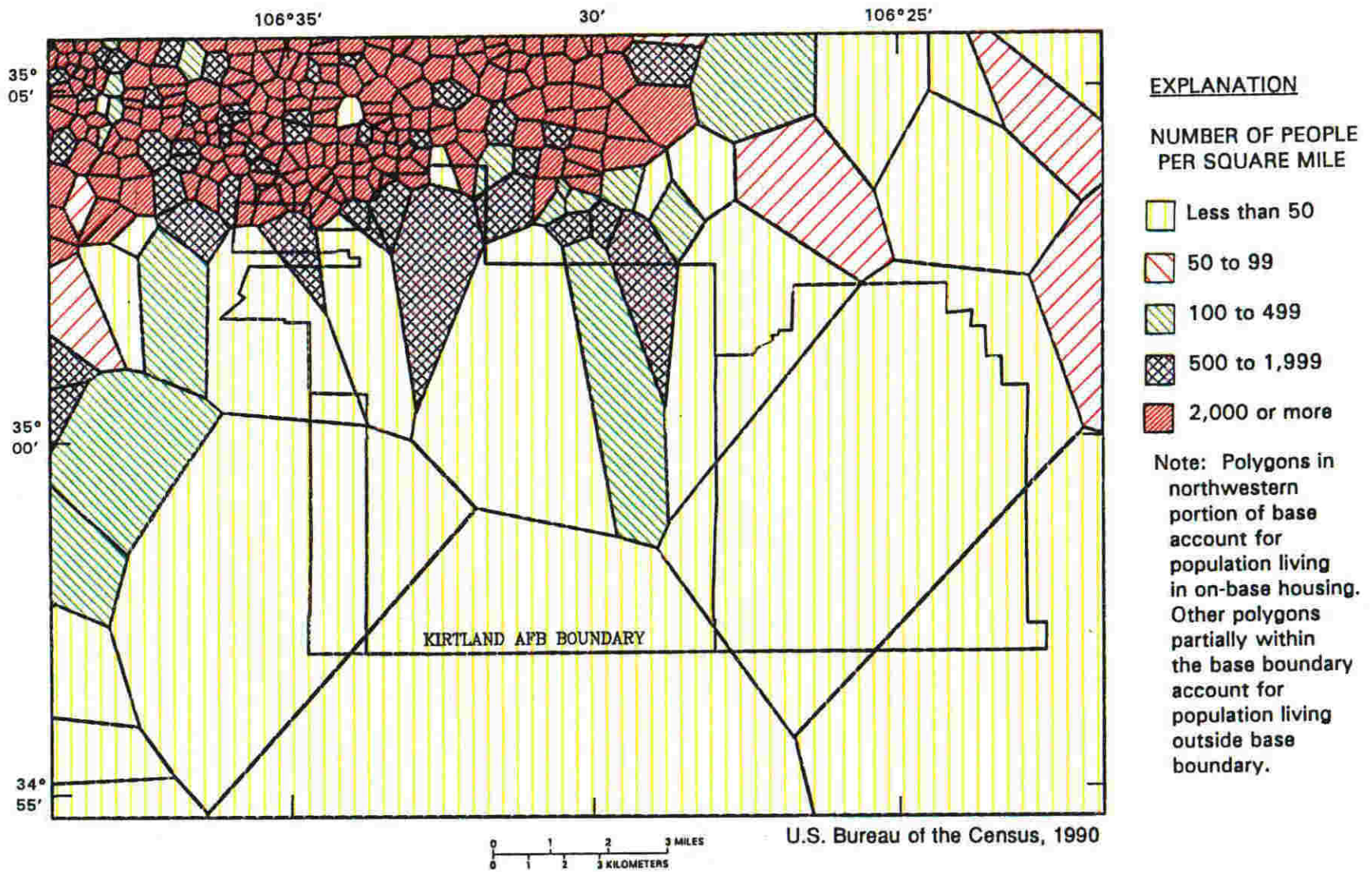


Figure 2-13. Population Density in the Vicinity of Kirtland Air Force Base

Association. The Piñon-Juniper Association has a lower elevation limit of 5,800 ft, with Colorado piñon pine and the one-seed juniper co-dominants in this association. The understory in this association is dominated by grasses and shrubs. The Grassland Association has an upper elevational limit of 5,800 ft. Within this association are more than 50 species of grasses, but only a small number of these are abundant. Dominant species include black grama, sand muhly, threeawn, Indian ricegrass, six-weeks grama, fluff grass, and spike dropseed. Several shrubs are also common in the Grassland Association.

2.8.2 Wildlife

Wildlife on and in the vicinity of Kirtland AFB is associated with xeric habitats, which seasonally support a narrow range of species. In light of the lack of competition from livestock, animal populations that feed on grasses and other range plants are abundant. Evidence supporting this contention is apparent in the sightings of numerous rodent burrows and mule deer, which descend in this zone from higher elevations to winter. Below the Manzanita Mountains foothills (part of the Base), occasional sightings of coyotes occur.

Birds are the most commonly seen wildlife on Kirtland AFB. In the Grassland Association, horned larks, meadowlarks, thrashers, predatory birds (hawks, owls, vultures), several species of sparrows, scaled quail, and mourning doves are the most often seen species. Scrub jays, plain titmouse, bushtits, woodpeckers of several species, and warblers occur in the Piñon-Juniper Association as year-round residents.

2.8.3 Threatened and Endangered Species

An in-progress report documents the findings of a threatened and endangered species survey of Kirtland AFB [University of New Mexico (UNM), 1994]. The potential habitat was surveyed for four plant species of concern; animal species surveys were conducted for the presence of northern goshawk, peregrine falcon, and gray vireo.

The plant species survey included potential habitat within undeveloped portions of land on the main base and the western foothills of the Manzanita Mountains. Species considered rare included *Pediocactus papyracanthus*, *Mammillaria wrightii*, *Neolloydia intertexta*, and *Amsonia fugatei*. These species were surveyed on 2,240 acres. The counts observed yielded the following data:

Plant Species	Occurrences
Pediocactus papyracanthus	89
Mammillaria wrightii	14

No streams or lakes exist on Kirtland AFB, and moist habitat is essentially nonexistent for either breeding or migrating wildlife. As such, sensitive habitat does not appear to be prevalent at Kirtland AFB.

3.0 Investigation Procedures

3.1 Field Procedures

The field investigation procedures and the analytical results provide a basis for assessing the environmental conditions and the presence or absence of environmental contamination. This section presents the general sampling operations and procedures used during the field portion of the Kirtland AFB Stage 2B RFI.

All activities were conducted to meet the data quality objectives (DQOs) and quality assurance/quality control (QA/QC) requirements in the USEPA approved Installation Restoration Program (IRP) Stage 2B Work Plan for Kirtland AFB (USGS, 1993), according to the Quality Assurance Project Plan (QAPjP), Field Sampling Plan (FSP), and Health and Safety Plan (USGS, 1993). Deviations from the approved plans are described in Section 3.2.

3.1.1 Sampling Investigations

Field investigation activities included a soil-gas survey (USGS, 1994), surface and subsurface soil sample collection, wastewater sampling, and infiltration/evaporation pond and sediment sample collection. Table 3-1 lists the sample matrix, sample collection method, and number of samples collected at each site by Kirtland AFB. Table 3-2 lists the sample matrix, sample collection method, and number of samples collected at each site by USGS personnel. Table 3-3 lists the sample preparation and analyses performed on soil and liquid samples collected by Kirtland AFB.

3.1.1.1 Subsurface Soil Sampling

Subsurface soil samples were collected for lithologic description and laboratory analysis at 72 locations. The Geoprobe sampling system was used to collect samples at each site (Tables 3-1 and 3-2). Hollow-stem auger (HSA) drill rigs were used at three sites to collect soil samples up to 150 ft below grade in order to define the vertical extent of contamination (Tables 3-1 and 3-2). In addition to Geoprobe and HSA methods, the USGS used a stainless steel hand auger at Site FT-14, the Manzano fire training area, for subsurface soil sample acquisition (Table 3-2). Using a direct collection methodology, three near-surface soil samples were collected at Site ST-233 by advancing brass collection tubes to a depth of 2 to 8 in.

Table 3-1. Drilling and Sampling Activity Summary, Stage 2B Field Investigation, Kirtland AFB, Albuquerque, New Mexico

Site Name	Soil Sampling			
	Boreholes	Subsurface Samples[a]		
		Geoprobe	Hand Auger	Hollow-Stem Auger
ST-201	3	6	—	—
ST-202	1	2	—	—
ST-203	3	7	—	—
ST-204	2	5	—	—
ST-205	1	2	—	—
ST-206	2	4	—	—
ST-207	2	4	—	—
ST-208	3	7	—	—
ST-209	4	9	—	—
ST-210	12	27	—	11
ST-211	5	12	—	—
ST-212	2	5	—	—
ST-213	4	8	—	—
ST-214	5	10	—	—
ST-215	4	12	—	—
ST-216	2	5	—	—
ST-217	3	6	—	—
ST-218	3	7	—	—
ST-219	12	27	—	65
ST-220	4	9	—	—
ST-221	9	23	—	—
ST-222	3	7	—	—
ST-223	2	4	—	—
ST-224	2	4	—	—
ST-225	1	3	—	—
ST-226	5	13	—	—
ST-227	2	6	—	—
ST-228	1	3	—	—
ST-229	6	17	—	—
ST-230	2	7	—	—
ST-231	4	9	—	—
ST-232	2	4	—	—
ST-233	2	2	—	—
ST-234	5	11	—	—
ST-235	2	4	—	—
ST-236	4	9	—	—
ST-237	1	2	—	—
ST-238	3	8	—	—

Table 3-1 (continued). Drilling and Sampling Activity Summary, Stage 2B Field Investigation, Kirtland AFB, Albuquerque, New Mexico

Site Name	Soil Sampling			
	Boreholes	Subsurface Samples[a]		
		Geoprobe	Hand Auger	Hollow-Stem Auger
ST-239	1	4	—	—
ST-240	2	4	—	—
ST-241	3	6	—	—
ST-242	3	8	—	—
ST-243	5	11	—	—
ST-244	5	11	—	—
ST-245	1	3	—	—
ST-246	9	22	—	—
ST-247	2	5	—	—
ST-248	5	11	—	—
ST-249	5	15	—	—
ST-250	2	7	—	—
ST-251	3	6	—	—
ST-252	3	6	—	—
ST-253	2	5	—	—
ST-254	5	11	—	—
ST-255	2	5	—	—
ST-256	2	4	—	—
ST-257	3	8	—	—
ST-258	2	4	—	—
ST-259	5	11	—	—
ST-260	2	4	—	—
ST-261	2	4	—	—
ST-262	5	11	—	—
ST-263	7	15	—	—
ST-264	3	2	4	—
ST-265	3	7	—	—
ST-266	9	15	—	6
ST-267	4	9	—	—

a. Includes replicates

Table 3-2. USGS Drilling and Sampling Activity Summary, Stage 2B Field Investigation, Kirtland AFB, Albuquerque, New Mexico

Site Name	Soil Sampling					Soil-Gas Sampling with Geoprobe	Infiltration/ Evaporation Pond/Sediment Sampling	Water Sampling
	Surface Samples	Boreholes	Subsurface Samples[a]					
			Geoprobe	Hand Auger	Hollow-Stem Auger			
WP-47							1	4
FT-14		11	38	12	5	51		
ST-270		3	3					
ST-271		2	3					
ST-272	5		5				4	
ST-326		5	11					

a Includes replicates

Table 3-3. Analytical Method Summary, Stage 2B Field Investigation, Kirtland AFB, Albuquerque, New Mexico

Parameter	Extraction	Analysis
TCL Volatiles (solid)	SW 5030	SW 8240
TCL Volatiles (aqueous)	SW 5030	SW 8240
TCL Semivolatiles (solid)	SW 3550	SW 8270
TCL Semivolatiles (aqueous)	SW 3510	SW 8270
Dioxin	SW 3550	SW 8280
Polynuclear Aromatic Hydrocarbons	SW 3550	SW 8310
ICP Metals (solid)	SW 3050	SW 6010
ICP Metals (aqueous-total, dissolved)	SW 3005	SW 6010
Pesticides/PCBs (solid)	SW 3550	SW 8080
Pesticides/PCBs (aqueous)	SW 3510	SW 8080
Herbicides		SW 8150
Total Petroleum Hydrocarbons (solid)	SW 5030/3550	SW 8015
Total Petroleum Hydrocarbons (aqueous)	SW 5030/3510	SW 8015
Gross Alpha/Beta		SW 9310
Mercury		SW 7471
TCLP		SW 1311
Mercury (soil)		SW 7471
pH (soil)		SW 9045
Moisture		ASTM 2218
Ignitability		SW 1010

Soil samples collected were initially screened for volatile organic compounds (VOCs) using portable organic vapor analyzers [photoionization detector (PID), flame ionization detector (FID)] and radiation monitoring instruments (gamma and beta-gamma meters, each with a sodium iodide detector). Field instrument readings were recorded in the field logbook and on borehole logsheets. Field screening instruments were calibrated daily.

The following describes equipment and procedures used for collecting soil samples. Sample collection equipment was decontaminated prior to each sample-collection event according to procedures described in Section 3.1.1.4.

Geoprobe Sampling

A Geoprobe was used to collect subsurface soil samples at 72 of 73 SWMU sites investigated during Stage 2B (see Photographs 3-1 and 3-2). These sites included underground storage/holding tanks, sediment traps, area drains, sewage ejectors, and oil/water separators (OWSs).

At each OWS, samples were collected near outflow and inflow lines at depths equal to the base of the unit and 5 ft below. Other SWMUs were sampled near inflow and outflow lines at 3 and 10 ft below the base of the unit. Sample points were finalized after considering access restrictions and underground utility locations. For sites located on the flight line, a concrete coring company was subcontracted to perform corings through the runway. Additional, deeper sampling was performed when field screening (PID and/or FID) indicated the presence of VOCs (no radioactivity above background was detected during field screening at any of the sites investigated). Sampling continued at 10 ft intervals until field screening instruments indicated no VOCs, or the maximum attainable depth was reached with the Geoprobe. This depth varied, depending on the site-specific geology; where appropriate, a hollow-stem auger rig was used to drill and sample at greater depths.

Geoprobe sampling system description. The Geoprobe is a hydraulically-driven, truck-mounted soil sampling system that uses static force and percussion to drive sampling tools into the subsurface to collect soil samples with minimal waste generation. A steel sampling tube (24 in. long and 1.375 in. inside diameter) is the core sample collection device (i.e., large-bore sampler). Hollow probe rods (36 in. long, 1 in. outside diameter) were attached to the large-bore sampler in succession to advance the sampler to the desired depth. While being driven to the desired sampling depth, the sampler is kept

Photograph 3-1 Geoprobe Sampling at ST-219, Building 481/482, Kirtland AFB, New Mexico

Photograph 3-2 Close-up of Geoprobe Unit

closed by a piston tip that is held in place by a reverse threaded stop-pin located at the tail end of the sampler. Once the sampler had reached the sample collection depth, the piston stop-pin was retracted, allowing the piston to ride upward as the sample tube was advanced. The sampler was subsequently driven an additional 2 ft for collection of the desired soil interval.

Prior to collecting a sample, an assembly of four decontaminated brass tubes (each 6 in. long) wrapped in an acetate sheath was placed inside the large-bore sampler. This setup allowed a soil collection interval of 24 in. per advancement. A 24-in. long clear acetate sleeve was used in place of the brass tubes when collecting soil for lithologic description at alternate 5 ft intervals.

Samples for lithologic description and laboratory analysis were field-screened with an organic vapor meter (FID and/or PID), NaI gamma meter, and a NaI beta-gamma meter (see Photograph 3-3). Instrument readings were recorded in the field log book and on borehole logsheets. If field screening indicated possible contamination, the brass tube exhibiting the highest FID or PID reading was designated for VOC analysis.

Brass tubes were used for collecting and shipping samples for laboratory analysis for all parameters. Following sample screening, the individual brass tube ends were covered with 2-in. by 2-in. squares of 0.003-in.-thick Teflon and sealed with vinyl caps. Samples were then individually placed in sealable plastic bags and stored on ice in a cooler.

The USGS submitted soil samples in brass tubes for VOC analysis only. USGS soil samples for other analyses were removed from the brass tubes, placed in glass sample jars, and stored on ice in a cooler prior to laboratory shipment.

Hollow-stem Auger (HSA) Sampling

An HSA drill rig was used to obtain soil samples at depths below those attainable with the Geoprobe. A Mobile Drill B-61 HSA rig was used to obtain samples at ST-210 (see Photograph 3-4), ST-219, and ST-266 (Table 3-1). This rig was capable of augering to 150 ft, depending on site geology. Samples were collected for lithologic description and laboratory analysis using split-barrel samplers based on ASTM Method D: 1586-84, "Standard Method for Penetration Test and Split-Barrel Sampling of Soils," and ASTM Method D: 3550-84, "Standard Practice for Ring-Lined Barrel Sampling of Soils." All samples obtained for laboratory analysis were field-screened and packaged according

Photograph 3-3 Field Screening Recovered Brass Sampling Tubes

Photograph 3-4 Hollow-Stem Auger Drilling at ST-210, Building 377, Kirtland AFB, New Mexico

to the Geoprobe soil sampling protocol previously described. HSA boreholes were located as close as possible to previous Geoprobe sampling locations. Sample collection started about 10 ft below the deepest Geoprobe sample. HSA samples were collected every 10 ft until the maximum possible drilling depth was reached, field screening indicated no contamination, or refusal occurred. By direction of the Kirtland AFB point of contact (POC), additional HSA borehole locations at OWS ST-219 were moved beyond the Geoprobe sampling locations in an attempt to define the horizontal and vertical extent of contamination.

Hand Auger Sampling

Part of the USGS investigation effort at FT-14, the Manzano fire training area (Figure 7-1), included collecting soil samples from near the land surface (0.2 ft below grade) with a stainless-steel hand auger. Sample jars were filled by directly transferring the auger contents. Samples collected for VOC analysis were shipped to the laboratory in 40-ml glass vials.

Kirtland AFB collected samples at ST-264 by hand augering holes to the desired sampling depth then hand driving a Geoprobe sampling tube. Recovered brass tubes were screened and packaged according to the Geoprobe soil sampling protocol previously described.

3.1.1.2 Sediment and Wastewater Sampling

On September 9, 1993, USGS personnel collected pond-sediment samples from an evaporation/infiltration pond (ST-272) by pushing sample jars directly into the sediment. Soil samples were also collected from the adjacent land surface using the same technique.

On September 21-22, 1993, USGS personnel collected water and sediment samples from four floor-drain locations at WP-47, the silver recovery unit, using either a peristaltic pump or a plastic scoop. One floor drain at building 2204 (WP-47; Figure 5-1) was sampled with a scoop made from a 250-ml polyethylene sample bottle. The other three floor drains at this site were sampled with a peristaltic pump. The suction end of the pump tubing was placed at the base of the trap, about 2 ft below floor surface, and an acetate tube was used to stir up sediment in the trap as a sample was pumped. Each sample obtained with the peristaltic pump contained enough material for both sediment and water analyses to be performed (Table 3-2).

3.1.1.3 Soil-Gas Sampling

A soil-gas survey was conducted by the USGS at FT-14, the Manzano fire training area, on January 19-20, 1994. At each survey location, a steel probe rod was hydraulically driven with the Geoprobe to a depth of 5 ft below grade. The tip of each probe rod was equipped with a disposable steel drive point. The probe rod was raised approximately 1 in., leaving the disposable drive point behind and exposing the open hole for soil-gas withdrawal. Using a low-volume vacuum pump, a soil-gas volume of two liters was withdrawn at 200 ml per minute to purge the system before collection of a soil-gas sample. The soil gas samples were collected with gas-tight syringes through a septum in a sampling port located in line between the probe and the vacuum pump. The soil-gas samples were analyzed with a Photovac 10S50 gas chromatograph equipped with a photoionization detector and a dimethyl polysiloxane capillary column. The gas chromatograph was configured for pre-column backflush operation (USGS, 1994a).

Working standards were prepared daily at two concentrations from a stock-standard solution obtained from the USGS National Water Quality Laboratory. The methodology used to prepare the working standards followed the procedure described by Brock (1990). Working standards were analyzed as required to monitor changing response factors and retention times. Other QC samples (instrument blanks, equipment blanks, ambient condition blanks) were analyzed to check for possible sources of false-positive results (USGS, 1994).

3.1.1.4 Decontamination Procedures

In accordance with IRP Handbook guidance, all sampling equipment was fully decontaminated prior to use for sample collection. The water supplied for all field operations, including decontamination activities, was provided on Base from potable water sources. Temporary decontamination facilities were constructed for HSA activities, while a permanent decontamination pad was used for all other decontamination.

General decontamination activities were as follows. For the Geoprobe and drilling rods, all external surfaces received a high-pressure, hot water (potable) wash with Liquinox detergent. A high-pressure rinse of hot water followed the washing, and subsequent air-drying completed the Geoprobe decontamination process. To minimize the potential for cross-contamination, this decontamination procedure was effected prior to mobilizing the Geoprobe to successive site locations (except as discussed in Section 3.2, Work Plan Deviation).

Prior to use, decontamination activities for sampling equipment (e.g., large-bore samplers, split-spoon samplers, brass tubes, hand augers) were conducted as follows. Equipment was washed with a solution of potable water and Liquinox detergent, followed by a potable water rinse. A triple rinse followed washing, consisting of an ASTM Type II water rinse, pesticide-grade methanol rinse, and finally a pesticide-grade hexane rinse. Time was allowed for the air-drying of all sampling equipment, which was subsequently wrapped in aluminum foil for storage.

The USGS decontaminated the peristaltic pump tubing and acetate sampling tube prior to use at each sampling location by the following method (USGS, 1994a):

- Washing with a Liquinox and potable water solution
- Rinsing with potable water
- Rinsing with ASTM Type II water

3.1.1.5 Borehole Abandonment

The first five boreholes completed were backfilled with a neat cement slurry to within about 6 in. of the surface and later capped with a concrete plug. However, excessive settling was encountered and subsequent boreholes were backfilled with bentonite chips to within 6 in. of the surface. The bentonite was hydrated and the final 6 in. were filled with concrete to provide a marker for later surveying. HSA boreholes were backfilled with a cement slurry emplaced with a tremie pipe and completed with a concrete cap. Following a directive from the Kirtland AFB Civil Engineering Department, HSA boreholes drilled on the flight line were similarly backfilled and completed using rebar reinforcement and high compressive strength concrete.

3.1.2 Sample Handling

All samples were obtained in accordance with the requirements of the IRP Handbook. In addition to sample custody responsibilities, sample handling includes the selection of appropriate containers and preservatives, collection of required sample volume, and the management of holding times required of the analyses requested. The QAPjP (USGS, 1993), Section 1 (Tables 1.5.2.1 and 1.5.2.2) of the SAP, provides specifications for sample containers (deviations are described in Section 3.2), volume requirements, preservatives, and allowable holding times per analyses requested. Table 3-3 summarizes the analytical methods used for Stage 2B samples. Specific analytical parameters applicable to each site investigated are presented in the statement of work (AFCEE, 1994).

3.1.2.1 Sample Identification System

A sample identification system was used to uniquely identify each sample collected during the RFI to ensure sample traceability. At the time of sample collection, each sample container was affixed with an adhesive-backed sample label indicating the AFCEE sample code (where appropriate), location, date and time of collection, analyses requested, and preservative [in laboratory-provided sample containers]. This coding nomenclature included specific information pertaining to site number and borehole location, and depth. For QC samples (e.g., equipment blanks, ambient condition blanks, trip blanks, and replicates), other unique identifiers were included in the sample code. All replicate samples were sent blind to the laboratory. (See Section 3.2, Deviations from the Work Plan, for a description of sample codes used.) As samples were received by the laboratory for analysis, each was assigned a unique laboratory identification number through a computerized laboratory information management system (LIMS). Hard copy and electronic data provided by the laboratory included both field and laboratory identification codes.

3.1.2.2 Sample Packaging, Shipping, and Documentation

Samples were packaged and shipped in accordance with USEPA, U.S. Department of Transportation (DOT), and 1991 IRP Handbook standards. Samples were sent to the laboratory in coolers packed with vermiculite and blue ice™. A container of water was placed in each cooler shipped to the laboratory to serve as a temperature blank to monitor compliance with USEPA sample preservation protocol (i.e., <4°C). The temperature was measured upon receipt at the laboratory and recorded on the chain-of-custody form. Custody seals were affixed to each cooler, and strapping tape was applied to the lid and drainage port. Each sample shipment included a completed chain-of-custody form and the AFCEE sample logsheet.

The field operations leader was responsible for the completion of the following forms:

- Sample labels
- Chain-of-custody forms
- Shipping labels
- Chain-of-custody seals
- Federal Express airbills
- AFCEE sample log forms

Sample custody was maintained and documented according to the Kirtland AFB 2B Work Plan Sections 1.6.2.1 and 2.3.2, with the following exception: sample condition upon receipt at the laboratory was visually noted and documented rather than photographically recorded as indicated in SAP Section 1.6.2.1. Visual inspection and notation of anomalies, with subsequent documentation on chain-of-custody forms and verbal notification were found to meet project data quality requirements. Use of the custody seals ensured that any tampering with samples during shipment to the laboratory would be detected; no such occurrences were noted. Copies of the chain-of-custody forms generated during the field investigation are in Appendix F.

3.1.3 Land Surveying

All Stage 2B soil sample borehole locations were surveyed following completion. The USGS used a Global Positioning System (GPS) survey to locate sampling locations generated during their field effort. A New Mexico registered land surveyor was contracted to conduct a third order survey of all its sampling locations. Each soil boring location was surveyed to the nearest 0.10 ft horizontally and vertically. Existing survey monuments within Kirtland AFB were used as reference points. Vertical elevations were referenced to the 1929 National Geodetic Vertical Datum (NGVD29). Horizontal locations were surveyed to the Kirtland AFB coordinates that are tied to the New Mexico State Plane Coordinate System. Appendix E includes the ground survey report for all surveyed locations.

3.1.4 Waste Handling

Kirtland AFB Stage 2B soil sampling activities (e.g., Geoprobe, HSA) resulted in the generation of excess excavated soil (i.e., soil not used for site analytical characterization). Additionally, the decontamination of sampling equipment resulted in the generation of liquid waste. The following sections describe the management of field investigation-derived waste.

3.1.4.1 Waste Soil

Waste soil generated was minimal during Geoprobe sampling. Wastes from each Geoprobe borehole, primarily related to lithologic description, were placed in sealable, 1-gallon plastic bags and labeled. All of the 1-gallon bags of waste soil from one site were then placed into one large sealed plastic bag. The larger plastic bag was labeled with the corresponding site number

and placed into a 55-gallon DOT-approved drum. Waste soils from several sites were stored in the same drum. Each 55-gallon drum of waste soil was sealed and clearly labeled with the following information:

- Site numbers corresponding to the bags contained in the drum
- Drum contents (i.e., "soil cuttings.")
- Dates covering the collection period
- Point of contact name and phone number
- The words "pending sample analysis"

All excavated materials from each HSA borehole were collected and containerized in DOT-approved 55-gallon drums. All drums were sealed and clearly labeled with the following information:

- Site and borehole number
- Drum contents
- Date collected
- Point of contact name and phone number
- The words "pending sample analysis"

All drums were relinquished to the Kirtland AFB waste management subcontractor (Perma-Fix) for transportation and storage in the Kirtland AFB POC-approved designated accumulation point pending sampling and analysis prior to final disposition. Soil drums generated by HSA drilling were sampled and analyzed by USEPA Method SW846 for RCRA waste characterization. Final disposition of Geoprobe drilling wastes will depend on the analytical results for each borehole or site. Upon review of the waste characterization analytical results, drums or plastic bags containing nonhazardous soil were disposed, at the discretion of the POC, either off-base at an approved landfill or on-base in a manner specified by the POC. Kirtland AFB is responsible for the proper disposal of nonhazardous materials according to applicable state and Federal regulations.

3.1.4.2 Wastewater

Equipment decontamination wash and water rinsate fluids were collected and containerized in DOT-approved 55-gallon drums. All drums were sealed and clearly labeled with the following information:

- Drum contents and date filled.
- Related site designation and boring number for HSA drilling related water drums. Drums of Geoprobe sampling related decontamination water were sequentially numbered upon collection.
- Point of contact name and phone number.
- The words "pending sample analysis."

All water-filled drums were relinquished to the Kirtland AFB waste management subcontractor (Perma-Fix) for transportation and storage in the Kirtland AFB POC approved designated accumulation point pending sampling and analysis prior to final disposition. Fluids generated during Geoprobe decontamination activities were sampled for the analytical parameters required by the City of Albuquerque Sewer Use and Wastewater Control Ordinance, Chapter 8, Article 9. The drum contents determined to be nonhazardous were disposed, at the discretion of Kirtland AFB Environmental Compliance and the City of Albuquerque, by discharge to the city sanitary sewer system.

If samples submitted for waste characterization are determined to contain RCRA hazardous constituents, waste manifestation documents will be prepared and submitted to the Kirtland AFB Environmental Management Office, the Contracting Officer's Representative (COR), and the POC. Kirtland AFB is responsible for the transportation and ultimate disposal of all RCRA hazardous materials.

3.2 Work Plan Deviation

There were no major deviations from the Work Plan (USGS, 1993) which would compromise data quality regarding decision-making. Deviations were discussed with the USEPA regulator and verbal or written approval was received (Appendix I). Deviations are described below:

- All soil samples were submitted to the analytical laboratory in brass sampling tubes. As originally proposed, soil samples would be extruded from the brass tube directly into a

sample container, except for volatile organic compound samples, which require a California brass ring or equivalent sampler. This deviation was discussed and approved in a March 31, 1994, telephone conversation with the USEPA. A memorandum to the file documented this deviation.

- The Geoprobe was not decontaminated between related, contiguous sites. For example, when split sampling with USEPA representatives was being conducted, the Geoprobe was not decontaminated between sampling at oil/water separator ST-211 and the associated area drain ST-213 that discharges to the separator.

- Laboratory personnel visually inspected sample-shipment coolers, noting any problems on the chain of custody rather than taking photographs (see Section 3.1.2.2 for details).

- Data were not validated by an independent third party as stated in the Work Plan; they were validated by Halliburton NUS personnel in Houston, TX.

3.3 Data Quality Objectives (DQOs)

Data quality objectives (DQOs) are programmatic sample collection and management activities and sample analysis accuracy and precision requirements applied to environmental sample measurement as the result of the DQO process. The DQO process (USEPA, 1987 and revised USEPA, 1993) is a series of planning steps based on scientific method. These steps are designed to ensure that the type, quantity, and quality of environmental data used in decision-making are appropriate for the intended application. USEPA policy (EPA Order 5360.1) and regulations emphasize that environmental data must be of known quality to achieve that goal. 40 CFR 300, NCP, mandates the development of a SAP, which specifies acceptable data quality goals, defines responsibility for achieving these goals, and includes as its key elements a field sampling plan and a QAPjP under CERCLA. Aside from 40 CFR 265, Subpart F, which requires a SAP for the investigation of potential groundwater contamination, programmatic QA planning documents are not required under RCRA. However, their development and use is advised in RCRA guidance documents to maximize investigation efficiency and minimize costs.

DQOs for the Stage 2B RFI include: analytical method precision and accuracy requirements, instrument detection limits, and control limits for matrix spike and matrix spike duplicate recovery (historical) and relative percent difference (method-specific requirements) (USGS, 1993). Environmental measurement data will be of acceptable quality to enable the following decisions regarding site disposition: (1) recommendation for no further action and

removal from the Part B RCRA permit, (2) qualitative risk assessment where action levels of certain constituents are exceeded but corrective action may not be warranted, (3) initiation of monitoring or further investigation, and (4) corrective measure studies and remediation.

The Stage 2B RFI was performed in conformance with the Stage 2B SAP (USGS, 1993). Exceptions are described in Section 3.2. The quality objectives to meet data uses stated in the Stage 2B Work Plan were as follows:

- Data collection and management performed in accordance with USEPA and IRP guidance
- Data generation and reporting that are scientifically and legally defensible
- Data acceptability, as determined by precision, accuracy, representativeness, and completeness, that enables decision-making (e.g., further action/no further action)

3.4 Quality Assurance and Quality Control (QA/QC)

3.4.1 Quality Assurance

Quality assurance is an integrated system of data management activities that is used to develop and implement procedures for field sampling, chain-of-custody, laboratory analysis, and reporting to provide environmental monitoring data of known acceptable quality. The procedures, stipulated in the USEPA-approved Stage 2B QAPjP, were used to provide acceptable and representative data to satisfy project DQOs and to enable appropriate decision-making regarding subsequent site disposition (e.g., no further action, further investigation, corrective measures study). During initial stages of the RFI, the QA officer was on-site daily observing all aspects of sample collection activity (e.g., daily calibration of field monitoring instruments, sample collection and packaging for shipment to the laboratory, chain-of-custody record keeping, decontamination, collection of field QC samples) to ensure appropriate, scientifically-sound quality control. No deficiencies were noted. Minor deviations from the QAPjP were verbally communicated to the Field Team Leader (FTL) and immediately rectified.

Quality assurance for laboratory analytical results was achieved by the laboratory Quality Assurance Program and applicable Standard Operating Procedures (SOPs). The laboratories used standard RCRA SW-846 and ASTM analytical methods.

3.4.2 Quality Control

Quality control (QC) is the overall system of technical activities that measures the attributes and performance of a process, item, or service against defined standards to verify that they meet the established requirements.

3.4.2.1 QC Samples

Quality control samples are control checks introduced into the process to monitor the performance of the sample data collection system. Several types of internal QC samples were used to evaluate system performance. For the purpose of this report, system quality control checks were classified as field QC samples or laboratory QC samples. QC samples included blanks (e.g., trip, equipment, ambient, and laboratory), replicates, spikes, analytical standards, and surrogates which were used to assess different phases of the data collection and analytical processes beginning with sampling and continuing through transportation, storage, and analysis. These QC samples and their frequency of use are described below.

3.4.2.2 Field QC Samples

Field QC samples included equipment blanks, field replicates, trip blanks, and ambient conditions blanks. Each type of field QC sample is defined below.

Equipment (Rinsate) Blanks

Equipment blanks were obtained daily under representative field conditions by running Type II reagent-grade water through sample collection equipment (e.g., brass tubes used with the Geoprobe and split-barrel sampler) after decontamination and prior to use for field sample collection. The rinsate was collected and analyzed for the same parameters as environmental samples collected that day. Equipment blanks were used to assess the effectiveness of decontamination procedures.

Field Replicate

Ten percent of all soil samples were field replicates. Replicate samples were identified so laboratory personnel were unable to distinguish them from the normal field samples. Replicates were analyzed for the same laboratory parameters as the normal environmental field sample. Field replicates are normally used to evaluate field sampling and laboratory quality assurance protocol in conjunction with laboratory QC

sample results; however, soil non-homogeneity makes definitive programmatic QA assessment difficult.

Trip Blanks

Trip blanks, which were included when analyzing environmental samples for volatile organics, were provided by the laboratory. Trip blanks, consisting of two 40-ml VOA vials, were obtained at the beginning of each day and subjected to the same field conditions as field environmental samples. Trip blanks were included in every shipping or sample collection cooler that contained samples to be analyzed for volatile organic compounds (VOCs) regardless of sample matrix. Trip blanks were used to evaluate environmental sample contamination possibly resulting from sample handling.

Ambient Condition Blanks

Ambient condition blanks were collected when potential VOC sources existed upwind from sample collection or packaging locations. Ambient condition blanks were used to assess environmental sample contamination possibly resulting from an external source (e.g., vapors from refueling operations, heavy traffic).

3.4.2.3 Laboratory QC samples

The AFCEE-approved laboratories of Halliburton NUS, CEIMIC, and ENSECO were used to provide analytical results for the Kirtland AFB Stage 2B RFI. These three laboratories are audited by the USEPA and are participating in Contract Laboratory Program and Department of Defense environmental restoration projects. QA for laboratory analytical results was achieved through strict adherence to the laboratory Quality Assurance Program (QAP) and applicable SOPs. Additional procedures were effected for laboratory QC control checks, including analytical standards, method blanks, and surrogate recovery checks. The laboratory QC samples are defined as follows:

Analytical Standards

The analytical standard is comprised of constituent(s) at a known concentration. The standard may be a reference material certified by the National Institute of Standards and Technology (NIST). Each laboratory used for Kirtland AFB sample analysis stipulated

use of certified analytical standards in their Quality Assurance Program. To evaluate measurement system precision and accuracy control, analytical standards used included:

- ***Calibration standard***, used to determine instrument response factors and linear range. Used on a method-specific frequency or as system conditions necessitate (e.g., post maintenance, out of control check standards).

- ***Calibration check standard***, at or near the midpoint of the standard calibration curve, analyzed each day of analysis for appropriate parameters. Results must fall within method-specific acceptance criteria. If not, results are flagged and corrective action is taken to recover system control. The Halliburton NUS laboratory experienced related problems and immediately applied corrective measures regaining system control for analysis of base, neutral, and acidic organic compounds. Corrective action resulted in analytical results outside historical laboratory acceptance criteria but well within method protocol.

- ***Internal standards***, usually isotopes of organic compounds of interest used for target compound quantitation.

Method Blanks

The method blank is an analytical control sample that contains either distilled/deionized water or control solid, and other reagents (e.g., surrogates, internal standards). The method blank is carried through the entire analytical procedure (preparation and analysis).

Surrogates

Surrogates are organic compounds, similar to analytes of interest in chemical composition and physical behavior, but not normally present in environmental samples. These compounds were added to all blanks, calibration and check standards, samples (including normal environmental samples, replicates, and QC samples), and spiked samples prior to sample processing. By calculating percent recovery, surrogates are used to monitor extraction efficiency. Method-specific percent recoveries are required for obtaining valid results. When surrogate recovery was outside method acceptance criteria, results were flagged by the laboratory. Samples were re-analyzed where appropriate.

Matrix Spike

A matrix spike (MS) is a separate aliquot of a sample spiked with the analyte(s) of interest and analyzed with the environmental sample. The results of MS analyses are used to measure method accuracy (as defined by percent recovery). Spike recovery was compared to laboratory matrix-specific historical statistical recovery criteria. Spike recovery outside laboratory QA acceptance criteria is flagged. Spike recovery may identify interference in complex matrices causing analytical bias. A matrix spike duplicate (MSD) (a second spiked aliquot of the same matrix and spiking solution) is analyzed and percent spike recovery calculated. The relative percent difference between the MS and MSD is calculated to determine matrix-specific, project-specific analytical precision. Analytical methods for organic constituents have specific MS/MSD precision requirements. When results were outside of method criteria, results were flagged and re-analysis performed where appropriate. MS/MSDs were used for both organic and inorganic analyses at a frequency of 1 set per 20 environmental samples. Laboratory Control Sample (LCS) and LCS duplicate—solid or liquid matrices—may be substituted for MS/MSD samples, per AFCEE IRP guidance.

Field samples and field QC samples were analyzed in conjunction with laboratory QC samples. The combined results of field and laboratory control samples were used to enable an overall quality assessment of measurement data.

3.4.3 Laboratory Analysis Activities

The Halliburton NUS laboratory, ENSECO, and CEIMIC Corporation provided analytical support for the Kirtland AFB Stage 2B RFI. Halliburton NUS analyzed samples for all analytes except VOCs. ENSECO provided analyses for VOCs and TPH purgables. CEIMIC provided analytical support for all analytical parameters during expanded investigation activities, tracing the extent of contamination using a hollow-stem auger drill rig. All laboratories used standard USEPA methodology and QA/QC protocol to ensure the reliability, consistency, and comparability of reported results.

Sample analysis was performed for required parameters (e.g., VOCs, SVOCs, petroleum hydrocarbons, inorganics) and target compounds identified in the USGS Stage 2B Work Plan by the described USEPA analytical methodology. The SW-846 8240 VOC was analyzed by the laboratories using a capillary column (SW-846 8260). Instrument detection limits (IDLs) and QC acceptance criteria for analytes of interest, in soil, for each laboratory are provided in

Appendix K, as required by the USEPA and Air Force IRP Guidance (AFCEE, 1991). ENSECO IDLs and QC acceptance criteria are presented in the 2B Work Plan (USGS, 1993). Laboratory QC sample acceptance criteria are based on either method-specific requirements or on historical laboratory matrix-specific statistical criteria. Analytical results not meeting applicable criteria are flagged by the laboratory and discussed in the case narrative. Historical laboratory acceptance criteria for laboratories used in the Stage 2B environmental sample analysis effort are also available in laboratory QA/QC reports, the Stage 2B Work Plan (USGS, 1993), and Appendix K.

QC acceptance criteria related to field QC replicate samples are identified in Section 3.4.2.2 and shown in Table 3-4.

Table 3-4. Acceptance Criteria for Field Replicate Samples

Method	QC Sample Frequency	Acceptance Criteria
SW-846 8240/8260 (Volatile organics)	1 set per 10 samples	RPD <30%
SW-846 8270 (Semivolatile organics)	1 set per 10 samples	RPD <30%
SW-846 6010 (Inorganics by ICP)	1 set per 10 samples	RPD <40%
SW-846 7471 (Mercury by GFAA)	1 set per 10 samples	RPD <40%
SW-846 8015b (TPH)	1 set per 10 samples	RPD <40%
SW-846 8080 (Pesticides and PCBs)	1 set per 10 samples	RPD <30%
SW-846 8150 (Herbicides)	1 set per 10 samples	RPD <30%
Gross alpha and beta	1 set per 10 samples	RPD <30%

3.5 Data Validation and Evaluation

The following describes practices used for data reduction, validation, and reporting for environmental measurement data resulting from the Stage 2B RFI.

Environmental samples were screened in the field with portable instruments (e.g., Foxboro Organic Vapor Analyzer, HNu 101, Ludlum models 12 and 19) for total volatile organic compounds ionizable by a flame or light source and radioactivity using a NaI detector. Since field screening was performed primarily for health and safety monitoring and total volatile organic potential contamination assessment; therefore, measurement results were limited to QA1 objective validation requirements (USEPA/540/G-90/004) consisting of daily calibration data (Appendix K). Samples were then sent to a laboratory and analyzed. Data validation was

performed on 10 percent of the laboratory results of environmental samples collected for laboratory analysis (USGS, 1993). The 10-percent sample group was selected at random. Data validation was conducted according to the following USEPA national protocols for the Contract Laboratory Program and RCRA SW-846 method-specific criteria:

- Laboratory Data Validation Functional Guidelines for Evaluating Organic Analyses (USEPA, 1990)
- Laboratory Data Validation Functional Guidelines for Evaluating Inorganic Analyses (USEPA, 1991)
- SW-846, Method 8240/8260
- SW-846, Method 8270
- SW-846, Method 6010
- SW-846, Method 7471

In accordance with USEPA national protocols, organic data were evaluated based on the following criteria:

- Data completeness
- Holding times
- Initial and continuing calibration verification
- Blank analyses
- Interference check sample results
- Matrix spike/matrix spike duplicate analyses
- Field replicate results (where appropriate)
- Laboratory control sample results
- Detection limits
- Sample quantitation results

In addition to the organic and inorganic data validation mentioned above, data from TPH analyses were also validated. However, this analysis is a screening method and was validated according to QA2 criteria (USEPA/450/G-90/004) consisting of sample documentation, holding time, calibration data, method blank, and blank spike analysis results.

Based on results of the evaluation, validation data may be qualified to alert the user to limitations. The following definitions provide brief explanations of the nationally-used qualifiers assigned to results in the data review process:

U The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

J The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

UJ The analyte was not detected above reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

R The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

Results and conclusions of this formal data validation process were submitted to the project chemist in the form of data validation memoranda. The data validation memoranda explain the findings of the data evaluation process, include a summary of the qualifiers assigned, and provide justification for action taken on the data.

Data quality control concerns are summarized in Section 3.5.1.

3.5.1 Data Quality Assurance/Quality Control (QA/QC) Summary

The results of the data quality assessment performed on the Stage 2B RFI data by Halliburton NUS, ENSECO, CEIMIC laboratory chemists, and the Halliburton NUS validation personnel in Houston, TX, are discussed in this section. While only 10 percent of the data were formally validated, findings indicate data of generally good quality for site assessment. Only those specific occurrences which resulted in qualification of the associated data are addressed.

Case narratives were prepared by the laboratories performing the analyses for each sample delivery group (SDG) consisting of 20 or fewer environmental samples. Each sample delivery group usually included all the samples for one site and generally represented 1 to 2 days of field sampling activity. There were cases where multiple sites were sampled in one day and the SDG may contain samples from one or more sites. In the case of larger sites, where sampling was conducted over several days, sample results are contained in several data packages associated

with more than one SDG. The case narrative for each SDG describes problems encountered during analysis of the samples (quality control and environmental) and resulting qualification of data and data concerns. Case narratives are summarized below. Copies of the case narratives are presented in Appendix K.

Data validation was performed on 10 percent of the Stage 2B RFI data per the USEPA-approved Work Plan's QAPjP. This validation protocol gives a representative indication of overall analytical control which is adequate for this preliminary assessment. If a particular problem related to analytical control is identified frequently, additional populations of data are examined or the data user is alerted that results for a particular constituent should be used with caution. Copies of the validation memoranda are presented in Appendix K.

Data packages will be retained for 3 years or until NFAs are approved or CMSs are completed.

3.5.1.1 Organic Analyses Data Evaluation Summary

Missed Holding Times and Reanalyses

ST-210 and ST-246. The maximum allowable holding time for sample volatile organic compound analysis was exceeded for samples collected at ST-210 and ST-246. Samples were re-collected within 1 foot of the original borehole and submitted for analysis. Sample identification increased sequentially from the previous sampling effort for boreholes resampled. For example, four boreholes were originally sampled at ST-210. The original sample field identification consisted of ST-210-01-#### through ST-210-04-#### (see Appendix I for sample identification protocol). Resampling environmental sample identification began with ST-210-05-####, equivalent to ST-210-01-####, and continued sequentially.

Resampling and reanalysis yielded acceptable results with the following exceptions: three samples at ST 210 were also analyzed outside holding times because the original analyses were outside the instrument calibration range. Samples were diluted and reanalyzed outside the allowable holding time, so these results are estimated. Results for acetone in reanalysis packages for ST-210 and ST-246 were qualified as estimated (J) because of unacceptable Continuing Calibration Check Standard (CCCS) and laboratory and field blank contamination.

ST-229. Samples collected for base, neutral, and acid (BNA) semivolatile compound analysis and total petroleum hydrocarbon (TPH) diesel fraction analysis were extracted

outside allowable holding times. Samples were recollected for analysis for these fractions. Reanalysis produced acceptable results.

ST-251. Samples collected for BNA semivolatile compound analysis and TPH diesel fraction analysis were extracted outside allowable holding times. Samples were recollected for analysis for these fractions. Reanalysis produced acceptable results.

ST-217. Samples were analyzed for TPH gasoline range organics (GRO) outside the 14-day holding time. Results are considered estimated; however, results of the SW-8240 analyses provide characterization and quantitation of the hazardous constituents associated with the GRO fraction at a 10-fold improved detection limit over the FID, so no action was taken. The RCRA hazardous constituents (i.e., the BTEX fraction) were not detected at detection limits of 5 to 10 ppbw by SW-846 8240.

Detection Limit Exceedances

ST-265-01-0406 was analyzed for BNA at a 20:1 dilution because Internal Standards (IS) and surrogate responses were masked by matrix interference. There was also a 3-times elevated detection limit for thallium, also due to matrix interference.

Data Review Summary

The following summarizes the results of the review of 10 percent of the data packages by the data validator. Most data reviewed were acceptable, but qualifiers were assigned to some analyte results in the 10-percent population (if appropriate). The following summary is intended to alert the data user to either general data considerations regarding specific analytes or analyte results in identified sample delivery groups, usually those of a particular site, relative to impact to other samples in that group or at that site. Again, deficiencies noted were minor (resulting in estimated values) with the exception of reported non-detects for arsenic and molybdenum, which are rejected in the majority of analyses reviewed. Other problems identified were not considered significant because the analytes were not detected in the environmental samples analyzed, or levels are very high and a CMS is warranted. (Details of validation review and laboratory narratives for specific data packages effected are presented in Appendix K, respectively). Data use for decision-making purposes is not impacted.

- Initial or continuing calibration Relative Response Factors (RRFs) for 2-chloroethyl vinyl ether tended to be less than the 0.050 minimum quality control criteria.

Nondetects for this compound in the affected samples (approximately 2 samples validated in sample delivery groups from the NUS laboratory) are unreliable and therefore rejected, "R."

- Initial and continuing calibration quality control statistical parameters exceeded 50 percent for the volatile compounds acetone, bromomethane, chloroethane, trans-1,3-dichloropropene, carbon disulfide, 2-hexanone, vinyl acetate, methyl ethyl ketone, 2-chloroethyl vinyl ether, 1,3-dichloropropane, and trans 1,2-dichloroethane in several data packages. Positive results and nondetects for affected compounds in affected data packages were estimated, "J" and "UJ," respectively.

- Initial and continuing calibration quality control statistical parameters exceeded 50 percent for the semivolatile compounds 2,4-dinitrophenol, 3-nitroaniline, bis(2-chloroisopropyl)ether, 4-nitroaniline, hexachlorocyclopentadiene, carbazole, 3,3'-dichlorobenzidine, di-n-octylphthalate, and 4,6-dinitro-2-methylphenol. Positive results and nondetects for affected compounds in the affected data packages were estimated, "J" and "UJ," respectively.

- Some positive results for acetone, methylene chloride, trans-1,2-dichloroethene, and methyl ethyl ketone were estimated, "J", because of initial calibration Percent Relative Standard Deviations (%RSDs) greater than the 30-percent quality control criteria; and some positive results for methylene chloride, vinyl acetate, and methyl ethyl ketone were qualified as estimated, "J," because of continuing calibration Percent Differences (%Ds) greater than the 25-percent quality control criteria. These statistics indicate that the laboratory had difficulty in maintaining consistent responses for these compounds, but the problem was not severe enough to cause uncertainty on associated nondetects.

- Acetone, methylene chloride, and methyl ethyl ketone consistently occurred as volatile fraction laboratory blank contaminants; bromomethane also occurred frequently during the validation review. Results for these compounds reported at concentrations less than the validation action levels are considered to be false positives and are qualified as undetected, "U."

In addition to the formal 10-percent data validation, a cursory review for blank contamination was conducted on all laboratory data. This review was conducted as an attempt to identify constituents that had been introduced from sources outside the site

being investigated. The two primary origins of external contamination include the laboratory and the field environment. Contamination from these sources are identified through the evaluation of laboratory and field quality control blanks. Laboratory method blanks are used to monitor laboratory introduced contamination. The laboratory blanks undergo the same sample preparation and analytical procedures as the environmental samples; therefore, they can be used to identify contaminants introduced during the analytical process. Field investigation procedures are monitored through use of ambient blanks, equipment blanks, and trip blanks. These blanks are used to monitor the environmental setting, decontamination procedures, and the shipping environment for possible contamination introduced prior to receipt of the samples at the laboratory.

A summary of constituents detected in all blank types is provided in Table 3-5. Totals of 19 inorganic constituents and 13 organic compounds were found in the laboratory blank samples. Analyses of blank samples collected from decontaminated sampling equipment detected the presence of 17 different inorganic constituents and 15 organic compounds. The ambient and trip blanks contained a total of 5 and 17 various organic compounds, respectively. The inorganic and organic constituents found in the blanks were generally found at concentrations significantly below HHRB action levels, although the variety of constituents found is worth noting. *The presence of similar constituents in environmental samples may be the result of cross-contamination similar to the cross-contamination of blank samples and not necessarily indicative of actual presence of these constituents in the sampled media.*

Concern was noted about diesel and gas components found in several blanks. The highest concentration for the gas component was detected in a laboratory blank. The laboratory was contacted and explained that the gas component contamination was "due to carry-over from analysis of the calibration standard." Diesel range organics were found in 25 of 67 equipment blanks, at a maximum concentration of 390 µg/l. The diesel component was also found in 3 of 72 laboratory blanks at a maximum concentration of 70 µg/l. Laboratory and field procedures were reviewed to determine the source of this contamination. Diesel component contamination in the laboratory blanks is most likely the result of carry-over from analytical activities. Diesel component contamination in the equipment blanks may be related to the use of a diesel-powered generator that supplied electricity to the steam cleaner used during the decontamination process. The possibility of contamination exists during refueling of the

Table 3-5. Summary of Blank Contaminants, Kirtland AFB, Albuquerque, New Mexico

Inorganics	Laboratory Blanks(µg/l)	Ambient Blanks (µg/l)	Equipment Blanks(µg/l)	Trip Blanks (µg/l)
Aluminum	86	NA[1]	196	NA
Antimony	ND	NA	37.8	NA
Barium	ND	NA	4.0	NA
Beryllium	2.0	NA	2.0	NA
Cadmium	5.0	NA	ND	NA
Calcium	161	NA	477	NA
Chromium	40	NA	35	NA
Copper	11	NA	79	NA
Iron	36.2	NA	172	NA
Lead	3.0	NA	1.1	NA
Magnesium	ND	NA	398	NA
Manganese	0.5	NA	27	NA
Mercury	99	NA	0.36	NA
Molybdenum	2.9	NA	ND	NA
Nickel	5.4	NA	52	NA
Silver	4.0	NA	6.0	NA
Sodium	576	NA	385	NA
Vanadium	5.0	NA	4.0	NA
Zinc	12	NA	84	NA
Organics				
1,1,1-trichloroethane	ND[1]	ND	ND	4.7
1,1,2,2-tetrachloroethane	1.9	ND	ND	1.2
1,2-dichloroethane	ND	ND	ND	1.8
1,2-dichloroethene (total)	ND	ND	1.9	ND
2-hexanone	8.2	ND	ND	5.3
4-methyl-2-pentanone	ND	ND	2.1	2.6
Acetone	17	5.4	33	46
Bis(2-ethylhexyl)phthalate	75	ND	1.0	ND
Bromomethane	3.7	ND	3.7	4.1
Chlorobenzene	1.0	ND	ND	0.32
Chloroform	ND	ND	0.6	ND
Diesel Component	70	ND	390	ND
Diethyl phthalate	10	ND	120	ND
Ethylbenzene	ND	1.7	ND	1.5
Gas Component	14000	ND	11	7.9
Methyl ethyl ketone (2-butanone)	8.5	1.8	11	2.3
Methylene chloride	12	25	17	12
Styrene	ND	ND	ND	1.6
Tetrachloroethylene	ND	ND	2.4	1.5
Toluene	2.0	ND	26	2.9
Vinyl chloride	ND	ND	3.2	3.5
Xylenes (total)	0.38	4.5	0.57	3.1

1 Not analyzed.
2 Not detected.

generator or it could be the result of exhaust components settling downwind of the generator onto equipment that was taken through the decontamination process. Although these possibilities exist, the effects from these contamination scenarios have been minimized due to quality protocols consistently followed during sample equipment handling and storage.

Semivolatile Surrogate Percent Recoveries (%Rs) for two samples were outside quality control limits. Positive results and/or nondetects for the compounds reported in the affected samples were qualified as estimated, "J" and "UJ," respectively. Surrogate recovery noncompliances are indicative of matrix interferences, which cause the compound's instrumental response to be augmented or suppressed, hence, reanalysis of these samples often fails to yield acceptable recoveries as well. It should be noted that based on overall quality of the data, the validator chooses the best results to be presented in the data.

Positive results and/or nondetects for one sample in data package ST-260 were qualified as estimated, "J" and/or "UJ," respectively, because the internal standard used to quantitate these results failed to meet quality control criteria. The reanalytical data yielded similar results. Because sample results are quantitated based on internal standard responses, the exact level of quantitation/detectability for these compounds is uncertain.

In the appropriate data packages, phenol results for field replicate pairs were qualified as estimated because of imprecision.

Results for vinyl acetate of the volatile fraction and phenol, bis(2-ethylhexyl)phthalate, and 2,4-dimethylphenol of the semivolatile fraction were estimated as a result of MS/MSD results being outside quality control limits. These noncompliances are indicative of matrix interferences resulting in uncertainty of quantitation.

LCS/LCSD results for the volatile organic compounds acetone, methylene chloride, 1,1,2-trichloroethane, xylenes, methyl ethyl ketone, vinyl acetate, styrene, dibromochloromethane, carbon disulfide, 2-chloro ethyl vinyl ether, 1,2-dichloroethane, ethylbenzene, tetrachloroethylene, and the semivolatile organic compounds benzoic acid, 4-chloroaniline, phenol, and bis (2-ethylhexyl) phthalate were outside quality control limits. Positive results and/or nondetects were estimated, "J" and/or "UJ," respectively.

Failure to meet LCS/LCSD quality control criteria indicates imprecision/lack of consistency in instrumental responses for the affected compounds.

Positive results for several compounds in both the volatile and semivolatile fractions are considered to be estimated because they are reported at concentrations below the Contract Required Quantitation Limit (CRQL). The CRQL is the limit at and above which sample results are statistically considered to be greater than 99-percent confident; hence, results reported at concentrations less than the CRQL are considered approximate.

3.5.1.2 Inorganic (Metals) Analyses Data Evaluation Summary

Data use for decision-making purposes is not expected to be impacted even with the deficiencies discussed below.

- The Initial Calibration Verification (ICV) Percent Recovery (%R) for selenium in data package ST-248 was extremely low (< 30%). The nondetect for selenium was rejected, "R," for three samples. Additionally, the Continuing Calibration Verification (CCV) %Rs for potassium and vanadium were below quality control limits. Positive results for these compounds were qualified as estimated, "J," in the validated samples.

- Qualifications based on laboratory method and/or field quality control blank contamination were made for the following analytes in the packages indicated:

Analyte	Data Package
Antimony	219U
Arsenic	235
Beryllium	226, 246, 256, 257, 258, 260, 261, 264, 266, 267
Cadmium	264
Chromium	215, 219S, 219T, 221, 244, 248, 258, 260, 261, 267
Cobalt	215, 219S, 219U, 253, 256, 258, 261, 266, 267
Copper	267
Lead	222, 234
Nickel	219S, 257
Silver	260, 261
Sodium	201, 202, 219T, 222, 260, 266
Zinc	219

Affected positive results reported at concentrations below the associated validation action levels were qualified as undetected, "U." These results are considered to be false positives due to blank contamination.

Several other analytes were also present as blank contaminants in various data packages; however, no data qualifications were necessary since all affected sample results were either nondetects or were reported at concentrations above the validation action levels.

Negative concentrations for several analytes were reported for the laboratory method blanks at levels which exceeded the absolute value of the Instrument Detection Limit (IDL). These occurrences in the affected data packages indicated instrumental drift (base-line fluctuations) which caused readings to be inconsistent. Positive results and nondetects for the affected analytes in the validated data packages were qualified as estimated, "J" and "UJ," respectively.

- Nondetects for arsenic and molybdenum in many samples and silver in one sample were rejected, "R," because instrumental responses for these analytes were suppressed based on evidence associated with the Interference Check Sample (ICS) results. Interferences were also noted for arsenic, cadmium, copper, manganese, sodium, vanadium, and zinc in many data packages as a result of high iron and/or calcium concentrations within the sample matrix. These results were qualified as estimated, "J."

- Nondetects for arsenic and molybdenum in many samples were qualified as "UJ" because of spectral interference based on evidence associated with the ICS results. The absence of arsenic and molybdenum, elements of toxicological concern, at detection limits for ICP analysis is qualified as "UJ" due to spectral interference. The trace levels reported do not indicate anthropogenic contamination sources.

  Data use for decision-making purposes is not impacted with the possible exception of arsenic. The ICP scan was used to measure all metals except mercury at Stage 2B sites. The method detection limit for arsenic [5 to 12 mg/kg (corrected for iron spectral interference)] is higher than the HHRB of 0.4 mg/kg. However, background concentrations of arsenic are found at up to 20 mg kg in this geologic region (New Mexico Bureau of Mines and Mineral Resources, 1994).

- In many data packages, ICS solution A runs resulted in negative and positive recoveries for one or more of the following elements: arsenic, sodium, barium, cadmium, manganese, and zinc. Although these elements are not in the ICS, the absolute value of element recovery

exceeded the IDL, and interferent concentrations in environmental samples were higher than interferent concentrations in the ICS solutions. While results fall within 1991 IRP acceptance criteria (MAQL); they do not always meet USEPA validation criteria and are qualified (usually as estimated, "J").

- Positive results for sodium in data package ST-254; barium in ST-253; barium, calcium, and cobalt in ST-219; and barium, calcium, and copper in ST-211 were qualified as estimated, "J," as a result of field replicate imprecision.

- The positive result for copper in data package ST-219T was qualified as estimated, "J," due to laboratory duplicate imprecision.

- LCS/LCSD results for aluminum, barium, chromium, copper, lead, magnesium, manganese, nickel, potassium, silver, and zinc were noncompliant. Positive results and/or nondetects for these analytes were qualified as estimated, "J" and/or "UJ," respectively. Failure to meet LCS/LCSD quality control criteria indicates imprecision/lack of consistency in instrumental responses for the affected analytes.

- MS results for aluminum, barium, copper, manganese, nickel, potassium, selenium, silver, and thallium were outside quality control limits. Positive results and/or nondetects were qualified as estimated, "J" and/or "UJ," respectively. These noncompliances are a result of interferences associated with the matrix of the sample.

- Matrix interferences which cause the MS %R for a particular analyte to be less than 30 percent are considered to be severe. Severe matrix interferences were noted for antimony in data package ST-219T. Nondetect results for antimony in this data package were rejected, "R."

  Recoveries for some other analytes for the matrix spike analyses were noncompliant in several other data packages, but no further qualifications were necessary because either the MS result was high and only nondetects were reported for the affected analytes, or no validation actions were required since the original unspiked sample result was greater than four times the amount of the spiked analyte.

3.6 Human Health Risk Assessment

This section provides an overview of the health and environmental assessment that was performed as a part of the evaluation to determine if an area (or a particular medium) requires

closer examination (and potentially a baseline risk assessment) when action levels were exceeded. Risk assessments were only performed for a selected group of sites or for individual contaminants at several sites where action levels were exceeded. The purpose of this risk assessment is to aid in the decision as to whether a CMS is necessary or if a site with sporadic exceedance of action levels can be recommended for NFA. Sites that had many constituents or concentrations greatly exceeding action levels were recommended for a CMS with full associated risk assessments and were not evaluated for baseline risk under this RFI. A risk assessment was performed for the following sites: WP-47 (Section 5.0); ST-271 (Section 6.0); ST-255, ST-256, ST-257, and ST-258 (Section 8.0); ST-227 (Section 25.0); ST-228 (Section 26.0); ST-230 (Section 28.0); ST-247 (Section 36.0); ST-248 (Section 37.0); ST-265 (Section 47.0); and ST-266 (Section 48.0).

The RCRA Facility Investigation guidance (USEPA, 1989b) recommends the preparation of a Health and Environmental Assessment (HEA). The HEA is based on a set of criteria (concentrations or "action levels") to which detected contaminant concentrations are compared. When an action level is exceeded, closer evaluation is suggested. Until the proposed Subpart S of RCRA Part 264 was published (USEPA, 1990a), there were no requirements for conducting risk assessments or evaluating remedies at RCRA facilities. One of the USEPA's primary objectives in the proposed corrective action regulations was to achieve consistency with the policies and procedures of CERCLA.

The proposed rule incorporates the concept of "action levels" - levels that, if exceeded in the environment, will typically trigger a CMS. If environmental levels are below the action levels, no further action is generally required, primarily because of the conservative assumptions incorporated into the action level development process. However, even if an action level has been exceeded, the proposed regulation allows the responsible party to demonstrate that no further action is required based on site-specific characteristics and land use.

The USEPA has no final criteria for dealing with contaminants in soil [with a few exceptions--e.g., lead and polychlorinated biphenyls (PCBs) for which guidelines are available]; therefore, action levels must be developed for each contaminant. For the purposes of the HEA performed under this RFI, Human Health Risk Based (HHRB) action levels were developed and are included in Table 3-6. The RCRA Subpart S proposed action levels were utilized as the initial basis for the HHRB action levels; however, levels were recalculated for contaminants for which more current toxicological information has been published since July 1990. The proposed RCRA Subpart S rule suggests that a residential land use scenario be used in computing HHRB action levels to evaluate the effects of long-term contact with soil. Small children are used to

Table 3-6. Proposed Action Levels for Constituents of Concern
Kirtland AFB, Albuquerque, New Mexico

Constituent of Concern [a]	CAS No.	USEPA Weight of Evidence [b]	Proposed Soil Action Level (mg/kg) [c]
A) Organics			
1,1,2,2-Tetrachloroethane	79-34-5	C	35
1,1,2-Trichloroethane	79-00-5	C	123
1,2,4-Trichlorobenzene	120-82-1	D	800
1,2-Dichloroethane	107-06-2	B2	7.69
2-methyl-naphthalene [d]	91-57-6	NA	3200
Acetone	67-64-1	D	8000
Benzene	71-43-2	A	24.1
Benzo(a)pyrene	50-32-8	B2	0.0959
Benzo(b)fluoranthene [e]	205-99-2	B2	0.959
Bromoform	75-25-2	B2	88.6
Bromomethane	74-83-9	D	32
Carbon Disulfide	75-15-0	NA	8000
Chlorobenzene	108-90-7	D	2160
Chloroform	67-66-3	B2	115
Chrysene [f]	218-01-9	B2	9.59
Diethylhexyl phthalate (DEHP)	117-81-7	B2	50
Di-butyl phthalate	84-74-2	D	8000
Ethyl Benzene	100-41-4	D	8000
Fluoranthene	206-44-0	D	3360
Fluorene	86-73-7	D	3360
Fluoride	7782-41-4	NA	4800
Isophorone	78-59-1	C	7368
Methyl Ethyl Ketone (MEK)	78-93-3	D	48000
Methylene chloride	75-09-2	B2	93.3
Naphthalene [f]	91-20-3	D	3200
Pentachlorophenol	87-86-5	B2	5.83
Tetrachloroethylene	127-18-4	NA	800
Phenol	108-95-2	D	48000
Pyrene	129-00-0	D	2400
Toluene	108-88-3	D	16000
Trichloroethylene	79-01-6	B2	63.6
Xylene	108-38-3	D	160000

Table 3-6 (continued). Proposed Action Levels for Constituents of Concern
Kirtland AFB, Albuquerque, New Mexico

Constituent of Concern [a]	CAS No.	USEPA Weight of Evidence [b]	Proposed Soil Action Level (mg/kg) [c]
B) Organics [g]			
1,1,1-Trichloroethane	71-55-6	D	NA
1,2-Dichloropropane	78-87-5	NA	NA
Dibenzofuran	132-64-9	D	NA
Methyl Isobutyl Ketone (MIBK)	108-10-1	NA	NA
Phenanthrene	85-01-8	D	NA
C) Inorganics			
Antimony	7440-36-0	D	32
Arsenic	7440-38-2	A	0.4
Barium	7440-39-3	NA	5600
Beryllium	7440-41-7	B2	0.2
Cadmium	7440-43-9	B1	40
Chromium III	16065-83-1	NA	80000
Chromium VI	18540-29-9	A	400
Cyanide	57-12-5	D	1600
Lead [h]	7439-92-1	B2	400
Manganese	7439-96-5	D	400
Molybdenum	7439-98-7	NA	400
Nickel	7440-02-0	NA	1600
Selenium	7782-49-2	D	400
Silver	7440-22-4	D	400
Thallium (acetate)	563-68-8	NA	7.2
Vanadium [i]	7440-62-2	NA	720
Zinc	7440-66-6	D	24000

Table 3-6 (continued). Proposed Action Levels for Constituents of Concern Kirtland AFB, Albuquerque, New Mexico

Constituent of Concern [a]	CAS No.	USEPA Weight of Evidence [b]	Proposed Soil Action Level (mg/kg) [c]
D) Inorganics [g]			
Aluminum	7429-90-5	D	NA
Calcium	7440-70-2	NA	NA
Cobalt	7440-48-4	NA	NA
Copper	7440-50-8	D	NA
Iron	7439-89-6	NA	NA
Mercury	7439-97-6	D	20
Potassium	7440-09-7	NA	NA

NA Not Available

a Positive detected constituent at Kirtland AFB.

b All parameters were obtained from the USEPA Integrated Risk Information System (IRIS Online Database) 1994, and the Health Effects Assessment Summary Tables (HEAST) developed by the USEPA (1992).
Carcinogenic classification:
A – Known human carcinogen
B1 / B2 – Probable human carcinogen
C – Possible human carcinogen
D – Not classified as a carcinogen

c Calculations were based on equations provided in the proposed Action Level (Federal Register, Vol. 55, No. 145, July 1990).

d Naphthalene Action Level may be used.

e TEF--toxicity equivalency factor based on carcinogenicity of benzo(a) pyrene (Supplemental Region VI Risk Assessment Guidance, April 14, 1992).

f RfD for Naphthalene was obtained from Superfund Chemical Data Matrix, 9345.1-13, (PB94963501), March 9, 1993.

g Neither RfD nor CSF is available from IRIS Database or HEAST for the calculation of Soil Action Level.

h The interim directive replaces all previous directives on soil lead cleanup for RCRA programs (USEPA 540/F-94 043, August 1994).

i Action level of vanadium oxide was used.

evaluate noncarcinogenic chemicals and are assumed to ingest 0.2 g/day of soil and weigh 16 kg. Adults, on the other hand, are used in the evaluation of carcinogenic chemicals. The long-term ingestion rate by adults weighing 70 kg is assumed to be 0.1 g/day. For carcinogenic compounds, the USEPA stipulates that the risk from any individual compound (Class A/B carcinogens) does not exceed 1×10^{-6}, or a 1 in 1 million chance of developing cancer based on the assumed exposure. Individual risks for Class C carcinogens are set at 1×10^{-5}. The total risk from all carcinogenic compounds should not exceed 1×10^{-4}, or 1 in 10,000. For noncarcinogenic compounds, the USEPA suggests that the Hazard Index not exceed unity (1.0).

To assess public health risks, three major aspects of chemical contamination and environmental fate and transport must be considered: (1) constituents with toxic characteristics must be found in environmental media and be released by either natural processes or human action; (2) pathways by which actual or potential exposure occurs must be present; and (3) human or environmental receptors must be present to complete the exposure route. Risk is a function of both toxicity and exposure; without one of the factors listed above, there will be no risk.

When the concentration of a constituent in the soil at a site exceeded the HHRB action levels calculated as described above (Table 3-6), the constituent and exposure route was retained for further consideration in a baseline risk assessment. This assessment considers the worst-case exposure scenario for Kirtland AFB (residential land use) and does not consider any constituents that were found at concentrations well below the "action levels." The risk assessment estimates the potential for human health risk at each individual site. Information on the distribution of contamination, the toxicity of the constituents detected in the subsurface soil, and a site-specific estimate of potential risks is presented in the appropriate site sections. A summary of the risk assessment process used in the subsequent site-specific sections following the latest USEPA guidance (USEPA, 1989c; 1991b) and Draft Supplement Region 6 Risk Assessment Guidance (USEPA, 1992b) is summarized below.

A risk assessment contains four general sections, as follows: (1) Data Evaluation; (2) Toxicity Assessment; (3) Exposure Assessment; and (4) Risk Characterization. Each of these components is described below:

- Data Evaluation (Section 3.6.1) - This section identifies and selects constituents of concern that are representative of the type and magnitude of potential human health and/or environmental effects. Contaminant concentration, contaminant release and environmental transport mechanisms, exposure routes, and toxicity are considered to evaluate site-specific identified constituents and to define the site-associated risks. This section is presented for

every site where baseline risks were calculated because each site was the location of different activities and chemical use/disposal; therefore, the list of constituents of concern will be different for each site.

- Toxicity Assessment (Section 3.6.2) - Available human health criteria for all constituents of concern are presented in this section. This information is presented in Section 3.6.2 to avoid unnecessary repetition in individual site sections. Dose-response parameters such as Reference Doses (RfDs) and Cancer Slope Factors (CSFs) are presented for each constituent of concern.

- Exposure Assessment (Section 3.6.3) - Potential human and environmental exposures at the source areas and in the vicinity of the SWMU are identified in this section. Exposure routes are developed from information on source area contaminant concentrations, contaminant release mechanisms, patterns of human activity, and other pertinent information.

- Risk Characterization (Section 3.6.4) - The risks associated with noncarcinogenic and carcinogenic effects of the constituents of concern were compared to relevant regulatory guidelines. This section describes the general procedures for calculating risks. The site-specific risk assessments present the actual numerical results of this exercise.

3.6.1 Data Evaluation

Data evaluation is a site-specific task and uses a variety of information to select a list of constituents of concern. The rationale for the selection of constituents of concern is presented in the site-specific risk assessments in Sections 5.0 through 49.0.

For the purposes of the risk assessments, the constituents of concern in soil are limited to those chemicals that exceed the HHRB action levels. Exposure to lead cannot be evaluated using the following techniques because there are no published dose-response parameters available from the USEPA with which to perform a quantitative risk assessment. An HHRB action level of 400 mg/kg was calculated for lead.

The risk assessment for each site is performed using a representative concentration for each constituent of concern. The representative concentration was calculated using the latest risk assessment guidance from the USEPA (USEPA, 1992b). The representative concentration calculation is dependent on the distribution of the sample set. For this risk assessment, the distribution (log-normal or normal) of a sample set was determined using a statistical method called the Shapiro and Wilk W-Test (Gilbert, 1987). The W-Test is used to reject the null

hypothesis that a data set is not normally distributed. Despite the utility of the W-Test in evaluating distribution characteristics, the test is often inconclusive (especially when evaluating small data sets), requiring the distribution evaluation to be made through inspection of the data set. When the results of the W-Test were inconclusive, the better fit was selected.

For normally distributed data, the calculation of the representative concentration is a two-step process. First, the standard deviation of the sample set must be determined, as follows:

$$S_x = \sqrt{\frac{\sum(X_i - X_x)^2}{(n-1)}} = \sqrt{\frac{\sum X_i^2 - \frac{(\sum X_i)^2}{n}}{(n-1)}}$$

and the upper 95-percent confidence limit (UCL) of the arithmetic average of a set of normally distributed data is calculated by:

$$UCL = X_x + t_{1-\alpha}\left[S_x / \sqrt{n}\right]$$

where:

UCL	=	Representative concentration
X_i	=	Individual sample value
X_x	=	Arithmetic average of a set of values
$t_{1-\alpha}$	=	One-sided t distribution factor
S_x	=	Standard deviation
n	=	Population of a sample set

For log-normally distributed data, the representative concentration is calculated using the following equations:

$$S_y = \sqrt{\frac{\sum(\ln X_i - X_y)^2}{n-1}}$$

$$UCL = e^{\left(X_y + S_y^2/2 + \frac{S_y H}{\sqrt{n-1}}\right)}$$

where:

UCL	=	Representative concentration
e	=	Constant, base of the natural log (≅ 2.718)
X_i	=	Individual sample value
X_y	=	Mean of transformed data
S_y	=	Standard deviation of transformed data
H	=	H-Statistic for computing one-sided confidence limit (from Table A12, Gilbert, 1987)
n	=	Number of samples

This equation uses individual sample results that are transformed by taking their natural logarithm.

When the UCL exceeded the maximum detected concentration, the maximum concentration was selected as the representative concentration. A value of the detection limit was substituted in the calculations for nondetects (USEPA, 1992b). A sample calculation is provided in Appendix H.

3.6.2 Toxicity Assessment

The purpose of this section is to identify the potential health hazards associated with exposure to each of the constituents of concern. A toxicological evaluation characterizes the inherent toxicity of a compound. Although the constituents of concern may cause adverse health effects, dose-response relationships and the exposure potential must be evaluated before the risks to receptors can be determined. Dose-response relationships correlate the magnitude of the dose with the probability of toxic effects, as shown in Table 3-7.

An important component of the risk assessment process is the relationship between the dose of a compound (the amount of a chemical which is absorbed by a receptor) and the potential for adverse health effects resulting from that dose. Dose-response relationships provide a means by which potential public health impacts may be quantified. The published information on doses and responses is used in conjunction with information on the nature and magnitude of human exposure to develop an estimate of potential health risks.

Standard Reference Dose (RfD) and Cancer Slope Factors (CSFs) have been developed by USEPA for many of the chemicals on the Target Compound List. This section provides a brief description of these parameters.

Reference Dose (RfD)

The RfD is developed by USEPA for chronic and/or subchronic human exposure to hazardous chemicals and is based solely on the noncarcinogenic health effects imparted by a chemical. The RfD is usually expressed as a dose (mg) per unit body weight (kg) per unit time (day). It is generally derived by dividing a no-observed-(adverse)-effect-level (NOEL or NOAEL) or a lowest-observed-adverse-effect-level (LOAEL) by an appropriate uncertainty factor. NOAELs, etc., are determined from laboratory or epidemiological toxicity studies. The uncertainty factor is based on the availability of toxicity data.

Table 3-7. Dose-Response Parameters for Constituents of Concern (Inorganics)
Kirtland AFB, Albuquerque, New Mexico

Constituent	CAS No.	EPA Weight of Evidence	Reference Dose (mg/kg/day)	Cancer Slope Factor $(mg/kg\text{-}day)^{-1}$
Antimony	7440-36-0	D	4.00E-04	
Arsenic	7440-38-2	A	3.00E-04	1.80E+00
Beryllium	7440-41-7	B2	5.00E-03	4.30E+00
Chromium VI (Total Chromium)	18540-29-9	A	5.00E-03	
Manganese	7439-96-5	D	5.00E-03	
Silver	7440-22-4	D	5.00E-03	

Reference: USEPA Integrated Risk Information System (IRIS online database, September 1994)
Carcinogenic classification:

A – Known human carcinogen
B1 / B2 – Probable human carcinogen
C – Possible human carcinogen
D – Not classified as a carcinogen

Uncertainty factors are generally applied as multiples of 10 to represent specific areas of uncertainty in the available data. A factor of 10 is used to account for variations in the general population (to protect sensitive subpopulations), when extrapolating from animals to humans (to account for interspecies variability), when a NOAEL derived from a subchronic study (instead of a chronic study) is used to develop an RfD, and when a LOAEL is used to develop an RfD instead of a NOAEL. In addition, USEPA reserves the use of a modifying factor of up to 10 for professional judgment of uncertainties not already accounted for in the data base. The default value of the modifying factor is 1.

Thus, the RfD incorporates the surety of the evidence for chronic human health effects. Even if applicable human data exist, the RfD (as diminished by the uncertainty factor) still maintains a margin of safety so that chronic human health effects are not underestimated. Thus, the RfD is an acceptable guideline for evaluation of noncarcinogenic risk, although the associated uncertainties preclude its use for precise risk quantitation.

Cancer Slope Factor (CSF)

CSFs are applicable for estimating the lifetime probability (assuming a 70-year lifetime) of human receptors developing cancer as a result of exposure to known or suspected carcinogens. This factor, which is generally reported by the USEPA in units of $(mg/kg\text{-}day)^{-1}$, is derived through an assumed low-dosage linear relationship and an extrapolation from high to low dose responses determined from animal studies. The value used in reporting the CSF is the upper 95-percent confidence limit.

Weight-of-Evidence

The weight-of-evidence designations indicate the likelihood that a chemical is a human carcinogen, based on both animal and human studies. The classification is as follows:

- A—Known Human Carcinogen.
- B1 or B2—Probable Human Carcinogen. B1 indicates that limited human data are available. B2 indicates that there is sufficient evidence of carcinogenicity in animals, but inadequate or no evidence in humans.

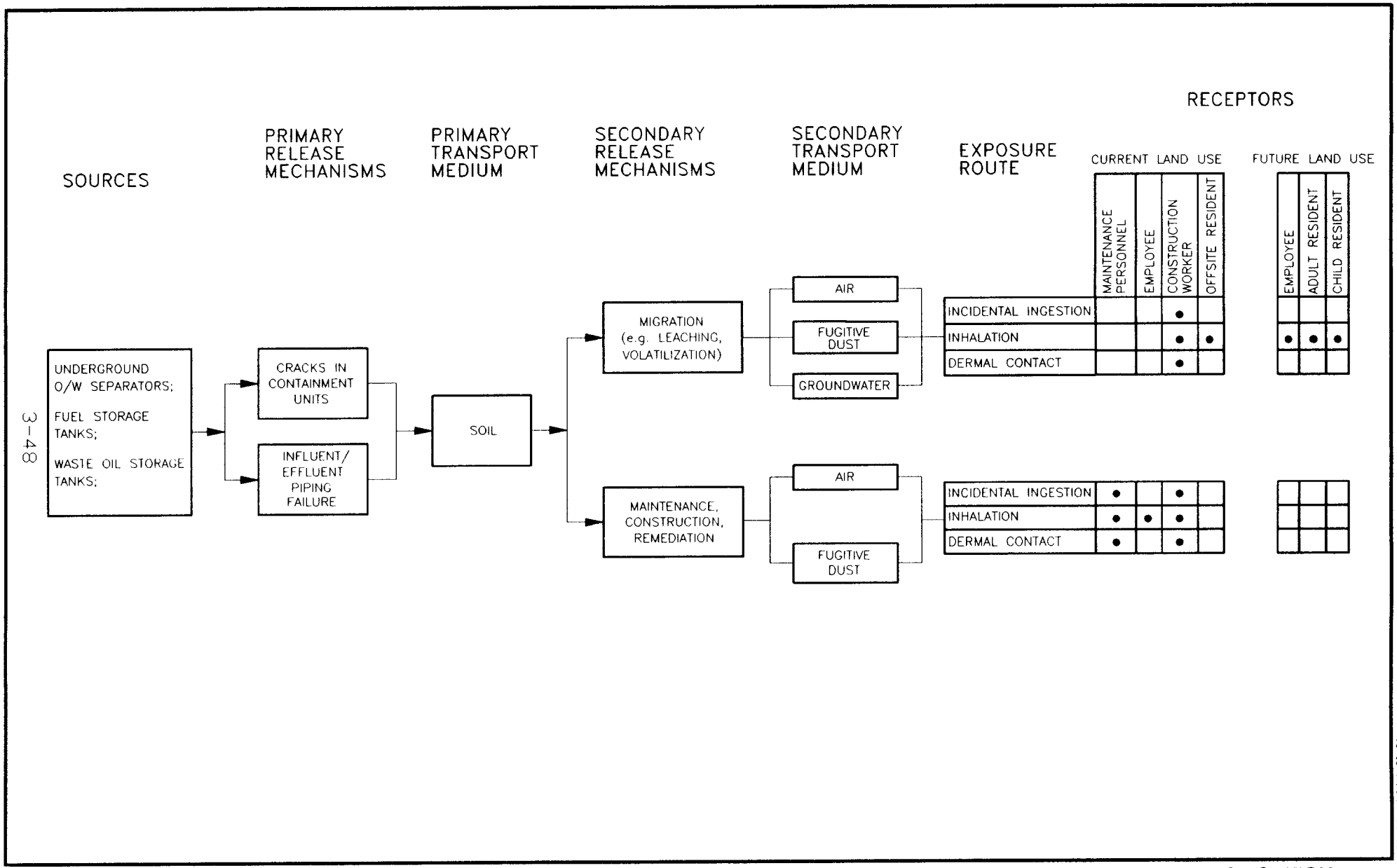
- C—Possible Human Carcinogen.
- D—Not classifiable as to human carcinogenicity.
- E—Evidence of noncarcinogenicity in humans.

3.6.3 Exposure Assessment

This section evaluates the potential for human exposure to any hazardous constituents found in soils at Kirtland AFB Stage 2B sites. This section characterizes the exposed populations, identifies actual or potential exposure routes, and illustrates how the magnitude of exposure is estimated. The nature and extent of contamination upon which the exposures are based are presented in the site-specific sections.

Groundwater exposure scenarios were not considered for the 13 sites evaluated. Limited near-surface soil contamination was present at these sites. Based on the estimated depth to groundwater (90 to 490 feet), it is unlikely that downward migration of contamination through the soil has affected groundwater. Therefore, groundwater well installation was not warranted during the RFI, and the groundwater exposure route is not included in this baseline risk assessment for sites with very low contaminant levels. It should be noted that risk assessments were not performed on sites that had many constituents or concentrations greatly exceeding action levels. These sites were recommended for a CMS with full associated risk assessment, including reevaluation of the need to determine the groundwater exposure pathway.

The Conceptual Site Model for the Stage 2B sites is presented as Figure 3-1. The model presents potential sources of contamination, migration pathways, and potential receptors associated with these sites. Soil is the primary media through which receptors can be exposed to site-related contaminants. To evaluate the most conservative scenario, incidental ingestion of subsurface soil is the only exposure route considered for the 13 sites where a risk assessment was conducted. Incidental ingestion of soil will always result in a greater risk than dermal or inhalation exposure because of the intake parameters for this scenario. Exposures to soil are estimated for two receptor groups, adult and child residents. Exposure frequencies for the ingestion of soil by an adult resident is estimated at 24 hours per day, 350 days per year for a period of 30 years (Table 3-8). Child residents, 0 to 6 years in age, are assumed to be exposed 24 hours per day, 350 days per year.



CONCEPTUAL SITE MODEL FOR 2B STAGE SWMUS

FIGURE 3-1

RCRA FACILITY INVESTIGATION KIRTLAND AIR FORCE BASE, NEW MEXICO

Table 3-8. Exposure Input Parameters for Calculation of Risk from Soil Ingestion Kirtland AFB, Albuquerque, New Mexico

Input Parameter	Description	Value	Rationale
IR	Ingestion Rate	Child: 200 mg/day Adult: 100mg/day	USEPA December, 1989
F_i	Fraction ingested from contaminated source	1.0	Professional judgment USEPA March 25, 1991
EF	Exposure Frequency	365 days/year	USEPA December, 1989
ED	Exposure Duration	Child: 6 years Adult: 24 years	USEPA March 25, 1991
BW	Body Weight	Child: 15 kg Adult: 70 kg	Convention USEPA May 1989
AT	Averaging Time	ED x 365 days/year 70 years x 365 days/year	Noncarcinogens Carcinogens USEPA December, 1989
CF	Conversion Factor	10^6 mg/kg	USEPA December, 1989

The estimation methods used in this section are consistent with current USEPA risk assessment guidance (USEPA, 1989c; USEPA, 1992b). Noncarcinogenic risks are estimated using the concept of an average annual exposure. The intake incorporates terms describing the exposure time and/or frequency that represent the number of hours/days and the number of days/years that exposure occurs. This is used with a term known as the averaging time, which annualizes the exposure frequency by dividing it by 365 days per year of exposure.

Carcinogenic risks are calculated as an incremental lifetime risk; therefore, they incorporate terms to represent the exposure duration (years) over the course of a lifetime (70 years). These terms are used to calculate potential incremental cancer risks but are not used in the calculation of noncarcinogenic risks.

Exposure to soil can result in incidental ingestion after hand-to-mouth contact. Subsurface soil sample results are used as input to this scenario. Intakes via soil ingestion are estimated as follows:

$$IEX = C \times IR \times F_i \times EF \times ED \; / BW \; / AT \; / 10^6$$

where:			
	IEX	=	Ingestional exposure dose (mg/kg/day)
	C	=	Exposure concentration in soil (mg/kg)
	IR	=	Soil ingestion rate (mg/day)
	F_i	=	Fraction ingestion from contaminated source (decimal fraction)
	EF	=	Exposure frequency (days/year)
	ED	=	Exposure duration (years)
	BW	=	Body weight
	AT	=	Averaging time or period of exposure (days)
	10^6	=	Conversion factor (mg/kg)

A soil ingestion rate of 200 mg/day was assumed for child residents and 100 mg/day for adult residents. An exposure frequency of 350 days/year was selected for residents. Body weights of 70 kg and 15 kg were used. The averaging time was set at 365 days per year for each year of exposure. An exposure duration of 24 years for an adult resident assuming 6 years residency as a child was utilized for these receptors.

A TPH screening method was used to detect gasoline range organics (GROs) and diesel range organics (DROs). Both GROs and DROs contain aliphatic hydrocarbons. Although many of these chemicals are known carcinogens, no Polynuclear Aromatic Hydrocarbons (PAHs) were detected in soil samples collected at Kirtland AFB. Therefore, a compound-specific risk analysis was not performed.

3.6.4 Risk Characterization

Potential human health risks resulting from the exposures outlined in the preceding section are characterized on a quantitative basis in this section.

Quantitative risk estimates are generated based on risk assessment methods outlined in USEPA guidance (USEPA, 1992b). Noncarcinogenic risks are presented in the form of Hazard Quotients and Hazard Indices that are determined through comparison of estimated doses with published Reference Doses. Incremental cancer risks are provided in the form of dimensionless probabilities based on published CSFs. Both carcinogenic and noncarcinogenic risks are

summarized on a series of tables in the appropriate site sections of this report. Detailed calculations are provided in Appendix H.

Noncarcinogenic risk is assessed using the concept of Hazard Quotients and Hazard Indices. The Hazard Quotient is the ratio of the estimated intake and the Reference Dose for a selected chemical of concern, as follows:

$$\text{Hazard Quotient} = \text{Intake} / \text{Reference Dose}$$

If the Hazard Quotient for a selected chemical exceeds unity (1.0), it is likely that noncarcinogenic (toxic) effects would occur as a result of the exposure. A Hazard Index is generated by summing the individual Hazard Quotients for all the chemicals of concern. If the value of the Hazard Index exceeds unity (1.0), there is a potential for noncarcinogenic health effects associated with exposure to that particular chemical mixture (USEPA, 1986). The Hazard Index is not a mathematical prediction of the severity of toxic effects; it is simply a numerical indicator of the possibility of the occurrence of noncarcinogenic effects.

Incremental cancer risk estimates are generated for each site using the estimated intakes and published CSFs, as follows:

$$\text{Risk} = \text{Intake} \times \text{Cancer Slope Factor}$$

The risk determined using this expression is a unitless expression of an individual's likelihood of developing cancer as a result of exposure to carcinogenic chemicals. An incremental cancer risk of 1×10^{-6} indicates that the exposed receptor has a 1 in 1 million additional chance of developing cancer after the defined exposure period to the constituent of concern. Alternatively, such a risk may be interpreted as representing one additional case of cancer in an exposed population of 1 million people.

The calculated cancer risks should be recognized as upper-limit estimates. CSFs are the upper 95-percent confidence limit of a dose-response curve generally derived from animal studies. Actual human risk, while not specifically identifiable, is not expected to exceed the upper limit based on CSFs, and, in fact, may be much lower.

3.6.5 Uncertainties

Carcinogenic and noncarcinogenic health risks are estimated using a number of simplifying assumptions; therefore, the values presented in this section contain an inherent amount of

uncertainty. The extent to which health risks can be characterized is primarily dependent upon the accuracy with which the toxicity of a chemical can be estimated and the accuracy of the exposure estimates. The toxicological data that form the basis for all risk assessments contain uncertainty in the following areas:

- The extrapolation of nonthreshold (carcinogenic) effects from the high doses administered to laboratory animals to the low doses received under environmental exposure scenarios.
- The extrapolation of the results of laboratory animal studies to human or environmental receptors.
- The interspecies variation in toxicological endpoints used in characterizing potential health effects resulting from exposure to a chemical.
- The variations in sensitivity among individuals of any species.

In addition to these sources of uncertainty, the exposure estimate methodology presented in Section 3.6.3 is also based on a number of simplifying assumptions. All assumptions used were clearly defined in that section. The assumptions made are based on published values, with some attempt at making them more site specific. These include age, body weight, and exposure duration.

Every effort was made to collect environmental samples that accurately reflect site conditions in terms of areas of contamination and the types of constituents present. In addition, the validation of data ensures that the validated data are adequate for the intended uses (i.e., health and environmental assessment, risk assessment, and evaluation of corrective measures technologies).

Arsenic is found in detectable amounts in nearly all soils. In surveys of US soils, arsenic levels range from <0.2 up to 97 mg/kg in uncontaminated soils and up to 550 mg/kg in arsenic-treated soils. Soils are contaminated with arsenic by the use of pesticides, from smelting operations, from the burning of cotton wastes, and from fallout of the burning of fuel. The toxicity and LD50 values observed for arsenic and arsenic compounds depend on the chemical form and oxidation state of the chemical involved. The toxicity of trivalent arsenic compounds is much greater than that of the pentavalent ones. The oral LD50 for arsenate {As (V)} in rats and mice has been found to be about 100 mg/kg, and that for arsenic {As(III)} about 10 mg/kg. The primary routes of potential human exposure to arsenic and its compounds are inhalation, ingestion, and dermal contact. Oral exposure to inorganic arsenic is sufficient to cause gastrointestinal, cardiovascular, nervous, and hematopoietic symptoms. The low toxicity of

elemental arsenic is attributed to its virtual insolubility in water or in body fluids. Human exposure to arsenic occurs from tobacco smoke when the tobacco has been sprayed with arsenical pesticides. There is inadequate evidence for the carcinogenicity of arsenic compounds in animals. There is sufficient evidence that inorganic arsenic compounds are skin and lung carcinogens in human ("A" carcinogen). Occupational exposure may occur during the smelting of ores containing arsenic, during pesticide application, and during wood preservation. It also may occur through consumption of foods. The calculated risk was based on the carcinogenic effect of arsenic and may be overestimated.

4.0 Facility-Wide Results Summary

4.1 Overview of Contaminants Detected

The 73 sites investigated during the Stage 2B RFI consisted primarily of subsurface OWSs and used oil USTs. Table 4-1 lists the organic constituents and elements detected in the more than 600 environmental samples collected during the Stage 2B investigation. Table 4-1 also includes the range of measured concentrations and the location of maximum detected levels.

A variety of organic compounds was detected in samples collected during the site investigations. Most of the organic compound concentrations were <1 mg/kg or not detected (i.e., below method detection limits). Based on a review of QC sample results, some compounds detected were attributed to field and laboratory contamination (Section 3.5.1.1). Hazardous organic constituents, detected at higher concentrations, were found at nine sites associated with vehicle or aircraft maintenance operations and included volatile and semivolatile organic compounds (e.g., aromatics, chlorinated solvents, phenols, ketones). Polynuclear aromatic hydrocarbons (PAH), detected at several sites, are also associated with vehicle and aircraft maintenance (e.g., spent fuel). Details of specific contaminants detected and concentrations are tabulated and discussed in site-specific investigation sections (Sections 5.0 through 49.0).

Metals detected in environmental samples (e.g., concentration and ranges) are presented in Table 4-1. Metals are discussed relative to Kirtland AFB site-wide background levels in Section 4.2, and are subsequently addressed in relevant site-specific sections, 5.0 through 49.0.

4.2 Statistical Analysis of Background Data

During the Stage 2B RFI, 60 background soil samples were collected throughout Kirtland AFB in areas away from any known or suspected contamination bordering the sites. For the most part, metal concentrations in these samples are well below the calculated HHRB action levels (Table 4-2); however, beryllium, manganese, and arsenic are present in some samples at concentrations exceeding HHRB action levels. This section outlines the methodology used to determine background metal concentrations for the Stage 2B sites. Background concentrations were calculated to distinguish naturally occurring metal concentrations from concentrations that may indicate contamination. Statistical analysis results are used to support the occurrence of concentrations of beryllium, manganese, and arsenic exceeding HHRB action levels.

Table 4-1. Summary of Concentration Data for Constituents Detected in Soils at Kirtland AFB (all concentrations in mg/kg)

Constituent	Number of Detections	Range	Mean	Median	Location of Maximum Value
Volatiles					
Acetone[a]	309	0.0012 – 8.7	0.18	0.01	ST-221-08
Benzene	11	0.001 – 0.16	0.017	0.001	ST-219-09
Bromodichloromethane	2	0.002 – 0.0023	0.002	0.002	ST-267-04
Bromoform	2	0.0012 – 0.0018	0.0015	0.0015	ST-267-04
Bromomethane	27	0.0014 – 0.72	0.14	0.0026	ST-219-09
Butyl Benzyl Phthalate	1	0.25 – 0.25	0.25	0.25	260602 1
Carbon Disulfide	4	0.0012 – 0.012	0.0042	0.0018	ST-231-04
Carbon Tetrachloride	1	0.0023 – 0.0023	0.0023	0.0023	ST-267-04
Chlorobenzene	9	0.001 – 0.003	0.002	0.002	ST-210-02
2-Chloroethyl Vinyl Ether	1	0.0023 – 0.0023	0.0023	0.0023	ST-267-04
Chloroform	3	0.0017 – 0.0024	0.002	0.002	ST-267-04
Chloromethane	1	0.0032 – 0.0032	0.0032	0.0032	ST-201-03
Dibromochloromethane	2	0.0023 – 0.003	0.003	0.003	ST-210-02
1,1-Dichloroethane	1	0.0021 – 0.0021	0.0021	0.0021	ST-267-04
1,2-Dichloroethane	1	0.0025 – 0.0025	0.0025	0.0025	ST-267-04
1,1-Dichloroethene	1	0.0016 – 0.0016	0.0016	0.0016	ST-267-04
trans-1,2-Dichloroethene	2	0.0022 – 0.13	0.07	0.07	ST-219-03
1,2-Dichloropropane	2	0.0026 – 0.00342	0.0030	0.0030	270101 1
cis-1,3-Dichloropropene	1	0.0024 – 0.0024	0.0024	0.0024	ST-267-04
Ethylbenzene	31	0.001 – 180	14	0.49	ST-210-03
2-Hexanone[a]	11	0.0013 – 2.6	0.38	0.004	ST-221-08
Methyl Ethyl Ketone[a]	84	0.0011 – 2.5	0.13	0.0042	ST-219-09
Methyl Isobutyl Ketone[a]	18	0.0012 – 0.43	0.03	0.0024	ST-219-06
Methylene Chloride[a]	405	0.00107 – 18	0.13	0.0043	ST-210-07
Styrene	5	0.28 – 0.79	0.59	0.59	ST-219-09
1,1,2,2-Tetrachloroethane	4	0.0021 – 0.0061	0.0039	0.0038	ST-210-06
Tetrachloroethylene	34	0.0011 – 7200	218	0.02	ST-219-04
Toluene	72	0.0006 – 770	13.1	0.005	ST-219-04
1,1,1-Trichloroethane	6	0.00101 – 0.0033	0.0019	0.0017	270402 1
1,1,2-Trichloroethane	2	0.0022 – 0.003	0.0026	0.0026	ST-210-02
Trichloroethylene	33	0.0014 – 120	4.9	0.39	ST-219-04
Vinyl Acetate	1	0.0017 – 0.0017	0.0017	0.0017	ST-267-04
Xylenes	72	0.0013 – 430	12.8	0.305	ST-210-03

Table 4-1 (continued). Summary of Concentration Data for Constituents Detected in Soils at Kirtland AFB (all concentrations in mg/kg)

Constituent	Number of Detections	Range	Mean	Median	Location of Maximum Value
Semivolatiles					
Acenaphthene	9	0.2 – 1.4	0.66	0.48	260304 1
Acenaphthylene	3	0.41 – 0.49	0.45	0.45	260304 1
Benzo(a)anthracene	7	0.064 – 0.27	0.17	0.18	260204 1
Benzo(a)pyrene	10	0.02 – 0.035	0.028	0.027	260203 1
Benzo(b)fluoranthene	12	0.014 – 0.065	0.031	0.028	260101 1
Benzo(g,h,i)perylene	2	0.035 – 0.042	0.039	0.039	260203 1
Benzoic Acid	1	6.7 – 6.7	6.7	6.7	260501 1
Bis(2-Ethyhexyl) Phthalate[a]	57	0.037 – 6.3	0.88	0.28	260401 1
Chrysene	10	0.03 – 0.15	0.10	0.10	260401 1
di-n-Butylphthalate[a]	140	0.1 – 0.67	0.37	0.35	ST-236-03
Di-n-Octylphthalate[a]	3	0.059 – 0.42	0.18	0.065	261102 1
Dibenzofuran	5	0.62 – 0.86	0.74	0.77	260304 1
trans-1,3-Dichloropropene	1	0.0023 – 0.0023	0.0023	0.0023	ST-267-04
2,4-Dinitrophenol	1	0.68 – 0.68	0.68	0.68	260501 1
2,6-Dinitrotoluene	1	0.11 – 0.11	0.11	0.11	260205 1
Fluoranthane	2	0.26 – 0.42	0.34	0.34	ST-260-01
Fluoranthene	14	0.057 – 0.77	0.32	0.33	260205 1
Fluorene	12	0.065 – 2.4	1.1	1.1	260105 1
Fluoride	9	2.2 – 12.8	7.2	7.0	230101 1
2-Methylnaphthalene	36	0.045 – 57	6.9	2.4	260304 1
Naphthalene	48	0.06 – 19	4.8	2.0	ST-219-05
Phenanthrene	18	0.087 – 3.7	1.6	1.4	260105 1
Pentachlorophenol	1	0.87 – 0.87	0.87	0.87	260501 1
Phenol	147	0.14 – 3.6	0.43	0.24	ST-219-04
Pyrene	4	0.01 – 0.33	0.22	0.27	260101 1
1,2,4-Trichlorobenzene	7	0.4 – 18	5.7	0.81	260105 1
Petroleum Hydrocarbons					
Diesel Fraction	429	0.073 – 19000	193	0.95	ST-219-06
Gasoline Fraction	122	0.11 – 73000	1081	0.68	ST-210-03
Total Petroleum Hydrocarbons[b]	34	103 – 61500	10363	3510	260401 1

Table 4-1 (continued). Summary of Concentration Data for Constituents Detected in Soils at Kirtland AFB (all concentrations in mg/kg)

Constituent	Number of Detections	Range	Mean	Median	Location of Maximum Value
Metals					
Aluminum	611	1150 – 24400	7699	7440	ST-246-02
Antimony	22	3.8 – 19000	879	7.2	ST-248-05
Arsenic	101	0.3 – 45.6	4.63	3.3	240201 1
Barium	611	16.6 – 2480	160	111	ST-221-03
Beryllium	600	0.11 – 6	0.5	0.45	240201 1
Cadmium	155	0.31 – 8	0.86	0.72	260401 1
Calcium	611	739 – 219000	36654	29300	ST-219-10
Chromium, Total	605	0.75 – 92	9.0	8.3	ST-219-04
Cobalt	610	1.4 – 53.9	6.0	5.8	240201 1
Copper	610	2 – 450	43	29	ST-237-01
Iron	611	1900 – 30200	12266	11700	260401 1
Lead	561	1.6 – 2570	32	6.7	260201 1
Magnesium	611	9.1 – 10900	4537	4480	ST-264-03
Manganese	611	32.3 – 1510	237	226	ST-266-06
Mercury	33	0.05 – 0.68	0.12	0.07	ST-263-01
Molybdenum	6	2.6 – 97.7	28.3	7.8	ST-261-02
Nickel	590	1.2 – 248	14.2	8.75	ST-217-03
Potassium	611	160 – 9520	1610	1470	250301 1
Selenium	12	0.39 – 80	14	9.6	ST-215-04
Silver	14	0.31 – 4.2	0.67	0.38	240201 1
Sodium	563	25.9 – 11000	233	140	240201 1
Thallium	6	0.21 – 402	69.4	0.33	ST-210-07
Tin	3	23 – 194	87.9	46.8	240201 1
Vanadium	611	3 – 78.6	27	27	240201 1
Zinc	611	7.8 – 594	51.9	41.5	260401 1

a Common laboratory contaminant

b USGS-investigated sites only

Table 4-2. Summary of Background Concentrations for Metals in Soils at Kirtland AFB (all concentrations in mg/kg)

Metal	Number of Samples	Number of Detections	Range	Mean	Median	UTL	Proposed HHRB Soil Action Level
Aluminum	60	60	86.1–15600	7717	7530	13300	N/A
Arsenic	57	8	<3–11.9	3.738	3	7.67	0.389
Barium	60	60	1.5–884	161.8	132.5	496	5600
Beryllium	60	59	<0.01–0.92	0.4701	0.44	0.82	0.163
Calcium	60	60	159–188000	41290	30800	119000	N/A
Cadmium	58	15	<0.01–1.2	0.3718	0.25	0.89	40
Cobalt	60	60	0.13–13.6	6.357	6.3	11.3	N/A
Chromium	60	60	0.15–16.6	8.431	8.1	14.9	400
Copper	60	60	0.48–322	42.53	29.5	135	N/A
Iron	60	60	223–22900	12360	11850	20900	N/A
Potassium	60	60	29.3–2770	1533	1455	2730	N/A
Magnesium	60	60	82.4–9930	4981.54	4800	8730	N/A
Manganese	60	60	3.2–528	237.1	228.5	435	400
Sodium	59	57	<1.5–802	209.4	151	519	N/A
Nickel	60	58	<0.13–121	13.40	8.05	54.4	1600
Lead	60	52	<0.03–63.6	6.857	6.5	22.9	400
Antimony	57	3	<10–40.3	11.16	10	21.8	32
Vanadium	60	60	0.53–49	29.38	29.8	49.2	N/A
Zinc	60	60	0.47–136	43.98	43.2	81.6	24000

4.2.1 Methodology for Determining Background Concentrations

The Upper Tolerance Limit (UTL) method of calculating an upper level of background concentrations (Lieberman, 1958) provides a useful benchmark for comparison purposes. Using this method, a concentration is calculated to separate expected background concentrations for a particular metal from those that indicate potential contamination. UTLs were calculated using all 60 background soil samples collected basewide rather than limiting the calculation to the site-specific background sample(s). The basewide background approach was chosen because of the need for at least three samples to calculate a UTL, and at least eight samples to calculate a meaningful UTL (USEPA, 1989). The disadvantage of combining all background samples is that spatial variability in the natural concentrations of metals may obscure site-specific elevated concentrations due to contamination. For example, if natural concentrations of a particular metal are high at the north end of the base but low at the southern end, the calculated UTL could be too high to recognize potential contamination in sites at the southern end. Conversely, some sites at the northern end with concentrations above the UTL could be falsely identified as contaminated. Despite this disadvantage, the calculation of the UTL using all background values is the best approach because of the following:

- Vertical stratigraphic variability (including that resulting from excavation and fill activities during installation of OWSs, drains, and USTs) can make direct comparison between site-specific background samples and other boreholes at the site inconclusive.
- No consistent horizontal variability in background concentrations of metals has been identified.
- In general, characteristics of Stage 2B sites suggest that metal contamination would be accompanied by organic contamination. This reduces the likelihood that significant metal contamination would go undetected.

It must be recognized that in comparisons with the UTL, which is approximately the 95th percentile of the background concentration, about 5 percent of values can be expected to exceed the UTL within the background or other noncontaminated samples. With more than 500 environmental samples and 10,000 individual analyses for metals, comparison with the UTL yields a significant number of "false positives."

4.2.2 Beryllium, Manganese, and Arsenic Levels

Beryllium, manganese, and arsenic were detected in numerous soil samples collected at Stage 2B sites across Kirtland AFB at levels approaching or exceeding the calculated HHRB action levels. Because of the presence of these three metals in elevated concentrations, several statistical analyses were performed to determine whether these are possibly the result of contamination.

The first test was to compare background metals values to those taken at the individual sites by using a two-sample heteroscedastic T-test. If a difference in mean values exists between metals concentrations in background and non-background samples, there is a possibility that high metals concentrations in the non-background samples could be the result of contamination. A probability value of $p = .05$ or less would indicate a statistically significant likelihood that the two sets of values have different means (i.e., are drawn from different populations); a value of $p = .95$ or greater indicates a statistically significant likelihood that the two sets of values have the same mean. Although the calculated probabilities (Table 4-3) from the T-tests do not conclusively indicate that the sample means are the same, they clearly reject the null hypothesis that the sample means are not equal.

Table 4-3. Results of Statistical Analyses of Beryllium, Manganese, and Arsenic Background Levels

Statistical Analysis	Beryllium[a]	Manganese[b]	Arsenic[c]
T-test comparing sample means	p= .55	p= .84	p= .89
Correlation coefficient comparing metal concentration and sample depth	r = –.12	r = –.13	r = .01
Correlation coefficient comparing metal concentration and TPH concentration	r = .03	r = .11	r = –.37

a Excludes elevated value in sample 240201 1 and samples taken during the hollow-stem auger sampling (analyzed using a lower detection limit)

b Excludes elevated value in sample 240201 1

c Excludes elevated value in sample ST-266-06, 18-20 ft

A second test was to determine if a relationship exists between metals concentrations and depth. If metals concentrations are the result of an unknown, basewide source (e.g., aerial deposition), concentrations would potentially be higher at the surface and decline with depth. Pearson product-moment correlation coefficients (r) were calculated by comparing the median sample depth to the metals concentrations (Table 4-3). At $|r| = .95$ or greater, a statistically significant relationship between depth and the metal concentration exists; values near zero indicate no relationship. The three correlation coefficients range from –.13 to .01, indicating a very low likelihood that a relationship between metal concentrations and depth exists.

As stated above, the operational history of the majority of sites suggests that inorganic contamination would be accompanied by organic contamination. In the final test, Pearson product-moment correlation coefficients (r) were again calculated by comparing TPH concentrations (a broad measure of the type of organic contamination expected) to concentrations of beryllium, manganese, and arsenic (Table 4-3). A log transform was performed on TPH concentrations since these had a log-normal distribution. At $|r| = .95$ or greater, a statistically significant relationship between TPH and the metal concentrations

exists; values near zero indicate no relationship. The correlation coefficients for beryllium and manganese are at or below | r | = .11, indicating a very low likelihood that a relationship between these metals and TPH concentrations exists. The value for arsenic of r = –.37 indicates a very weak *inverse* correlation between arsenic and TPH concentrations, probably a statistical aberration.

While no test can "prove" that the levels of beryllium, manganese, and arsenic are not the result of contamination, the three tests strongly indicate that these metals are naturally occurring at concentrations exceeding HHRB action levels at Kirtland AFB.

4.3 Nature of Contamination

The sites investigated in the Stage 2B RFI consisted primarily of OWSs, waste oil and fuel USTs, and area drains associated with aircraft and vehicle maintenance. Sources of potential contamination were sampled and characterized by the USGS and subcontractors (USGS, 1993). Potential contaminants consist primarily of: petroleum hydrocarbon fuels and associated hazardous constituents (e.g., benzene, toluene, ethyl benzene, and xylenes), fuel combustion residuals, PAHs, cleaning solvents, and metals.

Details of the nature and extent of contamination are presented on a site-specific basis in Sections 5.0 through 49.0. Each of these sections contains an analytical result summary of the organic and inorganic compounds detected in environmental samples for the 1994 investigation at that site. Full analytical results for all environmental samples collected at Kirtland AFB are provided as Appendix G.

4.3.1 Fate and Transport

The fate and transport of site contaminants are determined on the basis of various chemical and physical properties. Literature or calculated values for such properties as specific gravity, vapor pressure, and solubility can indicate a contaminant's potential interaction with other environmental media (e.g., soil, water, and air), particularly if site-specific lithology and soil properties are known.

This section contains general discussions about physical properties of contaminants detected during site investigations at Kirtland AFB, and the fate and transport for related classes of chemicals detected. Site-specific discussions of contaminants detected and release mechanisms are provided in the appropriate site investigation sections.

4.3.1.1 Chemical and Physical Properties of Detected Contaminants

Organic constituents, including petroleum hydrocarbons, toluenes, xylenes, trichloroethylene, and tetrachloroethylene, were detected. Petroleum hydrocarbons were measured in environmental soil samples from four sites at concentrations greater than 100 mg/kg and up to 49,000 mg/kg. The

maximum toluene concentration was 770 mg/kg. The maximum concentration for xylenes was 250 mg/kg. Trichloroethylene and tetrachloroethylene were measured at maximum concentrations of 120 mg/kg and 7,000 mg/kg, respectively, in soils at one site. Other low level (<1 mg/kg) organic contaminants detected in environmental samples at several sites included: phenol, benzene, benzo(a)pyrene, methyene chloride, acetone, methyl ethyl ketone, methyl isobutyl ketone, and phthalates (common laboratory contaminants). Elements detected above calculated HHRB action levels or background UTLs included antimony, silver (USGS, 1994a), beryllium, manganese, and arsenic. Chemical and physical properties for all organic constituents detected at Kirtland AFB are provided in Table 4-4. Properties for the inorganic constituents detected are summarized in Table 4-5. A brief summary of each property (e.g., specific gravity, solubility, etc.) and its significance to the fate and transport of the identified compounds or compound class is given below. Many properties are water-related and may not impact the current investigation; however, they are presented for information as they may be considered during CMS or residual or baseline risk in reference to site-specific constituents.

Specific Gravity

Specific gravity is temperature dependent and is the ratio of the weight of a given volume of chemical (in its pure state) to the weight of distilled water at the same volume. Constituents having specific gravities less than one will float, while compounds with specific gravities greater than one will sink. This property can be used to help predict the interaction of compounds in groundwater and soil moisture. Soil was the medium investigated during Stage 2B.

Of all the organic compounds detected in the soils at the nine Kirtland AFB sites recommended for further investigation or a CMS in this study, those having specific gravities less than one include acetone, toluene, ethylbenzene, xylenes, and bis(2-ethylhexyl)phthalate. These compounds will have a greater tendency to volatilize and impact air quality; however, worst case soil concentrations should result in negligible air quality impact.

Vapor Pressure

Vapor pressure is temperature dependent and is the amount of pressure exerted on the atmosphere by a compound in its gaseous state. This property is a measure of a compound's ability to volatilize. A compound with a higher vapor pressure is more volatile than a compound with a lower vapor pressure. Vapor pressure is important when evaluating the migration of contaminants from environmental interfaces (e.g., soil/air). Inorganics are not considered volatile.

Table 4-4. Environmental Fate and Transport Parameters for Organic Compounds
Kirtland Air Force Base, New Mexico

CAS Number	Chemical	Molecular Weight[a,b] (g/mole)	Specific Gravity[b] (20/4°C)	Vapor Pressure[a] (mm Hg @ 20°C)	Water Solubility[a] (mg/L @ 20°C)	Octanol/ Water Partition Coefficient[a] (K_{ow})	Organic Carbon Partition Coefficient[a] (K_{oc})	Henry's Law Constant[a] (atm-m^3/mole)	Bioconcentration Factor[a] (L/kg)
Halogenated Aliphatic Hydrocarbons:									
75-09-2	Methylene chloride	84.93	1.327	362	20,000	20	8.8	2.03×10^{-3}	5
67-66-3	Chloroform	119.38	1.4832	150.5	8,200	91	31	2.87×10^{-3}	3.75
71-55-6	1,1,1-Trichloroethane	133.41	1.350	123	1,500	320	152	1.44×10^{-2}	5.6
107-06-2	1,2-Dichloroethane	98.96	1.250	64	8,520	30	14	9.78×10^{-4}	1.2
79-00-5	1,1,2-Trichloroethane	133.41	1.44	19	4,500	117	56	1.17×10^{-3}	5
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.60	5	2,900	245	118	3.8×10^{-4}	42
74-83-9	Bromomethane	94.94	1.6755	NA	NA	NA	NA		NA
75-25-2	Bromoform	252.75	2.8899	5	3,000	251	116	5.52×10^{-4}	NA
78-87-5	1.2-Dichloropropane	113	1.43	42	1,270	100	51	2.31×10^{-3}	NA
127-18-4	Tetrachloroethylene	165.83	1.626	18	150	398	364	2.59×10^{-2}	30.6
79-01-6	Trichloroethylene	131.39	1.4642	57.9	1,100	240	126	9.1×10^{-3}	10.6
Ketones:									
67-64-1	Acetone	58.08	0.7899	270	1.0×10^{-6}	0.57	2.2	2.06×10^{-5}	NA
78-93-3	Methyl Ethyl Ketone	72.11	0.8054	77	268,000	1.95	1.8	2.74×10^{-5}	0
591-78-6	2-Hexanone	100.16	0.8113	2	35,000	24	75	1.75×10^{-3} [b]	NA
108-10-1	Methyl Isobutyl Ketone	100.16	0.7978	10	19,100	15.4	113	1.49×10^{-5} [b]	NA

Table 4-4. Environmental Fate and Transport Parameters for Organic Compounds Kirtland Air Force Base, New Mexico (continued)

CAS Number	Chemical	Molecular Weight[a,b] (g/mole)	Specific Gravity[b] (20/4°C)	Vapor Pressure[a] (mm Hg @ 20°C)	Water Solubility[a] (mg/L @ 20°C)	Octanol/ Water Partition Coefficient[a] (K_{ow})	Organic Carbon Partition Coefficient[a] (K_{oc})	Henry's Law Constant[a] (atm-m^3/mole)	Bioconcentration Factor[a] (L/kg)
Monocyclic Aromatics:									
71-43-2	Benzene	78.12	0.8765	95.2 (25°C)	1,750 (25°C)	132	83	5.59×10^{-3}	5.2
108-90-7	Chlorobenzene	112.56	1.1058	11.7	466 (25°C)	690	330	3.72×10^{-3}	10.3
100-41-4	Ethylbenzene	106.16	0.8670	7	152	1,412	1,100	6.43×10^{-3}	37.5
108-88-3	Toluene	92.13	0.8669	28	534.8 (25°C)	537	300	6.66×10^{-3}	10.7
108-95-2	Phenol	94.11	1.070	0.341(25°C)	93,000(25°C)	29	14.2	4.54×10^{-7}	1.4
87-86-5	Pentachlorophenol	266	1.928	1.1×10^{-4}	14	100,000	53,000	2.75×10^{-6}	770
1330-20-7	Xylenes	106.16	0.870	10	998	1,820	240	7.04×10^{-3}	NA
Phthalate Esters:									
84-74--2	Di-n-butyl phthalate	278.3	1.0465	1.0×10^{-5} (25°C)	13 (25°C)	398,000	170,000	2.82×10^{-7}	89
117-81-7	bis(2-Ethylhexyl) phthalate	391	0.99 (20/20°C)	2×10^{-7}	0.4 (25°C)	4.1×10^{9}	2.0×10^{9}	3×10^{-7}	130
Polynuclear Aromatic Hydrocarbons (PAHs):									
56-55-3	Benzo(a)anthracene	228.3	1.274	2.2×10^{-8}	5.7×10^{-3}	3.98×10^{7}	1.36×10^{6}	1×10^{-6}	30 [f]
50-32-8	Benzo(a)pyrene	252	1.351	5.6×10^{-9} (25°C)	3.8×10^{-3} (25°C)	1.15×10^{6}	5.5×10^{6}	4.9×10^{-7}	30
205-99-2	Benzo(b)fluoranthene	252.3	NA	5×10^{-7}	0.014 (25°C)	1.15×10^{6}	550,000	1.22×10^{-5}	30 [c]
218-01-9	Chrysene	228.3	1.274	6.3×10^{-9} (25°C)	1.8×10^{-3} (25°C)	410,000	200,000	1.05×10^{-6}	30 [c]

Table 4-4. Environmental Fate and Transport Parameters for Organic Compounds Kirtland Air Force Base, New Mexico (continued)

CAS Number	Chemical	Molecular Weight[a,b] (g/mole)	Specific Gravity[b] (20/4°C)	Vapor Pressure[a] (mm Hg @ 20°C)	Water Solubility[a] (mg/L @ 20°C)	Octanol/ Water Partition Coefficient[a] (K_{ow})	Organic Carbon Partition Coefficient[a] (K_{oc})	Henry's Law Constant[a] (atm-m^3/mole)	Bioconcentration Factor[a] (L/kg)
Polynuclear Aromatic Hydrocarbons (PAHs):									
206-44-0	Fluoranthene	202.3	1.252	5.0×10^{-6}	0.26 (25°C)	79,000	38,000	6.5×10^{-6}	1150
86-73-7	Fluorene	116.2	1.202	7.1×10^{-4}	1.69 (25°C)	15,800	7,300	6.4×10^{-5}	1,500
91-57-6	2-Methylnaphthalene	142.20[b]	1.0058	10 (105°C)[b]	26 (25°C)[b]	0.46	2.2/3.82	4.99×10^{-4}[b]	NA
91-20-3	Naphthalene	128.2	1.162	0.087 (25°C)	31.7 (25°C)	1,950	940	4.6×10^{-4}	10.5
85-01-08	Phenanthrene	178.2	0.9800	6.8×10^{-4}	1.00 (25°C)	28,800	14,000	1.59×10^{-4}	2630
129-00-0	Pyrene	202.3	1.271 (23/4°C)	2.5×10^{-6} (25°C)	0.13 (25°C)	75,900	38,000	5.04×10^{-6}	30[c]
Miscellaneous Organic Compounds									
132-64-9	Dibenzofuran	168.1	1.09	NA	<1	4,000	11,000	NA	1,350
75-15-0	Carbon disulfide	76.14	1.263	360	2,940	100	54	1.23×10^{-2}	0

NA Not Available
a Superfund Public Health Evaluation Manual, 1986.
b Handbook of Chemistry and Physics, 1979.
c The BCF for this PAH is assumed to be the same as the BCF for benzo(a)pyrene.

Table 4-5. Environmental Fate And Transport Parameters For Inorganic Compounds Kirtland Air Force Base, New Mexico

Analyte	Molecular Weight (g/mole)	Soil/Water Distribution Coefficient (K^d)[a] (ml/g)	Bioconcentration Factor (BCF)[b] (l/kg)
Antimony	121.75	NA	NA
Arsenic	74.92	1.0 - 8.3	44
Barium	137.34	NA	NA
Beryllium	9.01	NA	19
Cadmium	112.4	1.3 - 27	64
Chromium (total)	52	470 - 150,000	16
Cobalt	58.93	0.2 - 3,800	NA
Copper	63.54	1.4 - 333	36
Lead	207.19	4.5 - 7,640	NA
Manganese	54.94	0.2 - 10,000	NA
Nickel	58.71	NA	NA
Selenium	78.96	1.2 - 8.6	4.8
Silver	107.87	10 - 1,000	0.5
Thallium	204.37	NA	116
Vanadium	50.94	NA	NA
Zinc	65.38	0.1 - 8,000	47

NA Not Available.
a Distribution ranges are presented (Dragun, 1988).
b USEPA, 1991. The BCF for each chemical reported as "NA" is assumed to be 1.0.

Halogenated aliphatic hydrocarbons, ketones, and monocyclic aromatics are more volatile than polynuclear aromatic hydrocarbons (PAHs).

Solubility

Solubility is the maximum amount of mass of an organic compound or element that will dissolve into a given volume of solvent or water. The rate at which a constituent is leached by infiltrating precipitation is directly proportional to its water solubility. More soluble compounds/elements are more readily leached than less soluble chemicals.

Most of the volatile organics detected at Kirtland AFB, especially methyl ethyl ketone, 2-hexanone, and methyl isobutyl ketone, are highly soluble compared to PAH contaminants.

Octanol/Water Partition Coefficient

The octanol/water partition coefficient (K_{ow}) is a measure of the extent of partitioning between octanol and water at equilibrium. The K_{ow} can be used to predict the bioconcentration of a chemical in aquatic organisms since a linear relationship exists between the K_{ow} and the uptake of chemicals by fatty tissues of animals and human (Lyman et al., 1990). The K_{ow} is also useful in characterizing the sorption of compounds by organic soils where experimental values are not available. Generally, chemicals with higher K_{ow} values prefer the sorbed phase rather that the dissolved phase.

Of all the organic compounds detected in environmental media at Kirtland AFB, benzene-related compounds and PAHs have the highest octanol/water partitioning coefficients.

Organic Carbon Partition Coefficient

The organic carbon partition coefficient (K_{oc}) defines the extent of partitioning between organic carbon and water at equilibrium. The K_{oc} can be used to predict the rate of mobility of a contaminant in groundwater. Those chemicals with higher K_{oc} values are more inclined to bind to organic soil and sediment.

Several PAHs and monocyclic aromatics were detected in the soil at Kirtland AFB. The K_{oc} values for these chemicals are relatively high; therefore, these contaminants are expected to be less mobile in the environment.

Henry's Law Constant

The Henry's Law constant, which is the ratio of the vapor pressure and water solubility, is a measure of the extent of partitioning between air and water at equilibrium. This property

characterizes the volatility of a particular chemical and can be used to determine the likelihood of migration of groundwater and surface water contaminants to the surrounding atmosphere. Chemicals with higher Henry's Law constants are more volatile; chemicals with Henry's Law constants greater than 5×10^{-3} are expected to be found in the atmosphere or the soil gas.

Ethylbenzene, toluene, benzene, tetrachloroethylene, and trichloroethylene are soil contaminants at the base which have relatively high vapor pressures and Henry's Law constants greater than 5×10^{-3}. These compounds are expected to migrate through the soil as soil gas.

Bioconcentration Factor

The Bioconcentration Factor (BCF) is the ratio of aquatic-animal-tissue concentration to water concentration and is both chemical- and species-specific. BCFs indicate the ability of a chemical to accumulate in living tissue. The higher the BCF the greater the accumulation. When site-specific values are not measured, literature values are used or the BCF is estimated from the K_{ow}.

Distribution Coefficient

The distribution coefficient (K_d) is a measure of the equilibrium partitioning between soil and water of a chemical or ion. The distribution of organic chemicals is a function of both the K_{oc} and the amount of organic carbon in soil. The K_d for an inorganic present in its ionic state is the ratio of the concentration adsorbed on soil surfaces to the concentration in water. Coulomb's Law predicts that the ion with the smallest hydrated radius and the largest charge will be preferentially accumulated over ions with radii and smaller charges. Consequently, the K_d values for metals can vary greatly depending on ionic states and the amount of organic carbon in the soil. Elements with higher K_d values are more likely to bind to soil rather than disperse or dissolve in water.

4.3.1.2 Persistence of Detected Contaminants

The persistence of various classes of organic compounds identified above and in site-specific discussions (Sections 5.0 through 49.0) are included in this section. Several transformation and release mechanisms affect contaminant persistence (e.g., hydrolysis, photolysis, biodegradation, volatilization, oxidation/reduction). The following general classes of organic compounds and elements are discussed:

- Halogenated aliphatic hydrocarbons
- Ketones
- Monocyclic aromatics
- Phenols

- Phthalate esters
- Polynuclear aromatic hydrocarbons
- Inorganics

Halogenated Aliphatic Hydrocarbons

The presence of halogenated solvents including trichloroethylene and tetrachloroethylene is apparently related to their former common use on the Base in vehicle and fuel system cleaning and maintenance. Volatilization is an important mechanism of contaminant release when discussing this class of chemicals. The life of trichloroethylene and tetrachloroethylene is 3 to 5 months in a reducing atmosphere, under anaerobic bacterial activity, where they degrade to isomers of dichloroethylene, trichloroethane, tetrachloroethane, dichloroethane, and finally vinyl chloride, which is the most persistent (approximately 10 years). However, in arid, basic soils, the degradation process is significantly impeded (Lyman et al., 1990), accounting for the limited detection of degradation products.

Ketones

Ketones are highly soluble in water. Volatilization of ketones is significant. The volatilization from soil depends on vapor pressure, while the volatilization from water depends on Henry's law constant. Biodegradation is an important fate process for acetone in soil. It should be noted that most ketones detected in environmental samples were at very low concentrations and were probably the result of laboratory contamination (e.g., acetone and related impurities and breakdown products from sample preparation, methyl ethyl ketone, methyl isobutyl ketone, 2-hexanone).

Monocyclic Aromatics

Monocyclic aromatics such as benzene, toluene, ethylbenzene, and xylenes are not considered to be persistent compounds in the environment compared to PAHs and metals. In general, the most significant fate process for these compounds is volatilization or microbial degradation. The biodegradation of these compounds in the soil matrix is dependent on the abundance of microflora, macronutrient availability, soil pH, and temperature. While these compounds are amenable to microbial degradation, it is not anticipated that degradation will occur naturally at an appreciable rate as the arid soil characteristics at Kirtland AFB do not readily support natural degradation.

Phenols

Non-halogenated phenolic compounds are relatively susceptible to biodegradation in unsaturated soils. The presence of phenols in the environment is relatively uncommon because their use is limited, they have a high solubility in water, and they demonstrate high susceptibility to microbial degradation. Phenols may have been used at Kirtland AFB in the past for various aircraft maintenance activities, predominantly as a paint remover.

Phthalate Esters

Phthalate esters are considered to be relatively persistent environmental contaminants. Phthalate esters are usually detected at very high concentrations associated with industrial landfills; however, they are also common laboratory contaminants, which is the more probable cause for the low levels detected in Stage 2B RFI samples. Although numerous studies have demonstrated that phthalate esters undergo biodegradation, the process is slow. Certain microorganisms have been shown to excrete products that increase the solubility of phthalates and enhance their biodegradation (Gibbons and Alexander, 1989). Biodegradation is an important fate mechanism, as is bioaccumulation. Hydrolysis of phthalate esters is slow, with calculated half-lives of 3 to 2,000 years [bis-2-(ethyl hexyl)phthalate] (USEPA, 1979). Similarly, photolysis is considered to be an insignificant degradation mechanism (USEPA, 1982).

Polynuclear Aromatic Hydrocarbons (PAHs)

PAHs are common constituents of oil and grease. Solubilities of PAHs are generally low. Volatilization from a given media is a more significant fate process for PAHs with low molecular weights (e.g., fluorene, fluoranthene, phenanthrene) than for higher molecular weight PAHs (such as benzo(a)anthracene). Once PAHs have become entrained in organic matter in soil, they become less mobile in the environment. PAHs do not contain functional groups susceptible to hydrolytic interaction, making hydrolysis an insignificant mechanism. And while susceptible to photolytic degradation, subsurface contamination precludes natural photolysis. Studies have demonstrated that PAHs are amenable to microbial degradation in soil matrices (USEPA, 1979). PAH contamination levels are low and were detected at a limited number of sites investigated. Since it is probable that nutrient availability at contaminated sites is low, microbial populations may be small.

Inorganics

Metals are considered to be persistent contaminants in soil and sediment matrices. Adsorption to organic matter in soil is indicated by K_d values. Lead is the most strongly adsorbed inorganic.

The relative retention of several metals in soil is, from most to least, as follows: lead, antimony, copper, chromium, zinc, nickel, cobalt, cadmium.

Inorganics can become soluble and may leach into groundwater under certain conditions (i.e., low pH of the leaching solution and low organic matter content of soil). Specific conditions increasing the possibility of the leaching of inorganic analytes include high contaminant concentrations, the presence of soluble chelating agents, and acid rain. High soil pH and predominantly low or absent organic contaminants at a site would seem to preclude leaching of any inorganic contaminants. Areal site geology is variable and enriched with heavy metals including arsenic, beryllium, and uranium (US Bureau of Mines, 1994).

5.0 Site WP-47, Silver Recovery Units

5.1 Site Background and Environmental Setting

The silver recovery units were investigated on September 21-22, 1993. The information provided in this section was obtained from USGS unpublished records (USGS, 1994a).

The silver recovery units discharge into four floor drains located in the Kirtland AFB Photographic Laboratory in the northern section of building 1000 (Figure 5-1). One drain is in room 128, two drains are in room 116, and one drain is in room 132. The silver recovery units electrolytically recover silver using a special cartridge from spent "fixer," a solution used in the photographic development process. The spent fixer is stored in plastic containers until it is processed, and the cartridge is periodically replaced. Wastewater from the recovery units discharges into the adjacent floor drains, ultimately flowing to the sanitary sewer located on the north side of the building. If a silver recovery unit malfunctions or operates inefficiently, silver-laden solution could be discharged. Discharge from these units is regulated by a pre-treatment agreement with the City of Albuquerque, governing discharge to the city sanitary sewer. If these units were to leak or the drains become blocked, runoff would probably be confined to the building interior.

Processed fixer fluids include about 10 gallons per year from the Air National Guard Photographic Laboratory, building 1055, and 10 gallons per month from the Naval Weapons Evaluation Facility Photographic Laboratory, building 1002.

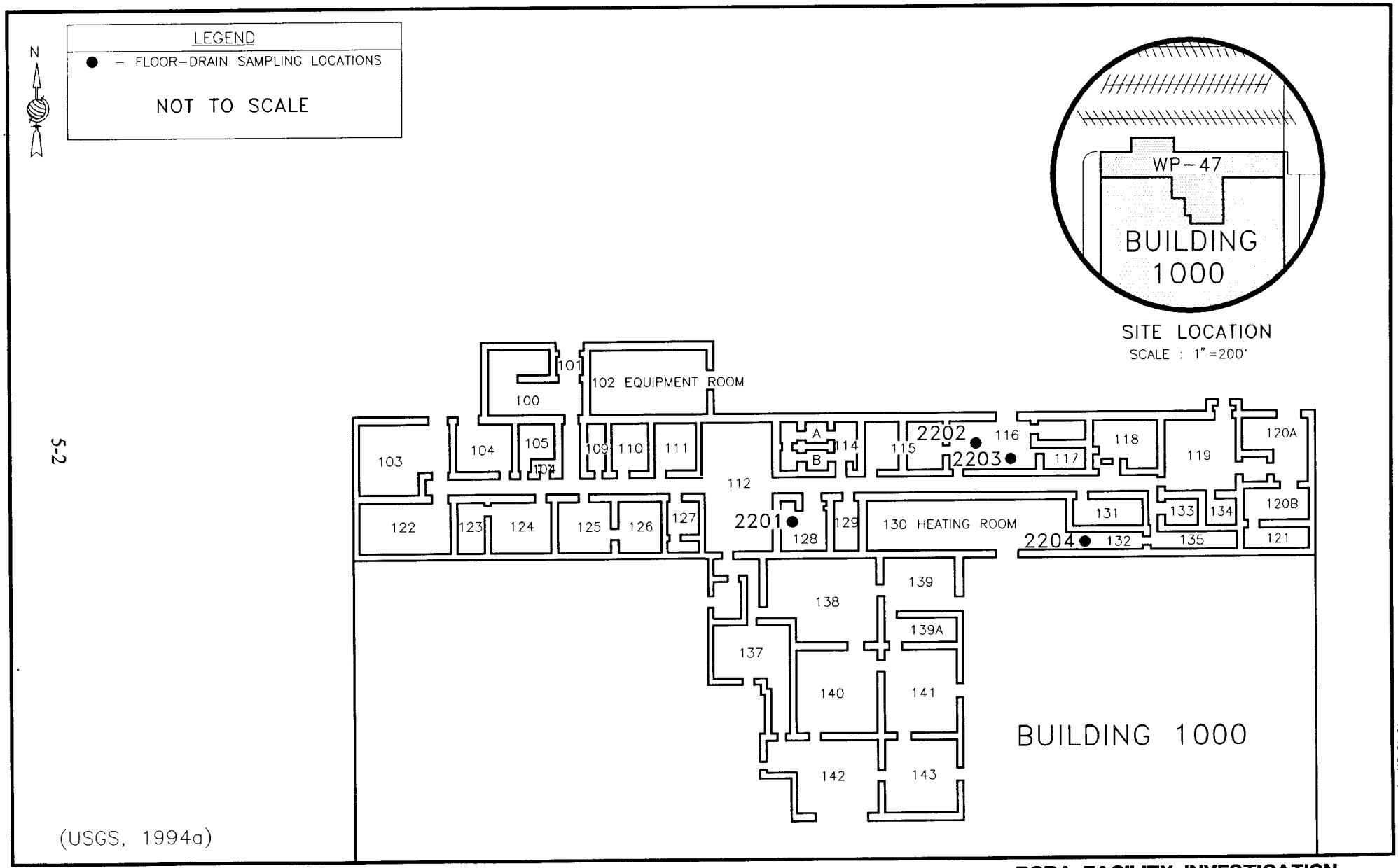
The drain in room 132 has been inactive for several years. The silver recovery units have been active intermittently at the other three locations. No drains were receiving wastewater at the time of sampling in September 1993. It is not known how long the recovery units have been in operation (USGS, 1993).

Building 1000 is located in the urban/industrial environmental zone. This environmental setting is discussed in Section 2.0. This area of Kirtland AFB houses two production wells: KAFB-14 is 450 ft northwest of the site and KAFB-2 is 4,500 ft to the southeast (Figure 2-11).

5.2 Study Area Investigation

5.2.1 Previous Investigations

Possible source materials were not investigated in this study and have not been sampled in the past.



5-2

SAMPLING LOCATIONS AT SILVER RECOVERY UNIT WP-47, BUILDING 1000

FIGURE 5-1

RCRA FACILITY INVESTIGATION
STAGE 2B
KIRTLAND AIR FORCE BASE, NEW MEXICO

5.2.2 Data Gaps

The main objective of this investigation was to determine if silver was present in the floor drains at concentrations greater than Human Health Risk-Based (HHRB) action level. A secondary objective was to determine the drains' outflow destination and potential surface overflow runoff destination.

5.2.3 RFI Field Investigation

On September 21–22, 1993, sediment samples were collected from the traps in each of the four floor drains. Aqueous fractions from three of the traps were also collected. Samples were collected using a plastic scoop or peristaltic pump and designated as 2201, 2202, 2203, and 2204 (Figure 5-1). Tap water had been flowing into the floor drains at locations 2201, 2202, and 2203 prior to sampling. The aqueous and sediment fractions of the samples from these locations were separated at the laboratory. The sample from 2204 consisted of dry pieces of corroded iron piping (rust). No representative background samples were obtained at this site (USGS, 1994a).

5.2.4 Laboratory Analysis

Four sediment samples, one field replicate, and three samples of the aqueous fractions from sediment samples were collected at this site. These samples were analyzed only for silver, the expected contaminant associated with normal operations at this facility.

5.3 Site Characteristics

5.3.1 Geology

The silver recovery units are indoors and above ground. The investigation involved only the collection of samples from the drains. Because of the limited scope of work, subsurface geologic data were not obtained.

5.3.2 Hydrogeology

Groundwater beneath this area is found within the Upper Santa Fe Group sediments and is generally thought to be unconfined in the upper portion of the aquifer. This area is within the HR1 saturated zone setting as defined by SNL studies (Figure 2-9) (SNL, 1994). Hydrologic characterization in this portion of Kirtland AFB is complicated by the presence of numerous production wells (Figure 2-11). It is probable that this region does not have uniform groundwater conditions. Local cones of

depression associated with groundwater withdrawal have altered the groundwater flow direction in the vicinity of the well fields (Figure 2-7).

The gradient is probably north-northeast in this area of Kirtland AFB. This area's two production wells include well KAFB-14, which appears to be cross gradient or upgradient 450 ft northeast of the site, and well KAFB-02, which appears to be cross gradient 4,500 ft southeast of the site (Figures 2-7 and 2-11). Depth to groundwater is estimated to be approximately 350 ft below grade (Figure 2-10); however, shallower perched water zones may occur. Hydraulic conductivity within HR1 is estimated at 2 to 171 ft/day (SNL, 1994). A general discussion of the hydrogeology at Kirtland AFB is presented in Section 2.5.

5.4 Nature and Extent of Contamination

This section describes the nature and extent of contamination based on sampling results. Analytical results for the sediment and water samples collected at WP-47 are summarized in Table 5-1, where only the reportable concentrations are listed. Full analytical results are provided in an Informal Technical Information Report, dated February 1994, submitted to AFCEE and Kirtland AFB (USGS, 1994b).

Metals

Silver was detected above the HHRB action level of 400 mg/kg in the sediment sample and replicate sample collected from location 2201 and the sediment sample collected at 2202. Silver was present at 412,000 and 241,000 mg/kg, respectively, in the sample and replicate from 2201, and 6,330 mg/kg in sample 2202 (Table 5-1).

Silver was also present in the aqueous samples from 2202 and 2203 and the replicate sample at 2201. Concentrations ranged from 0.00065 to 0.0072 mg/L. These concentrations are below the HHRB action level of 0.05 mg/L and also the Secondary Maximum Contaminant Level (SMCL) of 0.1 mg/L. Silver was not detected in the aqueous sample collected at 2201.

5.5 Conclusions and Recommendations

Conclusions

- Results of the sediment sample analyses indicate that silver was present significantly above the HHRB action level in samples collected from drains 2201 and 2202.

Table 5-1. **Summary of reportable concentrations for sample analyses[A] at Floor Drains, Silver Recovery Units WP-47, Kirtland AFB, New Mexico**

[Concentrations (mg/kg) and (mg/L)]

Chemical Class	Analyte	UTL	HHRB Action Level*	Matrix**	Field Sample Identification				
					220102 2	*220103 2 (FR 220102 2)*	*220201 2*	*220301 2*	*220401 2*
METALS (SW7761)	Silver	N/A	0.05	Water	ND	0.00065	0.0040 J	0.0072	--
			400	Sediment	412000	241000	6330	68.5	--
				Rust	--	--	--	--	14.8

A; These environmental samples were collected from the floor drain sediment traps.

**; Indicates the aqueous, sediment and rust portion of a single environmental sample was separated at the laboratory, and each matrix was analyzed and reported separately.

*;New Mexico Water Quality Control Commission groundwater standard.

- Silver concentrations were below the HHRB action level in all aqueous samples collected at the site.

Recommendations

- As a corrective measures action the drains should be cleaned with a high-pressure washer or other method to remove the silver. The effluent from the cleaning effort should be collected and disposed of properly.

- Additional sediment samples should be obtained from the closest downstream manhole locations from drains 2201 and 2202. The analytical parameters should be expanded to include other potential contaminants associated with photographic laboratories.

- A monitoring program for the recovery units should be instituted to prevent overloading or ineffective filter operation and additional silver-laden fluid discharges.

6.0 Site ST-270, Buried Caustic Drain Line; ST-271, Neutralization Pit; and ST-272, Evaporation/Infiltration Pond

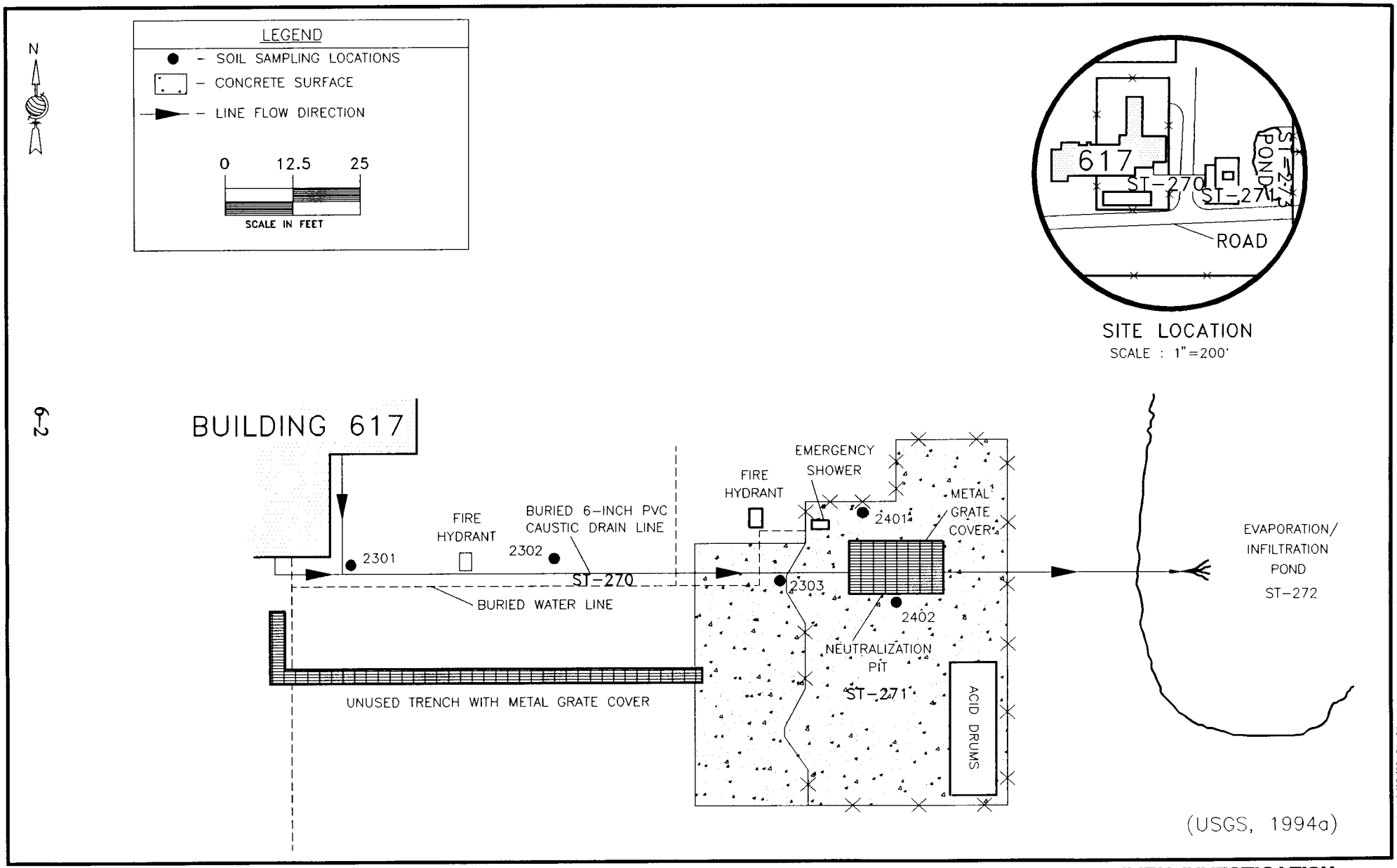
6.1 Site Background and Environmental Setting

These sites are in the western portion of Kirtland AFB on the east side of building 617. This building contains the currently active AFWL/Phillips Laboratory Chemical Laser Facility, which has been operating since about 1974. These sites were investigated from September 9 to 17, 1993, and on February 3, 1994. The information provided in this section was obtained from USGS unpublished records (USGS, 1994a).

The caustic drain line (ST-270) is constructed of 6-inch polyvinyl chloride (PVC) pipe. A south-flowing drain originates inside building 617 and an east-flowing drain originates along the southern edge of the building; the drains join near the southeastern corner of the building (Figure 6-1). The east-flowing drain line is buried (base of pipe) approximately 0.7 ft at its origin. The base of the drain pipe is approximately 2.2 ft bgs where it discharges into the neutralization pit. The drain conveys diluted, spent laser fuel from the building 617 complex. The laser fuel is an equal mixture of hydrogen peroxide (70 percent semiconductor grade) fixed with potassium hydroxide. Deuterated hydrogen peroxide has also been used in small amounts. When the fuel is depleted, it is flushed out of the laser with tap water and pumped into the caustic drain. The depleted fuel has a very high pH. In addition to the spent laser fuel, the drain conveys liquid wastes received from scrubbers in building 617. Potassium hydroxide is used to scrub chlorine and iodine gases.

The neutralization pit (ST-271) is a concrete box that receives waste from the caustic drain line (ST-270) (Figure 6-2). The box measures 8.5 ft wide by 16.5 ft long by 6.1 ft deep. The top of the pit is open to the atmosphere and covered with a metal grate. The base of the pit is concrete, approximately 1 ft thick, and the thickness of the walls is unknown. The concrete pit is visibly pitted on the base and the lower part of the walls, but no cracks or holes are visible. In the neutralization pit, the depleted laser fuel and/or scrubber wastes are neutralized by adding either hydrochloric or sulfuric acid until the pH is reduced to 7.0. In the past, nitric acid may have been used as the neutralizing agent. The pH neutral water is then pumped out of the pit and into the evaporation/infiltration pond.

The evaporation/infiltration pond (ST-272) is about 40 ft wide, 120 ft long, and 6 ft deep at the center (Figure 6-1). Neutralized water flows into the pond through a 2.5-in. PVC pipe located in the southwest portion of the pond. The pond is estimated to receive approximately 400,000

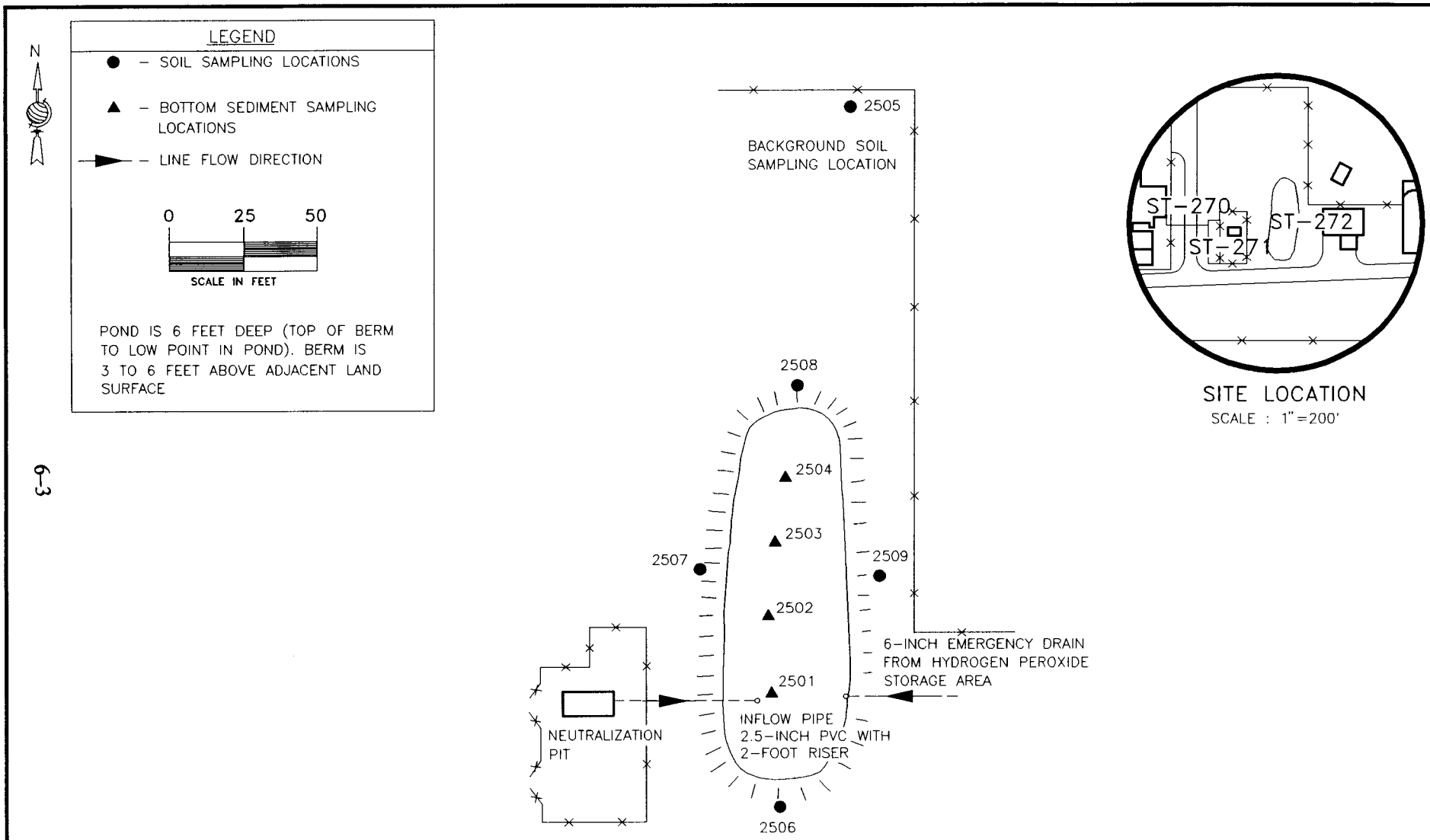


6-2

SOIL SAMPLING LOCATIONS AT BURIED CAUSTIC DRAIN LINE ST-270 AND NEUTRALIZATION PIT ST-271, BUILDING 617

FIGURE 6-1

RCRA FACILITY INVESTIGATION STAGE 2B KIRTLAND AIR FORCE BASE, NEW MEXICO



6-3

SOIL SAMPLING LOCATIONS AT EVAPORATION/INFILTRATION POND ST-272

FIGURE 6-2

RCRA FACILITY INVESTIGATION
STAGE 2B
KIRTLAND AIR FORCE BASE, NEW MEXICO

gallons of neutralized water per year. The water evaporates and infiltrates into the subsurface, which is predominantly fine sand.

The pond is currently regulated by the NMED Groundwater Protection and Remediation Bureau. Kirtland AFB, which has an approved discharge plan for this site, provides the NMED with semiannual reports that include pond water analytical results and a daily summary of neutralization pit discharges to the pond. The NMED also requires that pond water be analyzed semiannually for dissolved solids, chloride, potassium, and sulfate.

Sites ST-270, ST-271, and ST-272 are located in the urban/industrial zone. The geologic setting is discussed in Section 2.0. Two production wells exist in this area of Kirtland AFB: KAFB-14 is 3,800 ft to the north and KAFB-2 is 4,100 ft to the east-northeast (Figure 2-11). If these units were to overflow, runoff would probably be confined to the local area.

6.2 Study Area Investigation

Possible source materials were not investigated in this study.

6.2.1 Previous Investigations

No previous investigations have been performed at these sites.

6.2.2 Data Gaps

The main objectives of this investigation were to determine if contamination is present in the subsurface soil at any of the three units and potential overflow runoff destinations.

6.2.3 RFI Field Investigation

To investigate the caustic drain line, ST-270, three boreholes (2301, 2302, and 2303) were drilled and sampled using a Geoprobe system on September 15, 1993 (Figure 6-1). Boreholes were located approximately 2 ft to the side of the caustic drain line. Composite soil samples were collected from a 2-ft interval beneath the base of the drain.

Two boreholes (2401 and 2402) were drilled adjacent to the neutralization pit, ST-271, using a Geoprobe system. Borehole 2401 is 6.8 ft north of the pit because the drilling equipment could not be maneuvered closer along the north side. Borehole 2402 is approximately 1 ft south of the pit (Figure 6-1). One composite soil sample was collected from 2401 from the 12- to 14-ft-depth

interval, and two composite soil samples were collected from 2402 at depths of 9.1 to 11 ft and 14.5 to 16.5 ft bgs.

Bottom sediment samples were collected at four locations (2501, 2502, 2503, and 2504) in the evaporation/infiltration pond, ST-272 (Figure 6-2). At the time of sampling (September 9, 1993), about 1 ft of water was in the pond at the sampling locations so that boreholes could not be completed as planned. Borehole 2505 was drilled to the north of the evaporation/infiltration pond to collect background concentration data for these sites. Boreholes 2506 through 2509 were drilled around the perimeter of the evaporation/infiltration pond. Shallow surface soil samples and composite samples from 8.0 to 10.0 ft bgs were collected. Sampling operations and sample handling procedures are summarized in Section 3.0 of this report.

Borehole locations, sample depths, and replicate samples collected for sites near building 617 are listed in Table 6-1. Borehole logs were not completed for the borings drilled at these sites.

Table 6-1. Boreholes and Samples Collected at ST-270, ST-271, and ST-272

Site	Borehole	Borehole Location	Sample Depths (ft)
ST-270	2301	North of the caustic drain line	4-6
	2302	North of the caustic drain line	4.5-6.5
	2303	South of the caustic drain line	5-7
ST-271	2401	North of the neutralization pit	12-14
	2402	South of the neutralization pit	9.1-11 and 14.5-16.5
ST-272	2501	Inside the southern portion of pond [a]	0.2
	2502	Inside the central portion of pond [a]	0.2
	2503	Inside the north central portion of pond [a]	0.2
	2504	Inside the north portion of pond [a]	0.2
	2505	Background borehole north of the pond	4-8 [b]
	2506	Adjacent to the south side of the pond	0.2 [b]
	2507	Adjacent to the west side of the pond	0.2 and 8-10
	2508	Adjacent to the north side of the pond	0.2 and 8-10
	2509	Adjacent to the east side of the pond	0.2 and 8-10

a. Sediment sample collected from the bottom of pond.

b. Replicate sample also collected in this depth interval.

6.2.4 Laboratory Analysis

Including replicate samples, 16 soil samples and 4 sediment samples were collected at the 3 sites. All samples were analyzed for the expected contaminants associated with normal operations at these units, which included metals (including antimony, mercury, selenium, and thallium), fluoride, pH, and soil moisture, except the deeper sample from location 2402, which was analyzed for metals only (excluding mercury).

6.3 Site Characteristics

6.3.1 Geology

Sites ST-270, ST-271, and ST-272 are located in the urban/industrial zone. Borehole logs were not prepared for the borings; therefore, a site-specific geologic description is not provided. A discussion of the general geology at Kirtland AFB is presented in Section 2.4.

6.3.2 Hydrogeology

Groundwater beneath Sites ST-270, ST-271, and ST-272 is found within the Upper Santa Fe Group sediments and is generally thought to be unconfined in the upper portion of the aquifer. This area is within the HR1 saturated zone setting as defined by SNL studies (Figure 2-9) (SNL, 1994). Hydrologic characterization in this portion of Kirtland AFB is complicated by the presence of numerous production wells (Figure 2-11). Uniform groundwater conditions in this region probably do not exist. Local cones of depression associated with groundwater withdrawal have altered the groundwater flow direction in the vicinity of the well fields (Figure 2-7).

It is probable that the gradient in this area is east-northeast. Well KAFB-14 is cross gradient and well KAFB-2 is possibly downgradient (Figures 2-7 and 2-11). Depth to groundwater is estimated to be approximately 350 ft below grade (Figure 2-10); however, shallower perched water zones may occur. Hydraulic conductivity in the vicinity of HR1 is estimated at 2 to 171 ft/day (SNL, 1994). A general discussion of the hydrogeology at Kirtland AFB is presented in Section 2.5.

6.4 Nature and Extent of Contamination

The following section describes the nature and extent of contamination based on soil sampling results. Analytical results for samples collected at ST-270, ST-271, and ST-272 are presented in Tables 6-2, 6-3, and 6-4, respectively, with only the reportable concentrations listed in the tables.

Table 6-2. **Summary of Reportable Concentrations for Soil Analyses at Caustic Drain Line ST-270, Bldg. 617, Kirtland AFB, New Mexico[1]**
[Concentrations(mg/kg)]

Chemical Class	Analyte	UTL	HHRB Action Level[2]	Borehole Number and Sample Depth Interval (ft)		
				230101 1	*230201 1*	*230301 1*
				4-6	4.5-6.5	5-7
METALS (SW6010)	Aluminum	13300	N/A	6920	7150	6620
	Barium	496	5600	140	83.8	159
	Beryllium	0.83	0.2	0.20 J	0.37 J	0.44 J
	Cadmium	N/A	40	ND	0.37 J	ND
	Calcium	119000	N/A	98100	79200	74200
	Chromium, Total	14.9	400	3.1 J	4.8	3.7 J
	Cobalt	11.3	N/A	3.0 J	3.4 J	2.6 J
	Copper	135	N/A	ND	3.2	3
	Iron	20900	N/A	7110	8160	6970
	Lead	22.9	400	ND	ND	ND
	Magnesium	8730	N/A	4100	3990	3510
	Manganese	435	400	80.9	144	94.6
	Nickel	54.4	1600	6.6 J	8.5	6.8
	Potassium	2730	N/A	931	811	741
	Sodium	519	N/A	ND	ND	ND
	Vanadium	49.2	720	21.9	20.3	19.1
	Zinc	81.6	N/A	14.4	19.3	19.1
(E300.0)	Fluoride	135	4800	12.8	9.5	8
(SW7471)	Mercury	N/A	20	ND	ND	0.070 J
OTHER	Moisture (%)			13.4	8.1	9.9
	pH			8.7	8.8	9.4

Ψ Complete table footnotes can be found after the last table in this section.

Table 6-3. Summary of Reportable Concentrations for Soil Analyses at Neutralization Pit ST-271, Bldg. 617 Kirtland AFB, New Mexico[1] [Concentrations (mg/kg)]

Chemical Class	Analyte	UTL	HHRB Action Level[2]	Borehole Number and Sample Depth Interval (ft)		
				240101 1	*240201 1*	*240202 1*
				12-14	9.1-11	14.5-16.5
METALS (SW6010)	Aluminum	13300	N/A	19400	14600	8800
	Arsenic	N/A	0.4	ND	45.6	ND
	Barium	496	5600	49.2	284	105
	Beryllium	0.83	0.2	1.1	6	0.9
	Cadmium	N/A	40	ND	5.6	ND
	Calcium	119000	N/A	49000	80900	19900
	Chromium, Total	14.9	400	14.5	6.2	5.9
	Cobalt	11.3	N/A	7.3	53.9	5.2
	Copper	135	N/A	9	30.6	6.1
	Iron	20900	N/A	18300	15000	11000
	Lead	22.9	400	9.5	55.6	7.1
	Magnesium	8730	N/A	7230	9960	4840
	Manganese	435	400	312	300	319
	Molybdenum	N/A	400	ND	49.3	ND
	Nickel	54.4	1600	14.6	63	8.7
	Potassium	2730	N/A	3740	6870	1630
	Silver	N/A	400	ND	4.2 J	ND
	Sodium	519	N/A	ND	11000	ND
	Tin	N/A	N/A	ND	194	ND
	Vanadium	49.2	720	47	78.6	22.2
	Zinc	81.6	N/A	46.4	74.9	30.4
(E300.0)	Fluoride	135	4800	10.7	6.1	ND
(SW7471)	Mercury	N/A	20	0.091 J	ND	ND
OTHER	Moisture (%)			14.6	9.4	9.6
	pH			8.1	9.7	ND

Ψ Complete table footnotes can be found after the last table in this section.

Table 6-4. **Summary of Reportable Concentrations for Soil Analyses at Evaporation/Infiltration Pond ST-272, Bldg. 617, Kirtland AFB, New Mexico[1] [Concentrations (mg/kg)]**

Chemical Class	Analyte	UTL	HHRB Action Level[2]	Borehole Number and Sample Depth Interval (ft)							
				250101 1	*250201 1*	*250301 1*	*250401 1*	*250501 1*	*250502 1*	*250601 1*	*250602 1*
				0.2	0.2	0.2	0.2	4-8	4-8	0.2	0.2
METALS (SW6010)	Aluminum	13300	N/A	1500	6900	10100	6650	6170	6470	NA	5750
	Arsenic	N/A	0.4	ND	ND	ND	ND	ND	ND	NA	ND
	Barium	496	5600	16.6	89.8	186	109	428	256	NA	116
	Beryllium	0.83	0.2	ND	ND	0.35 J	ND	0.39 J	0.37 J	NA	0.35 J
	Cadmium	N/A	40	ND	ND	ND	ND	ND	ND	NA	ND
	Calcium	119000	N/A	1800	2510	9300	14100	88300	71000	NA	36400
	Chromium, Total	14.9	400	7	8	18.7	10.5	2.5 J	3.6 J	NA	4.6
	Cobalt	11.3	N/A	2.2 J	2.1 J	3.7 J	2.1 J	3.3 J	2.7 J	NA	3.1 J
	Copper	135	N/A	17	50.9	172	96.3	2.0 J	1.5 J	NA	5.4
	Iron	20900	N/A	11900	10800	15100	10700	7050	6850	NA	7480
	Lead	22.9	400	45.4	39.5	271	237	ND	ND	ND	4.2 J
	Magnesium	8730	N/A	899	2390	4450	3630	3650	3210	NA	2550
	Manganese	435	400	67.2	76.1	115	92	92.8	87.6	NA	103
	Molybdenum	N/A	400	ND	ND	ND	ND	ND	ND	NA	ND
	Nickel	54.4	1600	3.6 J	6.7 J	15.1	9.8 J	6.2 J	5.4 J	NA	5.8 J
	Potassium	2730	N/A	1500	5500	9520	6460	713	759	NA	1410
	Silver	N/A	400	ND	ND	ND	ND	ND	ND	NA	ND
	Sodium	519	N/A	33.2 J	ND	ND	ND	ND	ND	NA	ND
	Tin	N/A	N/A	ND	23.0 J	ND	ND	ND	ND	NA	ND
	Vanadium	49.2	720	25.9	14.3	17.3	14.9	20.4	19	NA	18.8
	Zinc	81.6	N/A	46.7	46.6	192	147	14.2	13.9	NA	20.3
(E300.0)	Fluoride	135	4800	2.2	ND	4.2	4.3	7	8.6	NA	ND
(SW7471)	Mercury	N/A	20	0.14	ND	0.15 J	0.31	ND	ND	NA	ND
(SW7041)	Antimony	N/A	32	4.6	ND	ND	ND	ND	ND	NA	ND
(SW7841)	Thallium	N/A	7.2	ND	ND	ND	ND	ND	0.25 J	NA	ND
OTHER	Moisture (%)			23.4	37.7	45.8	46.4	17.3	11.2	1.9	10.2
	pH			9.3	9.3	9.1	9.2	8.5	8.6	NA	ND

Ψ Complete table footnotes can be found after the last table in this section.

Chemical Class	Analyte	UTL	HHRB Action Level[2]	Borehole Number and Sample Depth Interval (ft)					
				250701 1	*250702 1*	*250801 1*	*250802 1*	*250901 1*	*250902 1*
				0.2	8-10	0.2	8-10	0.2	8-10
METALS	Aluminum	13300	N/A	NA	NA	NA	NA	NA	NA
	Arsenic	N/A	0.4	NA	NA	NA	NA	NA	NA
(SW6010)	Barium	496	5600	NA	NA	NA	NA	NA	NA
	Beryllium	0.83	0.2	NA	NA	NA	NA	NA	NA
	Cadmium	N/A	40	NA	NA	NA	NA	NA	NA
	Calcium	119000	N/A	NA	NA	NA	NA	NA	NA
	Chromium, Total	14.9	400	NA	NA	NA	NA	NA	NA
	Cobalt	11.3	N/A	NA	NA	NA	NA	NA	NA
	Copper	135	N/A	NA	NA	NA	NA	NA	NA
	Iron	20900	N/A	NA	NA	NA	NA	NA	NA
	Lead	22.9	400	6.2	4.2 J	7.2	ND	5.8	ND
	Magnesium	8730	N/A	NA	NA	NA	NA	NA	NA
	Manganese	435	400	NA	NA	NA	NA	NA	NA
	Molybdenum	N/A	400	NA	NA	NA	NA	NA	NA
	Nickel	54.4	1600	NA	NA	NA	NA	NA	NA
	Potassium	2730	N/A	NA	NA	NA	NA	NA	NA
	Silver	N/A	400	NA	NA	NA	NA	NA	NA
	Sodium	519	N/A	NA	NA	NA	NA	NA	NA
	Tin	N/A	N/A	NA	NA	NA	NA	NA	NA
	Vanadium	49.2	720	NA	NA	NA	NA	NA	NA
	Zinc	81.6	N/A	NA	NA	NA	NA	NA	NA
(E300.0)	Fluoride	135	4800	NA	NA	NA	NA	NA	NA
(SW7471)	Mercury	N/A	20	NA	NA	NA	NA	NA	NA
(SW7041)	Antimony	N/A	32	NA	NA	NA	NA	NA	NA
(SW7841)	Thallium	N/A	7.2	NA	NA	NA	NA	NA	NA
OTHER	Moisture (%)			NA	NA	NA	NA	NA	NA
	pH			NA	NA	NA	NA	NA	NA

Ψ Complete table footnotes can be found after the last table in this section.

1 Complete laboratory analytical results including method detection limits are presented in the ITIR appendices.

2 Action Level Proposed Rule RCRA Subpart S Action Levels (55 FR 30814, 7/27/90).

*; TPH action level is 100 mg/kg adopted from NM UST regulations (USGS 2B Work Plan 3.6, NM El Board, 1990). SW-8015 analyzes volatile and semivolatile petroleum hydrocarbon fractions separately. The total concentration of the two fractions analyzed under 8015 will be used to assess compliance with stipulated action levels for the purpose of this RFI.

PQL; Practical Quantitation Limits (defines VOC, SVOC and TPH).

pCi/g; Picocuries per gram.

VOC; Volatile Organic Compounds.

TPH; Total Petroleum Hydrocarbons.

RAD; Radionuclides.

ND; Not Detected above the method detection limit.

U; Accept data (positive results may be influenced by lab contamination).

RE; Resample.

NA; Not Analyzed

UTL; Upper Tolerance Limits (defines METALS).

HHRB; Human Health Risk Based.

SVOC; Semivolatile Organic Compounds.

FR; Field Replicate.

UJ; Estimated Nondetect.

J; Estimated value.

R; Reject NDs due to interference.

--; No Data.

Full analytical results for the three sites are provided in the Informal Technical Information Report, dated March 1994, which was submitted to AFCEE and Kirtland AFB (USGS, 1994b).

Metals

At the caustic drain line (ST-270), only beryllium was detected at concentrations above the HHRB action level of 0.2 mg/kg. It was detected in all three samples (2301, 2302, 2303) collected at ST-270 with concentrations ranging from an estimated 0.20 to 0.44 mg/kg. These beryllium concentrations may be naturally occurring at Kirtland AFB as discussed in Section 4.2.2.

Beryllium was detected at concentrations above the HHRB action level in samples collected from the neutralization pit (ST-271). It was present in the three samples collected from the site at concentrations ranging from 0.9 mg/kg in sample 2402 from 14.5 to 16.5 ft bgs to 6.0 mg/kg in sample 2402 from 9.1 to 11.0 ft bgs, indicating a decrease in concentration with depth. Arsenic was also present in the 9.1- to 11.0-ft sample from 2402 at 45.6 mg/kg, above the HHRB action level of 0.39 mg/kg. Cobalt (53.9 mg/kg), lead (55.6 mg/kg), magnesium (9,960 mg/kg), nickel (63 mg/kg), silver (4.2 mg/kg), and vanadium (78.6 kg/kg) were also present at concentrations above their respective UTLs but below their HHRB action levels. This borehole was located just south of the neutralization pit.

At the evaporation/infiltration pond (ST-272), beryllium was the only inorganic detected above HHRB action levels. Beryllium was present in one sediment sample (2503) from within the evaporation/infiltration pond at an estimated concentration of 0.35 mg/kg and one surface sample adjacent to the south side of the pond (2506) at an estimated concentration of 0.35 mg/kg. Beryllium was also present in the 4- to 8-ft sample and replicate from the background sampling borehole 2505. These beryllium concentrations may be naturally occurring at Kirtland AFB as discussed in Section 4.2.2.

Fluoride

Fluoride concentrations in the soil samples collected near the caustic drain line ranged from 8 to 12.8 mg/kg. Fluoride was present in two of the samples from the neutralization pit at 6.1 and 10.7 mg/kg. In the samples collected in and around the evaporation/infiltration pond, fluoride ranged from 2.2 to 4.3 mg/kg. Background sample concentrations of fluoride ranged from 7.0 to 8.6 mg/kg.

Soil pH and Moisture

Soil pH values ranged from 8.1 to 9.7. Background sample pH ranged from 8.5 to 8.6. Values were highest near the neutralization pit and within the evaporation/infiltration pond. Soil moisture values ranged from 8.11 to 46.38 percent in the samples collected from the three sites.

6.5 Risk Characterization Summary

A baseline human health risk assessment for Site ST-271 was conducted according to the methods outlined in Section 3.6. All calculations to support this risk evaluation are provided in Appendix H.

At ST-271, the only potential constituents of concern found in the soil at levels in excess of the HHRB action levels were arsenic and beryllium. Three soil samples collected from ST-271 were used for the risk characterization. The data set for the potential constituents of concern was evaluated and was found to have a log-normal sample distribution. The maximum detected concentrations of arsenic (45.6 mg/kg) and beryllium (6.0 mg/kg) were used in the risk calculation because only three samples were used for the risk assessment. Arsenic is classified with an "A" weight of evidence, while beryllium is classified as a B2 chemical. This means that arsenic is classified as a human carcinogen, but beryllium is classified as a carcinogen in animal studies and is inadequate or has no evidence of carcinogenicity in humans.

The reference dose of 0.0003 mg/kg/day and a cancer slope factor of 1.8 $(mg/kg\text{-}day)^{-1}$ are associated with arsenic. Beryllium has a reference dose of 0.005 mg/kg/day and a cancer slope factor of 4.3 $(mg/kg\text{-}day)^{-1}$. These dose response values were used to calculate the corresponding hazard quotient and lifetime cancer risk for arsenic and beryllium as discussed in Section 3.6. Based on this information, the "worst-case" scenario (future residential land use) was evaluated for the incidental soil ingestion exposure from this site. The arsenic hazard quotients for the adult and child were 0.2 and 1.9, respectively. The beryllium hazard quotients for the adult and child were 0.002 and 0.02, respectively. The hazard index calculated for arsenic and beryllium from incidental soil ingestion at this site (2.1) was greater than unity. Therefore, noncarcinogenic health risks may occur based on this "worst-case" exposure scenario, since the hazard quotient is in excess of the USEPA acceptable limit.

The cancer risk generated for arsenic from the incidental ingestion of soil at this site was 1.0×10^{-4}. The cancer risk generated for beryllium from incidental soil ingestion at this site was 4.0×10^{-5}. Therefore, the total extra lifetime cancer risk is 1.4×10^{-4}. The USEPA has generally defined risks

in the range of 10^{-4} to 10^{-6} as being acceptable for most hazardous waste facilities addressed under CERCLA. Therefore, carcinogenic risk may be associated with these exposures.

6.6 Conclusions and Recommendations

Conclusions

ST-270

- Beryllium was the only constituent detected above HHRB action levels. It was present in all three site samples at concentrations ranging from an estimated 0.20 to 0.44 mg/kg. These concentrations of beryllium appear to be naturally occurring throughout Kirtland AFB.
- The analytical results are not indicative of a release from this unit.

ST-271

- Beryllium was detected above the HHRB action level. It was present in all three site samples at concentrations ranging from 0.9 to 6.0 mg/kg.
- Arsenic was present in the 9.1- to 11.0-ft bgs sample collected south of the neutralization pit at a concentration of 45.6 mg/kg above the HHRB action level of 0.4 mg/kg.
- A baseline human health risk assessment was performed at Site ST-271 to determine hypothetical noncarcinogenic health risks from arsenic present in the soil. A future residential land use scenario ("worst-case") was evaluated for the incidental ingestion of soil by child and adult residents. The Hazard Index was determined to be greater than 1.0; therefore, noncarcinogenic health risks may be associated with this exposure scenario.
- The total carcinogenic risk for beryllium and arsenic exposure was determined to be 1.4×10^{-4}, which is slightly above the USEPA acceptable risk range of 10^{-4} to 10^{-6}. Therefore, carcinogenic risk may be associated with these exposures.

ST-272

- Beryllium was the only constituent detected above the HHRB action levels. It was present in one sample collected within the evaporation/infiltration pond (0.35 mg/kg) and one sample collected adjacent to the south side of the pond (0.35 mg/kg). These concentrations of beryllium appear to be naturally occurring throughout Kirtland AFB.

Recommendations

ST-270, 271, and 272

- Based on the findings of the RFI, no further action is necessary; therefore, Sites ST-270, 271, and 272 do not require further investigation. A No Further Action proposal should be prepared.
- The concrete neutralization pit should be replaced with a unit better able to withstand high pH solutions to minimize the potential for a future release.

7.0 Site FT-14, Manzano Fire Training Area

7.1 Site Background and Environmental Setting

This site is located within the Manzano Base compound north of the Manzano gate. This abandoned site consists of two burn pits about 60 ft apart. Each pit contains about 400 ft^2 of soil darkened with carbonaceous material. The total area of the western pit is about 500 ft^2, and the area of the eastern pit is slightly more than 1,000 ft^2. Both pits are 2 to 3 ft deep, with earthen berms that rise 1 to 2 ft above the surrounding land surface. Information is limited on the procedures used and the duration and frequency of fire training exercises. Training procedures probably consisted of first applying water then adding fuel to the pit, igniting the fuel, and extinguishing the fire with chemical foam. The Phase I report (Engineering Science Inc., 1981) concluded that this site has less potential for contaminant migration than the Kirtland AFB fire training site and that no waste chemicals were known to be burned at this site. The site may have been abandoned for 20 years (USGS, 1994a). The fire training area was investigated from September through November 1993. The information provided in this section was obtained from USGS unpublished records (USGS, 1994a).

The environmental setting of the Manzano Fire Training Area is discussed in Section 7.3. No active production wells exist in the nearby vicinity of the site (Figure 2-10). In the unlikely event that the burn pits would overflow, it is probable that the runoff would flow downslope and infiltrate into the surrounding soil.

7.2 Study Area Investigation

Possible source materials were not investigated in this study.

7.2.1 Previous Investigations

No previous investigations have been performed at the Manzano Fire Training Area.

7.2.2 Data Gaps

The main objectives of this investigation were to: determine the depth and areal extent of possible contamination; determine if contamination is present at the surface that could pose a risk to human health and the environment; and determine the potential overflow runoff destination.

7.2.3 RFI Field Investigation

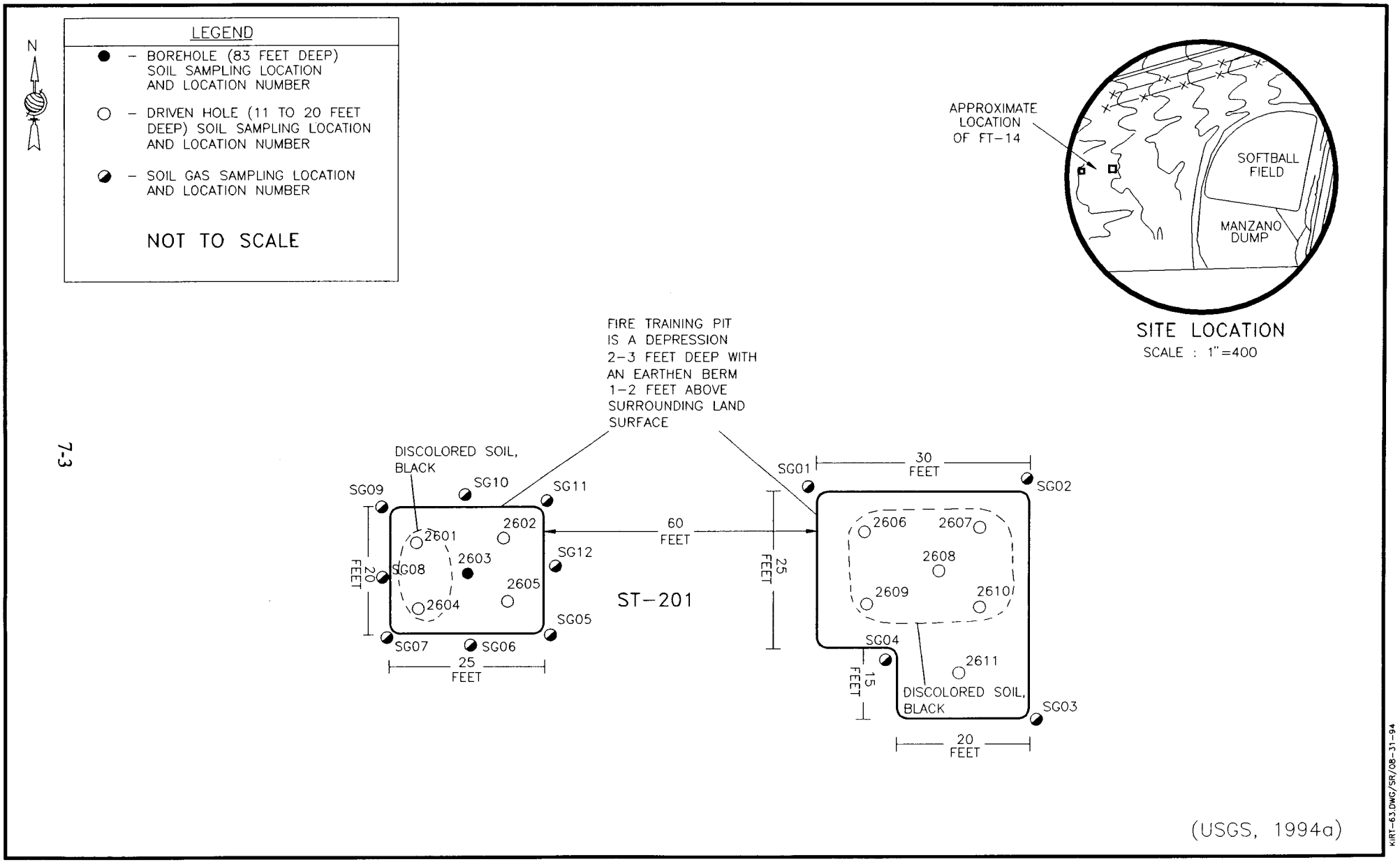
Eleven boreholes were drilled and sampled at the site on September 14-16; October 14, 19-22, 25, 28; and November 16-17, 1993 (Figure 7-1) using a hand auger, Geoprobe system, and hollow stem augering as described in Section 3.0. The boreholes were located inside the eastern and western pits (Figure 7-1). In the western pit, boreholes 2601 and 2604 were located where discolored soil was observed. Boreholes 2602, 2603, and 2605 were located to the east of the discolored soil. In the eastern pit, five boreholes (2606 through 2610) were located where discolored soil was observed and borehole 2611 was located south of the discolored soil. In the western pit, composite soil samples were collected near the surface from each borehole and then every 5 ft to a depth of 21 ft. At location 2603, additional soil samples were collected about every 10 ft to a depth of 83 ft. In the eastern pit, composite soil samples were collected from each borehole near the surface and then every 5 ft. Refusals in the eastern pit limited the maximum depth of investigation to 11 ft. All soil samples were screened for VOCs in the field using a PID (Table 7-1). A background boring to 100 ft bgs was installed north of the site as part of the Stage 2A IRP investigation.

Following the soil boring program a soil gas survey was conducted outside each pit boundary to determine if VOCs were present and the lateral extent of possible soil contamination beyond the pits. Soil gas samples were collected at 12 locations. Four of the sampling locations were at the eastern pit and eight locations encompassed the western pit. Soil gas sampling locations are shown in Figure 7-1. No VOCs were detected in the soil gas samples. Details of this survey are provided in the Informal Technical Information Report, dated February 1994, which was submitted to AFCEE and Kirtland AFB (USGS, 1994b).

Borehole locations, sample depths, and QA/QC samples collected at FT-14 are shown in Table 7-1.

7.2.4 Laboratory Analysis

Including replicate samples, 55 soil samples were collected at this site. These samples were analyzed for VOCs, SVOCs, TPH, metals (including antimony, mercury, selenium, and thallium), PAHs, dioxins, (the expected contaminants associated with normal operations at this site) ignitability, soil pH, and soil moisture.



7-3

SOIL SAMPLING LOCATIONS AT MANZANO FIRE TRAINING AREA FT-14

FIGURE 7-1

RCRA FACILITY INVESTIGATION STAGE 2B KIRTLAND AIR FORCE BASE, NEW MEXICO

Table 7-1. Boreholes and Samples Collected at FT-14, Manzano Fire Training Area

Borehole	Borehole Location	Sample Depths (ft)	PID Readings (ppm_v)[a,b]
2601	Northwestern quadrant of western pit where discolored soil observed	0.0-0.2, 4-6, 9-11, 14-16, 19-21	4.9-92
2602	Northeastern quadrant of western pit	0.0-0.2, 4-6, 9-11, 14-16, 19-21	4-116
2603	Center of western pit	0.0-0.2, 4-6, 9-11, 14-16 [c], 19-21, 29-31, 39-41, 50-51, 60-61 [a], 69-70, 83 [b]	40-167
2604	Southwestern quadrant of western pit where discolored soil observed	0.0-0.2, 4-6, 9-11, 14-16 [a], 19-21	0.8-48
2605	Southeastern quadrant of western pit	0.0-0.2 [a], 4-6, 9-11 [a], 12-15, 19-21	0.6-98
2606	Northwestern quadrant of eastern pit where discolored soil observed	0.0-0.2, 4-6, 9-11	0.3-2.7
2607	Northeastern quadrant of eastern pit where discolored soil observed	0.0-0.2, 4-6, 9-11	1.8
2608	Center of eastern pit where discolored soil observed	0.0-0.2, 4-6, 9-11	1.2-8.2
2609	Southwestern quadrant of eastern pit where discolored soil observed	0.0-0.2, 4-6 [a], 9-11	2.0-3.0
2610	Southeastern quadrant of eastern pit where discolored soil observed	0.0-0.2, 4-6, 9-11	0.2
2611	South-central portion of eastern pit outside of discolored soil area	0.0-0.6, 4-6, 9-11	0.5-0.6

a. ppm_v = parts-per-million volume (ml/l) as isobutylene for PID readings.

b. PID readings are values above background. Only the highest value for the interval is listed.

c. Replicate sample also collected at this depth.

7.3 Site Characteristics

7.3.1 Geology

The Santa Fe Group at the Manzano Fire Training Area may be thin or absent. Auger holes drilled by the USGS about 300 ft to the east (toward the mountain) penetrated "granite wash" from 36 to

100 ft bgs. The depth to granite may be deeper at the Fire Training Area. The alluvium, or Santa Fe Group, contains course-grained material, but near the mountain front it is poorly sorted. Thus,

permeability may be low regardless of the course-grained material. Surface soils are gravely and granitic. Borehole logs were not completed for the borings drilled at the fire training area. A discussion of the general geology at Kirtland AFB is presented in Section 2.4.

7.3.2 Hydrogeology

The borings drilled to the east ended in granite before penetrating a water table. If a water table is present at the Fire Training Area, the direction of groundwater flow is probably westward due to the geology of the area. However, with little or no inflow from the east, the flux of water may be minor. Abandoned well KAFB-9 is the nearest well to the site, about 1,400 ft to the west. The water level at this site may be more than 500 ft deep, based on the water level in KAFB-9 (Figure 2-1); and groundwater may be present in the granite. Groundwater from this area probably would eventually discharge by way of production wells under the current conditions of groundwater development. The nearest Kirtland AFB production well, KAFB-11, is about 2.5 miles to the northwest. This well is currently out of service and awaiting repairs. Groundwater quality is unknown but is assumed to be potable on the basis of groundwater quality in the basin to the west. A general discussion of the hydrogeology at Kirtland AFB is presented in Section 2.5.

7.4 Nature and Extent Of Contamination

The following section describes the nature and extent of contamination based on soil sampling results. Analytical results for soil samples at FT-14 are summarized in Tables 7-2 and 7-3. Footnotes for these tables follow Table 7-3. Only analytes with reported concentrations in one or more environmental samples are listed in the tables. Full analytical results are presented in the Informal Technical Information Report dated May 1994, which was submitted to AFCEE and Kirtland AFB (USGS, 1994b).

7.4.1 Western Fire Training Pit Analytical Results

Organic Compounds

One SVOC (benzo(a)pyrene) was detected in one sample above the HHRB action level. No VOCs were detected above the HHRB action levels in any of the samples. Additionally, no VOCs were detected in any of the soil gas samples taken around the perimeter of the burn pit. Ignitability was determined to be greater than 160° F for all samples (Table 7-2).

7-2. Summary of Reportable Concentrations for Soil Analyses at Manzano Fire Trainir ·a - Western Pit, FT-14, Kirtland AFB, New Mexico[1]

[Concentrations (mg/kg)]

Chemical Class	Analyte	UTL PQL	HHRB Action Level[2]	Borehole Number and Sample Depth Interval (ft)									
				260101 1 0.2	260102 1 4-6	260103 1 9-11	260104 1 14-16	260105 1 19-21	260201 1 0.2	260202 1 4-6	260203 1 9-11	260204 1 14-16	260205 1 19-21
TPH	Total petroleum hydrocarbons	N/A	100*	35500	5590	15200	15200	23800	2560	1490	18800	12700	4690
SW1010	Ignitability (°F)	N/A	N/A	>160	>160	>160	>160	>160	>160	>160	>160	>160	>160
METALS	Aluminum	13300	N/A	7470	12900	9260	8230	7680	8650	10800	10400	7250	9400
	Barium	496	5600	257	134	175	86.7	85	483	147	161	115	111
	Beryllium	0.83	0.2	0.44	0.65	0.58	0.52	0.5	0.46	0.66	0.69	0.5	0.51
	Cadmium	N/A	40	2	ND	ND	ND	ND	1.9	ND	ND	0.41 J	ND
	Calcium	119000	N/A	8250	13300	32500	27100	12300	4890	11900	25700	18100	19400
	Chromium, Total	14.9	400	30.4	13.9	9.4	9.4	32.9	51.5	11.8	8.1	10.1	11.1
	Cobalt	11.3	N/A	7.7	10.6	7.3	6.9	8.4	7.1	9.4	7.5	7.5	8.6
	Copper	135	N/A	16.7	26.5	27.3	24.1	38.8	19.2	30.4	31.1	43.2	54
	Iron	20900	N/A	21800	26000	19300	17200	18600	21100	23500	19100	20900	20600
	Lead	22.9	400	1890	7.2	16	11	12.7	2570	20.7	18.7	16.8	41.6
	Magnesium	8730	N/A	4860	7230	5690	5310	6450	5530	6700	6350	5200	7360
	Manganese	435	400	267	456	328	273	333	305	481	333	263	358
	Molybdenum	N/A	400	ND	ND	ND	ND	9.4	ND	ND	ND	ND	ND
	Nickel	54.4	1600	11.6	14.8	10.2	10.1	9.7	10.4	13.2	11.3	11.4	18.7
	Potassium	2730	N/A	2390	3820	2380	1930	2250	2710	3690	2560	1910	2340
	Sodium	519	N/A	ND	ND	ND	ND	ND	ND	67.7 J	106 J	104 J	ND
	Tin	N/A	N/A	ND	ND	ND	ND	46.8 J	ND	ND	ND	ND	ND
	Vanadium	49.2	720	41.8	50.8	36.3	36.1	36.2	37.4	43.5	35.6	42.1	43
	Zinc	81.6	24000	436	62	44.6	39.2	52.1	544	58.9	50.8	46.8	65.7
VOC	2-Butanone (MEK)	0.7	1	0.013 J	0.021	ND	ND	ND	ND	ND	ND	0.31 J	ND
	2-Hexanone	0.05	N/A	ND	0.0030 J	ND	ND	ND	ND	ND	ND	ND	ND
	Acetone	0.7	8000	0.15	0.035	0.362	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene	0.7	8000	ND	ND	0.067	0.47 J	ND	ND	ND	ND	ND	ND
	Methylene chloride	0.7	93.3	0.010 J	0.0016 J	0.012 J	ND	ND	0.0078	0.0014 J	0.0097 J	ND	ND
	Toluene	0.7	16000	ND	0.0044	0.023 J	0.34 J	ND	ND	ND	ND	ND	ND
	Xylenes (total)	0.7	N/A	ND	ND	0.69	2.6	8.6	ND	ND	0.043	1.7	0.51 J
SVOC (SW8270)	1,2,4-Trichlorobenzene	0.7	800	ND	ND	7 J	12	18	ND	ND	0.81 J	0.40 J	ND
	2,6 Dinitrotoluene	0.7	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.11 J
	2-Methylnaphthalene	0.7	3200	ND	ND	11	11	36	ND	ND	3.2 J	6.4	ND
	Acenaphthene	1.6	N/A	ND	ND	ND	ND	1.2 J	ND	ND	0.48 J	0.36 J	ND
	Acenaphthylene	0.7	N/A	ND	ND	ND	ND	0.45 J	ND	ND	ND	ND	ND
	Dibenzofuran	0.7	N/A	ND	ND	ND	ND	0.83 J	ND	ND	0.63 J	0.62 J	ND
	Fluorene	0.7	3360	ND	ND	1.2 J	0.90 J	2.4 J	ND	ND	ND	ND	ND
	Naphthalene	0.7	3200	ND	ND	1.9 J	2.0 J	5.6	ND	ND	0.76 J	1.5 J	ND
	Phenanthrene	0.7	N/A	ND	ND	2.6 J	2.1 J	3.7 J	ND	ND	1.1 J	1.2 J	ND
	Pyrene	0.7	2400	0.33	ND	ND	ND	ND	ND	ND	ND	ND	0.010 J
	Bis(2-Ethylhexyl)phthalate	0.7	50	5.6 J	2.1	2.7 J	1.8 J	1.2 J	0.37 J	ND	1.3 J	0.72 J	0.26 J
(SW8310)	Benzo(a)anthracene	0.7	N/A	ND	ND	0.18	ND	0.11	ND	ND	ND	0.27	ND
	Benzo(a)pyrene	0.7	0.0959	0.03	ND	0.024	ND	0.02	ND	ND	0.035	0.035	ND
	Benzo(b)fluoranthene	0.7	0.959	0.065	0.014	0.0258	0.017	0.023	ND	ND	ND	0.042	ND
	Benzo(g,h,i)perylene	0.7	N/A	ND	ND	ND	ND	ND	ND	ND	0.042	ND	0.035
	Chrysene	0.7	9.59	0.074 J	ND	0.14	0.030 J	0.097 J	ND	ND	0.11 J	0.12	ND
	Fluoranthene	0.7	3360	ND	ND	0.46	0.24	0.39	ND	ND	0.29	0.42	0.77 J
	Fluorene	0.7	3360	ND	ND	1.1	0.5	1.1	ND	ND	0.53	0.99	0.035 J
	Naphthalene	0.7	3200	ND	ND	0.96 J	0.57 J	2.5	ND	ND	0.45 J	1.8	ND
	Phenanthrene	0.7	N/A	ND	ND	3	1.5	3	ND	ND	0.96	2.3	0.23 J
OTHER	pH			4.7	7.4	7.5	9.2	4.7	5.8	3	8.1	5.6	5.7

Chemical Class	Analyte	UTL PQL	HHRB Action Level[2]	Borehole Number and Sample Depth Interval (ft)												
				260301 1 0.2	260302-1 4-6	260303 1 9-11	260304 1 14-16	260305 1 14-16	260306 1 19-21	260307 1 29-31	260308 1 39-41	260309 1 50-51	260310 1 60-61	260311 1 60-61	260312 1 69-70	260313 1 83
TPH	Total petroleum hydrocarbons	N/A	100*	2430	16600	18000	18000	16500	3280	222	2030	ND	ND	ND	ND	ND
SW1010	Ignitability (°F)	N/A	N/A	>160	>160	>160	>160	>160	>160	>160	>160	>160	>160	>160	>160	>160
METALS	Aluminum	13300	N/A	11100	10200	10500	6810	8140	8110	8260	10300	6320	7020	8330	7650	9280
	Arsenic	N/A	0.4	ND	ND	6 J	6.3 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Barium	496	5600	176	146	155	125	176	70.5	66.7	89.1	66.5	61.1	79.7	74.2	134
	Beryllium	0.83	0.2	0.54	0.62	0.66	0.48	0.52	0.5	0.48	0.59	0.33 J	0.36 J	0.44	0.44	0.47
	Cadmium	N/A	40	1.2	0.32 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.32 J
	Calcium	119000	N/A	4740	12500	19800	18100	30000	6490	7000	12100	6550	9570	12200	12000	11800
	Chromium, Total	14.9	400	13.6	12.8	11.4	10	10.7	8.7	12.7	26.9	7.9	7.9	9.6	9.7	9.9
	Cobalt	11.3	N/A	9.2	9.1	8	5.9	7.7	8.7	7.8	9	6.6	6.9	8.1	6.9	6.9
	Copper	135	N/A	15.7	20.4	34.2	25.2	61.1	57.7	37.1	27.4	14.1	13.9	17.1	13.8	26.1
	Iron	20900	N/A	27700	23700	22700	14100	17900	18800	19500	25100	15600	14600	18700	15200	14900
	Lead	22.9	400	980	140	13.2	26.4	13.5	11	2.7	46.8	7.2	6.1	6.8	7.2	6.5
	Magnesium	8730	N/A	7710	5900	5860	4890	6180	6290	6290	6890	5220	5880	7100	5850	4270
	Manganese	435	400	406	429	342	226	305	333	350	399	310	324	394	305	328
	Nickel	54.4	1600	12.7	18.7	10.8	10.9	11.1	11	12.3	128	8.2	9.7	10.7	10	10.2
	Potassium	2730	N/A	4570	3240	2380	1350	1900	2020	2580	2610	1790	2180	2950	2110	2070
	Sodium	519	N/A	ND	117	25.9 J	119	ND	220	ND	153	ND	ND	ND	ND	ND
	Vanadium	49.2	720	49.1	45.2	43.2	29.5	36.2	34.5	35.1	48.9	28.2	26.5	33.5	29.1	27.6
	Zinc	81.6	24000	269	70.4	50.7	38	53.9	59.7	50.7	60.3	42.2	42.2	51.5	41.2	40.7
VOC	2-Butanone (MEK)	0.7	1	0.0028 J	ND	ND	1.3 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4-Methyl-2-pentanone (MIBK)	0.7	N/A	ND	ND	ND	ND	ND	ND	0.0046 J	ND	ND	ND	ND	ND	ND
	Acetone	0.7	8000	0.012	0.19 J	ND	ND	ND	ND	ND	0.0066 J	ND	ND	ND	ND	ND
	Ethylbenzene	0.7	8000	ND	ND	ND	ND	1.1 J	ND	ND	ND	ND	ND	ND	ND	ND
	Methylene chloride	0.7	93.3	0.0018 J	ND	ND	ND	1.6 J	0.027 J	0.0013 J	0.0015 J	ND	0.0092	ND	0.0022 J	0.0016 J
	Toluene	0.7	16000	ND	ND	ND	ND	0.64 J	ND	ND	ND	ND	ND	ND	ND	ND
	Xylenes (total)	0.7	N/A	ND	0.43 J	2.8	4.6	6.3	0.039 J	0.0039 J	ND	ND	ND	ND	ND	ND
SVOC (8270)	1,2,4-Trichlorobenzene	0.7	800	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2,6 Dinitrotoluene	0.7	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Methylnaphthalene	0.7	3200	ND	2.9	22	57	39	4.2	ND	0.56	ND	ND	ND	ND	ND
	Acenaphthene	1.6	N/A	ND	0.20 J	0.95 J	1.4 J	1.1 J	0.2 J	ND	ND	ND	ND	ND	ND	ND
	Acenaphthylene	0.7	N/A	ND	ND	0.41 J	0.49 J	0.38 J	ND	ND	ND	ND	ND	ND	ND	ND
	Bis(2-Ethylhexyl)phthalate	0.7	50	ND	1.9	0.76 J	0.79 J	0.92 J	ND	0.085 J	0.24 J	ND	ND	ND	ND	ND
	Dibenzofuran	0.7	N/A	ND	ND	ND	0.86 J	0.76 J	ND	ND	ND	ND	ND	ND	ND	ND
	Fluorene	0.7	3360	ND	0.38 J	1.8	2.2	1.8	0.35 J	ND	0.065 J	ND	ND	ND	ND	ND
	Naphthalene	0.7	3200	ND	0.49 J	3.2	10	6.1	0.45 J	ND	ND	ND	ND	ND	ND	ND
	Phenanthrene	0.7	N/A	ND	0.78 J	2.9	3.5	2.8 J	0.52 J	ND	0.087 J	ND	ND	ND	ND	ND
(8310)	Benzo(a)anthracene	0.7	N/A	ND	0.16	0.19	ND	0.14	ND	ND	ND	ND	ND	ND	ND	ND
	Benzo(a)pyrene	0.7	0.0959	ND	0.024	0.032	0.023	0.022	ND	ND	ND	ND	ND	ND	ND	ND
	Benzo(b)fluoranthene	0.7	0.959	ND	0.036	0.031	0.023	0.021	ND	ND	ND	ND	ND	ND	ND	ND
	Benzo(g,h,i)perylene	0.7	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chrysene	0.7	9.59	ND	0.070 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Fluoranthene	0.7	3360	ND	0.28	0.42	0.39	0.38	0.057 J	ND	ND	ND	ND	ND	ND	ND
	Fluorene	0.7	3360	ND	0.43	1.5	1.7	1.5	0.18	ND	ND	ND	ND	ND	ND	ND
	Naphthalene	0.7	3200	ND	0.17 J	2.2	5.2	5.7	0.25 J	ND	ND	ND	ND	ND	ND	ND
	Phenanthrene	0.7	N/A	ND	1.2	3.1	2.9	3.25	0.44	ND	ND	ND	ND	ND	ND	ND
OTHER	pH			4.7	5.7	6.8	6.9	8.1	4.8	2.5	4.7	1.6	2.7	2.7	5.2	5

Chemical Class	Analyte	UTL PQL	HHRB Action Level[2]	Borehole Number and Sample Depth Interval (ft)												
				260401 1 0.2	260402 1 4-6	260403 1 9-11	260404 1 14-16	260405 1 14-16	260406 1 19-21	260501 1 0.2	260502 1 0-2	260503 1 4-6	260504 1 9-11	260505 1 9-11	260506 1 12-15	260507 1 19-21
TPH	Total petroleum hydrocarbons	N/A	100*	61500	792	21200	2000	1430	3740	5970	7240	1120	19500	24500	33600	252
SW1010	Ignitability (°F)	N/A	N/A	>160	>160	>160	>160	>160	>160	>160	>160	>160	>160	>160	>160	>160
METALS	Aluminum	13300	N/A	13400	7160	10100	9320	8090	8340	6480	4720	7280	9640	9360	6390	9550
	Barium	496	5600	213	75.2	154	103	93.9	88.3	194	205	79.4	177	156	99	86.6
	Beryllium	0.83	0.2	0.64	0.51	0.6	0.57	0.5	0.46	0.45	0.32 J	0.55	0.58	0.59	0.5	0.55
	Cadmium	N/A	40	8	ND	ND	0.35 J	ND	ND	1.1	0.68	0.42 J	ND	ND	ND	ND
	Calcium	119000	N/A	6650	5050	19000	9900	11300	13700	3630	3300	6200	31500	34700	25800	9710
	Chromium, Total	14.9	400	17.5	8.7	12.7	14.6	13.8	10.4	20	14.6	9.6	9.2	10.4	11.3	13.3
	Cobalt	11.3	N/A	12.3	7.2	7.4	9.4	7.8	6.6	5.6	4.3	8	7.1	6.7	4.6	9.3
	Copper	135	N/A	20.9	23.4	34.3	45.3	34.5	53.8	13.1	10.7	40.2	27.4	30.3	29.9	69.9
	Iron	20900	N/A	30200	18000	18500	28600	21700	16900	15500	12600	18600	18500	18300	13400	21600
	Lead	22.9	400	1610	7.1	5.9	76.3	30.2	10	1530	1430	15.2	12.1	16.6	36.5	7.6
	Magnesium	8730	N/A	8470	4020	5120	6000	5130	5910	4260	2940	4130	5800	5340	3960	7360
	Manganese	435	400	426	274	324	370	291	318	230	155	321	351	298	182	444
	Nickel	54.4	1600	15.9	8.5	10.8	12.9	12.5	10.7	9.6	8.4	8.9	10.1	9.7	11.5	12.9
	Potassium	2730	N/A	4950	1870	2220	2170	1960	2270	1860	1110	2210	2970	2340	1540	3130
	Sodium	519	N/A	126	ND	ND	ND	ND	ND	ND	ND	173	ND	133	ND	115
	Vanadium	49.2	720	58.8	32.8	33.4	56.7	41	32.4	30.5	26.3	34.5	35	35.2	27.7	40.1
	Zinc	81.6	24000	594	36.1	44	51.6	43.7	48.6	201	133	43.4	45.3	41	34	72.8
(SW7740)	Selenium	N/A	400	0.5 J	ND	ND	ND	ND	ND	0.39 J	0.51 J	ND	ND	ND	ND	ND
VOC	2-Butanone (MEK)	0.7	1	0.0091 J	0.0029 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Hexanone	0.05	N/A	ND	ND	ND	0.0019 J	ND	ND	ND	ND	0.0018 J	ND	ND	ND	ND
	Acetone	0.7	8000	0.075	0.01	ND	ND	ND	ND	ND	0.016	ND	ND	ND	ND	ND
	Ethylbenzene	0.7	8000	ND	ND	0.017 J	ND	ND	0.0015 J	ND	ND	0.0011 J	ND	0.22 J	ND	0.0014 J
	Methylene chloride	0.7	93.3	0.011	ND	0.014 J	0.0013 J	0.0018 J	0.0025 J	0.0051	0.0074	0.0021 J	ND	ND	ND	ND
	Tetrachloroethene	0.7	20000	ND	ND	0.019 J	ND	ND	0.0013 J	ND	ND	0.0011 J	ND	ND	ND	0.0013 J
	Toluene	0.7	16000	ND	ND	ND	ND	ND	0.0014 J	ND	ND	0.0017 J	ND	ND	ND	0.02
	Xylenes (total)	0.7	N/A	ND	ND	0.081	0.0013 J	ND	0.0031 J	ND	ND	0.0020 J	1.5	2	ND	0.0034 J
SVOC (SW8270)	1,2,4-Trichlorobenzene	0.7	800	ND	ND	ND	ND	ND	0.81 J	ND	ND	0.79 J	ND	ND	ND	ND
	2,4-Dinitrophenol	3.3	200	ND	ND	ND	ND	ND	ND	6.8 J	ND	ND	ND	ND	ND	ND
	Benzoic acid	0.7	N/A	ND	ND	ND	ND	ND	ND	6.7 J	ND	ND	ND	ND	ND	ND
	Pentachlorophenol	0.7	5.83	ND	ND	ND	ND	ND	ND	0.87 J	ND	ND	ND	ND	ND	ND
	2-Methylnaphthalene	0.7	3200	ND	ND	18	ND	ND	ND	ND	ND	ND	8.6	7.9	2.3	ND
	Acenaphthene	1.6	N/A	ND	ND	0.92 J	ND	ND	ND	ND	ND	ND	ND	0.98 J	0.25 J	ND
	Fluorene	0.7	3360	ND	ND	1.4 J	ND	ND	ND	ND	ND	ND	1.6 J	1.5 J	0.34 J	ND
	Naphthalene	0.7	3200	ND	ND	2.0 J	ND	ND	ND	ND	ND	ND	1.4 J	1.2 J	0.36 J	ND
	Phenanthrene	0.7	N/A	ND	ND	2.2 J	ND	ND	ND	ND	ND	ND	2.8 J	2.6 J	0.67 J	ND
	Bis(2-Ethylhexyl)phthalate	0.7	50	6.3 J	ND	ND	0.17 J	0.13 J	0.23 J	ND	5.5 J	0.26 J	0.91 J	0.84 J	0.28 J	0.102 J
(SW8310)	Benzo(a)anthracene	0.7	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.219	0.237	0.064	ND
	Benzo(a)pyrene	0.7	0.0959	0.021	ND	ND	ND	ND	ND	ND	ND	ND	0.0315	0.0339	ND	ND
	Benzo(b)fluoranthene	0.7	0.959	0.046	ND	ND	ND	ND	ND	ND	0.015	ND	0.0329	0.0342	ND	ND
	Benzo(g,h,i)perylene	0.7	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.018	ND	ND
	Chrysene	0.7	9.59	0.15	ND	0.0621 J	ND	ND	ND	ND	ND	ND	0.106 J	0.15	ND	ND
	Fluoranthene	0.7	3360	0.086 J	ND	0.185	ND	ND	ND	ND	ND	ND	0.369	0.405	0.12 J	ND
	Fluorene	0.7	3360	ND	ND	0.574	ND	ND	ND	ND	ND	ND	0.963	1.06	0.32	ND
	Naphthalene	0.7	3200	ND	ND	0.595 J	ND	ND	ND	ND	ND	ND	0.696 J	0.772 J	0.21 J	ND
	Phenanthrene	0.7	N/A	ND	ND	1.38	ND	ND	ND	ND	ND	ND	2.07	2.4	0.71	ND
OTHER	pH			12.2	4.6	7.5	4	5.8	7.4	5.4	5.2	2.7	5.7	6.9	6.9	2.7

Table 7-3 :mmary of Reportable Concentrations for Soil Analyses at Manzano Fire Training Area - I Pit, FT-14, Kirtland AFB, New Mexico[1]
,Concentrations (mg/kg)]

Chemical Class	Analyte	UTL PQL	HHRB Action Level[2]	Borehole Number and Sample Depth Interval (ft)		
				260601 1 0.2	*260602 1* 4-6	*260603 1* 9-11
TPH	Total petroleum hydrocarbons	N/A	100*	159	ND	ND
SW1010	Ignitability (°F)	N/A	N/A	>160	>160	>160
METALS	Aluminum	13300	N/A	8690	11100	8370
	Barium	496	5600	108	133	125
	Beryllium	0.83	0.2	0.5	0.66	0.52
	Cadmium	N/A	40	5900	18600	37200
	Calcium	119000	N/A	10.1	9.9	7.2
	Chromium, Total	14.9	400	7.9	9.4	6.6
	Cobalt	11.3	N/A	16	28.2	44.7
	Copper	135	N/A	20000	22800	16400
	Iron	20900	N/A	279	10.3	10.2
	Lead	22.9	400	5520	6840	7210
	Magnesium	8730	N/A	372	443	317
	Manganese	435	400	11.1	12.6	10.9
	Nickel	54.4	1600	2590	3500	2460
	Potassium	2730	N/A	ND	38.0 J	44.2 J
	Sodium	519	N/A	36.9	42.9	30.5
	Vanadium	49.2	720	139	57.7	54.3
	Zinc	81.6	24000	ND	0.0013 J	0.00121 J
(SW7740)	Selenium	N/A	400	ND	0.25 J	ND
VOC	Methyl Ethyl Ketone	0.7	48000	ND	ND	ND
	2-Hexanone	0.05	N/A	ND	0.10 J	ND
	Acetone	0.7	8000	0.12 J	ND	0.087 J
	Ethylbenzene	0.7	8000	ND	ND	ND
	Methylene chloride	0.7	93.3	ND	ND	ND
	Tetrachloroethene	0.7	20000	ND	ND	ND
	Toluene	0.7	16000	ND	ND	ND
	Xylenes (total)	0.7	N/A	ND	ND	ND
SVOC (SW8270)	1,2,4-Trichlorobenzene	0.7	800	ND	ND	ND
	2,4-Dinitrophenol	3.3	200	ND	ND	ND
	Benzoic acid	0.7	N/A	ND	ND	ND
	Pentachlorophenol	0.7	5.83	ND	ND	ND
	2-Methylnaphthalene	0.7	3200	ND	ND	ND
	Acenaphthene	1.6	N/A	ND	ND	ND
	Fluorene	0.7	3360	ND	ND	ND
	Naphthalene	0.7	3200	ND	ND	ND
	Phenanthrene	0.7	N/A	ND	ND	ND
	Bis(2-Ethylhexyl)phthalate	0.7	50	ND	ND	ND
(SW8310)	Benzo(a)anthracene	0.7	N/A	ND	ND	ND
	Benzo(a)pyrene	0.7	0.0959	ND	ND	ND
	Benzo(b)fluoranthene	0.7	0.959	ND	ND	ND
	Benzo(g,h,i)perylene	0.7	N/A	ND	ND	ND
	Chrysene	0.7	9.59	ND	ND	ND
	Fluoranthene	0.7	3360	ND	ND	ND
	Fluorene	0.7	3360	ND	ND	ND
	Naphthalene	0.7	3200	ND	ND	ND
	Phenanthrene	0.7	N/A	ND	ND	ND
OTHER	pH			5.5	4.5	2.9

Chemical Class	Analyte	PQL UTL	HHRB Action Level[2]	Borehole Number and Sample Depth Interval (ft)									
				260701 1 0.2	260702 1 4-6	260703 1 9-11	260801 1 0-0.2	260802 1 4-6	260803 1 9-11	260901 1 0.2	260902 1 4-6	260903 1 4-6	260904 1 9-11
TPH	Total petroleum hydrocarbons	N/A	100*	2480	ND	ND	1100	ND	ND	2480	ND	138	ND
SW1010	Ignitability (°F)	N/A	N/A	>160	>160	>160	>160	>160	>160	>160	>160	>160	>160
METALS	Aluminum	13300	N/A	11000	8870	7960	12700	10600	9090	6230	8000	9230	7870
	Barium	496	5600	420	99.2	117	275	114	109	154	106	131	125
	Beryllium	0.83	0.2	0.54	0.58	0.56	0.68	0.7	0.57	0.33 J	0.6	0.61	0.53
	Cadmium	N/A	40	0.52	ND	ND	0.72	ND	ND	ND	ND	ND	0.47 J
	Calcium	119000	N/A	5970	14300	29600	8520	14400	7420	3760	11000	12000	17600
	Chromium, Total	14.9	400	13.6	6.7	7	13.8	8.9	9	5.5	6.8	8.1	11.4
	Cobalt	11.3	N/A	10.2	7.3	6.5	11.6	9	8.2	5.2	6.8	8.2	7
	Copper	135	N/A	16.9	24.7	38	19.1	40.1	50.8	9.5	27	28.6	48.6
	Iron	20900	N/A	28000	16500	15700	25200	19700	18600	13000	14100	17600	15400
	Lead	22.9	400	1550	4.9 J	6.1	915	7.2	36.8	760	5.7	6.5	62.5
	Magnesium	8730	N/A	7330	5400	5810	8780	7180	6710	4.17	5190	5810	5360
	Manganese	435	400	457	351	323	566	461	401	269	349	400	326
	Nickel	54.4	1600	13.4	9.5	11.4	15.9	13.5	16.5	6.8	9.9	11.2	122
	Potassium	2730	N/A	3810	2710	1980	4310	3840	2620	2170	3130	3640	2030
	Sodium	519	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vanadium	49.2	720	51.9	30.9	28.8	44.7	36.4	31.2	22.3	26.3	33	27.3
	Zinc	81.6	24000	558	45.8	48.6	292	62.5	66.6	163	43.7	48.7	58.7
SW7841	Thallium	N/A	7.2	ND	ND	0.23 J	ND	0.21 J	ND	ND	ND	ND	ND
VOC	Methyl Ethyl Ketone	0.7	48000	ND	ND	ND	ND	ND	ND	0.0031 J	ND	ND	ND
	Acetone	0.7	8000	0.0058 J	ND	ND	0.013	ND	ND	0.014	ND	ND	ND
	Methylene chloride	0.7	93.3	0.0035	0.0012 J	0.0024 J	0.0018 J	0.0062	0.0059	ND	0.0068	0.0043	0.0066
	Toluene	0.7	16000	0.007	ND	ND	ND	ND	ND	ND	0.0020 J	ND	ND
	Xylenes (total)	0.7	N/A	0.0056	ND	ND	ND	ND	ND	ND	0.0016 J	ND	ND
SVOC	Benzoic Acid	0.7	N/A	2.3 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2,4-Dinitrophenol	3.3	200	0.20 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bis(2-Ethylhexyl)phthalate	0.7	50	1.4	ND	ND	0.2 J	ND	0.096 J	0.26 J	ND	0.086 J	0.3
OTHER	pH			3.6	2.6	3.3	3.7	2.9	3.5	2.5	4	3.3	3.7

Chemical Class	Analyte	PQL UTL	HHRB Action Level[2]	Borehole Number and Sample Depth Interval (ft)					
				261001 1 0.2	261002 1 4-6	261003 1 9-11	261101 1 0.2-0.6	261102 1 4.0-6.0	261103 1 9.0-11.0
TPH	Total petroleum hydrocarbons	N/A	100*	122	ND	ND	121	103	ND
SW1010	Ignitability (°F)	N/A	N/A	>160	>160	>160	>160	>160	>160
METALS	Aluminum	13300	N/A	12400	8660	8100	11200	8790	6710
	Barium	496	5600	158	126	80.9	100	98.2	113
	Beryllium	0.83	0.2	0.6	0.58	0.61	0.59	0.59	0.53
	Cadmium	N/A	40	0.34 J	ND	ND	ND	ND	ND
	Calcium	119000	N/A	7260	22300	6420	12100	14300	45900
	Chromium, Total	14.9	400	13.6	8	10.9	12.6	8.4	5.8
	Cobalt	11.3	N/A	11.1	7.6	6.8	10.4	8.1	4.8
	Copper	135	N/A	19.8	47.9	81.9	15.9	59.6	89.8
	Iron	20900	N/A	26800	15300	18100	27500	18500	10500
	Lead	22.9	400	158	7.1	7	235	7.7	4.2 J
	Magnesium	8730	N/A	7770	5970	4770	7420	6140	5190
	Manganese	435	400	510	356	310	470	421	202
	Nickel	54.4	1600	15.8	11.5	11.1	13.3	13.1	18.1
	Potassium	2730	N/A	3920	2700	2170	3750	2650	1730
	Sodium	519	N/A	ND	ND	67.0 J	ND	ND	ND
	Vanadium	49.2	720	50	29.4	33.4	51.6	33	19.5
	Zinc	81.6	24000	97.9	54.2	59.8	375	63.4	56.6
SW7841	Thallium	N/A	N/A	ND	0.22 J	ND	ND	ND	ND
VOC	Acetone	0.7	8000	0.0088 J	ND	0.0091 J	ND	0.0057 J	0.0059 J
	Methylene chloride	0.7	93.3	ND	0.0012 J	0.0014 J	ND	0.0014 J	0.0013 J
	Xylenes (total)	0.7	160000	ND	ND	0.0013 J	ND	0.0045 J	0.0016 J
SVOC	Di-n-octyl phthalate	0.7	N/A	0.065 J	ND	ND	ND	0.42	ND
(SW8270)	Bis(2 Ethylhexyl)phthalate	0.7	N/A	0.077 J	ND	ND	ND	0.76	0.56
(SW8310)	Benzo(b)fluoranthene	0.7	N/A	0.015	ND	ND	ND	ND	ND
OTHER	pH			2.7	3.5	2.8	2.2	3.7	4.3

1 Complete laboratory analytical results including method detection limits are presented in the ITIR appendices.

2 Action Level Proposed Rule RCRA Subpart S Action Levels (55 FR 30814, 7/27/90).

*; TPH action level is 100 mg/kg adopted from NM UST regulations (USGS 2B Work Plan 3.6, NM El Board, 1990). SW-8015 analyzes volatile and semivolatile petroleum hydrocarbon fractions separately. The total concentration of the two fractions analyzed under 8015 will be used to assess compliance with stipulated action levels for the purpose of this RFI.

PQL; Practical Quantitation Limits (defines VOC, SVOC and TPH).

pCi/g; Picocuries per gram.

VOC; Volatile Organic Compounds.

TPH; Total Petroleum Hydrocarbons.

RAD; Radionuclides.

ND; Not Detected above the method detection limit.

U; Accept data (positive results may be influenced by lab contamination).

RE; Resample.

NA; Not Analyzed

UTL; Upper Tolerance Limits (defines METALS)

HHRB; Human Health Risk Based.

SVOC; Semivolatile Organic Compounds.

FR; Field Replicate.

UJ; Estimated Nondetect.

J; Estimated value.

R; Reject NDs due to interference.

--; No Data.

Petroleum Hydrocarbons

Petroleum hydrocarbons were detected in the majority of samples from the western pit with concentrations ranging from ND to 61,500 mg/kg. The highest TPH concentrations (35,500 and 61,500 mg/kg) were present in the surface soil samples collected from the two boreholes located where discolored soil was observed (2601 and 2604 respectively). Petroleum hydrocarbons were persistent with depth in the 19- to 21-ft samples from each borehole containing TPH at concentrations ranging from 252 to 23,800 mg/kg. The 9- to 11-ft and 14- to 16-ft samples from all borings showed higher TPH levels than the samples from 4 to 6 ft in the corresponding borings. In those borings outside of the area of discolored soil the 19- to 21-ft samples showed a decrease in TPH concentrations from the previous two sample depths (9- to 11-ft and 14- to 16-ft). In the 83-ft-deep borehole, 2603, TPH was not detected below 50 ft. Based on the results of the soil gas survey, the affected area appears to be limited to the fire training pit and does not extend beyond the site boundary.

Metals

Beryllium was detected in all soil samples above the HHRB action level of 0.2 mg/kg, but below the UTL of 0.83 mg/kg. Beryllium ranged from an estimated 0.32 to 0.69 mg/kg. Lead was detected above the HHRB action level of 400 mg/kg in the surface soils at all six sample locations in the western pit. Lead concentrations ranged from 980 to 2,570 mg/kg. Arsenic was present in the 9- to 11-ft and 14- to 16-ft sample collected from borehole 2603 at estimated concentrations of 6 and 6.3 mg/kg, respectively (above the HHRB action level of 0.39 mg/kg) but not in the replicate sample. Manganese was detected above the HHRB level of 400 mg/kg in the 4- to 6-ft samples from 2601, 2602, and 2603; the surface sample from 2603 and 2604; and the 19- to 21-ft sample from 2605. Concentrations ranged from 406 to 481 mg/kg. The beryllium and manganese concentrations may be naturally occurring at Kirtland AFB as discussed in Section 4.2.2.

7.4.2 Eastern Fire Training Pit Analytical Results

Organic Compounds

Soil samples collected from the eastern fire training pit contained similar constituents as those found in the western pit, but with fewer detections and lower concentrations (Table 7-3). No VOCs or SVOCs were detected above HHRB action levels in the soil samples collected from the eastern pit. No VOCs were detected in any of the soil gas samples taken around the perimeter of the burn pit. Ignitability was determined to be greater than 160° F for all samples.

Petroleum Hydrocarbons

TPH was present above the HHRB action level in all surface soil samples collected from the eastern pit and also the 4- to 6-ft samples from boreholes 2609 and 2611. Concentrations ranged from 103 to 2,480 mg/kg, with the highest concentrations present in the surface soils.

Metals

Beryllium was found in every sample collected from the eastern pit at concentrations above the HHRB action level of 0.2 mg/kg but below the UTL of 0.83 mg/kg. Beryllium ranged from 0.33 to 0.70 mg/kg. Manganese was detected above the HHRB action level of 400 mg/kg in the surface samples from 2607, 2608, 2610, and 2611; the 4- to 6-ft samples from 2606, 2608, 2609, and 2611; and the 9- to 11-ft sample from 2608. These concentrations ranged from 400 to 566 mg/kg. Lead was present in surface samples at concentrations above the HHRB action level of 400 mg/kg at locations 2606, 2607, 2608, and 2609 at concentrations of 5520 mg/kg, 1550 mg/kg, 915 mg/kg, and 760 mg/kg, respectively. In borehole 2606, lead concentrations were above the HHRB action level in all samples. The beryllium and manganese concentrations may be naturally occurring at Kirtland AFB as discussed in Section 4.2.2.

7.5 Conclusions and Recommendations

Conclusions

Western Fire Training Pit

- Petroleum hydrocarbons lead, beryllium, arsenic, and manganese were present above the HHRB action levels in soils from the western pit. No SVOCs or VOCs above HHRB action levels were detected in any of the samples.

- Petroleum hydrocarbons were present in the majority of the samples collected from the western pit with highest concentrations (35,500 and 61,500 mg/kg) present in surface soil samples collected where discolored soil was observed. Petroleum hydrocarbons, persistent with depth, had concentrations ranging from 252 to 23,800 mg/kg in the 19- to 21-ft samples collected from each borehole. In the deep borehole (borehole 2603 to 83 ft), TPH was not detected below 50 ft.

- Lead was present above the HHRB action level of 400 mg/kg in all surface soil samples collected from the western pit. Beryllium was above the HHRB action level of 0.2 mg/kg in every sample. These concentrations of beryllium appear to be naturally occurring throughout Kirtland AFB.

- Manganese was above the HHRB action level of 400 mg/kg in many of the samples. These concentrations of manganese appear to be naturally occurring throughout Kirtland AFB.

- Based on the results of the soil gas survey, the laterally affected area appears to be limited to the fire training pit and does not extend beyond the site boundary.

Eastern Fire Training Pit

- Soil samples collected from the eastern pit contained the same constituents as the western pit, but with fewer detections and lower concentrations. Petroleum hydrocarbons, lead, beryllium, and manganese were present above HHRB action levels in the eastern pit samples. No VOCs or SVOCs above HHRB action levels were detected in these samples.

- Petroleum hydrocarbons were present in the surface soil samples and the 4- to 6-ft samples from boreholes 2609 and 2611. TPH was above the HHRB action level in all surface soil samples with concentrations ranging from 121 to 2,480 mg/kg.

- Within the discolored soil area, lead was present in four surface soil samples above the HHRB action level of 400 mg/kg.

- Beryllium was present above the HHRB level of 0.2 mg/kg in every sample collected from the eastern pit. These beryllium concentrations appear to be naturally occurring throughout Kirtland AFB.

- In many of the samples, manganese was above the HHRB action level of 400 mg/kg. These manganese concentrations appear to be naturally occurring throughout Kirtland AFB.

- Based on the results of the soil gas survey, the laterally affected area appears to be limited to the fire training pit and does not extend beyond the site boundary.

Recommendations

- Interim Corrective Actions, consisting of limited soil removal, should be implemented at the eastern and western pits of the Manzano Fire Training Area to address surface soil TPH and lead concentrations above HHRB action levels. Further characterization should be conducted to accurately determine the exact amount of soil that is affected.

- A Corrective Measures Study should be implemented at the site to address the vertical extent of contamination in the western pit.

8.0 Sites ST-326, Used Oil Underground Storage Tank; ST-255, ST-256, ST-257, and ST-258, Oil/Water Separators

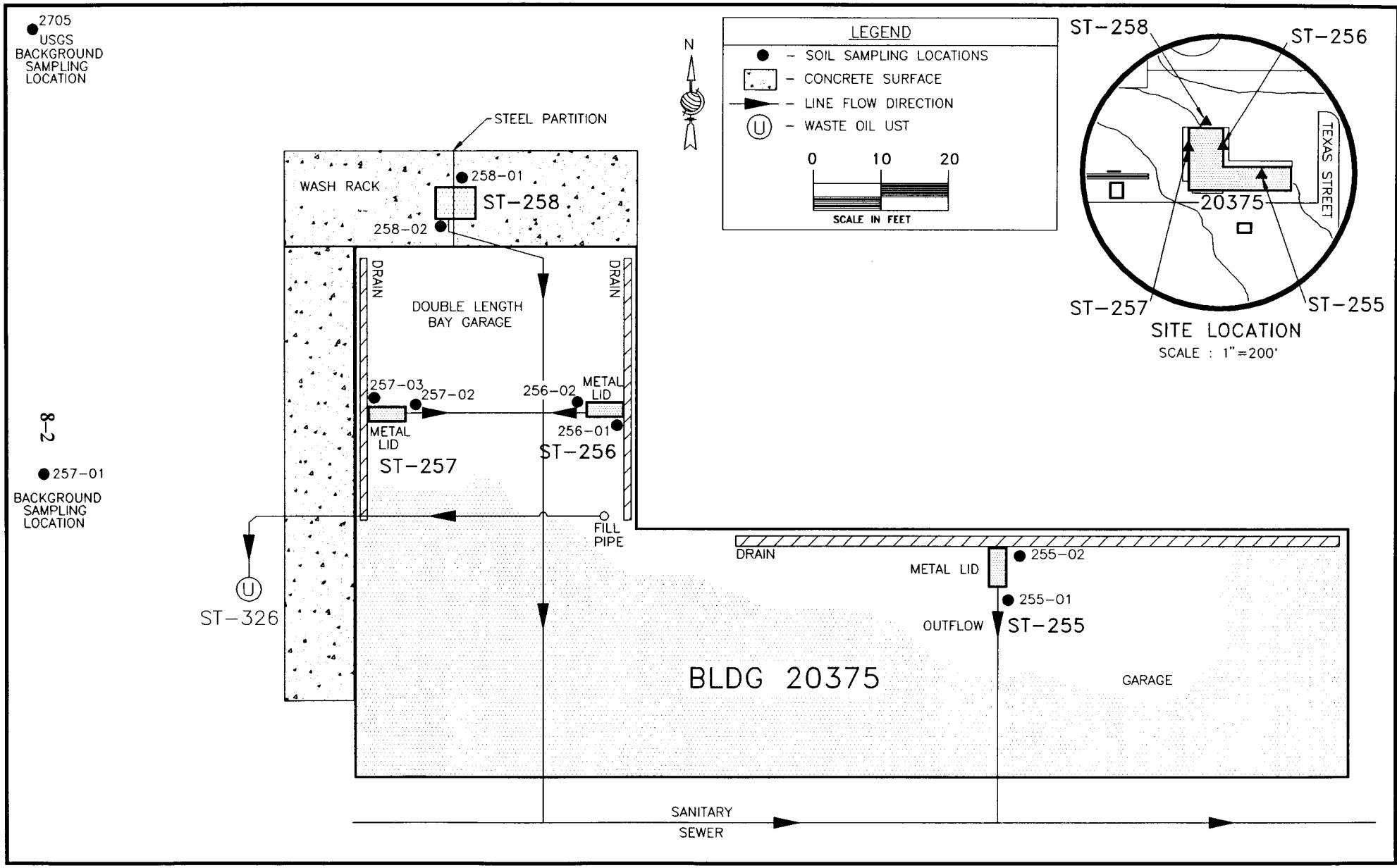
8.1 Site Background and Environmental Setting

These sites are in the western portion of Kirtland AFB at building 20375, the Auto Hobby Shop (Figure 8-1). Used oil UST ST-326 is outside near the southeast corner of the building. OWS ST-258 is at a vehicle wash rack at the north end of the building. OWSs ST-256, ST-257, and ST-258 are inside the building. Potential overflow runoff from these units would be confined to the service bays and asphalt parking area surrounding the building. The four OWSs were investigated by Kirtland AFB on July 28-29, 1994. The UST was investigated by the USGS on October 8-14, 1993.

UST ST-326 is used for waste engine oil disposal. It is located under the asphalt driveway about 15 ft west of the paint shop bay on the west side of building 20375. It is unknown how long this UST has been in service. The unit is made of stainless steel and has an estimated 500-gallon capacity. It receives waste liquids via a buried pipeline that leads from a disposal drain located in the service bay to the south of ST-256 and attaches to the vertical fill pipe of the UST (Figure 8-1). Site drawings show the tank oriented east-west. A 1-ft-diameter manhole marks the location of the fill pipe used to pump out the tank when it is full, typically every 3 to 4 months. These waste materials are disposed off site by contractors. The UST is periodically leak tested and successfully passed a tracer leak test on October 3, 1993. The tracer test was capable of detecting leaks as low as 0.05 gallons per hour with a 97-percent detection probability.

Active OWS ST-255 is located in the east service bay area of building 20375. It is made of concrete, has a metal cover, and is 5.5 ft long, 2.5 ft wide, and 3 ft deep. The OWS receives runoff from a floor drain spanning the width of these service bays. It discharges south to a sanitary sewer lateral along the south side of the building (Figure 8-1). This lateral drains east into the main sanitary sewer located on the west side of Texas Street.

Active OWSs ST-256 and ST-257 are located in the north wing of building 20375. Both separators are made of concrete, have metal covers, and are 5.7 ft long, 2.5 ft wide, and 3 ft deep. ST-256 is on the west side of the building and receives runoff from the floor drain that spans the length of the western service bays. ST-257 is on the east side and receives runoff from the eastern bay floor drain. Both separators discharge south to the sewer lateral along the south side of the building. This lateral drains east into the main sanitary sewer located on the west side of Texas Street (Figure 8-1).



SOIL SAMPLING LOCATIONS AT OIL/WATER SEPARATORS ST-255, ST-256, ST-257 & ST-258, BUILDING 20375

FIGURE 8-1

RCRA FACILITY INVESTIGATION STAGE 2B KIRTLAND AIR FORCE BASE, NEW MEXICO

OWS ST-258 is associated with a vehicle wash rack at the north end of building 20375. The wash rack is covered by a metal roof the same height as the building and is open along the north side. A metal partition beginning 1 ft above the floor and ending at a height of 7 ft separates the wash rack into two portions. ST-258 is made of concrete and is 5.8 ft long, 4.4 ft wide, and 3 ft deep. The eastern half of the OWS is covered by a metal grate and the western half is covered by a solid metal lid. The western half is no longer in use, while the eastern half is still operated as a car wash. This unit drains south and connects into the drain line for ST-256 and ST-257 (Figure 8-1).

Building 20375 is in the urban/industrial environmental zone, which is discussed in Section 2.0. The nearest production wells to building 20375 are KAFB-1, located 600 ft northwest, KAFB-7, located 4,500 ft to the southwest, and KAFB-3, located 6,000 ft to the north-northwest (Figure 2-11).

8.2 Study Area Investigation

Possible source materials were not investigated in this study. Previous investigations sampled source materials as described below.

8.2.1 Previous Investigations

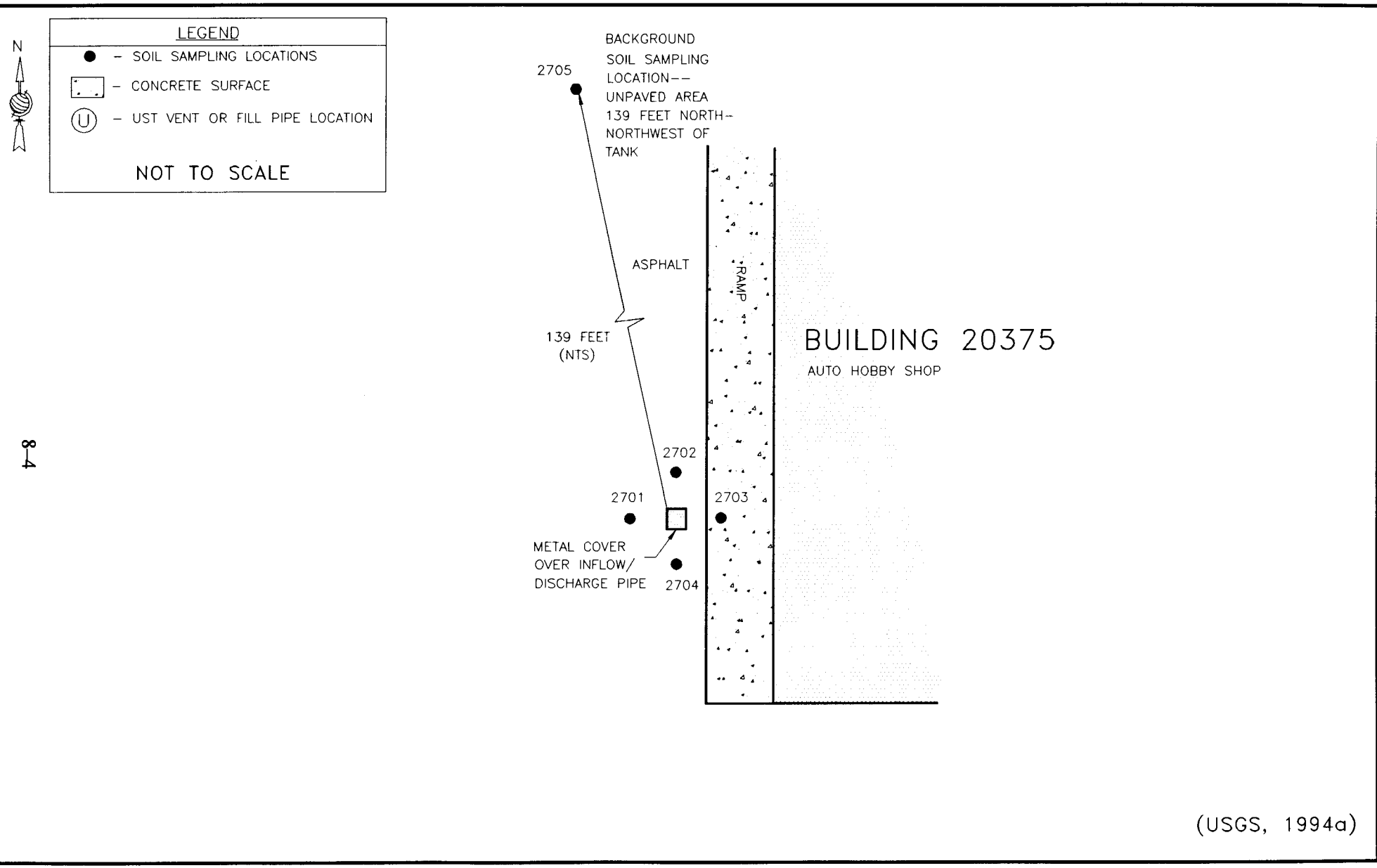
In 1991 and 1992, a Kirtland AFB environmental contractor sampled materials contained in the OWSs. The 1991 samples contained up to 14,100 mg/kg TPH. The 1992 samples contained up to 219 mg/kg TOX and 16.4 mg/kg lead. Full results for these samplings are presented in Appendix B of the Stage 2B Work Plan (USGS, 1993a).

8.2.2 Data Gaps

The main objective of this investigation was to determine if contamination is present in the subsurface soil adjacent to the OWSs and UST. A secondary objective was to determine the unit outflow and potential overflow runoff destinations.

8.2.3 RFI Field Investigation

ST-326 was one of six sites investigated between September 9, 1993, and February 3, 1994 (USGS, 1994a). Five boreholes were drilled and sampled using a Geoprobe system at ST-326 (Figure 8-2). Four boreholes were located next to the tank. One borehole was located in an unpaved area 139 ft north-northwest of the tank to collect background concentration data. Two composite samples were collected for laboratory analysis from each borehole at depths equal to, and 5 ft below the UST base (i.e., 6 to 8 ft, and 11 to 13 ft, below grade). One of the four 6-in. brass sleeves in the 2-ft-long



8-4

SOIL SAMPLING LOCATIONS AT WASTE OIL UNDERGROUND UST ST-326, BUILDING 20375

FIGURE 8-2

RCRA FACILITY INVESTIGATION STAGE 2B KIRTLAND AIR FORCE BASE, NEW MEXICO

Geoprobe sample tube was capped for VOC analysis. Sample jars for the other analyses were then directly filled with soil composited from the three remaining brass sleeves. Two composite soil samples were collected at the background location from depth intervals of 6 to 12 ft and 13 to 15 ft (USGS, 1994a).

On June 28-29, 1994, nine boreholes were drilled and sampled at ST-255, ST-256, ST-257, and ST-258 using a Geoprobe system. Boreholes were located as close as possible to inflow and outflow points at each OWS. Since no distinct inflow point to OWS ST-258 exists, the second sampling point was located on the side opposite the outflow point (Figure 8-1). One borehole was located west of building 20375, in an area away from any known or suspected contamination, to collect background concentration data for these sites. Sampling operations and sample handling procedures are described in Section 3.0 of this report.

Borehole locations, sample depths, and replicate samples collected at each site at building 20375 are listed in Table 8-1. Sampling operations and sample handling procedures for work performed by Kirtland AFB are described in Section 3.0. Sampling operations and procedures performed by the USGS are described in an unpublished USGS report (USGS, 1994a).

8.2.4 Laboratory Analysis

Twenty-one soil samples were collected at the four OWSs. These samples were analyzed for VOCs, SVOCs, TPH, metals, mercury (the expected contaminants associated with normal operations at this building), soil pH, and soil moisture. The four brass tubes in each 2-ft sample interval were field screened for possible contamination using gamma and beta-gamma meters and either a PID or an FID organic vapor meter.

Eleven soil samples, including one replicate, were collected at UST ST-326. These were analyzed for VOCs, SVOCs, TPH, metals, pH, and moisture. The USGS field screened soil samples for possible VOC contamination using a PID.

Table 8-1. Boreholes and Samples Collected at OWSs ST-255, ST-256, ST-257 and Used Oil UST ST-326.

Site	Borehole	Borehole Location	Sample Depths (ft)
ST-255	01	Near OWS outflow	3-5
			8-12[a]
	02	Near OWS inflow	3-5
			8-10
ST-256	01	Near OWS inflow	3-5
			8-10
	02	Near OWS outflow	3-5
			8-10
ST-257	01	Background borehole 54 ft west of building 20375	3-5
			8-12[a]
	02	Near OWS outflow	3-7
			8-10
	03	Near OWS inflow	3-5
			8-10
ST-258	01	Near OWS inflow	3-5
			8-10
	02	Near OWS outflow	3-5
			8-10
ST-326	2701	Depth of UST base (6.5 ft)	6.5-10.5
		Depth 5 ft below UST base (11.5 ft)	11.5-14.5
	2702	Depth of UST base	7-11
		Depth 5 ft below UST base	12.5-18.5
	2703	Depth of UST base	8.0-12.3
		Depth 5 ft below UST base	13-17
	2704	Depth of UST base	7-13
		Depth 5 ft below UST base	13-17
	2705	USGS background borehole 139 ft N-NW of building 20375	6-12[a]
		Depth 5 ft below UST base	13-15

a. = Replicate sample also collected in this depth interval.

8.3 Site Characteristics

8.3.1 Geology

The building 20375 area is underlain by unconsolidated alluvial sediments. These sediments are predominantly very fine-grained to fine-grained silty sands and sands. Occasional clayey sand intervals are present, and a 0.5-ft-thick gravel layer was encountered in borehole ST-257-03 approximately 9.25 ft below grade. Caliche was present in all boreholes as stained or mottled intervals, discrete patches, and once as thin horizontal stringers. Fourteen boreholes were drilled at building 20375. The deepest borehole reached a depth of 17 ft. No boreholes penetrated into the Santa Fe Group sediments that presumably underlie this area. A discussion of the general geology at Kirtland AFB is presented in Section 2.4.

As a result of OWS and UST installation, it is probable that backfill material is present to a depth at least equal to the OWS' or UST's depth. The USGS did not prepare boring logs for the five boreholes drilled at ST-326. Soil boring logs for 9 of the 14 boreholes at building 20375 are presented in Appendix C.

8.3.2 Hydrogeology

Groundwater beneath this area is found within the Upper Santa Fe sediments and is generally thought to be unconfined in the upper portion of the aquifer. This area is within the HR1 saturated zone setting as defined by SNL studies (Figure 2-9) (SNL, 1994). Hydrologic characterization in this portion of Kirtland AFB is complicated by the presence of numerous production wells (Figure 2-11). It is probable that uniform groundwater conditions do not exist in this region. Local cones of depression associated with groundwater withdrawal have altered the groundwater flow direction in the vicinity of the well fields (Figure 2-7).

It is probable that the gradient is northwesterly in this area. Production wells KAFB-1, located 600 ft northwest, and KAFB-3, located 6,000 ft north-northwest, are believed to be downgradient of the building (Figures 2-7 and 2-11). Depth to groundwater is estimated to be about 350 ft below grade; however, shallower, perched water zones may occur (Figure 2-10). Hydraulic conductivity within HR1 is estimated at 2 to 171 ft/day (SNL, 1994). A general discussion of the hydrogeology at Kirtland AFB is presented in Section 2.5.

8.4 Nature and Extent of Contamination

The following subsections describe the nature and extent of contamination based on sampling results. Analytical results for soil samples at ST-326, ST-255, ST-256, ST-257, and ST-258 are presented in Tables 8-2 through 8-6, where only reportable concentrations of detected analytes are listed. Full analytical results are presented in Appendix G. Laboratory validation reports are presented in Appendix K.

8.4.1 ST-326 Analytical Results

Organic Compounds

VOC analytes detected in soil samples collected at ST-326 include: acetone, 1,2-dichloropropane, methylene chloride, and 1,1,1-trichloroethylene (Table 8-2). Acetone and methylene chloride were detected in almost all USGS samples, including those from the background borehole. Acetone concentrations ranged from non-detect to 0.017 mg/kg. Methylene chloride concentrations ranged from 0.0018 to 0.014 mg/kg. Most values were below the quantitation limit and are estimated. 1,1,1-Trichloroethane was detected in the 8- to 12.3-ft and 13- to 17-ft samples from borehole 2703 at 0.00129 and 0.0014 mg/kg, respectively. 1,1,1-Trichloroethylene was also detected at 0.00101 mg/kg in the 7- to 11-ft sample from USGS borehole 2702. All of these values were below the quantitation limit and are estimated. 1,2-dichloropropane was detected (0.003 mg/kg) in the 6.5- to 10.5-ft sample from borehole 2701. All concentrations were below HHRB action levels.

Petroleum Hydrocarbons

No petroleum hydrocarbons were detected in soil samples collected at ST-326 (Table 8-2).

Metals

Beryllium was the only metal detected at concentrations that exceed the associated HHRB action level of 0.2 mg/kg. It was detected in 11 samples, including those from the background borehole, at concentrations ranging from 0.40 to 0.84 mg/kg (Table 8-2). These concentrations of beryllium appear to be naturally occurring throughout Kirtland AFB as discussed in Section 4.2.2.

Soil pH and Moisture

Soil pH values ranged from 8.0 to 9.3. Soil moisture values ranged from 6.5 to 11.8 percent (Table 8-2).

Table 8-2. Summary of Reportable Concentrations for Soil Analyses at Used Oil UST ST-326, Bldg. 20375 Kirtland AFB, New Mexico[1] [Concentrations (mg/kg)]

Chemical Class	Analyte	PQL / UTL	HHRB Action Level[2]	Borehole Number and Sample Depth Interval (ft)					
				270101 1	*270102 1*	*270201 1*	*270202 1*	*270301 1*	*270302 1*
				6.5-10.5	11.5-14.5	7-11	12.5-18.5	8-12.3	13-17
VOC	1,1,1-Trichloroethane	0.005	N/A	ND	ND	0.00101 J	ND	0.00129 J	0.00143 J
	1,2-Dichloropropane	0.005	N/A	0.00342	ND	ND	ND	ND	ND
	Acetone	0.7	8000	0.00573 J	ND	0.00513 J	0.00396 J	ND	ND
	Methylene Chloride	0.7	93.3	0.00197 J	0.00251 J	0.00241 J	0.0026 J	0.00197 J	0.00188 J
SVOC	Bis(2-Ethylhexyl)Phthalate	0.7	50	ND	ND	ND	ND	ND	ND
METALS	Aluminum	13300	N/A	7810	5590	11200	6610	9080	6650
	Barium	496	5600	128	174	156	185	66.8	112
	Beryllium	0.83	0.2	0.52	0.44	0.74	0.44 J	0.51	0.40 J
	Cadmium	N/A	40	ND	ND	0.50 J	ND	ND	ND
	Calcium	119000	N/A	26000	38500	56400	19200	45700	21700
	Chromium, Total	14.9	400	6.4	6.5	9.2	6.4	8.1	5.8
	Cobalt	11.3	N/A	5.9	4.3	6.3	4.3 J	5.5	3.8 J
	Copper	135	N/A	6.2	9.6	7.5	8.3	8.6	5.9
	Iron	20900	N/A	14300	11300	15300	12000	13600	11100
	Lead	22.9	400	5.2 J	4.0 J	6.1	4.0 J	6.1	5.0 J
	Magnesium	8730	N/A	5670	4020	6930	3240	6470	3400
	Manganese	435	400	289	210	255	152	287	170
	Nickel	54.4	1600	8.6	80.3	10.7	6.2 J	9.6	6.7
	Potassium	2730	N/A	1470	1200	1930	1480	1600	1370
	Silver	N/A	400	ND	ND	ND	ND	ND	ND
	Sodium	519	N/A	245	107	112	112 J	ND	169
	Vanadium	49.2	720	29.4	24.4	33.3	22.1	33.4	20.4
	Zinc	81.6	24000	36.6	29	37.5	23.9	34.8	23.7
OTHER	Moisture (%)			7.8	6.5	11.1	11.4	10.1	7.1
	pH			9.3	8.9	9.1	9.1	9.1	9.1

Ψ Complete table footnotes can be found at the end of this section.

Chemical Class	Analyte	PQL UTL	HHRB Action Level[2]	Borehole Number and Sample Depth Interval (ft)				
				270401 1 7-13	*270402 1* 13-17	*270501 1* 6-12	*270502 1* 6-12	*270503 1* 13-15
VOC	1,1,1-Trichloroethane	0.005	N/A	ND	0.0033	ND	ND	ND
	1,2-Dichloropropane	0.005	N/A	ND	ND	ND	ND	ND
	Acetone	0.7	8000	ND	0.00549 J	0.0179	0.00675 J	ND
	Methylene Chloride	0.7	93.3	0.00176 J	0.00107 J	0.00313 J	0.00185 J	0.0149
SVOC	bis (2-Ethylhexyl)phthalate	0.7	50	ND	0.143 J	ND	ND	ND
METALS	Aluminum	13300	N/A	5880	6540	5750	6230	8870
	Barium	496	5600	101	53	42.7	56.1	156
	Beryllium	0.83	0.2	0.42 J	0.42 J	0.84	0.49	0.61
	Cadmium	N/A	40	ND	ND	ND	0.50 J	0.38 J
	Calcium	119000	N/A	18000	25500	47900	45200	55300
	Chromium, Total	14.9	400	6.3	6.9	4.8	4.1 J	7
	Cobalt	11.3	N/A	4.2 J	4.5	4.1 J	4.2 J	7.2
	Copper	135	N/A	16.6	8.1	17.5	9.5	10.1
	Iron	20900	N/A	10900	11300	10600	10700	13200
	Lead	22.9	400	5.5	5.6	ND	4.0 J	ND
	Magnesium	8730	N/A	4050	3570	5210	5730	7530
	Manganese	435	400	229	176	154	185	321
	Nickel	54.4	1600	7.3	8.3	6.7	7.5	60.3
	Potassium	2730	N/A	1230	1420	1130	1260	1980
	Silver	N/A	400	ND	ND	ND	ND	ND
	Sodium	519	N/A	188	330	ND	ND	ND
	Vanadium	49.2	720	21.8	20.5	29.8	29	31.1
	Zinc	81.6	24000	28.9	25.1	25	27.6	38
OTHER	Moisture (%)			9	8.7	6.5	6.6	11.8
	pH			9.2	9	8.4	8.4	8

Ψ Complete table footnotes can be found at the end of this section.

Table 8-3. Summary of Reportable Concentrations for Soil Analyses at OWS ST-255, Bldg. 20375, Kirtland AFB, New Mexico [Ψ,1]
[Concentrations (mg/kg)]

Chemical Class	Analyte	PQL UTL	HHRB Action Level[2]	Borehole Number and Sample Depth Interval (ft)				
				ST-255-01			*ST-255-02*	
				3–5	8–12	8–12 FR	3–5	8–10
VOC	Acetone	0.1	8000	ND	0.0021 J	ND	0.0066 J	0.016
	Methyl Ethyl Ketone	0.1	48000	ND	ND	ND	ND	0.0040 J
	Methylene Chloride	0.005	93.3	0.0059	0.0060	0.0099	0.0063	0.0064
SVOC	Phenol	0.3	48000	ND	ND	ND	ND	0.18
TPH	Diesel Fraction	10	100	ND	0.59	0.18	ND	0.11
METALS	Aluminum	13300	N/A	4010	5380	8160	5630	5900
	Barium	496	5600	685	145	120	562	111
	Beryllium	0.83	0.2	0.33	0.42	0.65	0.46	0.43
	Cadmium	N/A	40	ND	0.52	ND	ND	ND
	Calcium	119000	N/A	174000	21400	26000	187000	28200
	Chromium, Total	14.9	400	4.2	6.4	9.1	5.3	6.4
	Cobalt	11.3	N/A	2.9	6.0	6.5	3.9	5.2
	Copper	135	N/A	19.0	35.4	59.4	22.1	24.2
	Iron	20900	N/A	4330	10700	12800	5640	9700
	Lead	22.9	400	8.4	3.5	5.7	5.7	6.4
	Magnesium	8730	N/A	4700	4240	4860	8740	4180
	Manganese	435	400	55.5	236	277	67.0	179
	Mercury	N/A	20	ND	ND	ND	ND	ND
	Molybdenum	N/A	400	ND	ND	ND	ND	ND
	Nickel	54.4	1600	4.1	5.6	9.6	4.6	6.6
	Potassium	2730	N/A	563	1290	1740	588	1130
	Selenium	N/A	400	ND	ND	ND	ND	ND
	Silver	N/A	400	ND	ND	ND	ND	ND
	Sodium	519	N/A	121	184	372	146	205
	Thallium	N/A	7.2	ND	ND	ND	ND	ND
	Vanadium	49.2	720	14.6	28.3	29.6	20.7	27.9
	Zinc	81.6	24000	18.0	39.7	49.0	19.8	30.6
OTHER	Moisture (%)			10.4	4.4	7.5	13.7	7.2
	pH			8.0	8.5	8.9	8.1	8.4

Ψ Complete table footnotes can be found at the end of this section.

Table 8-4. Summary of Reportable Concentrations for Soil Analyses at OWS ST-256, Bldg. 20375, Kirtland AFB, New Mexico [Ψ,1]
[Concentrations (mg/kg)]

Chemical Class	Analyte	PQL UTL	HHRB Action Level[2]	Borehole Number and Sample Depth Interval (ft)			
				ST-256-01		*ST-256-02*	
				3–5	8–10	3–5	8–10
VOC	Methylene Chloride	0.005	93.3	0.0067 U	0.0060	0.0058 U	0.0066
TPH	Diesel Fraction	10	100	0.58	0.97	0.9	0.65
METALS	Aluminum	13300	N/A	8910	8370	7400	9720
	Barium	496	5600	466	255	518	146
	Beryllium	0.83	0.2	0.58 U	0.55	0.56 U	0.57
	Cadmium	N/A	40	ND	ND	ND	0.92
	Calcium	119000	N/A	129000	52400	101000	38900
	Chromium, Total	14.9	400	7.4	8.4	7.0	9.6
	Cobalt	11.3	N/A	4.2 U	5.9	3.7 U	7.9
	Copper	135	N/A	18.9 J	16.0	15.2 J	30.8
	Iron	20900	N/A	8900	11500	8190	13800
	Lead	22.9	400	4.2	ND	ND	6.4
	Magnesium	8730	N/A	8180	5210	6010	7500
	Manganese	435	400	124	174	96.1	332
	Nickel	54.4	1600	5.1	4.3	6.4	13.0
	Potassium	2730	N/A	1270 J	1430	1020 J	1820
	Sodium	519	N/A	145 J	344	301 J	642
	Vanadium	49.2	720	43.2 J	31.2	32.4 J	36.6
	Zinc	81.6	24000	24.3 J	30.7	21.6 J	50.4
OTHER	Moisture (%)			13.9	9.5	10.8	12.9
	pH			8.3	8.7	8.2	8.4

Ψ Complete table footnotes can be found at the end of this section.

Table 8-5. Summary of Reportable Concentrations for Soil Analyses at OWS ST-257, Bldg. 20375, Kirtland AFB, New Mexico [Ψ,1]
[Concentrations (mg/kg)]

Chemical Class	Analyte	PQL UTL	HHRB Action Level[2]	Borehole Number and Sample Depth Interval (ft)						
				ST-257-01			*ST-257-02*		*ST-257-03*	
				3–5	8–12	8–12 FR	3–7	8–10	3–5	8–10
VOC	Acetone	0.1	8000	ND	ND	0.013	ND	ND	ND	ND
	Methylene Chloride	0.005	93.3	0.0086	ND	0.011	0.0066 U	0.0063	0.0068	0.0055
TPH	Diesel Fraction	10	100	1.8	0.69	0.7	0.41	1.2	0.57	0.22
METALS	Aluminum	13300	N/A	8460	13100	15000	7890	6870	5490	7710
	Barium	496	5600	130	142	122	135	158	168	101
	Beryllium	0.83	0.2	0.48	0.92	1.0	0.55 U	0.44	0.32	0.43
	Cadmium	N/A	40	ND	0.58	0.81	ND	0.76	ND	1.2
	Calcium	119000	N/A	156000	61300	56200	106000	59900	45400	54000
	Chromium, Total	14.9	400	8.0	14.9	14.3	7.3	8.5	5.0	7.6
	Cobalt	11.3	N/A	5.2	9.7	9.8	5.7	4.6	4.8	6.4
	Copper	135	N/A	41.3	23.5	37.8	16.5 J	18.4	18.0	15.0
	Iron	20900	N/A	9850	19500	19600	8540	9100	7910	10600
	Lead	22.9	400	5.6	9.0	9.0	ND	3.5	4.8	5.5
	Magnesium	8730	N/A	8080	8560	8210	5510	4760	3200	5440
	Manganese	435	400	120	406	378	90.7	164	92.1	202
	Nickel	54.4	1600	7.8	12.6	15.8	7.7 U	9.3	5.4	8.3
	Potassium	2730	N/A	967	2610	3080	1010 J	1080	837	1340
	Sodium	519	N/A	136	217	379	242 J	555	154	428
	Vanadium	49.2	720	48.0	46.2	41.8	32.3 J	21.3	20.8	24.5
	Zinc	81.6	24000	31.8	52.5	60.9	21.9 J	30.3	21.2	33.0
OTHER	Moisture (%)			15.8	13.2	13.5	9.9	8.3	6.7	7.9
	pH			8.2	7.7	7.9	8.6	7.8	8.4	8.5

Ψ Complete table footnotes can be found at the end of this section.

Table 8-6. Summary of Reportable Concentrations for Soil Analyses at OWS ST-258, Bldg. 20375, Kirtland AFB, New Mexico [Ψ,1] [Concentrations (mg/kg)]

Chemical Class	Analyte	PQL UTL	HHRB Action Level[2]	Borehole Number and Sample Depth Interval (ft)			
				ST-258-01		*ST-258-02*	
				3–5	8–10	3–5	8–10
VOC	Methylene Chloride	0.005	93.3	0.0085 U	ND	0.0078	0.0083
TPH	Diesel Fraction	10	100	3.3	9.7	11	11
METALS	Aluminum	13300	N/A	7280	12200	6260	9420
	Antimony	N/A	32	32.6	ND	ND	ND
	Barium	496	5600	361	172	123	175
	Beryllium	0.83	0.2	0.46	0.80	0.54	0.68
	Calcium	119000	N/A	125000	49600	49800	45600
	Chromium, Total	14.9	400	6.7 U	13.1	6.7	10.7
	Cobalt	11.3	N/A	4.4 U	8.6	4.4	8.8
	Copper	135	N/A	20.2 J	49.5	15.8	28.8
	Iron	20900	N/A	7490	17900	8130	15300
	Lead	22.9	400	ND	9.3	ND	9.0
	Magnesium	8730	N/A	8020	7480	3380	7200
	Manganese	435	400	95.2	402	99.2	339
	Nickel	54.4	1600	5.7	8.8	5.5	9.0
	Potassium	2730	N/A	966 J	2410	1020	1830
	Sodium	519	N/A	140 J	185	129	571
	Vanadium	49.2	720	31.5 J	42.4	24.5	39.9
	Zinc	81.6	24000	25.7 J	60.1	21.6	48.1
OTHER	Moisture (%)			13.3	12.8	7.7	11.2
	pH			7.9	7.9	8.2	8.3

Ψ Complete table footnotes can be found at the end of this section.

1 Complete laboratory analytical results including method detection limits are presented in the ITIR appendices.

2 Action Level Proposed Rule RCRA Subpart S Action Levels (55 FR 30814, 7/27/90).

*; TPH action level is 100 mg/kg adopted from NM UST regulations (USGS 2B Work Plan 3.6, NM EI Board, 1990). SW-8015 analyzes volatile and semivolatile petroleum hydrocarbon fractions separately. The total concentration of the two fractions analyzed under 8015 will be used to assess compliance with stipulated action levels for the purpose of this RFI.

PQL; Practical Quantitation Limits (defines VOC, SVOC and TPH).

pCi/g; Picocuries per gram.

VOC; Volatile Organic Compounds.

TPH; Total Petroleum Hydrocarbons.

RAD; Radionuclides.

ND; Not Detected above the method detection limit.

U; Accept data (positive results may be influenced by lab contamination).

RE; Resample.

NA; Not Analyzed

UTL; Upper Tolerance Limits (defines METALS).

HHRB; Human Health Risk Based.

SVOC; Semivolatile Organic Compounds.

FR; Field Replicate.

UJ; Estimated Nondetect.

J; Estimated value.

R; Reject NDs due to interference.

--; No Data.

8.4.2 ST-255 Analytical Results

Organic Compounds

The following VOC analytes were detected in one or more of the soil samples collected at ST-255: acetone, methyl ethyl ketone, and methylene chloride. It is probable that these are all due to laboratory contamination as discussed in Section 3.5.1 since these compounds were also found in associated QC samples. The SVOC phenol was detected only in the 8- to 10-ft sample from borehole ST-255-02 at a concentration of 0.18 mg/kg. This concentration is below the HHRB action level of 48,000 mg/kg (Table 8-3). Phenol was not detected in the background sampling borehole ST-257-01.

Petroleum Hydrocarbons

Diesel range hydrocarbons were detected only in the deeper samples (8- to 10-ft and 8- to 12-ft sample and replicate) from the two boreholes at this site (Table 8-3). Concentrations ranged from non-detect to 0.59 mg/kg. Because diesel range hydrocarbons were also found in associated QC samples at similar concentrations, these detections may not indicate petroleum hydrocarbon presence in the soil. These concentrations do not exceed the NMED action level of 100 mg/kg.

Metals

Table 8-3 lists all the reportable concentrations of metals detected at ST-255. Barium concentrations in the two shallow (3- to 5-ft) samples were above the UTL of 496 mg/kg but below the HHRB action level of 5,600 mg/kg. Beryllium (0.33 to 0.65 mg/kg) was detected in all soil samples at this site at levels exceeding the HHRB action level of 0.2 mg/kg but below the UTL of 0.83 mg/kg (Table 8-3). These concentrations of beryllium appear to be naturally occurring throughout Kirtland AFB as discussed in Section 4.2.2.

Soil pH and Moisture

Soil pH ranged from 8 to 8.9 in these samples. Soil moisture values ranged from 4.4 to 13.7 percent (Table 8-3).

8.4.3 ST-256 Analytical Results

Organic Compounds

Methylene chloride (0.0058 to 0.0067 mg/kg) was the only VOC analyte detected in soil samples collected at ST-256 (Table 8-4). It is probable that this is a laboratory contaminant as discussed in Section 3.5.1 since this compound was also found in associated QC samples.

Petroleum Hydrocarbons

Diesel range hydrocarbons were detected in all soil samples collected at this site (Table 8-4). Detected concentrations ranged from 0.58 to 0.97 mg/kg. These concentrations do not exceed the NMED action level of 100 mg/kg.

Metals

Table 8-4 lists all the reportable concentrations for metals detected at ST-256. Barium was detected above the UTL of 496 mg/kg but below the HHRB action level of 5,600 mg/kg in the 3- to 5-ft sample from borehole ST-256-02. Cadmium (0.92 mg/kg) was detected only in the deep (8- to 10-ft) sample from borehole ST-256-02. This concentration is below the 40 mg/kg HHRB action level, and the detection at 8 to 10 ft is similar to that measured at site ST-257, including samples from the background sampling borehole ST-257-01 (Table 8-4). Beryllium (0.55 to 0.58 mg/kg) was detected in all boreholes including the background sampling borehole, ST-257-01, above the HHRB action level of 0.2 mg/kg but below the UTL of 0.83 mg/kg (Table 8-4). These concentrations of beryllium appear to be naturally occurring throughout Kirtland AFB as discussed in Section 4.2.2.

Soil pH and Moisture

Soil pH ranged from 8.2 to 8.7 in these samples. Soil moisture values ranged from 9.5 to 13.9 percent (Table 8-4).

8.4.4 ST-257 Analytical Results

Organic Compounds

VOC analytes detected in soil samples collected at ST-257 include acetone and methylene chloride (Table 8-5). Acetone (0.013 mg/kg) was detected only in the replicate 8- to 12-ft sample from borehole ST-257-01. Methylene chloride (0.0055 to 0.011 mg/kg) was detected in all but the 8- to 12-ft sample from borehole ST-257-01. These detections did not exceed the HHRB action levels. These compounds were also detected in associated QC samples and are believed to be the result of

laboratory contamination as discussed in Section 3.5.1. No SVOC analytes were detected in soil samples collected at ST-257.

Petroleum Hydrocarbons

Diesel range hydrocarbons were detected in all soil samples collected at ST-257 (Table 8-5). Detection concentrations ranged from 0.22 to 1.8 mg/kg. Because diesel hydrocarbons were detected in associated QC samples at similar concentrations, these detections may not indicate petroleum hydrocarbon presence in the soil. These concentrations did not exceed the NMED action level of 100 mg/kg.

Metals

Table 8-5 lists all the reportable concentrations for metals detected at ST-257. Chromium was detected at 14.9 mg/kg in the 8- to 12-ft sample (14.3 mg/kg in the 8- to 12-ft replicate sample) from borehole ST-257-01. This concentration is equal to the UTL, but below the HHRB action level of 400 mg/kg. Beryllium (0.32 to 1.0 mg/kg) was detected in all samples including the site background sampling borehole, ST-257-01, above the HHRB action level of 0.2 mg/kg (Table 8-5). The 8- to 12-ft sample and replicate from borehole ST-257-01 contained beryllium concentrations (0.92 ft and 1.0 mg/kg) above the UTL of 0.83 mg/kg. These concentrations of beryllium appear to be naturally occurring throughout Kirtland AFB as discussed in Section 4.2.2.

Soil pH and Moisture

Soil pH ranged from 7.7 to 8.6. Soil moisture values ranged from 6.7 to 15.8 percent (Table 8-5).

8.4.5 ST-258 Analytical Results

Organic Compounds

Methylene chloride (0.0078 to 0.0085 mg/kg) was the only VOC analyte detected in soil samples collected at ST-258 (Table 8-6). Methylene chloride was detected in associated QC samples and is believed to be the result of laboratory contamination as discussed in Section 3.5.1. No SVOC analytes were detected in these samples.

Petroleum Hydrocarbons

Diesel range hydrocarbons were detected in all samples at this site (Table 8-6). The concentrations ranged from 3.3 to 11.0 mg/kg. These concentrations do not exceed the NMED action level of 100 mg/kg.

Metals

Table 8-6 lists all the reportable concentrations for metals detected at ST-258. Antimony was detected only in the 3- to 5-ft sample from borehole ST-258-01 at a concentration of 32.6 mg/kg. This is above the HHRB action level of 32 mg/kg.

Beryllium detections, ranging from 0.46 to 0.8 mg/kg in all soil samples collected at this site, exceeded the HHRB action level of 0.2 mg/kg but remained below the UTL of 0.83 mg/kg (Table 8-6). These concentrations of beryllium appear to be naturally occurring throughout Kirtland AFB as discussed in Section 4.2.2.

Soil pH and Moisture

Soil pH ranged from 7.9 to 8.3. Soil moisture values ranged from 7.7 to 13.3 percent (Table 8-6).

8.5 Risk Characterization Summary

A baseline human health risk assessment for Sites ST-255, ST-256, and ST-258 was conducted according to the methods outlined in Section 3.6. All calculations to support this risk evaluation are provided in Appendix H.

The only potential constituents of concern found in the soil at levels in excess of the HHRB action levels were antimony and manganese. The 16 soil samples collected from these sites were used for the risk characterization. The data set for the potential constituents of concern was evaluated and was found to have a normal sample distribution. The 95-percent UCL calculations for antimony and manganese were 23.92 and 244.80 mg/kg, respectively. Antimony and manganese are classified as "D" weight of evidence chemicals. This means that antimony and manganese are unclassifiable as to human carcinogenicity.

The antimony reference dose of 0.0004 mg/kg/day and the manganese reference dose of 0.0050 mg/kg/day were used to calculate the corresponding hazard quotients as discussed in Section 3.6. Based on this information, the "worst-case" scenario (future residential land use) was evaluated for the incidental ingestion of soil from these sites. The antimony hazard quotients generated for the adult and child were 0.08 and 0.8, respectively. The hazard index calculated for antimony from the incidental ingestion of soil at these sites (0.9) was less than unity. The manganese hazard calculated for manganese from the incidental ingestion of soil at these sites (0.7) was less than unity. Therefore, noncarcinogenic health risks are not likely to occur based on this

"worst-case" exposure scenario, since the hazard indices for both of these constituents are below the USEPA acceptable limit.

8.6 Conclusions and Recommendations

Conclusions

- Several VOCs and one SVOC were detected in soil samples from these sites. The SVOC phenol was detected in one sample at ST-255 at a concentration below the HHRB action level.

- Petroleum hydrocarbons were not detected in soil samples collected by the USGS at ST-326. Diesel range hydrocarbons were present in all other site samples. The detections at ST-258 (3.3 to 11 mg/kg) may be the result of past releases at this OWS, but the soil concentrations are below the NMED action level of 100 mg/kg.

- Beryllium was present in all samples above the HHRB action level of 0.2 mg/kg. Two samples (the 8- to 12-ft "normal" and replicate sample) from borehole ST-257-01 contained concentrations above the UTL of 0.83 mg/kg. These concentrations of beryllium appear to be naturally occurring throughout Kirtland AFB.

- Antimony (32.6 mg/kg) was detected in only one soil sample at ST-258. This concentration was above the HHRB action level of 32 mg/kg.

- A baseline human health risk assessment was performed for Sites ST-255, 256, 257, and ST-258 to determine hypothetical noncarcinogenic health risks for antimony and manganese present in the soil. A future residential land use scenario ("worst-case") was evaluated for the incidental ingestion of soil by child and adult residents. The Hazard Index for antimony (0.9) and manganese (0.7) was determined to be less than 1.0; therefore, noncarcinogenic health risks are not likely to be associated with this exposure scenario.

Recommendations

- Based on the findings of the RFI, no further action is necessary at UST ST-326 or at OWSs ST-255, ST-256, and ST-257; therefore, these sites do not require further investigation. A No Further Action proposal should be prepared.

- Diesel range hydrocarbons are present in the soil adjacent to OWS ST-258. The concentrations detected are below the NMED action level of 100 mg/kg. This unit should be removed from service or replaced to prevent any additional releases to the subsurface. Additional soil sampling

during the OWS removal effort should be conducted to determine the concentration, if any, of contamination present under the unit. Visual inspection and field screening may indicate that soil removal will also be necessary before closing the excavation.

9.0 Site ST-201, Oil/Water Separator

9.1 Site Background and Environmental Setting

OWS ST-201 is outdoors near building 255, the petroleum operations office in the western portion of Kirtland AFB (Figure 9-1). It is made of concrete, has a metal cover, and is 6 ft square with a depth of 6.5 ft. It receives runoff from two drains in the tanker truck parking area south of building 255. It discharges north to a west flowing sanitary sewer lateral located behind building 255 (Figure 9-1). If this unit overflowed, runoff could infiltrate the surrounding soils and spread onto the parking area south of the unit. This runoff would then probably drain back into ST-201 by way of the parking area drains. ST-201 was investigated on April 12-13, 1994.

Building 255 is located in the urban/industrial environmental zone, which is discussed in Section 2.0. Three production wells are located in this area of Kirtland AFB. Well KAFB-13 is 1,550 ft west-northwest, KAFB-12 is 2,600 ft north-northeast; and KAFB-14 is 3,700 ft west (Figure 2-11).

9.2 Study Area Investigation

Possible source materials were not investigated in this study. Previous investigations sampled source materials as described below.

9.2.1 Previous Investigations

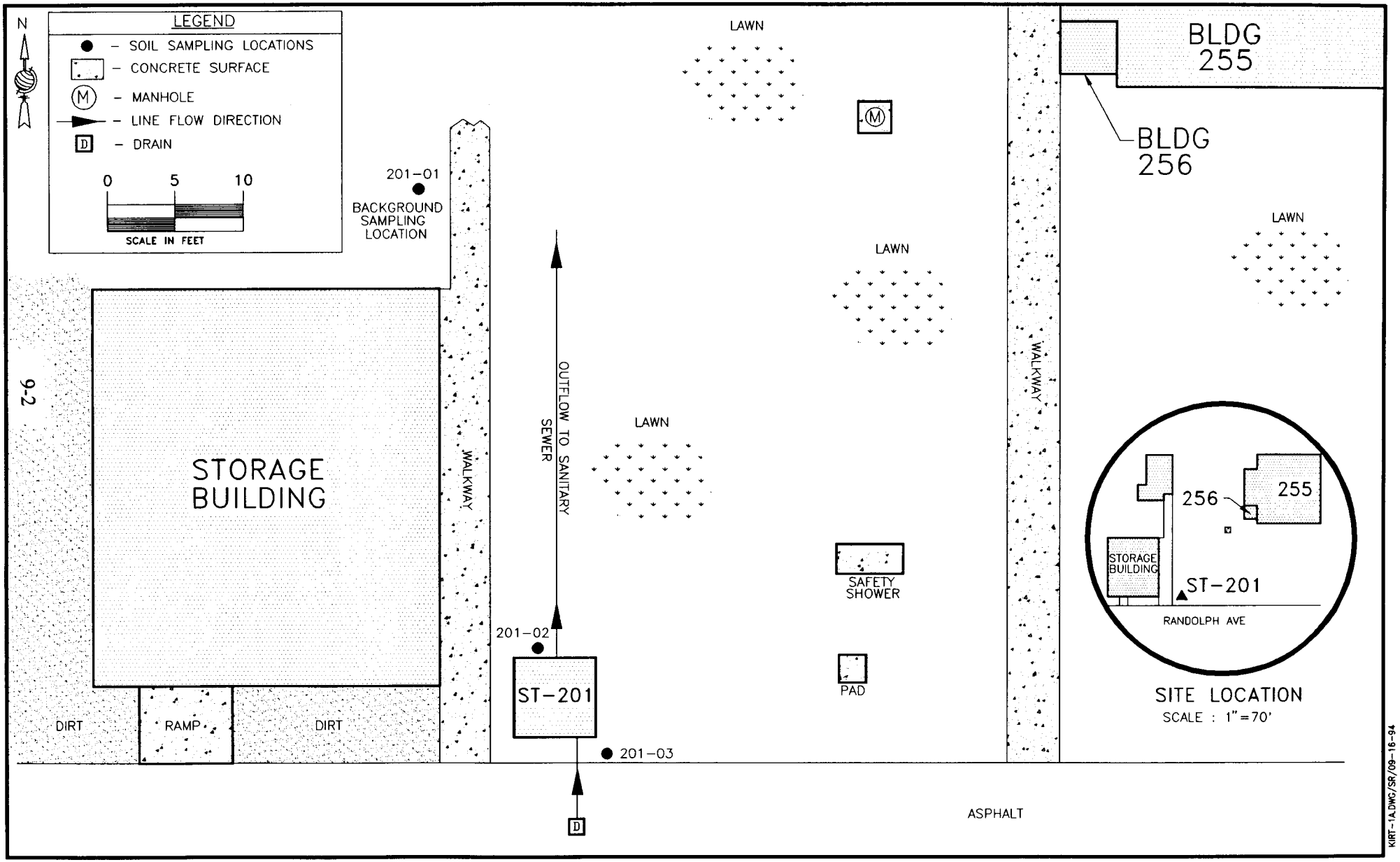
In 1990, 1991, and 1992, a Kirtland AFB environmental contractor sampled material (water and sediment) present in OWS ST-201. A concentration of 644 mg/kg for TPH was reported for the 1990 sampling, and 17 mg/kg TOX was reported for the 1991 sampling. Full results for these samplings are presented in Appendix B of the USGS Stage 2B Work Plan (USGS, 1993a).

9.2.2 Data Gaps

The main objective of this investigation was to determine if contamination is present in the subsurface soil adjacent to OWS ST-201. A secondary objective was to determine the outflow and potential overflow runoff destinations for this unit.

9.2.3 RFI Field Investigation

On April 12-13, 1994, three boreholes were drilled and sampled using a Geoprobe system. One borehole, ST-201-01, was drilled in the lawn north of the storage building to collect background



SOIL SAMPLING LOCATIONS AT OIL/WATER SEPARATOR ST-201, BUILDING 255

FIGURE 9-1

RCRA FACILITY INVESTIGATION STAGE 2B KIRTLAND AIR FORCE BASE, NEW MEXICO

concentration data. This location was assumed to be in an area away from any known or suspected contamination. The other two boreholes were drilled as close as possible to the OWS inflow and outflow piping. Two sample intervals were collected in each borehole; one at a depth equal to and the other 5 ft below the separator base (i.e., 6 and 11 ft).

Sampling operations and sample handling procedures are described in Section 3.0. Borehole locations, sample depths, and replicate samples collected at OWS ST-201 are shown in Table 9-1. Borehole logs are in Appendix C.

Table 9-1. Boreholes and Samples Collected at OWS ST-201, Building 255

Site	Borehole	Borehole Location	Sample Depths (ft)
ST-201	01	Background sampling location	6-8
			11-13
	02	Near OWS outflow	6-8
			11-13
	03	Near OWS inflow	6-8
			11-13

9.2.4 Laboratory Analysis

Six soil samples were collected at this site. These samples were analyzed for VOCs, SVOCs, TPH, metals, mercury (the expected contaminants associated with normal operations at this building), soil pH, and soil moisture. The four brass tubes in each 2-ft sample interval were field screened for possible contamination using gamma and beta-gamma meters, a PID, and an FID. No readings above background values were measured with these instruments.

9.3 Site Characteristics

9.3.1 Geology

The building 255 area is underlain by unconsolidated alluvial sediments. The sediments are predominantly fine-grained sands and very fine-grained to fine-grained silty sands. Caliche was present in all boreholes as light to heavily stained zones and patches. Three 13-ft-deep boreholes were drilled at building 255. No borehole penetrated into the Santa Fe Group sediments that presumably underlie this area. A discussion of the general geology at Kirtland AFB is presented in Section 2.4.

As a consequence of OWS installation, it is probable that backfill material is present to a depth at least equal to the separator depth. Borehole logs for this site are presented in Appendix C.

9.3.2 Hydrogeology

Groundwater beneath this area is found within the Upper Santa Fe sediments and is generally thought to be unconfined in the upper portion of the aquifer. This area is within the HR1 saturated zone setting as defined by SNL studies (Figure 2-9) (SNL, 1994). Hydrologic characterization in this portion of Kirtland AFB is complicated by the presence of numerous production wells (Figure 2-11). It is probable that uniform groundwater conditions do not exist in this region. Local cones of depression associated with groundwater withdrawal have altered the groundwater flow direction in the vicinity of the well fields (Figure 2-7).

It is probable that the gradient is easterly in this area. Three production wells are located in this area of Kirtland AFB. Wells KAFB-12 and KAFB-13 are cross gradient, while KAFB-14 may be downgradient about 3,700 ft west (Figures 2-7 and 2-11). Depth to groundwater is estimated to be about 350 ft below grade (Figure 2-10); however, shallower perched water zones may occur. Hydraulic conductivity within HR1 is estimated at 2 to 171 ft/day (SNL, 1994). A general discussion of the hydrogeology at Kirtland AFB is presented in Section 2.5.

9.4 Nature and Extent of Contamination

The following section describes the extent of contamination based on sampling results. Analytical results for soil samples collected at OWS ST-201 are summarized in Table 9-2, where only the reportable concentrations of detected analytes are listed. Full analytical results are presented in Appendix G. Laboratory validation reports are in Appendix K.

Organic Compounds

The following VOC analytes were detected in one or more of the soil samples collected at ST-201: acetone, chloromethane, methyl ethyl ketone, methylene chloride and toluene (Table 9-2). Acetone (0.013 mg/kg) was detected only in the 6- to 8-ft sample from the background sampling borehole ST-201-01. Chloromethane (0.0032 mg/kg) was detected only in the 11- to 13-ft sample from borehole ST-201-03. Methyl ethyl ketone (0.0014 to 0.0079 mg/kg) was detected in the 6- to 8-ft and 11- to 13-ft sample from borehole ST-201-01 and the 6- to 8-ft sample from borehole ST-201-03. Methylene chloride (0.002 to 0.0028 mg/kg) was detected in all samples. Toluene (0.0034 and 0.0018 mg/kg) was detected in the 11- to 13-ft samples from boreholes ST-201-02 and

Table 9-2. **Summary of Reportable Concentrations for Soil Analyses at OWS ST-201 Bldg. 255, Kirtland AFB, New Mexico[Ψ,1]**
[Concentrations (mg/kg)]

Chemical Class	Analyte	PQL UTL	HHRB Action Level[2]	Borehole Number and Sample Depth Interval (ft)					
				ST-201-01		*ST-201-02*		*ST-201-03*	
				6-8	11-13	6-8	11-13	6-8	11-13
VOC	Acetone	0.1	8000	0.013	ND	ND	ND	ND	ND
	Chloromethane	0.01	N/A	ND	ND	ND	ND	ND	0.0032 J
	Methyl Ethyl Ketone	0.1	48000	0.0014 J	0.0022	ND	ND	0.0079 J	ND
	Methylene Chloride	0.005	93.3	0.0021 J	0.0025	0.0027 J	0.002 J	0.0027 J	0.0028 J
	Toluene	0.005	16000	ND	ND	ND	0.0034	ND	0.0018 J
SVOC	di-n-Butylphthalate	0.7	8000	ND	ND	ND	ND	0.23	0.22
TPH	Diesel Fraction	10	100	1.1	1.1	1.2	1.6	1.0	1.6
	Gasoline Fraction	1	100	ND	ND	ND	0.21	0.28	0.32
METALS	Aluminum	13300	N/A	9800	8320	13500 J	8870 J	10800	8020 J
	Arsenic	N/A	0.4	7.1	8.7	ND UJ	ND UJ	ND	ND UJ
	Barium	496	5600	863	217	1530 J	59.2 J	115	118 J
	Beryllium	0.83	0.2	0.48	0.43	0.83	0.44	0.68	0.43
	Cadmium	N/A	40	0.95	ND	ND UJ	0.77 J	ND	ND UJ
	Calcium	119000	N/A	67600	4480	42900 J	22700 J	43600	11400 J
	Chromium, Total	14.9	400	8.3	8.6	11.4	8.0	9.3	7.1
	Cobalt	11.3	N/A	4.9	7.4	8.9	6.5	6.5	6.0
	Copper	135	N/A	86.7	111	20.9 J	19.5 J	14.2	23.5 J
	Iron	20900	N/A	11700	14300	17600	14200	14100	12200
	Lead	22.9	400	4.3	5.5	9.2	7.4	7.5	7.3
	Magnesium	8730	N/A	5370	4570	6950	4610	5780	3990
	Manganese	435	400	223	222	404	266 J	250	250 J
	Nickel	54.4	1600	9.9	9.6	15.0	8.8	9.3	6.3
	Potassium	2730	N/A	1700	1430	2490 J	2000 J	1520	1760 J
	Selenium	N/A	400	ND	ND	ND UJ	ND UJ	ND	ND UJ
	Sodium	519	N/A	115	82.2	141 U	90.2 U	158	93.5 U
	Vanadium	49.2	720	37.9	41.0	50.3	33.8	44.1	28.6
	Zinc	81.6	24000	50.5	67.4	49.0 J	38.9 J	36.5	39.7 J
OTHER	Moisture (%)			16.0	7.3	15.5	8.9	11.2	6.5
	pH			8.1	8.2	8.5	8.3	8.2	8.3

Ψ Complete table footnotes can be found after the last table in this section.

1 Complete laboratory analytical results including method detection limits are presented in the ITIR appendices.

2 Action Level Proposed Rule RCRA Subpart S Action Levels (55 FR 30814, 7/27/90).

*; TPH action level is 100 mg/kg adopted from NM UST regulations (USGS 2B Work Plan 3.6, NM El Board, 1990). SW-8015 analyzes volatile and semivolatile petroleum hydrocarbon fractions separately. The total concentration of the two fractions analyzed under 8015 will be used to assess compliance with stipulated action levels for the purpose of this RFI.

PQL; Practical Quantitation Limits (defines VOC, SVOC and TPH).

pCi/g; Picocuries per gram.

VOC; Volatile Organic Compounds.

TPH; Total Petroleum Hydrocarbons.

RAD; Radionuclides.

ND; Not Detected above the method detection limit.

U; Accept data (positive results may be influenced by lab contamination).

RE; Resample.

NA; Not Analyzed

UTL; Upper Tolerance Limits (defines METALS).

HHRB; Human Health Risk Based.

SVOC; Semivolatile Organic Compounds.

FR; Field Replicate.

UJ; Estimated Nondetect.

J; Estimated value.

R; Reject NDs due to interference.

--; No Data.

ST-201-03, respectively. These compounds were also detected in associated QC samples and are believed to be the result of laboratory contamination as discussed in Section 3.5.1.

The only SVOC detected at this site was di-n-butylphthalate (0.22 to 0.23 mg/kg). It was present in the 6-to 8-ft and 11-to 13-ft samples in borehole ST-201-03 (Table 9-2).

Petroleum Hydrocarbons

Diesel range hydrocarbons were detected in all samples at this site (Table 9-2). The concentrations ranged from 1 to 1.6 mg/kg. Gasoline range hydrocarbons (0.21 to 0.32 mg/kg) were detected in the 6- to 8-ft and 11- to 13-ft samples from borehole ST-201-03 and the 11- to 13-ft sample from borehole ST-201-02. These concentrations are comparable to those found in associated QC samples and may not indicate petroleum hydrocarbon presence in the soil. These concentrations did not exceed the NMED action level of 100 mg/kg.

Metals

Table 9-2 lists all the reportable metal concentrations detected at ST-201. Barium (59.2 to 1,530 mg/kg) was detected in all the samples collected at this site. The 1,530 mg/kg concentration in the 6- to 8-ft sample from borehole ST-201-02 and the 863 mg/kg concentration in the 6- to 8-ft sample from the background sampling borehole, ST-201-01, were above the UTL of 496 mg/kg. These values did not exceed the HHRB action level of 5,600 mg/kg.

Arsenic (7.1 and 8.7 mg/kg) was detected only in the 6- to 8-ft and 11- to 13-ft samples from the background sampling borehole. Both concentrations exceed the HHRB action level of 0.4 mg/kg. Beryllium (0.43 to 0.83 mg/kg) was detected above the 0.2 mg/kg HHRB action level in all samples at this site. The 0.83 mg/kg concentration measured in the 6- to 8-ft sample from borehole ST-201-02 equals the 0.83 mg/kg UTL concentration. These concentrations of arsenic and beryllium appear to be naturally occurring at Kirtland AFB as discussed in Section 4.2.2. Vanadium (50.3 mg/kg) was detected in the 6- to 8-ft sample from borehole ST-201-02, above the UTL of 49.2 mg/kg, but below the HHRB action level of 720 mg/kg.

Soil pH and Moisture

Soil pH ranged from 8.1 to 8.5 in these samples. Soil moisture values ranged from 6.5 to 16.0 percent (Table 9-2).

9.5 Conclusions and Recommendations

Conclusions

- Several VOCs were detected in soil samples at this site. All concentrations are below HHRB action levels. The SVOC di-n-butylphthalate was present in borehole ST-201-03 at concentrations below the HHRB action level.

- Up to 1.6 mg/kg of diesel range hydrocarbons and up to 0.32 mg/kg of gasoline range hydrocarbons were detected in soil samples at ST-201. All concentrations detected are below the NMED action level of 100 mg/kg.

- One vanadium concentration exceeding the UTL was detected at this site. This concentration is below the HHRB action level of 720 mg/kg.

- Arsenic and beryllium were the only metals detected at concentrations above the HHRB action levels. Arsenic was detected only in samples from the background sampling borehole, ST-201-01. Beryllium was detected in every sample, and one detection exceeded the UTL concentration. These concentrations of arsenic and beryllium may be naturally occurring at Kirtland AFB.

- The analytical results are not indicative of a release at this unit.

Recommendations

- Based on the findings of the RFI, no further action is necessary; therefore, Site ST-201 does not require further investigation. A No Further Action proposal should be prepared.

10.0 Sites ST-202 and ST-205, Sediment Traps; ST-203 and ST-204, Oil/Water Separators

10.1 Site Background and Environmental Setting

These sites are in the western portion of Kirtland AFB near the northeast corner of buildings 334 and 333. Building 333 houses the Aero club and Base Operations offices (Figure 10-1). ST-202, ST-203, ST-204, and ST-205 were investigated on April 7 and 11-12, 1994.

Sediment traps ST-202 and ST-205 are concrete with metal grate covers measuring 2 ft square and 4 ft deep . Both traps are wider at the bottom than at the top (USGS, 1993). The sediment traps receive runoff from the flight line ramp associated with the Aero club maintenance shop. Sediment trap ST-202 discharges into OWS ST-203, and sediment trap ST-205 discharges into OWS ST-204. OWS ST-203 and ST-204 are made of concrete with wood baffles. The OWSs are 7 ft long, 5 ft wide, and 6 ft deep with a pitched lid to direct rainfall to the surrounding area. Both OWS discharge pipes run west and then turn north to join a sanitary sewer lateral running along the north side of buildings 333 and 334. This lateral drains west into the main sanitary sewer system (Figure 10-1). The probability that these units would overflow onto the surrounding area is low. Such an occurrence would require prolonged, heavy rainfall. If overflow did occur, drainage would probably be to the south towards the flight line.

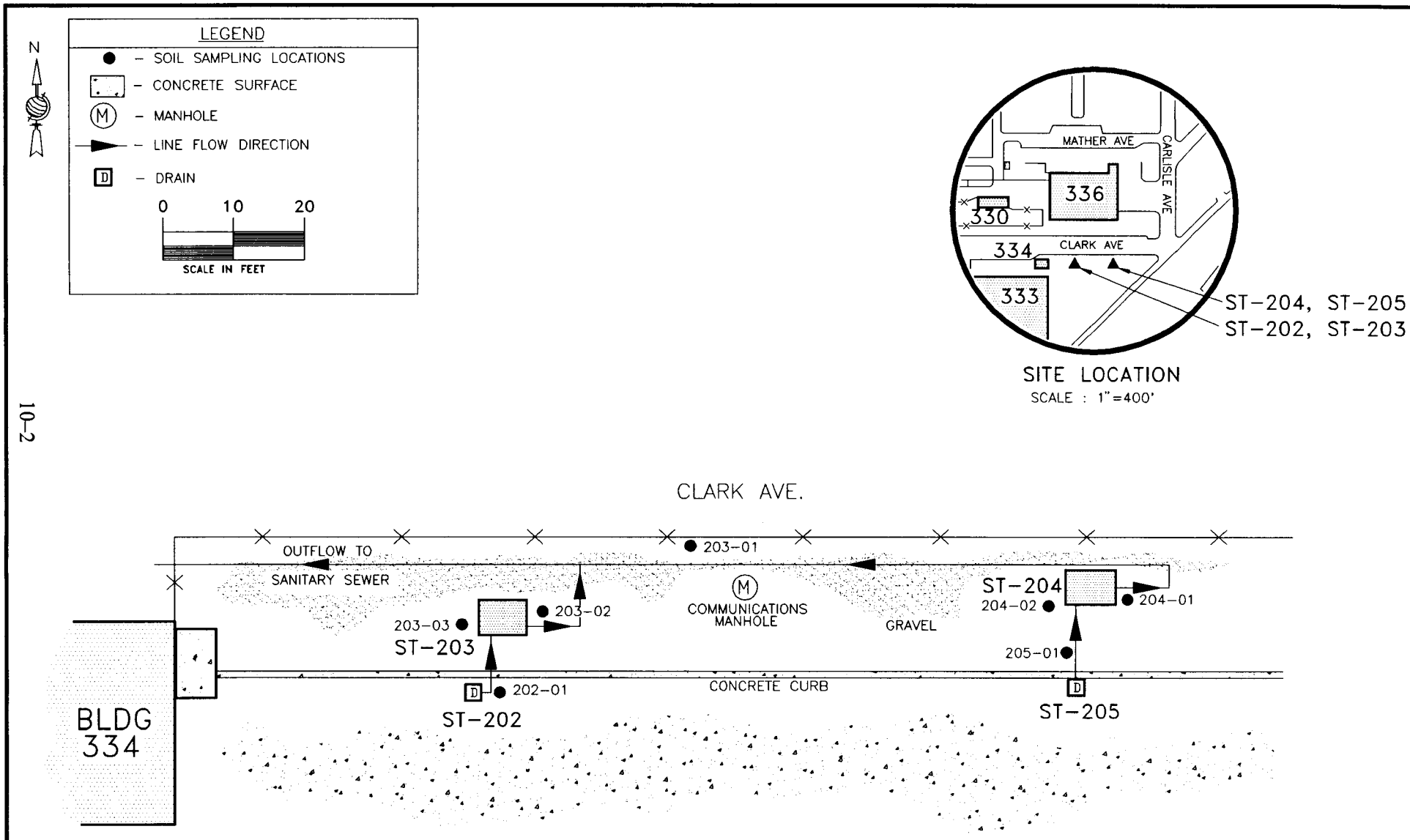
Buildings 333 and 334 are in the urban/industrial environmental zone. The environmental setting is discussed in Section 2.0. Two production wells are located near these sites. Well KAFB-13 is 3,000 ft northwest, and well KAFB-14 is 2,900 ft east-northeast (Figure 2-11).

10.2 Study Area Investigation

Possible source materials were not investigated in this study. Previous investigations sampled source materials as described below.

10.2.1 Previous Investigations

In 1990, 1991, and 1992, a Kirtland AFB environmental contractor sampled materials present in these units. Table 10-1 shows analytes with reportable concentrations. In 1992, lead was above the RCRA toxicity limit of 5 mg/kg set for the TCLP analysis. Full results for these samplings are presented in Appendix B of the USGS Stage 2B Work Plan (USGS, 1993a).



SOIL SAMPLING LOCATIONS AT SEDIMENT TRAPS ST-202 & ST-205, AND OIL/WATER SEPARATORS ST-203 & ST-204, BUILDING 333/334

FIGURE 10-1

RCRA FACILITY INVESTIGATION STAGE 2B KIRTLAND AIR FORCE BASE, NEW MEXICO

Table 10-1. Reportable Analytes in OWS ST-203 and ST-204, and Sediment Traps ST-202 and ST-205, Building 333/334

Site Name	TPH (mg/kg)	TOX (mg/kg)		Lead (mg/kg)
	1990	1991	1992	1992
ST-202	ND	ND	111	ND
ST-203	1,350	ND	110	10.65
ST-204	ND	106	150	6.2
ST-205	ND	ND	ND	16.5

ND = Not Detected.

10.2.2 Data Gaps

The main objective of this investigation was to determine if contamination is present in the subsurface soil adjacent to these sites. A secondary objective was to determine the units' outflow and potential surface runoff destinations.

10.2.3 RFI Field Investigation

On April 7 and 11-12, 1994, seven boreholes were drilled and sampled using a Geoprobe system. One borehole was located between ST-203 and ST-204 in an area away from any known or suspected contamination to collect background concentration data for these sites. The other boreholes were located as close as possible to the outflow points of the sediment traps and to the OWS' inflow and outflow points. Two sample intervals were collected in each borehole; for the sediment traps, the first sample was collected at a depth 3 ft below, and the second 8 ft below the unit's base (i.e., 7 and 12 ft). The OWSs were sampled at a depth equal to, and 5 ft below the unit's base.

Sampling operations and sample handling procedures are described in Section 3.0. Borehole locations, sample depths, and replicate samples collected for the sites at buildings 333/334 are listed in Table 10-2. Borehole logs are in Appendix C.

10.2.4 Laboratory Analysis

Sixteen soil samples, including replicates, were collected at these sites. These samples were analyzed for VOCs, SVOCs, TPH, metals, mercury (the expected contaminants associated with normal operations at this facility), soil pH, and soil moisture. The four brass tubes in each 2-ft sample interval were field screened for possible contamination using gamma and beta-gamma meters, and a PID. No readings above background values were measured with these instruments.

Table 10-2. Boreholes and Samples Collected at OWS ST-203 and ST-204, and Sediment Traps ST-202 and ST-205, Building 333/334

Site	Borehole	Borehole Location	Sample Depths (ft)
ST-202	01	Near Sediment Trap outflow	7-10
			12-14
ST-203	01	Background sampling borehole	6-8
			11-15[a]
	02	Near OWS outflow	6-8
			11-13
	03	Near OWS inflow	7-10
			11-13
ST-204	01	Near OWS outflow	6-8
			11-15[a]
	02	Near OWS inflow	6-10
			11-13
ST-205	01	Near Sediment Trap outflow	7-9
			12-14

a. Replicate sample also collected in this depth interval.

10.3 Site Characteristics

10.3.1 Geology

The building 333/334 area is underlain by unconsolidated alluvial sediments. The sediments are predominantly silty sand to very fine-grained to fine-grained sands. Caliche was present in all boreholes as light to heavily-stained zones and patches. Weathered biotite was present in some intervals. Two 14-ft-deep boreholes were drilled at ST-202 and ST-205. Three 13-ft and two 15-ft boreholes were drilled at ST-203 and ST-204. No borehole penetrated into the Santa Fe Group sediments that presumably underlie this area. A discussion of the general geology at Kirtland AFB is presented in Section 2.4.

As a result of installation, it is probable that backfill material is present adjacent to each unit to a depth equal to the total depth. Borehole logs for this area are presented in Appendix C.

10.3.2 Hydrogeology

Groundwater beneath ST-202, ST-203, ST-204, and ST-205 is found within the Upper Santa Fe sediments and is generally thought to be unconfined in the upper portion of the aquifer. This area is within the HR1 saturated zone setting as defined by SNL studies (Figure 2-9) (SNL, 1994).

Hydrologic characterization in this portion of Kirtland AFB is complicated by the presence of numerous production wells (Figure 2-11). It is probable that uniform groundwater conditions do not exist in this region. Local cones of depression associated with groundwater withdrawal have altered the groundwater flow direction in the vicinity of the well fields (Figure 2-7).

It is probable that the gradient is to the northeast in this area. Two production wells are located near the OWSs and sediment traps. Well KAFB-13 is cross gradient 3,000 ft northwest, and well KAFB-14 is probably downgradient 2,900 ft east-northeast (Figures 2-7 and 2-11)). Depth to groundwater is estimated to be approximately 350 ft below grade (Figure 2-10); however, shallower perched water zones may occur. Hydraulic conductivity within HR1 is estimated at 2 to 171 ft/day (SNL, 1994). A general discussion of the hydrogeology at Kirtland AFB is presented in Section 2.5.

10.4 Nature and Extent of Contamination

The following subsections describe the extent of contamination based on soil sampling results. Analytical results for soil samples at these sites are summarized in Tables 10-3 through 10-6 where only the reportable concentrations are listed. Full analytical results are presented in Appendix G and laboratory validation reports are presented in Appendix K.

10.4.1 ST-202 Analytical Results

Organic Compounds

The following VOC analytes were detected in one or more of the soil samples collected at ST-202: acetone, ethyl benzene, total xylenes, and toluene. None of these compounds was detected at levels exceeding the HHRB action levels. Acetone and ethylbenzene were also found in associated QC samples and are believed to be the result of laboratory contamination as discussed in Section 3.5.1. Toluene and total xylenes were detected in only the 7- to 10-ft sample at ST-202-01 at 0.004 and 0.02 mg/kg, respectively (Table 10-3).

SVOCs naphthalene (0.49 mg/kg) and 2-methylnapthalene (0.77 mg/kg) were detected in the 7- to 10-ft sample at ST-202 at concentrations below HHRB action levels (Table 10-3).

Petroleum Hydrocarbons

Diesel range hydrocarbons were detected in the 7- to 10-ft and 12- to 14-ft samples from borehole ST-202-01 at concentrations ranging from 0.8 to 100 mg/kg. Gasoline range hydrocarbons (0.14 mg/kg) were also detected in the 7- to 10-ft sample at ST-202-01. The TPH concentration in the 7- to 10-ft sample equals the NMED action level of 100 mg/kg (Table 10-3).

Table 10-3. Summary of Reportable Concentrations for Soil Analyses at Sediment Trap ST-202 Bldg. 333/334, Kirtland AFB, New Mexico[Ψ,1] [Concentrations (mg/kg)]

Chemical Class	Analyte	PQL UTL	HHRB Action Level[2]	Borehole Number and Sample Depth Interval (ft)	
				ST-202-01	
				7-10	12-14
VOC	Acetone	0.1	8000	0.016 U	0.006 J
	Ethylbenzene	0.005	8000	0.004	ND
	Toluene	0.005	16000	0.004	ND
	Total Xylenes	0.005	160000	0.02	ND
SVOC	2-Methylnaphthalene	0.7	3200	0.77	ND
	Naphthalene	0.7	3200	0.49	ND
TPH	Diesel Fraction	10	100	100	0.8
	Gasoline Fraction	1	100	0.14	ND
METALS	Aluminum	13300	N/A	8290	9940
	Barium	496	5600	300	113
	Beryllium	0.83	0.2	0.50	0.55
	Cadmium	N/A	40	0.75 J	0.88
	Calcium	119000	N/A	85000 J	28500
	Chromium, Total	14.9	400	13.1	12.0
	Cobalt	11.3	N/A	3.6	7.6
	Copper	135	N/A	46.9 J	148
	Iron	20900	N/A	9410	15800
	Lead	22.9	400	38.9	7.5
	Magnesium	8730	N/A	4050	4960
	Manganese	435	400	120	272
	Nickel	54.4	1600	8.7	14.5
	Potassium	2730	N/A	1720	2290
	Selenium	N/A	400	ND UJ	ND
	Sodium	519	N/A	87.3 U	91.3
	Vanadium	49.2	720	22.3 J	36.7
	Zinc	81.6	24000	65.0 J	83.9
OTHER	Moisture (%)			19.6	9.1
	pH			8.2	8.4

Ψ Complete table footnotes can be found after the last table in this section.

Table 10-4. Summary of Reportable Concentrations for Soil Analyses at OWS ST-203 Bldg. 333/334, Kirtland AFB, New Mexico[Ψ,1] [Concentrations (mg/kg)]

Chemical Class	Analyte	PQL UTL	HHRB Action Level[2]	Borehole Number and Sample Depth Interval (ft)						
				ST-203-01			*ST-203-02*		*ST-203-03*	
				6-8	11-15	11-15 FR	6-8	11-13	7-10	11-13
VOC	Acetone	0.1	8000	0.0099 J	ND	ND	ND	6 J	ND	ND
	Methyl Ethyl Ketone	0.1	48000	0.0052 J	ND	ND	ND	ND	ND	ND
	Methylene Chloride	0.005	93.3	0.0021 J	ND	ND	ND	ND	ND	ND
SVOC	di-n-Butylphthalate	0.7	8000	0.25	0.31	0.23	ND	ND	ND	ND
	Bis(2-ethylhexyl)phthalate	0.7	50	ND	ND	4.3	ND	ND	ND	ND
	Phenol	0.3	48000	ND	ND	ND	ND	ND	0.38	0.21
TPH	Diesel Fraction	10	100	ND	48	2.3	1.2	18	1.7	1.7
METALS	Aluminum	13300	N/A	3440	8580	6900	8710	7000	13500	9020
	Barium	496	5600	179	73.7	51.5	209	81.2	141	43.6
	Beryllium	0.83	0.2	0.21	0.55	0.42	0.57	0.42	0.69	0.56
	Cadmium	N/A	40	0.83	ND	0.74	ND	5.2	1.1	0.79
	Calcium	119000	N/A	97200	20900	16100	23600	23000	31000	19400
	Chromium, Total	14.9	400	15.9	9.5	5.9	9.1	15.3	13.4	8.9
	Cobalt	11.3	N/A	2.1	6.8	6.8	4.9	5.0	7.9	6.0
	Copper	135	N/A	322	36.4	163	29.3	301	37.4	50.2
	Iron	20900	N/A	5550	15000	13500	11200	10900	17300	14400
	Lead	22.9	400	63.6	6.6	6.6	6.7	112	6.1	7.3
	Magnesium	8730	N/A	2220	5060	4490	4300	3270	6680	5380
	Manganese	435	400	197	273	278	149	204	309	309
	Nickel	54.4	1600	121	10.3	8.6	9.2	96.5	10.1	9.4
	Potassium	2730	N/A	716	2170	2020	1520	1430	2310	1840
	Selenium	N/A	400	ND	ND	ND	ND	ND	ND	ND
	Sodium	519	N/A	158	140	115	66.4	140	246	182
	Vanadium	49.2	720	12.0	33.7	30.5	32.4	25.5	40.1	33.4
	Zinc	81.6	24000	136	48.0	82.5	35.8	149	52.6	57.8
OTHER	Moisture (%)			13.3	8.7	5.5	11.7	5.7	12.8	11
	pH			8.5	8.4	8.4	8.2	8.3	8.6	8.6

Ψ Complete table footnotes can be found after the last table in this section.

Table 10-5. Summary of Reportable Concentrations for Soil Analyses at OWS ST-204 Bldg. 333/334, Kirtland AFB, New Mexico[Ψ,1] [Concentrations (mg/kg)]

Chemical Class	Analyte	PQL UTL	HHRB Action Level[2]	Borehole Number and Sample Depth Interval (ft)				
				ST-204-01			*ST-204-02*	
				6-8	11-15	11-15 FR	6-10	11-13
VOC	Acetone	0.1	8000	0.013	ND	ND	ND	0.0078 J
	Methyl Ethyl Ketone	0.1	48000	0.001	ND	0.0014 J	ND	ND
	Methyl Isobutyl Ketone	0.05	N/A	ND	ND	0.0012 J	ND	ND
	Methylene Chloride	0.005	93.3	0.002	0.0014	0.0018 J	0.0015 J	0.0012 J
	Toluene	0.005	16000	ND	ND	ND	ND	0.004
TPH	Diesel Fraction	10	100	0.76	5.7	1.3	1.4	1
METALS	Aluminum	13300	N/A	8450	12100	14100	7970	9690
	Arsenic	N/A	0.4	ND	ND	9.1	ND	ND
	Barium	496	5600	55.7	59.4	64.0	68.1	70.9
	Beryllium	0.83	0.2	0.45	0.57	0.71	0.46	0.68
	Cadmium	N/A	40	ND	ND	0.71	ND	ND
	Calcium	119000	N/A	82100	16500	42500	143000	13800
	Chromium, Total	14.9	400	7.6	10.6	12.8	7.8	10.1
	Cobalt	11.3	N/A	5.4	8.9	8.8	4.3	7.5
	Copper	135	N/A	14.5	34.2	24.7	10.8	34.2
	Iron	20900	N/A	11200	17300	17900	9410	15500
	Lead	22.9	400	7.2	8.0	9.7	4.6	8.9
	Magnesium	8730	N/A	5100	5860	6440	5500	5220
	Manganese	435	400	215	404	474	176	357
	Nickel	54.4	1600	12.4	13.1	40.8	10.2	15.8
	Potassium	2730	N/A	1560	2660	2760	1390	2090
	Selenium	N/A	400	ND	ND	ND	ND	ND
	Sodium	519	N/A	93.2	106	104	113	101
	Vanadium	49.2	720	29.1	40.1	41.1	25.7	36.6
	Zinc	81.6	24000	27.9	50.6	50.8	23.5	59.5
OTHER	Moisture (%)			11.6	12	15.1	13.1	11.2
	pH			8.3	8.2	8	8.2	8.2

Ψ Complete table footnotes can be found after the last table in this section.

Table 10-6. Summary of Reportable Concentrations for Soil Analyses at Sediment Trap ST-205 Bldg. 333/334, Kirtland AFB, New Mexico[Ψ,1] [Concentrations(mg/kg)]

Chemical Class	Analyte	PQL UTL	HHRB Action Level[2]	Borehole Number and Sample Depth Interval (ft) ST-205-01 7-9	12-14
VOC	Acetone	0.1	8000	0.01 J	ND
TPH	Diesel Fraction	10	100	3.8	1.4
METALS	Aluminum	13300	N/A	8030	8710
	Barium	496	5600	112	358
	Beryllium	0.83	0.2	0.34	0.57
	Cadmium	N/A	40	ND	ND
	Calcium	119000	N/A	63200	13600
	Chromium, Total	14.9	400	8.0	9.1
	Cobalt	11.3	N/A	3.7	6.3
	Copper	135	N/A	21.9	46.0
	Iron	20900	N/A	9880	14000
	Lead	22.9	400	10.8	9.7
	Magnesium	8730	N/A	3710	4540
	Manganese	435	400	142	310
	Nickel	54.4	1600	6.2	9.6
	Potassium	2730	N/A	1520	2090
	Selenium	N/A	400	ND	ND
	Sodium	519	N/A	75.1	88.2
	Vanadium	49.2	720	21.2	33.0
	Zinc	81.6	24000	36.5	58.8
OTHER	Moisture (%)			12.7	11.7
	pH			8.2	8.3

Ψ Complete table footnotes can be found after the last table in this section.

1 Complete laboratory analytical results including method detection limits are presented in the ITIR appendices.

2 Action Level Proposed Rule RCRA Subpart S Action Levels (55 FR 30814, 7/27/90).

*; TPH action level is 100 mg/kg adopted from NM UST regulations (USGS 2B Work Plan 3.6, NM El Board, 1990). SW-8015 analyzes volatile and semivolatile petroleum hydrocarbon fractions separately. The total concentration of the two fractions analyzed under 8015 will be used to assess compliance with stipulated action levels for the purpose of this RFI.

PQL; Practical Quantitation Limits (defines VOC, SVOC and TPH).

pCi/g; Picocuries per gram.

VOC; Volatile Organic Compounds.

TPH; Total Petroleum Hydrocarbons.

RAD; Radionuclides.

ND; Not Detected above the method detection limit.

U; Accept data (positive results may be influenced by lab contamination).

RE; Resample.

NA; Not Analyzed

UTL; Upper Tolerance Limits (defines METALS).

HHRB; Human Health Risk Based.

SVOC; Semivolatile Organic Compounds.

FR; Field Replicate.

UJ; Estimated Nondetect.

J; Estimated value.

R; Reject NDs due to interference.

--; No Data.

Metals

Beryllium (0.5 to 0.55 mg/kg) was detected in both soil samples from borehole ST-202-01 above the HHRB action level of 0.2 mg/kg but below the UTL of 0.83 mg/kg (Table 10-3). Lead was detected in the 7- to 10-ft sample at 38.9 mg/kg, below the HHRB action level of 400 mg/kg, but above the UTL of 22.9 mg/kg. The 12- to 14-ft sample also contained copper (148 mg/kg) and zinc (83.9 mg/kg) above the UTL concentrations but below the HHRB action levels (Table 10-3). The beryllium concentrations may be naturally occurring at Kirtland AFB as discussed in Section 4.2.2.

Soil pH and Moisture

Soil pH ranged from 8.2 to 8.4. Soil moisture ranged from 9.1 to 19.6 percent (Table 10-3).

10.4.2 ST-203 Analytical Results

Organic Compounds

The following VOC analytes were detected in one or more of the soil samples collected at ST-203: acetone, methyl ethyl ketone, and methylene chloride (Table 10-4). None of these compounds was detected at a concentration exceeding HHRB action levels. These compounds were also found in associated QC samples and are believed to be the result of laboratory contamination as discussed in Section 3.5.1.

The background sampling borehole, ST-203-01, contained the SVOC di-n-butylphthalate at 0.25 and 0.31 mg/kg. Bis-(2-ethylhexyl) pthalate (4.3 mg/kg) was detected only in the replicate 11-to 15-ft sample from this borehole. Phenol was detected in both samples from borehole ST-203-03. All detections were below HHRB action levels (Table 10-4).

Petroleum Hydrocarbons

Diesel range hydrocarbons were detected in all ST-203 samples at concentrations ranging from 1.2 to 48.0 mg/kg. The concentrations did not exceed the NMED action level of 100 mg/kg (Table 10-4).

Metals

Beryllium (0.21 to 0.69 mg/kg) was detected in all soil samples above the HHRB action level of 0.2 mg/kg but below the UTL of 0.83 mg/kg. The 6- to 8-ft sample at ST-203-01, the background borehole, contained chromium, copper, lead, nickel, and zinc above the UTL concentrations but below HHRB action levels. The replicate 11-to 15-ft sample from borehole ST-203-01 contained

zinc (82.5 mg/kg) above the UTL concentration but below the HHRB action level. The 11- to 13-ft sample at ST-203-02 contained chromium, copper, lead, nickel, and zinc above the UTL concentrations but below the HHRB action levels (Table 10-4). Copper does not have an HHRB action level. The beryllium concentrations may be naturally occurring at Kirtland AFB as discussed in Section 4.2.2.

Soil pH and Moisture

Soil pH ranged from 8.2 to 8.6. Soil moisture values ranged from 5.5 to 13.3 percent (Table 10-4).

10.4.3 ST-204 Analytical Results

Organic Compounds

The following VOC analytes were detected in one or more of the soil samples collected at ST-204: acetone, methyl ethyl ketone, methyl isobutyl ketone, and methylene chloride. None of these compounds was detected at levels exceeding HHRB action levels. These compounds were also detected in associated QC samples and are believed to be the result of laboratory contamination as discussed in Section 3.5.1. Toluene (0.004 mg/kg) was detected only in the 11- to 13-ft sample at ST-204-02 (Table 10-5). This concentration is below the HHRB action level.

No SVOC analytes were detected in the soil samples collected at ST-204 (Table 10-5).

Petroleum Hydrocarbons

Diesel range hydrocarbons were detected in all soil samples at ST-204. The concentrations ranged from 0.76 to 5.7 mg/kg. The concentrations did not exceed the NMED action level of 100 mg/kg (Table 10-5).

Metals

Beryllium (0.45 to 0.71 mg/kg) was detected in all soil samples above the HHRB action level of 0.2 mg/kg but below the UTL of 0.83 mg/kg (Table 10-5). Arsenic (9.1 mg/kg) was detected in the 11- to 15-ft replicate sample at ST-204-01 above the HHRB action level of 0.4 mg/kg. Arsenic was not detected in any other samples (Table 10-5). Manganese was detected above the HHRB action level of 400 mg/kg in the 11- to 15-ft sample and replicate sample at ST-204-01 (Table 10-5). These arsenic, beryllium, and manganese concentrations may be naturally occurring throughout Kirtland AFB as discussed in Section 4.2.2.

Soil pH and Moisture

Soil pH ranged from 8.0 to 8.3. Soil moisture values ranged from 11.2 to 15.1 percent (Table 10-5).

10.4.4 ST-205 Analytical Results

Organic Compounds

Acetone (0.01mg/kg) was the only VOC analyte detected in samples from ST-205-01. This concentration did not exceed the HHRB action level (Table 10-6). Acetone was detected in associated QC samples and is believed to be the result of laboratory contamination as discussed in Section 3.5.1.

No SVOC analytes were detected in the soil samples collected at ST-205 (Table 10-6).

Petroleum Hydrocarbons

Diesel range hydrocarbons were detected in all soil samples at ST-205. The concentrations ranged from 1.4 to 3.8 mg/kg. The concentrations did not exceed the NMED action level of 100 mg/kg (Table 10-6).

Metals

Beryllium (0.34 to 0.57 mg/kg) was detected in both soil samples from borehole ST-205-01 above the HHRB action level of 0.2 mg/kg but below the UTL of 0.83 mg/kg (Table 10-6). The beryllium concentrations may be naturally occurring at Kirtland AFB as discussed in Section 4.2.2.

Soil pH and Moisture

Soil pH ranged from 8.2 to 8.3. Soil moisture values ranged from 11.7 to 12.7 percent (Table 10-6).

10.5 Conclusions and Recommendations

Conclusions

- Several VOCs were detected in soil samples at these sites; however, all concentrations were below HHRB action levels. Total xylenes (detected in one sample) and toluene (detected in two samples) were below HHRB action levels. Three SVOCs were detected, but at concentrations below HHRB action levels.

- Petroleum hydrocarbons were present in most of the samples at ST-203, ST-204, and ST-205 at concentrations ranging from 0.14 to 48 mg/kg. These detection are below the NMED action level of 100 mg/kg.

- Diesel fraction hydrocarbons were detected at 100 mg/kg in the 7- to 10-ft sample from borehole ST-202-01. Napthalene (0.49 mg/kg), 2-methylnapthalene (0.77 mg/kg), and lead were also present in the same sample. Diesel fraction hydrocarbons decreased to 0.8 mg/kg in the 12- to 14-ft sample from the same borehole. The flight line ramp concrete adjacent to the sediment trap was cracked, allowing seepage to enter the soil. It is also possible that the unit could be leaking.

- Arsenic, beryllium, and manganese were the only metals detected at concentrations above the HHRB action levels. Arsenic was detected in only one replicate sample and manganese in two samples. Beryllium was detected in every sample. These concentrations of arsenic, beryllium, and manganese appear to be naturally occurring throughout Kirtland AFB.

- The analytical results for ST-203, ST-204, and ST-205 are not indicative of a release from these units.

Recommendations

- Based on the findings of the RFI, no further action is necessary; therefore, Sites ST-203, ST-204, and ST-205 do not require further investigation. A No Further Action proposal should be prepared.

- Sediment trap ST-202 should be checked for cracks and then be repaired or replaced if necessary. The concrete adjacent to the unit should be repaired.

- Additional soil sampling should be performed at Site ST-202 in the vicinity of borehole ST-202-01 to determine if petroleum hydrocarbons are present above the NMED action level and to define the lateral extent of potential soil contamination.

11.0 Site ST-206, Oil/Water Separator

11.1 Site Background and Environmental Setting

OWS ST-206 is in the western portion of Kirtland AFB outdoors north of the northwest corner of building 336 (Figure 11-1). Building 336 is an aircraft jet engine maintenance shop that dates back to World War II. ST-206, a concrete unit no longer in use, has a metal grate cover and measures 11 ft long, 6 ft wide, and 8 ft deep. It received inflow from a series of drains inside the western half of building 336. Those drains are no longer in use. The OWS outflow discharged east-southeast to an east-flowing storm sewer lateral located north of building 336. ST-206 was investigated on April 7, 1994. The probability that the OWS would overflow onto the surrounding area is very low since the inflow (drains) are no longer in use. If overflow did occur, it would infiltrate the grass area surrounding the unit.

Building 336 is located in the urban/industrial environmental zone, which is discussed in Section 2.0 Two production wells are located near this site. Well KAFB-13 is 2,800 ft west-northwest, and well KAFB-14 is 2,900 ft east-northeast (Figure 2-11).

11.2 Study Area Investigation

Possible source materials were not investigated in this study.

11.2.1 Previous Investigations

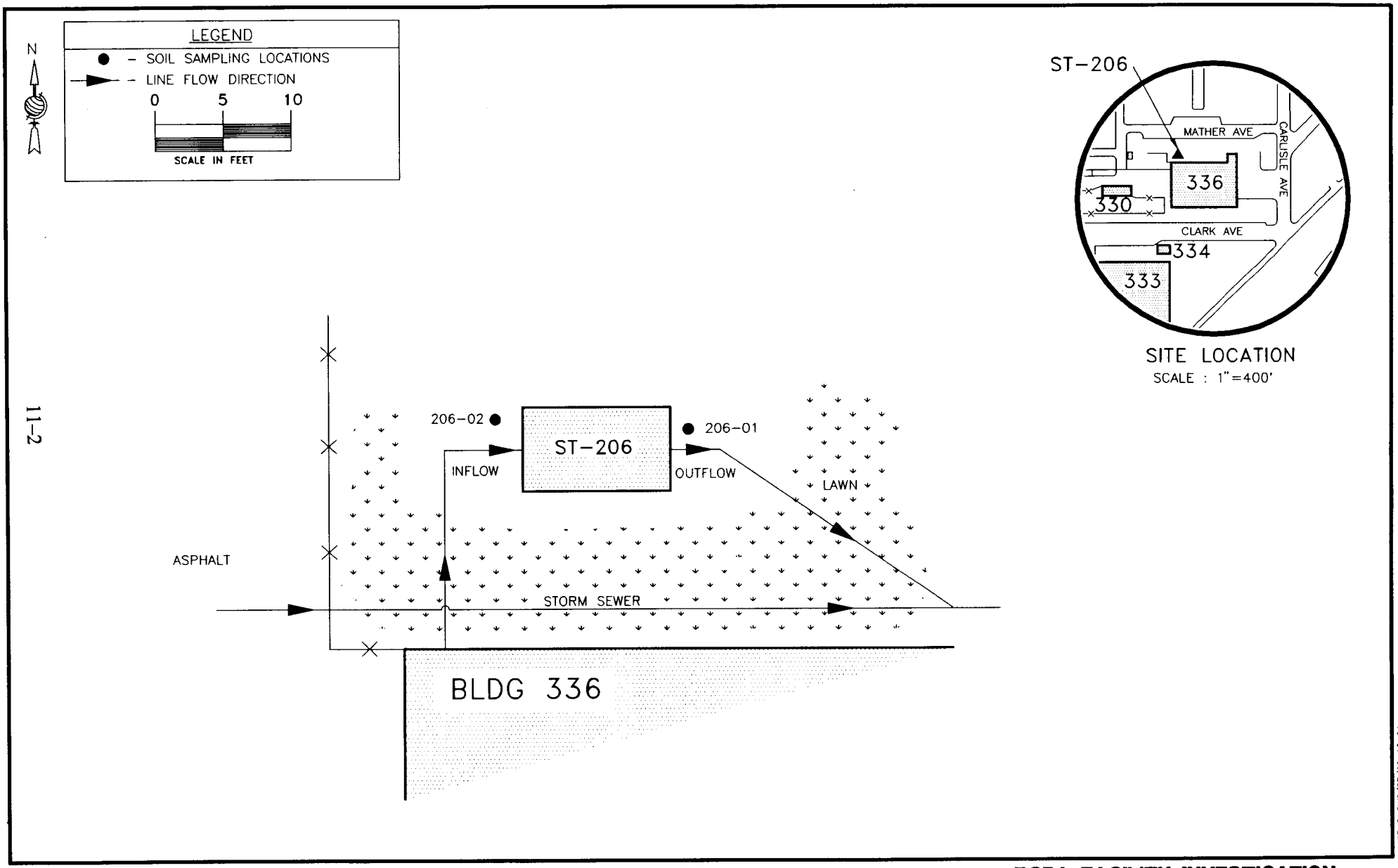
No previous investigations have been performed at this site.

11.2.2 Data Gaps

The main objective of this investigation was to determine if contamination is present in the subsurface soil adjacent to OWS ST-206. A secondary objective was to determine the OWS outflow destination and potential overflow runoff destination.

11.2.3 RFI Field Investigation

On April 7, 1994, two boreholes were drilled and sampled using a Geoprobe system. One borehole, associated with ST-208, was drilled in the lawn north of building 336 to collect background concentration data (Figure 13-1). This location was assumed to be in an area away from any known or suspected contamination. The other boreholes were drilled as close as possible to the OWS



SOIL SAMPLING LOCATIONS AT OIL/WATER SEPARATOR ST-206, BUILDING 336

FIGURE 11-1

RCRA FACILITY INVESTIGATION STAGE 2B KIRTLAND AIR FORCE BASE, NEW MEXICO

inflow and outflow piping (Figure 11-1). Two sample intervals were collected in each borehole; one at a depth equal to, and the other 5 ft below the OWS base (i.e., 8 and 13 ft).

Sampling operations and sample handling procedures are described in Section 3.0. Borehole locations, sample depths, and replicate samples collected at OWS ST-206 are shown in Table 11-1. Borehole logs are in Appendix C.

Table 11-1. Boreholes and Samples Collected at OWS ST-206, Building 336

Site	Borehole	Borehole Location	Sample Depths (ft)
ST-206	01	Near OWS outflow	8-10
			13-16
	02	Near OWS inflow	8-11
			13-16

11.2.4 Laboratory Analysis

Four soil samples were collected at this site. These samples were analyzed for VOCs, SVOCs, TPH, metals, mercury (the expected contaminants associated with normal operations at this facility), soil pH, and soil moisture. The four brass tubes in each 2-ft sample interval were field screened for possible contamination using gamma and beta-gamma meters, and an FID. No readings above background values were measured with these instruments.

11.3 Site Characteristics

11.3.1 Geology

The building 336 area is underlain by unconsolidated alluvial sediments. The sediments are predominantly silty sand to fine-grained sands and very fine-grained sands. Caliche was present in both boreholes as light to heavily-stained zones and patches. Two 16-ft-deep boreholes were drilled at ST-206. No borehole penetrated into the Santa Fe Group sediments that presumably underlie this area. A discussion of the general geology at Kirtland AFB is presented in Section 2.4.

As a result of OWS installation, it is probable that backfill material is present adjacent to the separator to a depth equal to the unit's depth. Borehole logs for this area are presented in Appendix C.

11.3.2 Hydrogeology

Groundwater beneath ST-206 is found within the Upper Santa Fe sediments and is generally thought to be unconfined in the upper portion of the aquifer. This area is within the HR1 saturated zone

setting as defined by SNL studies (Figure 2-9) (SNL, 1994). Hydrologic characterization in this portion of Kirtland AFB is complicated by the presence of numerous production wells (Figure 2-11). It is probable that uniform groundwater conditions do not exist in this region. Local cones of depression associated with groundwater withdrawal have altered the groundwater flow direction in the vicinity of the well fields (Figure 2-7).

It is probable that the gradient is to the northeast. Two production wells are located near ST-206. Well KAFB-13 is cross gradient 2,800 ft west-northwest, and well KAFB-14 is downgradient 2,900 ft east-northeast (Figures 2-7 and 2-11). Depth to groundwater is estimated to be about 350 ft below grade (Figure 2-10); however, shallower perched water zones may occur. Hydraulic conductivity within HR1 is estimated at 2 to 171 ft/day (SNL, 1994). A general discussion of the hydrogeology at Kirtland AFB is presented in Section 2.5.

11.4 Nature and Extent of Contamination

The following section describes the nature and extent of contamination based on soil sampling results. Analytical results for soil samples at OWS ST-206 are summarized in Table 11-2, where only the reportable concentrations are listed. Full analytical results are presented in Appendix G and laboratory validation reports are presented in Appendix K.

Organic Compounds

The following VOC analytes were detected in one or more of the soil samples collected at ST-206: acetone, methyl ethyl ketone, methyl isobutyl ketone, toluene, and methylene chloride. None of these compounds was detected at levels exceeding HHRB action levels (Table 11-2). These compounds were detected in associated QC samples and are believed to be the result of laboratory contamination as discussed in Section 3.5.1.

SVOC analytes detected in one or more of the soil samples collected at ST-206 include: di-n-butylphthalate, phenol, fluoranthene, and pyrene. None of these compounds was detected at levels exceeding HHRB action levels (Table 11-2).

Table 11-2. Summary of Reportable Concentrations for Soil Analyses at OWS ST-206 Bldg. 336, Kirtland AFB, New Mexico[Ψ,1]
[Concentrations (mg/kg)]

Chemical Class	Analyte	PQL UTL	HHRB Action Level[2]	Borehole Number and Sample Depth Interval (ft)			
				ST-206-01		*ST-206-02*	
				8-10	13-16	8-11	13-16
VOC	Acetone	0.1	8000	ND	0.0082 J	0.01 J	ND
	Methyl Ethyl Ketone	0.1	48000	ND	0.0013 J	0.0023 J	0.0031 J
	Methyl Isobutyl Ketone	0.05	N/A	ND	0.0013 J	0.0013 J	ND
	Methylene Chloride	0.005	93.3	ND	0.0013 J	0.0019 J	ND
	Toluene	0.005	16000	ND	ND	ND	0.0014 J
SVOC	di-n-Butylphthalate	0.7	8000	0.35	ND	0.34	0.28
	Fluoranthene	0.7	3360	ND	ND	ND	0.26
	Phenol	0.3	48000	ND	0.35	ND	ND
	Pyrene	0.7	2400	ND	ND	ND	0.25
TPH	Diesel Fraction	10	100	2.3	ND	ND	ND
METALS	Aluminum	13300	N/A	5340	4300	5960	6130
	Barium	496	5600	206	77.8	63.0	85.7
	Beryllium	0.83	0.2	0.23	0.22	0.33	0.43
	Cadmium	N/A	40	ND	ND	0.77	ND
	Calcium	119000	N/A	124000	34100	31100	29700
	Chromium, Total	14.9	400	4.6	7.2	8.3	8.2
	Cobalt	11.3	N/A	3.2	3.2	4.1	4.2
	Copper	135	N/A	22.8	51.1	43.9	97.5
	Iron	20900	N/A	5640	6150	8850	8920
	Lead	22.9	400	7.6	4.8	7.2	7.6
	Magnesium	8730	N/A	3780	2270	2780	3090
	Manganese	435	400	84.7	90.7	124	156
	Nickel	54.4	1600	5.4	66.4	61.0	37.3
	Potassium	2730	N/A	753	831	1290	1280
	Selenium	N/A	400	ND	ND	ND	ND
	Sodium	519	N/A	118	79.9	92.0	97.0
	Vanadium	49.2	720	16.2	16.5	20.7	20.3
	Zinc	81.6	24000	30.8	31.4	35.3	53.8
OTHER	Moisture (%)			12.3	7.1	8.7	7.6
	pH			11.2	10.5	9.3	8.9

Ψ Complete table footnotes can be found after the last table in this section.

1 Complete laboratory analytical results including method detection limits are presented in the ITIR appendices.

2 Action Level Proposed Rule RCRA Subpart S Action Levels (55 FR 30814, 7/27/90).

*; TPH action level is 100 mg/kg adopted from NM UST regulations (USGS 2B Work Plan 3.6, NM El Board, 1990). SW-8015 analyzes volatile and semivolatile petroleum hydrocarbon fractions separately. The total concentration of the two fractions analyzed under 8015 will be used to assess compliance with stipulated action levels for the purpose of this RFI.

PQL; Practical Quantitation Limits (defines VOC, SVOC and TPH).

pCi/g; Picocuries per gram.

VOC; Volatile Organic Compounds.

TPH; Total Petroleum Hydrocarbons.

RAD; Radionuclides.

ND; Not Detected above the method detection limit.

U; Accept data (positive results may be influenced by lab contamination).

RE; Resample.

NA; Not Analyzed

UTL; Upper Tolerance Limits (defines METALS).

HHRB; Human Health Risk Based.

SVOC; Semivolatile Organic Compounds.

FR; Field Replicate.

UJ; Estimated Nondetect.

J; Estimated value.

R; Reject NDs due to interference.

--; No Data.

Petroleum Hydrocarbons

Diesel range hydrocarbons were detected in the 8- to 10-ft sample at ST-206 at a concentration of 2.3 mg/kg. The concentration did not exceed the NMED action level of 100 mg/kg (Table 11-2).

Metals

Table 11-2 lists all reportable metal concentrations detected at ST-206 and their respective UTL and HHRB action level concentrations. The 13- to 16-ft soil sample at ST-206-01 contained nickel (66.4 mg/kg) above the UTL concentration of 54.4 mg/kg but below the HHRB action level of 1,600 mg/kg.

Beryllium was detected in all soil samples above the HHRB action level of 0.2 mg/kg but below the UTL of 0.83 mg/kg. Beryllium ranged from 0.22 to 0.43 mg/kg. These beryllium concentrations may be naturally occurring at Kirtland AFB as discussed in Section 4.2.2.

Soil pH and Moisture

Soil pH ranged from 8.9 to 11.2 in these samples. Soil moisture values ranged from 5.5 to 13 percent (Table 11-2).

11.5 Conclusions and Recommendations

Conclusions

- Five VOCs were detected in soil samples at ST-206; however, all concentrations were below the HHRB action levels. Four SVOCs were detected, all at concentrations below the HHRB action levels.
- Diesel fraction hydrocarbons (2.3 mg/kg) were present only in the 8- to 10-ft sample from borehole ST-206-01. This concentration is below the NMED action level of 100 mg/kg.
- Beryllium was the only metal detected above the HHRB action level of 0.2 mg/kg, but below the UTL of 0.83 mg/kg. These concentrations of beryllium appear to be naturally occurring throughout Kirtland AFB.
- The analytical results are not indicative of a release from this unit.

Recommendations

- Based on the findings of the RFI, no further action is necessary; therefore, Site ST-206 does not require further investigation. A No Further Action proposal should be prepared.

12.0 Site ST-207, Oil/Water Separator

12.1 Site Background and Environmental Setting

OWS ST-207 is in the western portion of Kirtland AFB outdoors northeast of the corner of building 336. This building is an aircraft jet engine repair shop that dates to World War II (Figure 12-1). OWS ST-207 is concrete, has a metal cover, and measures 11 ft long, 6.5 ft wide, and 8 ft deep. The separator receives inflow from a series of drains in the eastern half of building 336. The outflow discharges to a storm sewer lateral, located east of building 336. Site ST-207 was investigated on April 5-6, 1994. Reported maintenance of the separator includes occasional cleaning using a septic tank pumper (USGS, 1993a).

Building 336 is located in the urban/industrial environmental zone. This environmental setting is discussed in Section 2.0. Three production wells are located near this site. Well KAFB-12 is 3,300 ft to the north, well KAFB-13 is 3,000 ft west-northwest, and well KAFB-14 is 2,700 ft east-northeast (Figure 2-11).

12.2 Study Area Investigation

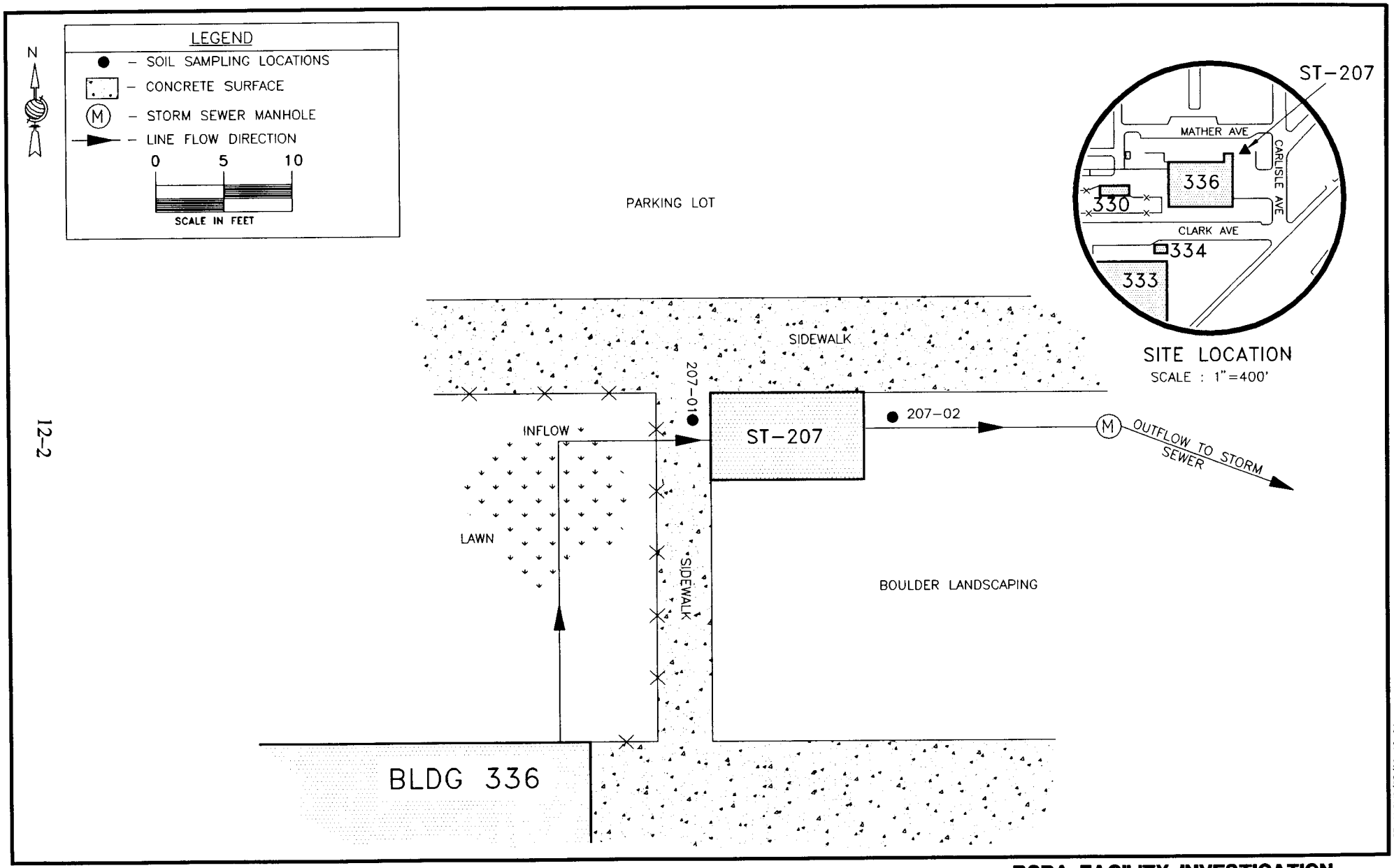
Possible source materials were not investigated in this study. Previous investigations sampled source materials as described below.

12.2.1 Previous Investigations

In 1990, 1991, and 1992, a Kirtland AFB environmental contractor sampled sludge present in OWS ST-207. In 1992, cadmium, 16.2 mg/kg, was above the RCRA toxicity limit of 1 mg/kg set for the TCLP analysis; chromium, 13.9 mg/kg, was greater than the limit of 5 mg/kg; and lead, 20.1 mg/kg, was greater than the limit of 5 mg/kg for the TCLP analysis. Full results for these samplings are presented in Appendix B of the USGS Stage 2B Work Plan (USGS, 1993a).

12.2.2 Data Gaps

The main objective of this investigation was to determine if contamination is present in the subsurface soil adjacent to OWS ST-207. A secondary objective was to determine the OWS outflow destination and potential surface runoff destination.



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SOIL SAMPLING LOCATIONS AT OIL/WATER SEPARATOR ST-207, BUILDING 336

FIGURE 12-1

RCRA FACILITY INVESTIGATION STAGE 2B KIRTLAND AIR FORCE BASE, NEW MEXICO

12.2.3 RFI Field Investigation

On April 7, 1994, two boreholes were drilled and sampled using a Geoprobe system. The boreholes were drilled as close as possible to the OWS inflow and outflow piping (Figure 12-1). Two intervals were sampled in each borehole; one at a depth equal to, and the other 5 ft below the OWS base (i.e., 8 and 13 ft).

One borehole, associated with Site ST-208, was drilled in the lawn north of building 336 to collect background concentration data (Figure 13-1). This location was assumed to be in an area away from any known or suspected contamination. Samples from this borehole were also used for background data for ST-207.

Sampling operations and sample handling procedures are described in Section 3.0. Borehole locations, sample depths, and replicate samples collected at ST-207 are shown in Table 12-1. Borehole logs are in Appendix C.

Table 12-1. Boreholes and Samples Collected at OWS ST-207, Building 336

Site	Borehole	Borehole Location	Sample Depths (ft)
ST-207	01	Near OWS inflow	8-10
			13-15
	02	Near OWS outflow	8-10
			13-15

12.2.4 Laboratory Analysis

Four soil samples were collected at this site. These samples were analyzed for VOCs, SVOCs, TPH, metals, mercury (the expected contaminants associated with normal operations at this facility) soil pH, and soil moisture. The four brass tubes in each 2-ft sample interval were field screened for possible contamination using gamma and beta-gamma meters, a PID, and an FID. No readings above background values were measured with these instruments.

12.3 Site Characteristics

12.3.1 Geology

The building 336 area is underlain by unconsolidated alluvial sediment. The sediments are predominantly fine-grained sands and very fine-grained to fine-grained silty sands. Caliche was present in the boreholes from about 4 to 8 ft as mottling. Two 15-ft boreholes were drilled at

building 336. No boreholes penetrated into the Santa Fe Group sediments that presumably underlie this area. A discussion of the general geology at Kirtland AFB is presented in Section 2.4.

As a result of OWS installation, it is probable that backfill material is present adjacent to the separator to a depth equal to the unit's depth. Borehole logs for this area are presented in Appendix C.

12.3.2 Hydrogeology

Groundwater beneath ST-207 is found within the Upper Santa Fe sediments and is generally thought to be unconfined in the upper portion of the aquifer. This area is within the HRI saturated zone setting as defined by SNL studies (Figure 2-9) (SNL, 1994). Hydrologic characterization in this portion of Kirtland AFB is complicated by the presence of numerous production wells (Figure 2-11). It is probable that uniform groundwater conditions do not exist in this region. Local cones of depression associated with groundwater withdrawal have altered the groundwater flow direction in the vicinity of the well fields (Figure 2-7).

It is probable that the gradient in this area is to the northeast. Two production wells are located near ST-207: well KAFB-13 is downgradient 3,000 ft west-northwest, and well KAFB-14 is downgradient 2,700 ft east-northeast (Figures 2-7 and 2-11). Depth to groundwater is estimated to be approximately 350 ft below grade (Figure 2-10); however, shallower perched water zones may occur. Hydraulic conductivity within HR1 is estimated at 2 to 171 ft/day (SNL, 1994). A general discussion of the hydrogeology at Kirtland AFB is presented in Section 2.5.

12.4 Nature and Extent of Contamination

The following section describes the nature and extent of contamination based on soil sampling results. Analytical results for soil samples at OWS ST-207 are summarized in Table 12-2, where only the reportable concentrations are listed. Full analytical results are presented in Appendix G and laboratory validation reports are presented in Appendix K.

Organic Compounds

The following VOC analytes were detected in one or more of the soil samples collected at ST-207: acetone, methyl ethyl ketone, methyl isobutyl ketone, and methylene chloride. None of the compounds was detected at levels exceeding HHRB action levels (Table 12-2). These compounds were detected in associated QC samples and are believed to be the result of laboratory contamination as discussed in Section 3.5.1.

Table 12-2. Summary of Reportable Concentrations for Soil Analyses at OWS ST-207 Bldg. 336, Kirtland AFB, New Mexico[Ψ,1]
[Concentrations (mg/kg)]

Chemical Class	Analyte	PQL UTL	HHRB Action Level[2]	Borehole Number and Sample Depth Interval (ft)			
				ST-207-01		*ST-207-02*	
				8-10	13-15	8-10	13-15
VOC	Acetone	0.1	8000	0.021	0.018	ND	ND
	Methyl Ethyl Ketone	0.1	48000	0.0045 J	0.013	ND	ND
	Methyl Isobutyl Ketone	0.05	N/A	0.0031 J	0.0028 J	ND	ND
	Methylene Chloride	0.005	93.3	0.0032 J	0.0029 J	ND	ND
TPH	Diesel Fraction	10	100	2.5	16	1.6	1.5
METALS	Aluminum	13300	N/A	10000	11200	5870	9700
	Barium	496	5600	120	69.2	104	57.6
	Beryllium	0.83	0.2	0.70	0.68	0.33	0.68
	Cadmium	N/A	40	0.70	ND	ND	ND
	Calcium	119000	N/A	36200	21300	39500	26300
	Chromium, Total	14.9	14.9	9.0	8.2	9.4	9.8
	Cobalt	11.3	N/A	6.4	8.6	3.5	7.8
	Copper	135	N/A	39.4	16.2	10.9	12.3
	Iron	20900	N/A	13200	15500	7170	13700
	Lead	22.9	400	9.2	10.2	8.6	9.7
	Magnesium	8730	N/A	5940	6000	2710	5470
	Manganese	435	400	302	353	109	363
	Mercury	N/A	N/A	ND	ND	0.11	0.12
	Nickel	54.4	1600	9.7	10.8	4.7	10.7
	Potassium	2730	N/A	1750	2530	1240	1980
	Selenium	N/A	400	ND	ND	ND	ND
	Sodium	519	N/A	141	264	92.0	148
	Vanadium	49.2	720	36.9	35.3	18.0	33.1
	Zinc	81.6	24000	48.0	44.4	20.5	38.1
OTHER	Moisture (%)			14.0	11.8	9.3	12.4
	pH			8.2	8.4	8.2	8.1

Ψ Complete table footnotes can be found after the last table in this section.

1 Complete laboratory analytical results including method detection limits are presented in the ITIR appendices.

2 Action Level Proposed Rule RCRA Subpart S Action Levels (55 FR 30814, 7/27/90).

*; TPH action level is 100 mg/kg adopted from NM UST regulations (USGS 2B Work Plan 3.6, NM El Board, 1990). SW-8015 analyzes volatile and semivolatile petroleum hydrocarbon fractions separately. The total concentration of the two fractions analyzed under 8015 will be used to assess compliance with stipulated action levels for the purpose of this RFI.

PQL; Practical Quantitation Limits (defines VOC, SVOC and TPH).

pCi/g; Picocuries per gram.

VOC; Volatile Organic Compounds.

TPH; Total Petroleum Hydrocarbons.

RAD; Radionuclides.

ND; Not Detected above the method detection limit.

U; Accept data (positive results may be influenced by lab contamination).

RE; Resample.

NA; Not Analyzed

UTL; Upper Tolerance Limits (defines METALS).

HHRB; Human Health Risk Based.

SVOC; Semivolatile Organic Compounds.

FR; Field Replicate.

UJ; Estimated Nondetect.

J; Estimated value.

R; Reject NDs due to interference.

--; No Data.

No SVOCs were detected in any of the soil samples collected from the site.

Petroleum Hydrocarbons

Diesel range hydrocarbons were detected in all four ST-207 site samples at concentrations ranging from 1.6 to 16 mg/kg. Diesel concentrations apparently increased with depth in borehole ST-207-01 from 2.5 mg/kg in the 8- to 10-ft sample up to 16 mg/kg in the 13- to 15-ft sample. The concentrations did not exceed the NMED action level of 100 mg/kg (Table 12-2). Diesel hydrocarbons were present in borehole ST-207-02 at similar concentrations to those detected in associated QC and background samples and may not indicate the presence of petroleum hydrocarbons in the soil.

Metals

Beryllium (0.33 to 0.7 mg/kg) was detected in all soil samples above the HHRB action level of 0.2 mg/kg but below the UTL of 0.83 mg/kg. These beryllium concentrations may be naturally occurring at Kirtland AFB as discussed in Section 4.2.2.

Soil pH and Moisture

Soil pH ranged from 8.1 to 8.4 in these samples. Soil moisture values ranged from 9.3 to 14.0 percent (Table 12-2).

12.5 Conclusions and Recommendations

Conclusions

- Four VOCs were detected in the soil samples collected at ST-207; however, all concentrations were below the HHRB action levels.
- Diesel hydrocarbons were present in all four samples collected at Site ST-207 at concentrations ranging from 1.5 to 16 mg/kg, below the NMED action level of 100 mg/kg.
- Beryllium was present in all samples above the HHRB action level of 0.2 mg/kg. These concentrations of beryllium appear to be naturally occurring throughout Kirtland AFB.
- The analytical results are not indicative of a release from this unit.

Recommendations

- Based on the findings of the RFI, no further action is necessary; therefore, Site ST-207 does not require further investigation. A No Further Action proposal should be prepared.

13.0 Site ST-208, Oil/Water Separator

13.1 Site Background and Environmental Setting

OWS ST-208 is located in the western portion of Kirtland AFB, outdoors, on the north side of building 336 next to the building entrance (Figure 13-1). Building 336 is an aircraft jet engine repair shop that dates back to World War II. ST-208, a concrete unit with a metal cover, measures 3 ft square and is 8 ft deep. It receives inflow from a drain associated with a wash rack inside building 336. The outflow discharges east-northeast to a storm sewer manhole east of the ST-207 OWS. Site ST-208 was investigated on April 6, 1994. If this unit were to overflow, it is probable that the discharged fluid would infiltrate the surrounding soil.

Building 336 is located in the urban/industrial environmental zone. This environmental setting is discussed in Section 2.0. Three production wells exist near this site: KAFB-12 is 3,300 ft to the north, KAFB-13 is 3,000 ft west-northwest, and KAFB-14 is 2,700 ft east-northeast (Figure 2-11).

13.2 Study Area Investigation

Possible source materials were not investigated in this study.

13.2.1 Previous Investigations

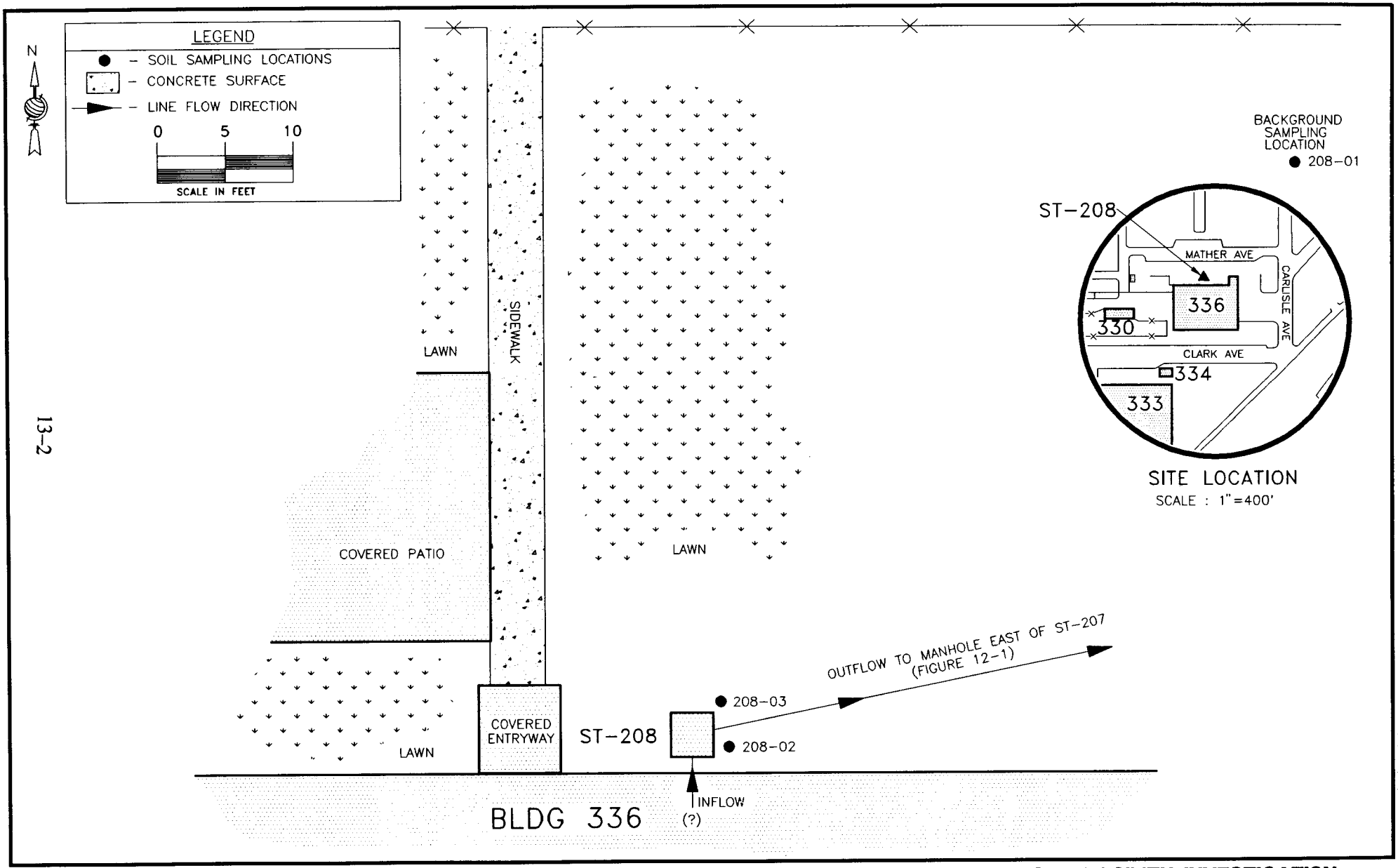
No previous investigations have been performed at this site (USGS, 1993a).

13.2.2 Data Gaps

The main objective of this investigation was to determine if contamination is present in the subsurface soil adjacent to OWS ST-208. A secondary objective was to determine the discharge destination and potential overflow runoff destination for the unit.

13.2.3 RFI Field Investigation

On April 6, 1994, three boreholes were drilled and sampled using a Geoprobe system. Limited access prevented locating one borehole as close to the inflow as desired (Figure 13-1). The second borehole was drilled as close as possible to the OWS outflow piping. Two intervals were sampled in each borehole; one at a depth equal to, and the other 5 ft below the OWS base (i.e., 8 and 13 ft). Borehole ST-208-01 was drilled in the lawn northeast of building 336 to collect background concentration data (Figure 13-1). This location was assumed to be in an area away from any known or suspected contamination.



SOIL SAMPLING LOCATIONS AT OIL/WATER SEPARATOR ST-208, BUILDING 336

FIGURE 13-1

RCRA FACILITY INVESTIGATION STAGE 2B KIRTLAND AIR FORCE BASE, NEW MEXICO

Sampling operations and sample handling procedures are described in Section 3.0. Borehole locations, sample depths, and replicate samples collected at OWS ST-208 are shown in Table 13-1. Borehole logs are in Appendix C.

Table 13-1. Boreholes and Samples Collected at OWS ST-208, Building 336

Site	Borehole	Borehole Location	Sample Depths (ft)
ST-208	01	Background sampling borehole	8-10
			13-17[a]
	02	Near OWS outflow	8-13
			13-15
	03	Near OWS inflow	8-10
			13-15

a. Replicate sample also collected at this interval.

13.2.4 Laboratory Analysis

Including replicate samples, a total of seven soil samples were collected at this site. These samples were analyzed for VOCs, SVOCs, TPH, metals, mercury (the expected contaminants associated with normal operations at this building) soil pH, and soil moisture. The four brass tubes in each 2-ft sample interval were field screened for possible contamination using gamma and beta-gamma meters, a PID, and an FID. No readings above background values were measured with these instruments.

13.3 Site Characteristics

13.3.1 Geology

The building 336 area is underlain by unconsolidated alluvial sediment. The sediments are predominantly fine-grained sands and very fine-grained to fine-grained silty sands. At borehole ST-208-01, gravely sand to sandy gravel was encountered at 14 ft and extends to at least 17 ft. Caliche was present in all boreholes as mottled intervals, stringers, and patches. Borehole ST-208-01 was drilled to 17 ft, and the two others were drilled to 15 ft. No boreholes penetrated into the Santa Fe Group sediments that presumably underlie this area. A discussion of the general geology at Kirtland AFB is presented in Section 2.4.

As a result of OWS installation, it is probable that backfill material is present adjacent to the separator to a depth equal to the unit's depth. Borehole logs for this area are presented in Appendix C.

13.3.2 Hydrogeology

Groundwater beneath ST-208 is found within the Upper Santa Fe sediments and is generally thought to be unconfined in the upper portion of the aquifer. This area is within the HRI saturated zone setting as defined by SNL studies (Figure 2-9) (SNL, 1994). Hydrologic characterization in this portion of Kirtland AFB is complicated by the presence of numerous production wells (Figure 2-11). It is probable that uniform groundwater conditions do not exist in this region. Local cones of depression associated with groundwater withdrawal have altered the groundwater flow direction in the vicinity of the well fields (Figure 2-7).

It is probable that the gradient in this area is to the northeast. Two production wells are located near ST-208: well KAFB-13 is downgradient, 2,900 ft west-northwest, and well KAFB-14 is downgradient 2,800 ft east-northeast (Figures 2-7 and 2-11). Depth to groundwater is estimated to be approximately 350 ft below grade (Figure 2-10); however, shallower perched water zones may occur. Hydraulic conductivity within HR1 is estimated at 2 to 171 ft/day (SNL, 1994). A general discussion of the hydrogeology at Kirtland AFB is presented in Section 2.5.

13.4 Nature and Extent of Contamination

The following section describes the nature and extent of contamination based on soil sampling results. Analytical results for soil samples at OWS ST-208 are summarized in Table 13-2, where only the reportable concentrations are listed. Full analytical results are presented in Appendix G and laboratory validation reports are presented on Appendix K.

Organic Compounds

No VOCs were detected in any of the soil samples collected at ST-208.

Phenol, the only SVOC detected, was present in the 13- to 15-ft sample from borehole ST-208-02 at 0.26 mg/kg, below the HHRB action level of 48,000 mg/kg (Table 13-2).

Petroleum Hydrocarbons

Diesel range hydrocarbons were detected in all seven samples, including the background borehole at ST-208, at concentrations ranging from 0.38 to 1.5 mg/kg. Gasoline range hydrocarbons were detected in the 13- to 15-ft sample from borehole ST-208-02 at a concentration of 0.26 mg/kg. These concentrations did not exceed the NMED action level of 100 mg/kg (Table 13-2). These

Table 13-2 . Summary of Reportable Concentrations for Soil Analyses at OWS ST-208 Bldg. 336, Kirtland AFB, New Mexico[Ψ,1]
[Concentrations (mg/kg)]

Chemical Class	Analyte	PQL / UTL	HHRB Action Level[2]	Borehole Number and Sample Depth Interval (ft)						
				ST-208-01			*ST-208-02*		*ST-208-03*	
				8-10	13-17	13-17 FR	8-12	13-15	8-10	13-15
SVOC	Phenol	0.3	48000	ND	ND	ND	ND	0.26 J	ND	ND
TPH	Diesel Fraction	10	100	1.5	1.2	1.2	1.2	0.69	0.60	0.38
	Gasoline Fraction	1	100	ND	ND	ND	ND	0.26	ND	ND
METALS	Aluminum	13300	N/A	5500 J	4400	3440	7820	9170	7250	8140
	Arsenic	N/A	0.4	8.5	ND	ND	ND	ND	ND	ND
	Barium	496	5600	83.0 J	66.7	45.9	101	63.0	61.6	47.6
	Beryllium	0.83	0.2	0.44	0.21	0.21	0.44	0.46	0.45	0.45
	Cadmium	N/A	40	0.77	0.52	ND	ND	0.57	ND	0.56
	Calcium	119000	N/A	20700 J	3260	2180	23100	24000	46100	8280
	Chromium, Total	14.9	14.9	4.7	2.6	2.6	9.6	8.6	7.2	7.5
	Cobalt	11.3	N/A	4.9	5.4	3.7	4.4	8	4.5	7.3
	Copper	135	N/A	21.8 J	29.3	134	36.5	19.8	10.0	25.8
	Iron	20900	N/A	9500	8760	6740	10100	15400	9450	13700
	Lead	22.9	400	5.3	3.1	4.1	ND	11.0	4.7	6.9
	Magnesium	8730	N/A	3540	3040	2250	3080	5330	3190	4020
	Manganese	435	400	162	198	156	119	338	128	290
	Nickel	54.4	1600	3.3	ND	ND	15.7	9.6	5.7	7.3
	Potassium	2730	N/A	1020 J	1490	1190	1460	2630	1400	2030
	Sodium	519	N/A	67.9 J	55.5	57.3	64.7	86.5	63.5	73.5
	Vanadium	49.2	720	27.0	17.9	13.3	26.8	35.8	25.1	31.0
	Zinc	81.6	24000	28.1	35.2	65.3	31.0	47.1	22.4	41.1
OTHER	Moisture (%)			8.6	3.8	2.5	9.8	12.6	11.0	10.2
	pH			8.1	8.2	8.3	8.1	8.0	8.0	8.0

Ψ Complete table footnotes can be found after the last table in this section.

1 Complete laboratory analytical results including method detection limits are presented in the ITIR appendices.

2 Action Level Proposed Rule RCRA Subpart S Action Levels (55 FR 30814, 7/27/90).

*; TPH action level is 100 mg/kg adopted from NM UST regulations (USGS 2B Work Plan 3.6, NM EI Board, 1990). SW-8015 analyzes volatile and semivolatile petroleum hydrocarbon fractions separately. The total concentration of the two fractions analyzed under 8015 will be used to assess compliance with stipulated action levels for the purpose of this RFI.

PQL; Practical Quantitation Limits (defines VOC, SVOC and TPH).

pCi/g; Picocuries per gram.

VOC; Volatile Organic Compounds.

TPH; Total Petroleum Hydrocarbons.

RAD; Radionuclides.

ND; Not Detected above the method detection limit.

U; Accept data (positive results may be influenced by lab contamination).

RE; Resample.

NA; Not Analyzed

UTL; Upper Tolerance Limits (defines METALS)

HHRB; Human Health Risk Based.

SVOC; Semivolatile Organic Compounds.

FR; Field Replicate.

UJ; Estimated Nondetect.

J; Estimated value.

R; Reject NDs due to interference.

--; No Data.

hydrocarbons were present at similar concentrations in associated QC and background samples and may not indicate the presence of petroleum hydrocarbons in the soil.

Metals

Beryllium was detected in all soil samples above the HHRB action level of 0.2 mg/kg but below the UTL of 0.83 mg/kg. Beryllium concentrations ranged from 0.21 to 0.46 mg/kg. These beryllium concentrations may be naturally occurring at Kirtland AFB, as discussed in Section 4.2.2. Arsenic was detected only in the 8- to 10-ft sample from ST-208-01 (background sample) at 8.5 mg/kg, above the HHRB action level of 0.40 mg/kg (Table 13-2).

Soil pH and Moisture

Soil pH ranged from 8.0 to 8.3 in these samples. Soil moisture values ranged from 2.5 to 12.6 percent (Table 13-2).

13.5 Conclusions and Recommendations

Conclusions

- Petroleum hydrocarbons were present in all seven samples collected at the site with concentrations ranging from 0.38 to 1.5 mg/kg, below the NMED action level of 100 mg/kg.
- Beryllium was present in all samples above the HHRB action level of 0.2 mg/kg. These concentrations of beryllium appear to be naturally occurring throughout Kirtland AFB.
- Arsenic was detected at 8.5 mg/kg in background sample ST-208-01 from 8 to 10 ft, which exceeds the HHRB action level of 0.39 mg/kg. This concentration of arsenic may be naturally occurring throughout Kirtland AFB.
- The analytical results are not indicative of a release from this unit.

Recommendations

- Based on the findings of the RFI, no further action is necessary; therefore, Site ST-208 does not require further investigation. A No Further Action proposal should be prepared.

14.0 Site ST-209, Catch Basin

14.1 Site Background and Environmental Setting

Catch basin ST-209 is in the western portion of Kirtland AFB indoors on the north side of building 336, next to the lunchroom (Figure 14-1). Building 336 is an aircraft jet engine repair shop that dates back to World War II. ST-209 is a concrete unit measuring 15 ft long, 12 ft wide, and 7 ft deep with a metal grate cover. Items to be cleaned are placed over the catch basin and washed down. Inflow to the basin is through the grate and the outflow discharges to ST-207. ST-209 was investigated on April 22, 1994. The probability that the catch basin would overflow is probably nonexistent, because inflow is visually monitored. If the basin did overflow, drainage would be directed to the floor drains located south of the unit and would probably go to OWS ST-207.

Building 336 is located in the urban/industrial environmental zone. This environmental setting is discussed in Section 2.0. Two production wells are located near this site. Well KAFB-13 is 2,900 ft west-northwest, and well KAFB-14 is 2,800 ft east-northeast (Figure 2-11).

14.2 Study Area Investigation

Possible source materials were not investigated in this study.

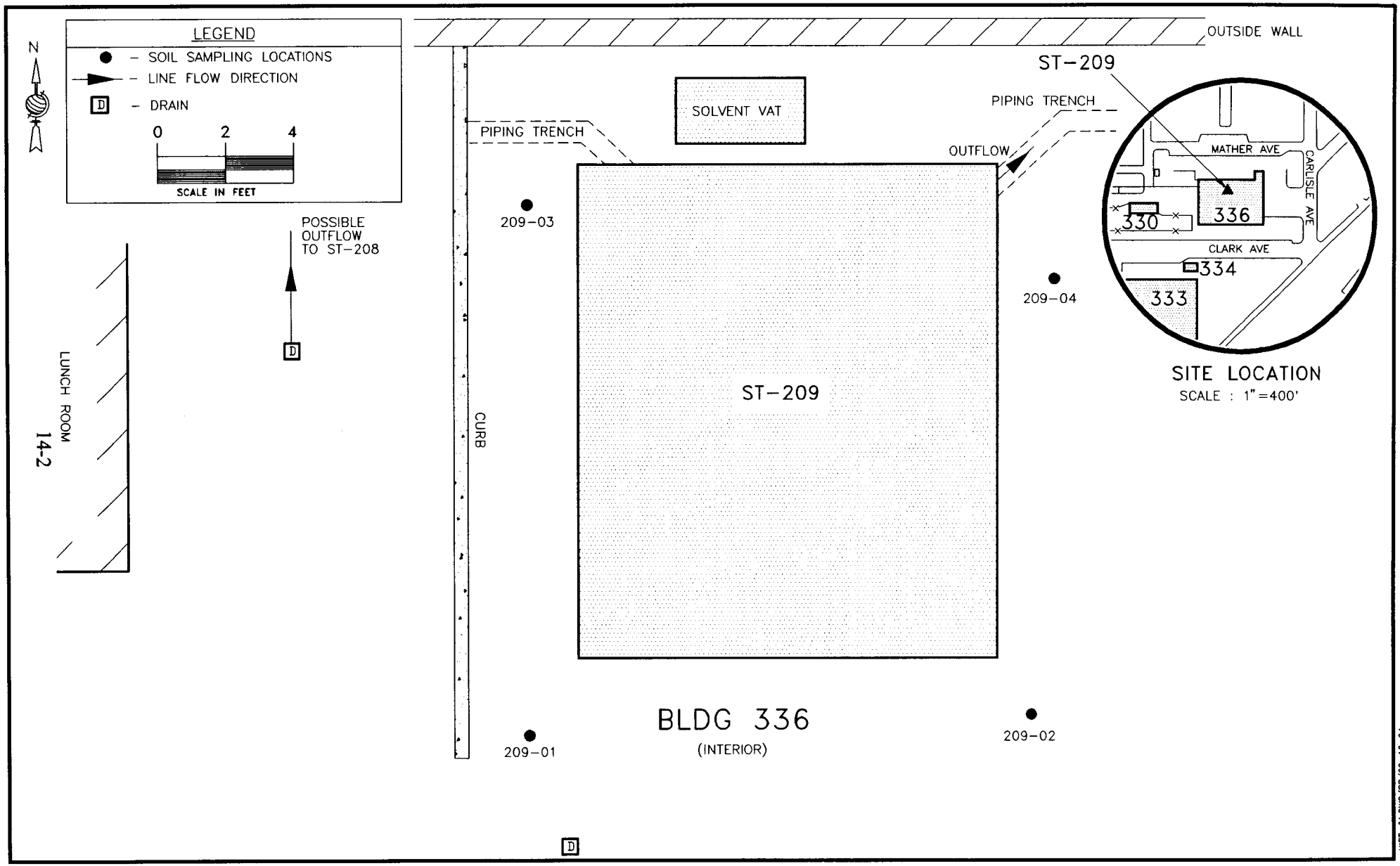
14.2.1 Previous Investigations

No previous investigations have been performed at this site.

14.2.2 Data Gaps

The USGS noted in the Stage 2B Work Plan (USGS, 1993a) that records indicate a much smaller catch basin, 20 inches by 30 inches, with an unknown depth that drains to ST-207. The dimensions coincide with a wash rack drain just west of the catch basin (Figure 14-1). Field investigation indicates that this drain is still in use at the wash area and possibly discharges north to OWS ST-208.

The main objective of this investigation was to determine if contamination is present in the subsurface soil adjacent to ST-209. A secondary objective was to determine the discharge destination and potential outflow runoff destination for this unit.



SOIL SAMPLING LOCATIONS AT CATCH BASIN ST-209, INSIDE BUILDING 336

FIGURE 14-1

RCRA FACILITY INVESTIGATION STAGE 2B KIRTLAND AIR FORCE BASE, NEW MEXICO

14.2.3 RFI Field Investigation

On April 22, 1994, four boreholes were drilled and sampled using a Geoprobe system. One borehole, associated with ST-208, was drilled in the lawn north of building 336 to collect background concentration data (Figure 13-1). This location was assumed to be in an area away from any known or suspected contamination. The other boreholes were drilled adjacent to the unit and borehole four was drilled as close as possible to the outflow piping. Two sample intervals were collected in each borehole; one at a depth equal to, and the other 5 ft below the units base (i.e., 7 and -12 ft).

Sampling operations and sample handling procedures are described in Section 3.0. Borehole locations, sample depths, and replicate samples collected at ST-209 are shown in Table 14-1. Borehole logs are in Appendix C.

Table 14-1. Boreholes and Samples Collected at Catch Basin ST-209, Building 336

Site	Borehole	Borehole Location	Sample Depths (ft)
ST-209	01	Adjacent to catch basin	7-9
			12-14
	02	Adjacent to catch basin	7-9
			12-14
	03	Adjacent to catch basin	7-11
			12-14
	04	Near catch basin outflow	7-9
			12-16[a]

a. Replicate sample also collected at this interval.

14.2.4 Laboratory Analysis

Nine soil samples were collected at this site. These samples were analyzed for VOCs, SVOCs, TPH, metals, mercury (the expected contaminants associated with normal operations at this facility), soil pH, and soil moisture. The four brass tubes in each 2-ft sample interval were field screened for possible contamination using gamma and beta-gamma meters, and a PID detector. No readings above background values were measured with these instruments.

14.3 Site Characteristics

14.3.1 Geology

The building 336 area is underlain by unconsolidated alluvial sediments. The sediments are predominantly silty sand to fine-grained sands and very fine-grained sands. Caliche was present in all boreholes as light to heavily-stained zones and patches. Three 14-ft and one 16-ft-deep boreholes were drilled at ST-209. No borehole penetrated into the Santa Fe Group sediments that presumably underlie this area. A discussion of the general geology at Kirtland AFB is presented in Section 2.4.

As a result of catch basin installation it is probable that backfill material is present adjacent to the catch basin to a depth equal to the unit's depth. Borehole logs for this area are presented in Appendix C.

14.3.2 Hydrogeology

Groundwater beneath ST-209 is found within the Upper Santa Fe sediments and is generally thought to be unconfined in the upper portion of the aquifer. This area is within the HR1 saturated zone setting as defined by SNL studies (Figure 2-9) (SNL, 1994). Hydrologic characterization in this portion of Kirtland AFB is complicated by the presence of numerous production wells (Figure 2-11). Uniform groundwater conditions in this region probably do not exist. Local cones of depression associated with groundwater withdrawal have altered the groundwater flow direction in the vicinity of the well fields (Figure 2-7).

It is probable that the gradient is probably to the northeast. Two production wells are located near ST-209. Well KAFB-13 is cross gradient 2,900 ft west-northwest, and well KAFB-14 is downgradient 2,800 ft east-northeast (Figures 2-7 and 2-11). Depth to groundwater is estimated to be approximately 350 ft below grade (Figure 2-10); however, shallower perched water zones may occur. Hydraulic conductivity within HR1 is estimated at 2 ft/day to 171 ft/day (SNL, 1994). A general discussion of the hydrogeology at Kirtland AFB is presented in Section 2.5.

14.4 Nature and Extent of Contamination

The following section describes the nature and extent of contamination based on soil sampling results. Analytical results for soil samples at OWS ST-209 are summarized in Table 14-2, where only the reportable concentrations are listed. Full analytical results are presented in Appendix G and laboratory validation reports are presented in Appendix K.

Table 14-2 . Summary of Reportable Concentrations for Soil Analyses at Catch Basin ST-209 Bldg. 336, Kirtland AFB, New Mexico[Ψ,1]
[Concentrations (mg/kg)]

Chemical Class	Analyte	PQL / UTL	HHRB Action Level[2]	Borehole Number and Sample Depth Interval (ft)								
				ST-209-01		*ST-209-02*		*ST-209-03*		*ST-209-04*		
				7-9	12-14	7-9	12-14	7-11	12-14	7-9	12-16	12-16 FR
VOC	Acetone	0.1	8000	ND	ND	ND	ND	0.012	0.0084 J	ND	ND	ND
	Methylene Chloride	0.005	93.3	0.0018 J	0.0012 J	0.0019 J	0.0018 J	0.0027 J	0.0019 J	ND	ND	0.002 J
	Tetrachloroethylene	0.005	800	ND	0.0027	0.0016 J	ND	0.0014 J	ND	ND	ND	ND
	Toluene	0.005	16000	ND	0.0047	ND	ND	0.0038	0.0024 J	0.0054	0.0029 J	0.0032
	Total Xylenes	0.005	160000	ND	0.0027 J	ND	ND	ND	ND	ND	ND	ND
SVOC	di-n-Butylphthalate	0.7	8000	0.33	0.59	0.4	0.24	0.49	0.26	ND	ND	0.31
TPH	Diesel Fraction	10	100	1.5	13	11	6.7	6.3	2.5	1.5	1.1	0.92
METALS	Aluminum	13300	N/A	9190	11000	9760	10700	8470	11800	8940	13400	5310
	Arsenic	N/A	0.4	ND	8.5	ND	ND	6.9	ND	ND	ND	ND
	Barium	496	5600	52	133	393	54.2	83.0	62.1	929	236	58.4
	Beryllium	0.83	0.2	0.43	0.65	0.55	0.55	0.44	0.67	0.44	0.67	0.41
	Cadmium	N/A	40	ND	1.3	ND	ND	ND	0.78	1.9	1.1	ND
	Calcium	119000	N/A	55000	23700	46000	19100	41000	33500	61600	36900	3500
	Chromium, Total	14.9	14.9	8.9	10.7	10.2	10.9	9.8	11.6	8.7	12.4	4.6
	Cobalt	11.3	N/A	6.0	8.1	6.2	7.8	5.7	8.1	6.4	11.7	6.7
	Copper	135	N/A	15.7	16.9	19.4	25.7	43.9	23.8	17.4	26.7	36.3
	Iron	20900	N/A	14900	16000	12600	16100	13500	17000	12800	20900	10800
	Lead	22.9	400	6.2	8.9	7.6	9.2	7.8	8.6	31.3	31.0	ND
	Magnesium	8730	N/A	5420	5940	5210	5570	4890	6110	5080	7180	3410
	Manganese	435	400	192	293	196	282	178	311	210	431	226
	Nickel	54.4	1600	8.0	8.9	8.3	9.4	25.2	9.3	11.2	10.4	5.1
	Potassium	2730	N/A	1510	2130	1620	2280	1360	2480	1420	3350	1510
	Selenium	N/A	400	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Sodium	519	N/A	362	457	403	384	144	112	1710	1760	387
	Vanadium	49.2	720	40.1	35.0	34.8	37.1	37.1	39.1	35.3	48.7	24.2
	Zinc	81.6	24000	31.4	43.3	36.2	51.4	39.8	52.5	33.2	57.6	40.6
OTHER	Moisture (%)			8.0	8.3	9.1	9.7	9.5	10.6	9.3	10.6	1.9
	pH			9.1	8.9	9.0	8.9	9.0	8.7	9.2	9.3	9.3

Ψ Complete table footnotes can be found after the last table in this section.

1 Complete laboratory analytical results including method detection limits are presented in the ITIR appendices.

2 Action Level Proposed Rule RCRA Subpart S Action Levels (55 FR 30814, 7/27/90).

*; TPH action level is 100 mg/kg adopted from NM UST regulations (USGS 2B Work Plan 3.6, NM El Board, 1990). SW-8015 analyzes volatile and semivolatile petroleum hydrocarbon fractions separately. The total concentration of the two fractions analyzed under 8015 will be used to assess compliance with stipulated action levels for the purpose of this RFI.

PQL; Practical Quantitation Limits (defines VOC, SVOC and TPH).

pCi/g; Picocuries per gram.

VOC; Volatile Organic Compounds.

TPH; Total Petroleum Hydrocarbons.

RAD; Radionuclides.

ND; Not Detected above the method detection limit.

U; Accept data (positive results may be influenced by lab contamination).

RE; Resample.

NA; Not Analyzed

UTL; Upper Tolerance Limits (defines METALS).

HHRB; Human Health Risk Based.

SVOC; Semivolatile Organic Compounds.

FR; Field Replicate.

UJ; Estimated Nondetect.

J; Estimated value.

R; Reject NDs due to interference.

--; No Data.

Organic Compounds

The following VOC analytes were detected in one or more of the soil samples collected at ST-209: acetone, tetrachloroethylene, methylene chloride, toluene, and total xylenes. Acetone and methylene chloride were detected in associated QC samples and are believed to be the result of laboratory contamination as discussed in Section 3.5.1. Tetrachloroethylene (0.0014 to 0.0027 mg/kg), toluene (0.0024 to 0.0047 mg/kg), and total xylenes (0.0027 mg/kg) were not detected at concentrations exceeding HHRB action levels (Table 14-2).

The SVOC di-n-butylphthalate was detected in most samples. The concentrations ranged from 0.24 to 0.59 mg/kg. None of these concentrations exceeded the HHRB action level (Table 14-2).

Petroleum Hydrocarbons

Diesel range hydrocarbons were detected in all soil samples at ST-209 at concentrations ranging from the 1.1 to 13 mg/kg. These concentrations did not exceed the NMED action level of 100 mg/kg (Table 14-2).

Metals

The 7- to 9-ft soil sample at ST-209-04 contained barium (estimated 929 mg/kg) and lead (31.3 mg/kg) above the UTL concentrations but below the HHRB action levels. The 12- to 16-ft soil sample at ST-209-04 contained cobalt (11.7 mg/kg) and lead (31 mg/kg) above the UTL concentrations. Lead was below the HHRB action level and no action level has been established for cobalt.

Manganese (431 mg/kg) was detected in the 12- to 16-ft sample at ST-209-04 above the HHRB action level of 400 mg/kg (Table 14-2). Beryllium (0.43 to 0.67 mg/kg) was detected in all samples, including those from the background sampling borehole ST-208-01, at concentrations below the UTL of 0.83 mg/kg, but above the HHRB action level of 0.2 mg/kg (Table 14-2). These metal concentrations may be naturally occurring at Kirtland AFB as discussed in Section 4.2.2. Arsenic was detected in the 12- to 14-ft sample at ST-209-01 (8.5 mg/kg) and the 7- to 11-ft sample at ST-209-03 (6.9 mg/kg) at concentrations above the HHRB action level of 0.4 mg/kg (Table 14-2).

Soil pH and Soil Moisture

Soil pH ranged from 8.7 to 9.3. Soil moisture values ranged from 1.9 to 10.6 percent (Table 14-2).

14.5 Conclusions and Recommendations

Conclusions

- Five VOCs were detected in soil samples at ST-209, however all concentrations were below the HHRB action levels. One SVOC (di-n-butylphthalate) was detected in most samples, but at concentrations below the HHRB action level.

- Diesel fraction hydrocarbons were detected in all samples with concentrations ranging from 1.1 to 13 mg/kg, below the NMED action level of 100 mg/kg.

- Arsenic in two samples, beryllium in all samples, and manganese in one sample were the only metals detected at concentrations above HHRB action levels. Manganese was found in all samples, but only in one sample above the HHRB action level. These concentrations of arsenic, beryllium, and manganese appear to be naturally occurring throughout Kirtland AFB as discussed in Section 3.5.1.

- Building 336 has been in operation since World War II, but it is unknown how long the catch basin has been in service. Analyte detections at ST-209 are not indicative of a release at this unit.

Recommendations

- Based on the findings of the RFI, no further action is necessary; therefore, Site ST-209 does not require further investigation. A No Further Action proposal should be prepared.

15.0 Site ST-210, Oil/Water Separator, Holding Tank, and Fuel Filter Rack

15.1 Site Background and Environmental Setting

OWS and holding tank ST-210, and fuel filter drying rack are in the western portion of Kirtland AFB outside along the northwest side of building 377, the fuel tanker maintenance shop (Figure 15-1). The holding tank is approximately 5 ft deep, and the OWS is 7 ft deep. Both units are cylindrical, made of concrete, measure 3.7 ft in diameter, and are covered with solid aluminum lids. The OWS receives inflow from area drains inside building 377 and from floor drains in building 378. Water-phase liquid discharges from the unit northeast to a storm sewer lateral. Oil-phase liquid discharges southwest through a buried pipe from the OWS to the holding tank. The fuel filter drying rack sits in a railroad tie-framed gravel area, approximately 16 ft long by 5 ft wide near the southwest corner of the building. This drying rack was noted during the field investigation in June, 1994. Several large fuel filters were observed laying in a low metal rack inside the area bordered by railroad ties. Building personnel said that fuel filters from the fuel tanker pumping systems are infrequently placed on the rack to air-dry.

ST-210 was investigated with a Geoprobe on March 23-25, 1994, and June 8-10, and 15, 1994. Hollow-stem auger soil sampling was also performed at ST-210 on July 6-7, 1994. If the oil/water separator or holding tank did overflow, it would infiltrate into the soil adjacent to these units.

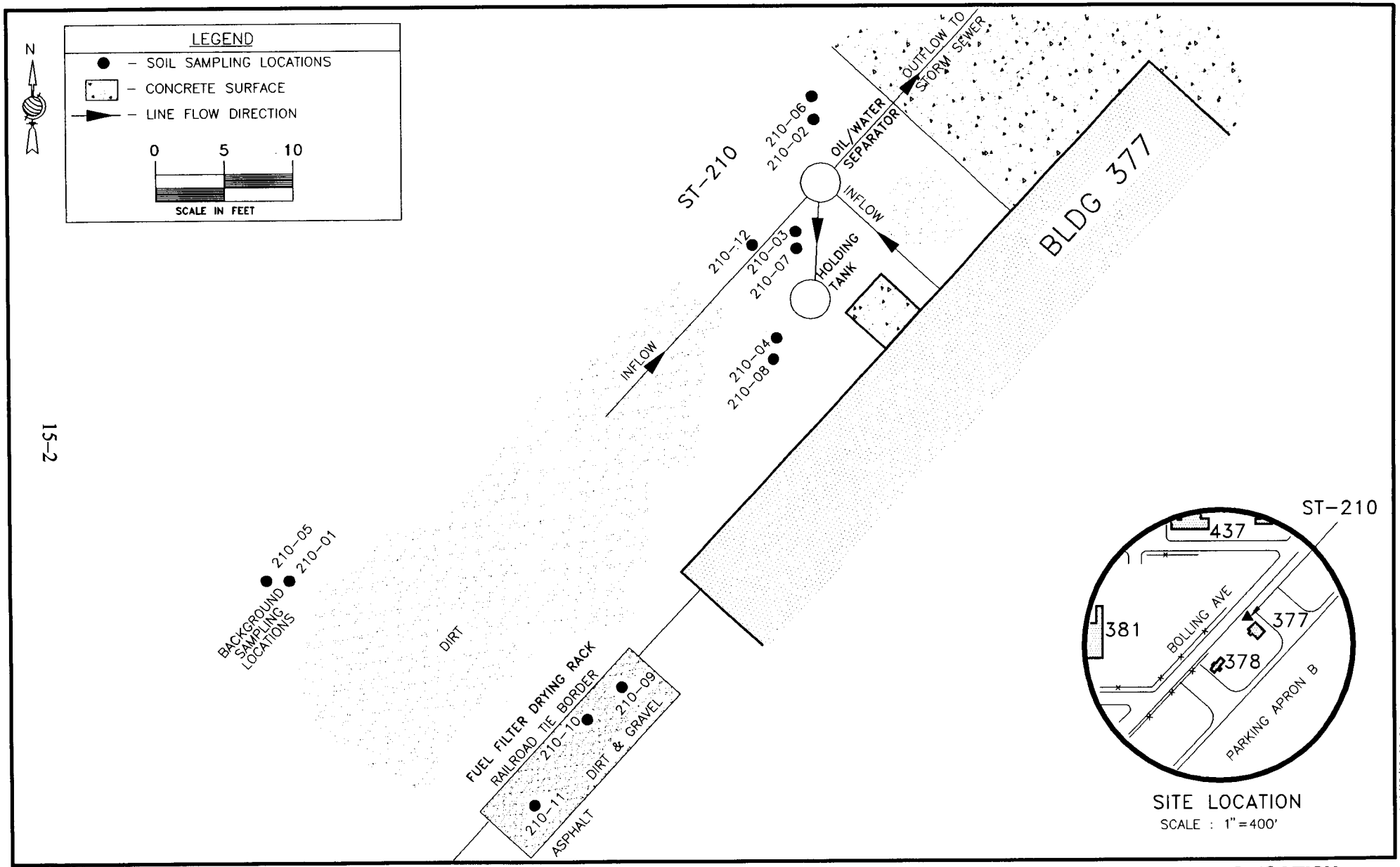
Building 377 is located in the urban/industrial environmental zone. This environmental setting is discussed in Section 2.0. Three production wells are located near these sites. Well KAFB-14 is located 1,700 ft east, KAFB-12 is 2,800 ft north-northwest, and KAFB-13 is 3,500 ft west-northwest (Figure 2-11).

15.2 Study Area Investigation

Possible source materials were not investigated in this study. Previous investigations sampled source materials as described below.

15.2.1 Previous Investigations

In 1990, 1991, and 1992, a Kirtland AFB environmental contractor sampled materials present in the OWS. A concentration of 56,220 mg/kg for TPH was reported for the 1990 sampling. The 1991 samples contained 840 mg/kg for TPH and totaled 110 mg/kg for toluene, ethyl benzene, and xylene.



15-2

SOIL SAMPLING LOCATIONS AT OIL/WATER SEPARATOR & HOLDING TANK ST-210, BUILDING 377

FIGURE 15-1

RCRA FACILITY INVESTIGATION STAGE 2B KIRTLAND AIR FORCE BASE, NEW MEXICO

Mercury was also detected at the RCRA toxicity limit of 0.2 mg/kg. The 1992 samples contained 910 mg/kg TPH. Full results for these samplings are presented in Appendix B of the USGS Stage 2B Work Plan (USGS, 1993a).

15.2.2 Data Gaps

The main objective of this investigation was to determine if contamination is present in the subsurface soil adjacent to OWS ST-210. Another objective was to determine the unit's outflow and potential overflow runoff destinations.

15.2.3 RFI Field Investigation

On March 23-25 and June 8-10 and 15, 1994, 11 boreholes were drilled and sampled using a Geoprobe (Figure 15-1). Borehole ST-210-01 was drilled west-southwest of building 377 in an area away from any known or suspected contamination for the purpose of collecting background concentration data. Eight boreholes were located as close as possible to OWS and holding tank inflow and outflow points, and three boreholes were drilled in the fuel filter drying rack area. A minimum of two sample intervals were collected in each borehole. If field screening indicated possible contamination, additional, deeper samples were collected. OWS sample intervals consisted of one at a depth equal to and the other 5 ft below the base of the unit (i.e., 7 and 12 ft below grade). Holding tank sample intervals were 3 and 10 ft below the holding tank base (i.e., 8 and 15 ft below grade). Fuel filter drying rack samples (boreholes ST-210-09, ST210-10, ST-210-11) were collected at 1 and 5 ft below grade.

On June 8-10, 1994, four additional boreholes (ST-210-05, ST-210-06, ST-210-07, and ST-210-08) were drilled and sampled at ST-210 using the Geoprobe system. These samples were collected for VOC analysis only. The samples were collected for re-analysis following laboratory error in performing VOC analysis on the samples collected in March 1994 at boreholes ST-210-01, ST-210-02, ST-210-03, and ST-210-04. These additional boreholes were located in areas as close as possible to the corresponding original borehole locations (Figure 15-1). With the exception of samples collected at boreholes ST-210-07 and ST-210-08, this set of "resamples," was collected at depth intervals identical to the original sample intervals. In these boreholes, the Geoprobe was used to collect deeper samples in an attempt to define the vertical extent of contamination. Field screening of the deepest sample collected with the Geoprobe (55 -to 57-ft in ST-210-08) indicated contaminant presence. The Geoprobe was unable to collect samples any deeper than the 55- to 57-ft sample interval.

On July 6-7, 1994, a hollow-stem auger drill rig was used to drill and sample deeper than 57-ft, attempting to define the vertical extent of contamination at ST-210. Three boreholes were proposed, but only one borehole, ST-210-12, was actually drilled and sampled. This borehole was located as close as possible to ST-210-03. A maximum depth of 153 ft below grade was attained in the borehole (Table 15-1).

Table 15-1. Boreholes and Samples collected at OWS, Holding Tank, and Fuel Filter Rack ST-210, Building 377

Site	Borehole	Borehole Location	Sample Depths (ft)	PID/FID ppm_v
ST-210	01	Background sampling location	8-10	0/[a]
			15-17	0/[a]
	02	Near OWS outflow	7-9	0/[a]
			12-14	0/[a]
	03	Near holding tank inflow and OWS inflow and outflow	7-9	150/[a]
			12-16[b]	225/[a]
			25-27	320/[a]
	04	Adjacent to holding tank	8-10	0/[a]
			15-17	20/[a]
			20-22	100/[a]
			30-32	70/[a]
	05	Resample for borehole 01	8-10	0/0
			15-17	0/0
	06	Resample for borehole 02	7-9	0/0
			12-14	0/0
	07	Resample for borehole 03 and to define vertical extent	7-9	250/498
			12-14	150/298
			22-24[b]	300/6,495
			32-36[b]	20/45
			42-44	0/0
			52-54	1/2
	08	Resample for borehole 04 and to define vertical extent	8-10	0/0
			15-17	100/248
			25-27	250/2,448
			35-37	300/1,248
			45-49[b]	320/2,998
			55-57	3/9
	09	Characterize fuel filter drying rack	1-3	0/1
			5-7	0/0.5
	10	Characterize fuel filter drying rack	1-3	0/0
			5-7	0/0
	11	Characterize fuel filter drying rack	1-5[b]	0/0
			5-7	0/0

Table 15-1. (continued) Boreholes and Samples collected at OWS, Holding Tank, and Fuel Filter Rack ST-210, Building 377

Site	Borehole	Borehole Location	Sample Depths (ft)	PID/FID ppm_v
ST-210 (cont.)	12[c]	Define vertical extent of contamination for boreholes 03 and 07	57-59	[a]/107
			70-72	[a]/27
			80-82	[a]/4
			90-92	[a]/0
			100-102	[a]/0
			110-112	[a]/1
			120-122	[a]/3
			130-132	[a]/122
			140-142[b]	[a]/27
			150-153	[a]/47

PID and FID readings are values above background.

ppm_v = part-per-million volume (ml/L).

a. = Instrument not used or available that day.

b. = Replicate sample also collected in this depth interval.

c. = Drilled with hollow-stem auger.

Geoprobe and hollow-stem auger sampling operations and sample handling procedures are described in Section 3.0. Borehole locations, sample depths, and replicate samples collected at OWS ST-210 are shown in Table 15-1. Borehole logs are in Appendix C.

15.2.4 Laboratory Analysis

Thirty-eight soil samples, including replicates, but not resamples, were collected at this site. These samples were analyzed for VOCs, SVOCs, TPH, metals, and mercury (the expected contaminants associated with normal operations at this facility), soil pH, and soil moisture. The four brass tubes in each 2-ft sample interval were field screened for possible contamination using gamma and beta-gamma meters, a PID, and/or a FID. Elevated PID and FID readings were measured in samples collected for lithologic description and laboratory analysis in boreholes ST-210-03, ST-210-04, ST-210-07, ST-210-08, ST-210-09, ST-210-11, and ST-210-12. The brass tube with the highest PID/FID reading measured in the sample interval was submitted for VOC analysis. The highest reading measured for each sample interval is listed in Table 15-1.

15.3 Site Characteristics

15.3.1 Geology

The building 377 area is underlain by unconsolidated alluvial sediments. The sediments are predominantly silty sand to very fine-grained sands and fine-grain to medium-grain sand at depths greater than 30 ft. A very dense layer, possibly cobbles or boulders, was encountered at a depth of about 57 ft in borehole ST-210-08. This layer caused refusal with the Geoprobe sampler. Caliche was present in most boreholes as light to heavily-stained zones and patches. One 9-ft, 27-ft, 32-ft, 54-ft, 57-ft, 153-ft and two 7-ft, 14-ft, and 17-ft deep boreholes were drilled at ST-210. Borehole ST-210-12 possibly penetrated the upper region of the Santa Fe Group sediments that presumably underlie this area. A discussion of the general geology at Kirtland AFB is presented in Section 2.4.

As a result of installation, it is probable that backfill material is present adjacent to the OWS and holding tank to a depth equal to their depth. Borehole logs for this area are presented in Appendix C.

15.3.2 Hydrogeology

Groundwater beneath ST-210 is found within the Upper Santa Fe sediments and is generally thought to be unconfined in the upper portion of the aquifer. This area is within the HR1 saturated zone setting as defined by SNL studies (Figure 2-9) (SNL, 1994). Hydrologic characterization in this portion of Kirtland AFB is complicated by the presence of numerous production wells (Figure 2-11). It is unlikely that uniform groundwater conditions exist in this region. Local cones of depression associated with groundwater withdrawal have altered the groundwater flow direction in the vicinity of the well fields (Figure 2-7).

It is probable that the gradient is to the northeast. Three production wells are located near these sites. Well KAFB-14, located 1,700 ft to the east, is believed to be upgradient, well KAFB-12, located 2,800 ft north-northwest, is cross gradient, and well KAFB-13, located 3,500 ft west-northwest is upgradient of the site (Figures 2-7 and 2-11). Depth to groundwater is estimated to be about 350 ft below grade; however, shallower perched water zones may occur (Figure 2-10). Hydraulic conductivity within HR1 is estimated at 2 to 171 ft/day (SNL, 1994). A general discussion of the hydrogeology at Kirtland AFB is presented in Section 2.5.

15.4 Nature and Extent of Contamination

The following section describes the nature and extent of contamination based on soil sampling results. Analytical results for soil samples are presented in Table 15-2, where only the reportable

concentrations of detected analytes are listed. Complete analytical results are presented in Appendix G. Laboratory validation reports are presented in Appendix K.

15.4.1 ST-210 Holding Tank and Oil Water Separator

Organic Compounds

VOC analytes detected in one or more of the soil samples collected at ST-210 include acetone, benzene, chlorobenzene, ethylbenzene, methyl isobutyl ketone, methylene chloride, 1,1,2,2-tetrachloroethane, tetrachloroethylene, trichloroethylene, toluene, and total xylenes. The detections of acetone, methylene chloride, and toluene at the fuel filter rack boreholes (ST-210-09, ST-210-10, ST-210-11) are the result of laboratory contamination as discussed in Section 3.5.1. All detected VOC concentrations were below HHRB action levels (Table 15-2).

SVOC analytes detected in one or more of the soil samples collected at ST-210 include: bis(2-ethylhexyl)phthalate, dibenzofuran, fluorene, 2-methylnaphthalene, naphthalene, phenanthrene, and phenol. All detected SVOC concentrations were below HHRB action levels (Table 15-2).

Petroleum Hydrocarbons

Diesel and gasoline range hydrocarbons were detected in most samples at this site (Table 15-2). Gasoline range hydrocarbon concentrations ranged from non-detect to 260,000 mg/kg. Diesel range hydrocarbon concentrations ranged from non-detect to 3,600 mg/kg. TPH concentrations that exceeded the NMED action level of 100 mg/kg were found in soil samples collected from boreholes ST-210-03 and ST210-04 and their respective "resample" boreholes ST-210-07 and ST-210-08. These concentrations extend to the 45- to 49-ft sample interval in borehole ST-210-08, where diesel range hydrocarbons were detected at 3,600 mg/kg and gasoline range hydrocarbons were detected at 150 mg/kg. Results from the next sample interval (55 to 57 ft) showed a decrease in diesel range hydrocarbons to 12 mg/kg and gasoline range hydrocarbons to non-detect. The dense layer at a depth of 57 ft may act as an impermeable layer in this area.

In borehole ST-210-12, samples were not collected above the 57- to 59-ft depth interval. No diesel or gasoline range hydrocarbons were detected in samples from 59 to 153 ft below grade (bottom depth).

Diesel range hydrocarbons were detected in the samples collected at the fuel filter rack (boreholes ST-210-09, ST-210-10, ST-210-11). These concentrations were all below the NMED action level of 100 mg/kg.

Table 15-2. Summary of Reportable Concentrations for Soil Analyses ... OWS, Holding Tank and Fuel Filter Rack ST-210 Bldg. 377, Kirtland AFB, New Mexico[Ψ,1]

[Concentrations (mg/kg)]

Chemical Class	Analyte	PQL UTL	HHRB Action Level[2]	Borehole Number and Sample Depth Interval (ft)										
				ST-210-01		ST-210-02		ST-210-03				ST-210-04		
				8-10	15-17	7-9	12-14	7-9	12-16	12-16 FR	25-27	8-10	15-17	30-32
VOC	Acetone	0.1	8000	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Benzene	0.005	24.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Chlorobenzene	0.005	2160	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Ethylbenzene	0.005	8000	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Methylene Chloride	0.005	93.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	1,1,2,2-Tetrachloroethane	0.005	35	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Tetrachloroethylene	0.005	800	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Trichloroethylene	0.005	63.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Toluene	0.005	16000	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Total Xylenes	0.005	160000	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SVOC	Bis(2-Ethylhexyl)phthalate	0.7	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.88
	Dibenzofuran	0.7	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.77
	Fluorene	0.7	3360	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.86
	2-Methylnaphthalene	0.7	3200	ND	ND	ND	ND	11	7.3	12	14	ND	1.2	10 J
	Naphthalene	0.7	3200	ND	ND	ND	ND	7.5	5.2	6.9	11	ND	0.65	ND
	Phenanthrene	0.7	N/A	ND	ND	ND	ND	2	0.96	ND	ND	ND	ND	1.6
	Phenol	0.3	48000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TPH	Diesel Fraction	10	100	ND	ND	ND	ND	1100	3300	3100	1600	ND	410	2100
	Gasoline Fraction	1	100	0.33	ND	0.21	0.19	73000	9700	8600	260000	0.59	57	91
METALS	Aluminum	13300	N/A	11800	4210	9350	8520	11200	12700	7780	11600	8080	5710	6610
	Antimony	N/A	32	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	N/A	0.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Barium	496	5600	44.6	29.9	67.2	56.9	87.0	69.0	70.4	121	171	74.5	55.6
	Beryllium	0.83	0.2	0.67	0.2	0.57	0.55	0.56	0.64	0.45	0.73	0.54	0.32	0.48
	Cadmium	N/A	40	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Calcium	119000	N/A	15000	5580	49500	8460	37800	12000	9900	45600	42300	3940	8040
	Chromium, Total	14.9	400	10.8	5.3	8.7	8.2	10.3	11.5	6.6	12.0	6.7	5.1	5.8
	Cobalt	11.3	N/A	8.3	5.2	6.2	7.2	7.3	9.3	6.0	6.1	5.4	4.6	5.1
	Copper	135	N/A	14.6 J	97.7	34.7	19.1	36.5	17.6	33.4	39.1	26.5	8.4	41.3
	Iron	20900	N/A	15100	7990	11600	11500	14100	19800	10700	16900	13100	8570	8590
	Lead	22.9	400	7.8	3.8	5.7	7.4	6.7	9.8	6.6	11.6	5.9	4.0	10.3
	Magnesium	8730	N/A	5310	2660	4780	4190	5050	6040	3860	5400	4340	2630	2230
	Manganese	435	400	295	197	214	283	387	327	206	337	197	97.7	145
	Nickel	54.4	1600	9.2	3.0	7.0	5.4	8.2	10.0	23.8	12.0	7.5	4.5	16.4
	Potassium	2730	N/A	2190	1370	1710	1720	2040	2950	1740	1720	1540	1190	620
	Sodium	519	N/A	411	108	71.2	66.3	352	361	274	334	154	188	267
	Thallium	N/A	7.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vanadium	49.2	720	44.1	16.3	39.4	29.3	44.0	47.9	27.7	29.6	38.1	19.5	16.3
	Zinc	81.6	24000	43.6	64.2	50.2	38.7	49.7	74.4	77.3	60.9	49.0	24.9	71.6
OTHER	Moisture (%)			10.0	1.6	12.7	9.3	10.6	6.8	9.5	17.8	7.7	5.2	5.8
	pH			8.1	8.1	8.0	8.1	8.4	8.4	8.4	8.3	7.8	8.4	7.5

Ψ Complete table footnotes can be found after the last table in this section.

Chemical Class	Analyte	PQL	HHRB Action	Borehole Number and Sample Depth Interval (ft)											
				ST-210-05		*ST-210-06*		*ST-210-07*							
		UTL	Level[2]	8-10	15-17	7-9	12-14	7-9	12-14	22-24	22-24 FR	32-36	32-36 FR	42-44	52-54
VOC	Acetone	0.1	8000	0.0067 J	ND	0.0077 J	ND	ND	ND	8.5 J	ND	ND	ND	ND	0.0049 J
	Benzene	0.005	24.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	0.005	2160	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene	0.005	8000	ND	ND	ND	ND	5.2	6.7	ND	20	ND	ND	ND	ND
	Methylene Chloride	0.005	93.3	0.016	0.0058	0.0058	0.0053	0.22 J	0.24 J	18.0	8.6	0.0038	0.0039	0.0056	0.0048
	1,1,2,2-Tetrachloroethane	0.005	35	ND	ND	ND	0.0061	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethylene	0.005	800	ND	ND	ND	ND	0.27 J	ND	ND	ND	ND	ND	ND	ND
	Trichloroethylene	0.005	63.6	ND	ND	ND	ND	0.12 J	ND	ND	ND	ND	ND	ND	ND
	Toluene	0.005	16000	ND	ND	ND	ND	0.68 J	0.95	25	7.6 J	ND	ND	ND	ND
	Total Xylenes	0.005	160000	ND	ND	ND	ND	25	29	250	91	ND	ND	ND	ND
SVOC	Bis(2-Ethylhexyl)phthalate	0.7	50	—	—	—	—	—	—	—	—	0.037	0.35	0.2 J	0.13 J
	Dibenzofuran	0.7	N/A	—	—	—	—	—	—	—	—	ND	ND	ND	ND
	Fluorene	0.7	3360	—	—	—	—	—	—	—	—	ND	ND	ND	ND
	2-Methylnaphthalene	0.7	3200	—	—	—	—	—	—	—	—	ND	ND	ND	ND
	Naphthalene	0.7	3200	—	—	—	—	—	—	—	—	ND	ND	ND	ND
	Phenanthrene	0.7	N/A	—	—	—	—	—	—	—	—	ND	ND	1.7	0.42
	Phenol	0.3	48000	—	—	—	—	—	—	—	—	0.96	1.5	ND	ND
TPH	Diesel Fraction	10	100	ND	ND	ND	ND	ND	ND	ND	ND	110	60	11	5.5
	Gasoline Fraction	1	100	ND	ND	ND	ND	1300	1500	1800	1900	0.3	ND	ND	ND
METALS	Aluminum	13300	N/A	—	—	—	—	—	—	—	—	1390	2220	3610	1620
	Antimony	N/A	32	—	—	—	—	—	—	—	—	ND	ND	ND	ND
	Arsenic	N/A	0.4	—	—	—	—	—	—	—	—	ND	ND	ND	ND
	Barium	496	5600	—	—	—	—	—	—	—	—	28.5	48.5	51.3	28.7
	Beryllium	0.83	0.2	—	—	—	—	—	—	—	—	0.25	0.37 J	0.59 J	0.27 J
	Cadmium	N/A	40	—	—	—	—	—	—	—	—	ND	ND	ND	ND
	Calcium	119000	N/A	—	—	—	—	—	—	—	—	2440	4040	160000	1090
	Chromium, Total	14.9	400	—	—	—	—	—	—	—	—	1.7	4.9	ND	2.3 J
	Cobalt	11.3	N/A	—	—	—	—	—	—	—	—	2.2	2.6 J	2.5 J	2.6 J
	Copper	135	N/A	—	—	—	—	—	—	—	—	10.2	126	25.2	189
	Iron	20900	N/A	—	—	—	—	—	—	—	—	3660	5800	4770	5030
	Lead	22.9	400	—	—	—	—	—	—	—	—	5.8	6.4	8.5 J	4.2 J
	Magnesium	8730	N/A	—	—	—	—	—	—	—	—	733	928	2700	862
	Manganese	435	400	—	—	—	—	—	—	—	—	94.7	104	541	66.1
	Nickel	54.4	1600	—	—	—	—	—	—	—	—	4.1	25.6	4.5 J	3.9 J
	Potassium	2730	N/A	—	—	—	—	—	—	—	—	281	365	1110	287
	Sodium	519	N/A	—	—	—	—	—	—	—	—	246	306	362	228
	Thallium	N/A	7.2	—	—	—	—	—	—	—	—	13.2	20.4 J	402	ND
	Vanadium	49.2	720	—	—	—	—	—	—	—	—	7.3	12.6	10.6	9.0
	Zinc	81.6	24000	—	—	—	—	—	—	—	—	16.0	94.6	22.9	120
OTHER	Moisture (%)			13.0	10.0	8.8	11.0	11.0	6.7	13.0	6.1	2.2	3.1	18.0	12.0
	pH			—	—	—	—	—	—	—	—	8.1	8.7	9.0	8.5

Ψ Complete table footnotes can be found after the last table in this section.

Chemical Class	Analyte	PQL UTL	HHRB Action Level[2]	Borehole Number and Sample Depth Interval (ft)														
				ST-210-08							ST-210-09		ST-210-10		ST-210-11			
				8-10	15-17	25-27	35-37	45-49	45-49 FR	55-57	1-3	5-7	1-3	5-7	1-5	1-5 FR	5-7	
VOC	Acetone	0.1	8000	ND	0.063	ND	ND	ND	0.82 J	0.02	ND	ND	0.0045 J	ND	ND	ND	ND	
	Benzene	0.005	24.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Chlorobenzene	0.005	2160	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Ethylbenzene	0.005	8000	ND	0.012	6.0	2.2	1.2	9.3	0.0099	ND	ND	ND	ND	ND	ND	ND	
	Methylene Chloride	0.005	93.3	0.0038	0.0038	ND	0.21 J	0.25 J	0.26 J	ND	0.0031 J	0.013	0.0030 J	0.0037	0.0057	0.015	0.003	
	1,1,2,2-Tetrachloroethane	0.005	35	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Tetrachloroethylene	0.005	800	ND	ND	ND	ND	ND	0.25 J	ND	ND	ND	ND	ND	ND	ND	ND	
	Trichloroethylene	0.005	63.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Toluene	0.005	16000	ND	0.0031 J	1.8	0.38 J	0.40 J	2.8	0.0054	ND	0.0012 J	0.0027 J	ND	0.0078	ND	0.0021	
	Total Xylenes	0.005	160000	ND	0.091	12	6.2	2.9	24	0.052	ND	ND	ND	ND	ND	ND	ND	
SVOC	Bis(2-Ethylhexyl)phthalate	0.7	50	—	—	—	ND	ND	ND	0.45	ND	ND	ND	ND	ND	ND	ND	
	Dibenzofuran	0.7	N/A	—	—	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Fluorene	0.7	3360	—	—	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	2-Methylnaphthalene	0.7	3200	—	—	—	4.3	7.1 J	2.3 J	ND	ND	ND	ND	ND	ND	ND	ND	
	Naphthalene	0.7	3200	—	—	—	1.6 J	6.4	3	ND	ND	ND	ND	ND	ND	ND	ND	
	Phenanthrene	0.7	N/A	—	—	—	0.47 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Phenol	0.3	48000	—	—	—	0.41 J	2.0 J	0.90 J	0.72	ND	0.16	ND	0.23	ND	ND	0.21	
TPH	Diesel Fraction	10	100	—	—	—	1600	3600	1300	12	0.75	0.82	0.54	0.75	0.57	0.67	2.1	
	Gasoline Fraction	1	100	ND	78	1600	390	150	3300	ND	ND	ND	ND	ND	ND	ND	ND	
METALS	Aluminum	13300	N/A	—	—	—	1200	7580	5870	5320	5310	9100	5130	8680	4750	4850	9160	
	Antimony	N/A	32	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Arsenic	N/A	0.4	—	—	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Barium	496	5600	—	—	—	25.0	94.1	52.1	1120	131	298	135	829	66.3	66.7	844	
	Beryllium	0.83	0.2	—	—	—	0.3	0.78	0.72	0.81	0.22	0.45	0.22	0.45	0.32	0.21	0.45	
	Cadmium	N/A	40	—	—	—	ND	ND	ND	0.33	ND	0.67	ND	ND	ND	ND	ND	
	Calcium	119000	N/A	—	—	—	2950	2990	2230	2610	31400	85100	39000	100000	21500	24700	84800	
	Chromium, Total	14.9	400	—	—	—	2.1	8.3	6.3	5.8	4.6	6.1	5.1	7.4	4.7	6.0	5.6	
	Cobalt	11.3	N/A	—	—	—	2.0	6.3	6.0	3.8	2.2	4.9	2.5	3.0	2.9	2.6	4.3	
	Copper	135	N/A	—	—	—	245	132	273	113	11.7	33.2	11.5	26.7	7.9	12.4	15.4	
	Iron	20900	N/A	—	—	—	3210	10700	11200	7240	5730	8890	6970	8460	7600	7890	7300	
	Lead	22.9	400	—	—	—	4.9	11.8	9.9	6.3	ND	ND	ND	7.6	ND	ND	5.7	
	Magnesium	8730	N/A	—	—	—	635	4270	3510	1990	2180	4540	2470	4570	2500	2440	4410	
	Manganese	435	400	—	—	—	74.2	179	171	161	86.5	186	90.9	96	111	110	156	
	Nickel	54.4	1600	—	—	—	7.1	10.1	9.9	9.3	ND	6.2	4.2	5.6	ND	4.3	5.2	
	Potassium	2730	N/A	—	—	—	231	1610	1680	1220	786	1330	908	1360	932	842	1110	
	Sodium	519	N/A	—	—	—	141	270	178	404	66.3	109	83.7	178	78.2	76.6	241	
	Thallium	N/A	7.2	—	—	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Vanadium	49.2	720	—	—	—	6.8	26.7	20.2	7.3	12.8	26.8	16.0	25.6	17.7	18.7	28.3	
	Zinc	81.6	24000	—	—	—	104	75.5	120	57.9	20.6	27.5	16.0	34.4	17.3	16.1	37.8	
OTHER	Moisture (%)			2.9	8.9	8.7	2.3	17.0	17.0	1.8	7.0	10.8	7.2	11.6	6.9	6.4	10.8	
	pH			—	—	—	ND	ND	--	9.1	8.5	8.4	8.6	8.5	8.6	8.4	8.3	

[1] Complete table footnotes can be found after the last table in this section.

Chemical Class	Analyte	PQL UTL	HHRB Action Level[2]	Borehole Number and Sample Depth Interval (ft)										
				ST-210-12										
				57-59	70-72	80-82	90-92	100-102	110-112	120-122	130-132	140-142	140-142 FR	150-153
VOC	Acetone	0.1	8000	0.019	0.017	0.010 J	0.005 J	0.016	0.011	0.004 J	0.014	ND	0.005 J	ND
	Benzene	0.005	24.1	ND	0.001	ND	ND	ND	ND	0.001 J	ND	ND	ND	ND
	Chlorobenzene	0.005	2160	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.002 J	ND
	Ethylbenzene	0.005	8000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methylene Chloride	0.005	93.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2,2-Tetrachloroethane	0.005	35	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethylene	0.005	800	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroethylene	0.005	63.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Toluene	0.005	16000	ND	0.001	ND	ND	ND	ND	0.002 J	0.001 J	ND	0.002 J	ND
	Total Xylenes	0.005	160000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SVOC	Bis(2-Ethylhexyl)phthalate	0.7	50	0.063 J	ND	ND	0.12 J	ND	ND	0.042 J	0.074 J	ND	ND	0.55
	Dibenzofuran	0.7	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Fluorene	0.7	3360	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Methylnaphthalene	0.7	3200	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Naphthalene	0.7	3200	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Phenanthrene	0.7	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Phenol	0.3	48000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TPH	Diesel Fraction	10	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Gasoline Fraction	1	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
METALS	Aluminum	13300	N/A	1930	3300	1290	3410	12300	2480	1900	1350	2110	3230	1660
	Antimony	N/A	32	ND	ND	ND	4.4	ND	ND	ND	ND	ND	ND	ND
	Arsenic	N/A	0.4	1.1	0.99	0.65	1.2	2.5	0.69	0.47	0.38	0.58	0.51	0.7
	Barium	496	5600	26.9	49.3	28.1	39.5	79.7	33.0	103	29.6	34.1	21.6	17.7
	Beryllium	0.83	0.2	0.17	0.23	0.11	0.29	1.1	0.18	0.21	0.15	0.21	0.3	0.15
	Cadmium	N/A	40	0.37	0.43	0.49	0.59	0.62	0.52	ND	0.31	0.36	0.44	ND
	Calcium	119000	N/A	1020	1500	904	1930	15700	1440	1720	1020	1620	1440	980
	Chromium, Total	14.9	400	1.3	5.7	0.75	6.3	10.4	2.9	1.2	1.6	2.4	2.9	1.9
	Cobalt	11.3	N/A	2.0	3.7	1.7	4.5	6.4	3.6	1.8	1.6	2.3	2.0	1.6
	Copper	135	N/A	29.3	44.6	18.6	44.6	30.9	21.4	42.9	27.5	51.4	5.3	26.8
	Iron	20900	N/A	3340	5680	2550	9600	15700	5480	2900	2420	4340	3050	3540
	Lead	22.9	400	2.9	3.8	2.4	5.9	11	2.5	2.3	2.2	2.9	2.6	2.1
	Magnesium	8730	N/A	748	1270	617	2280	6090	1190	887	692	1120	1550	795
	Manganese	435	400	60.7	86.9	47.9	139	360	91.3	65.7	46.6	77.8	66.9	51.6
	Nickel	54.4	1600	2.8	7.0	1.5	5.9	10.6	4.7	3.0	2.0	2.2	3.8	2.5
	Potassium	2730	N/A	239	406	211	711	2320	375	520	281	459	438	260
	Sodium	519	N/A	132	212	103	203	417	167	233	98.4	133	199	109
	Thallium	N/A	7.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vanadium	49.2	720	5.5	11.2	4.36	20.5	23.3	11.5	3.7	4.0	7.8	5.3	7.1
	Zinc	81.6	24000	27.7	42.7	23.9	40.7	69.3	24.4	37.0	20.0	30.1	14.9	20.5
OTHER	Moisture (%)			6.2	7.4	4.5	5.0	16.6	5.0	4.4	3.3	2.7	13.3	3.5
	pH			8.7	8.5	8.2	8.3	8.4	8.9	8.4	8.6	8.8	8.2	7.6

Ψ Complete table footnotes can be found after the last table in this section.

1 Complete laboratory analytical results including method detection limits are presented in the ITIR appendices.

2 Action Level Proposed Rule RCRA Subpart S Action Levels (55 FR 30814, 7/27/90).

*; TPH action level is 100 mg/kg adopted from NM UST regulations (USGS 2B Work Plan 3.6, NM EI Board, 1990). SW-8015 analyzes volatile and semivolatile petroleum hydrocarbon fractions separately. The total concentration of the two fractions analyzed under 8015 will be used to assess compliance with stipulated action levels for the purpose of this RFI.

PQL; Practical Quantitation Limits (defines VOC, SVOC and TPH).

pCi/g; Picocuries per gram.

VOC; Volatile Organic Compounds.

TPH; Total Petroleum Hydrocarbons.

RAD; Radionuclides.

ND; Not Detected above the method detection limit.

U; Accept data (positive results may be influenced by lab contamination).

RE; Resample.

NA; Not Analyzed

UTL; Upper Tolerance Limits (defines METALS).

HHRB; Human Health Risk Based.

SVOC; Semivolatile Organic Compounds.

FR; Field Replicate.

UJ; Estimated Nondetect.

J; Estimated value.

R; Reject NDs due to interference.

--; No Data.

Metals

Table 15-2 lists all reportable metal concentrations detected at ST-210. Beryllium (0.11 to 1.1 mg/kg) was detected in all samples. Most beryllium concentrations exceeded the HHRB action level of 0.2 mg/kg. Arsenic (0.38 to 2.5 mg/kg) was detected in all samples from borehole ST-210-12. These samples were analyzed using an inductively coupled plasma instrument that is more sensitive than the graphite furnace atomic absorption method used for all other samples. All arsenic detections exceeded the HHRB action level of 0.4 mg/kg. These beryllium and arsenic detections may be naturally occurring at Kirtland AFB as discussed in Section 4.2.2.

Soil pH and Moisture

Soil pH ranged from 7.6 to 9.1. Soil moisture values ranged from 1.6 to 18.0 percent (Table 15-2).

15.5 Conclusions and Recommendations

Conclusions

- A total of 10 VOCs were detected in samples at ST-210. VOC concentrations did not exceed HHRB action levels. Several SVOC detections correspond to samples with high TPH concentrations. Concentrations of SVOC analytes detected at ST-210 did not exceed HHRB action levels.

- Several samples contained concentrations of diesel range and gasoline range hydrocarbons exceeding the NMED action level of 100 mg/kg. It is evident that either the OWS or the holding tank or both units have released fuel hydrocarbons to the subsurface. On the basis of soil analytical data collected during this investigation, TPH concentrations persist to a depth of about 57 ft, with the highest concentrations found in boreholes ST-210-03 from 7- to 16-ft, and in borehole ST-210-08 from 35- to 49-ft. It is possible that the dense lithologic unit encountered at 57 ft may form an impermeable layer and block downward fluid migration in this area.

- Arsenic and beryllium concentrations exceeded HHRB action levels in one or more samples at ST-210. These concentrations of arsenic and beryllium appear to be naturally occurring at Kirtland AFB.

- Up to three VOCs along with diesel range hydrocarbons were detected in samples collected from the fuel filter rack area. All concentrations were below HHRB action levels.

- Soil sampling detected VOC, SVOC, and TPH concentrations above HHRB action levels in the subsurface between, and adjacent to the OWS and holding tank. These contaminants extend to a depth of approximately 57 ft below grade and indicate releases have occurred from these units.

Recommendations

- It is recommended that both the OWS and holding tank, and associated piping, be removed or replaced as soon as possible to avoid continued releases to the subsurface.

- A CMS should be performed to evaluate potential strategies for source removal. Additional soil sampling should be performed to define the vertical and horizontal extent of contamination below the site. Activities should also include the preparation of a baseline human health risk assessment using all site-specific data.

- The use of the current fuel filter drying rack should be discontinued and an alternative method of filter drying should be implemented.

16.0 Site ST-211, Oil/Water Separator, and ST-213, Area Drain

16.1 Site Background and Environmental Setting

OWS ST-211 and area drain ST-213 are located in the western portion of Kirtland AFB outdoors near the southeast corner of building 381 (Figure 16-1). Building 381 is the Kirtland Aerospace Ground Equipment (AGE) shop, used for the maintenance of flight line support equipment. ST-211 and ST-213 were investigated on May 2-3, 1994.

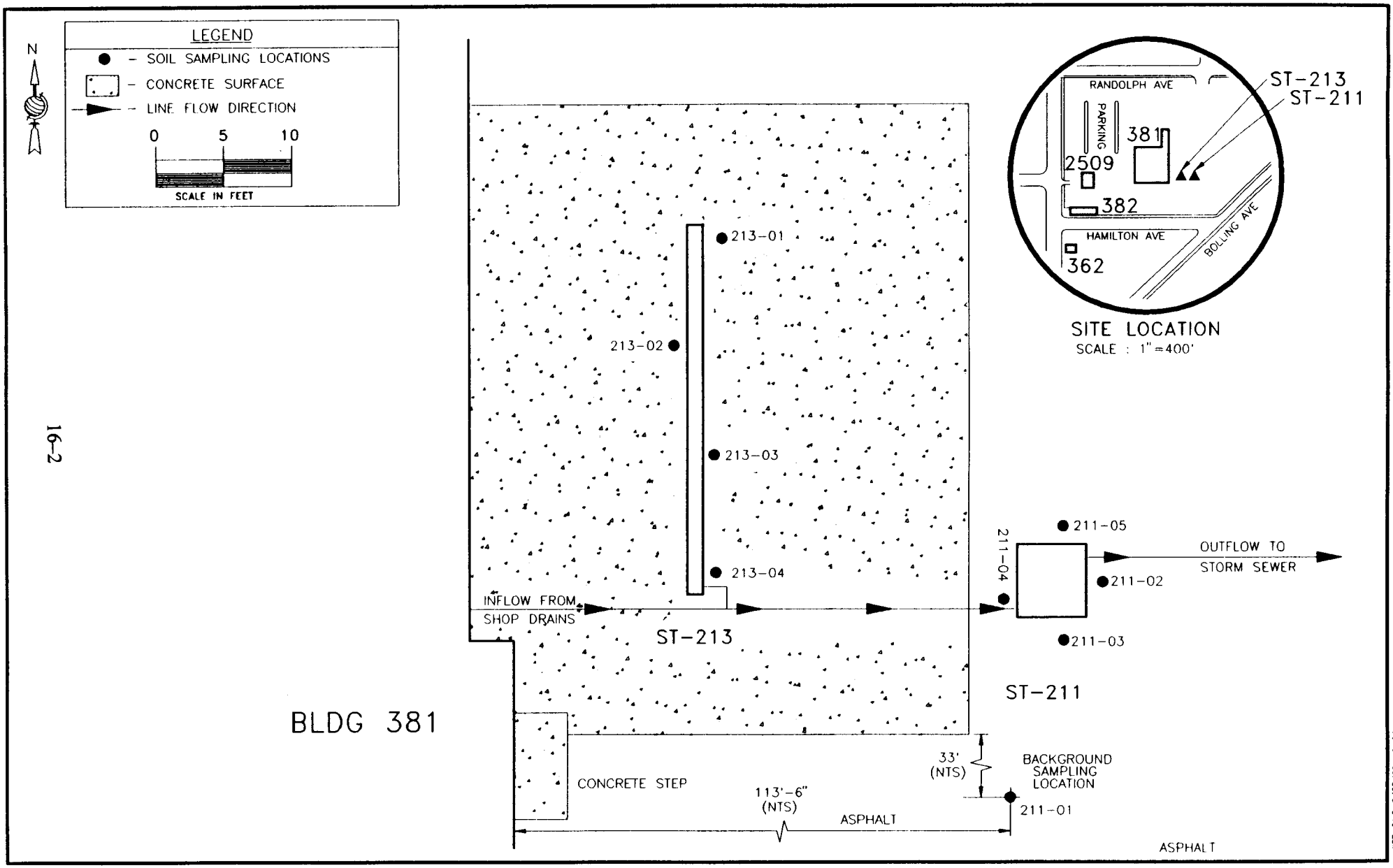
Records indicate that OWS ST-211 overflowed during July 1991 (USGS, 1993). During the field investigation on May 3, 1994, it was noted that the unit had overflowed again. OWS ST-211 is a concrete unit measuring 5.5 ft long, 5 ft wide, and approximately 7 ft deep. The unit is divided into two compartments by a concrete baffle. The northern compartment is covered with a solid metal plate and the southern is covered with a metal grate and is equipped with a metal sediment basket and hoisting chains (USGS, 1993a). ST-211 discharges eastward to a storm sewer lateral and receives inflow from surface runoff, shop drains, and area drain ST-213 (Figure 16-1). ST-213, a concrete unit with a metal grate cover, measures 26 ft long, 1 ft wide, and 1 ft deep. It receives inflow from the wash rack area and discharges to ST-211. If prolonged rains were to occur and the units overflowed, runoff would drain to the southeast over an asphalt parking lot, possibly reaching the storm sewer drains located in the parking lot.

In accordance with Kirtland AFB's RCRA Part B Permit (as an interim measure), OWS ST-211 is scheduled for removal in late 1994 and will be replaced with a new unit. This unit, which will be a double-walled steel tank with a fiberglass coating, will be equipped with an interstitial monitoring system. A 6-in. sanitary sewer line will be installed to connect the new OWS to the existing sanitary sewer. The new unit will be installed below ground about 20 to 30 ft east of OWS ST-211. Area drain ST-213, which currently empties into OWS ST-211, will be re-directed to empty into an existing 6-in. storm sewer line and not the new OWS.

Building 381 is in the urban/industrial environmental zone. This environmental setting is discussed in Section 2.0. Two production wells are located near these sites: well KAFB-14 is 2,100 ft east, and well KAFB-12 is 2,800 ft north (Figure 2-11).

16.2 Study Area Investigation

Possible source materials were not investigated in this study. Previous investigations sampled source materials as described below.



SOIL SAMPLING LOCATIONS AT OIL/WATER SEPARATOR ST-211, AND AREA DRAIN ST-213, BUILDING 381

FIGURE 16-1

RCRA FACILITY INVESTIGATION STAGE 2B KIRTLAND AIR FORCE BASE, NEW MEXICO

16.2.1 Previous Investigations

In 1990, 1991, and 1992, a Kirtland AFB environmental contractor sampled materials present in these units. Table 16-1 shows analytes with reportable concentrations. In 1992, lead was above the RCRA toxicity limit of 5 mg/kg set for the TCLP analysis for ST-211 and ST-213. Full results for these samplings are presented in Appendix B of the USGS Stage 2B Work Plan (USGS, 1993a).

Table 16-1. Reportable Analytes in OWS ST-211 and Area Drain ST-213

Site Name	TPH (mg/kg)		TOX (mg/kg)		Lead (mg/kg)
	1990	1991	1991	1992	1992
ST-211	18,010	851	ND	180	11.5
ST-213	ND	ND	155.6	ND	55

ND = Not Detected.

16.2.2 Data Gaps

The main objective of this investigation was to determine if contamination is present in the subsurface soil adjacent to these sites. A secondary objective was to determine the OWS outflow and potential surface runoff destinations.

16.2.3 RFI Field Investigation

On May 2-3, 1994, nine boreholes were drilled and sampled using a Geoprobe system. Sample splits were given to a subcontractor (PRC Environmental Management, Inc.) representing the USEPA for separate analysis. One borehole was located southeast of ST-211 and ST-213 in an area away from any known or suspected contamination to collect background concentration data for these sites. Sampling operations and sample handling procedures are described in Section 3.0. Two boreholes were located as close as possible to the inflow and outflow piping, and two were drilled on the north and south side of the OWS to characterize the soil adjacent to the units (Figure 16-1). Two sample intervals were collected in each borehole; one at a depth equal to, and the other 5 ft below the OWS' base (i.e., 7 and 12 ft). Four boreholes were drilled at area drain ST-213; one borehole was located near the outflow to ST-211. The other three boreholes were located along the length of the drain. Borehole ST-213-03 was located near cracks in the concrete where fluids could have reached the subsurface. The area drain sample intervals were at depths 3 and 10 ft below the unit's base (i.e., 4 and 11 ft). PID detections above background were noted in the 4- to 8-ft sample from boring ST-213-01; both sample intervals from ST-213-03 showed elevated readings with the PID and FID (Table 16-2). Because of the sample volume required for splitting with the USEPA subcontractor, the replicate and matrix spike/matrix spike duplicate samples for borehole ST-211-04 were collected in a separate borehole about 1 ft southeast of the original borehole.

Sampling operations and sample handling procedures are described in Section 3.0. Borehole locations, sample depths, and replicate samples collected for the sites at building 381 are listed in Table 16-2. Borehole logs are in Appendix C.

16.2.4 Laboratory Analysis

Twenty soil samples, including replicates, were collected for these sites. These samples were analyzed for VOCs, SVOCs, TPH, metals, mercury (the expected contaminants associated with normal operations at this building), soil pH, and soil moisture. The four brass tubes in each 2-ft sample interval were field screened for possible contamination using gamma and beta-gamma meters, a PID, and an FID. Elevated PID and FID readings were measured in samples collected for laboratory analysis at ST-213-01 and ST-213-03. The brass tube with the highest PID/FID reading measured in the sample interval was submitted for VOC analysis. The highest PID and FID readings measured for the sample interval are listed in Table 16-2.

Table 16-2. Boreholes and Samples Collected at OWS ST-211 and Area Drain ST-213, Building 381

Site	Borehole	Borehole Location	Sample Depths (ft)	PID/FID (ppm_v)[a, b]
ST-211	01	Background sampling borehole	7-11	0/0
			12-16	0/0
	02	Near OWS outflow	7-11	0/0
			12-16	0/0
	03	Adjacent to OWS	8-13	0/0
			13-20[c]	0/0
	04	Near OWS inflow	7-11[d]	0/0
			12-16	0/0
	05	Adjacent to OWS	7-12	0/0
			12-17	0/0
ST-213	01	Adjacent to area drain	4-8	0.5/0
			11-15	0/0
	02	Adjacent to area drain	4-8	0/0
			11-15	0/0
	03	Adjacent to area drain	4-8	2/14
			11-15	2.5/4
	04	Near area drain outflow	4-8	0/0
			11-15	0/0

a. ppm_v = parts-per-million volume (mL) as isobutylene for the PID and as methane for the FID.
b. PID/FID readings are values above background values.
c. Replicate sample also collected in this depth interval.
d. Replicate and MS/MSD samples collected in a borehole one ft SE of boring ST-211-04.

16.3 Site Characteristics

16.3.1 Geology

The building 381 area is underlain by unconsolidated alluvial sediments. The sediments are predominantly fine-grained sands and very fine-grained to fine-grained silty sands. Caliche was present in some boreholes as light- to heavily-stained zones and patches, and some intervals contained abundant weathered biotite. Four 15-ft-deep boreholes were drilled at ST-213. Three 16-ft boreholes, one 20-ft borehole and one 17-ft borehole were drilled at ST-211. No boreholes penetrated into the Santa Fe Group sediments that presumably underlie this area. A discussion of the general geology at Kirtland AFB is presented in Section 2.4.

As a result of OWS or area drain installation, it is probable that backfill material is present adjacent to these units to a depth equal to the unit's depth. Borehole logs for this area are presented in Appendix C.

16.3.2 Hydrogeology

Groundwater beneath ST-211 and ST-213 is found within the Upper Santa Fe sediments and is generally thought to be unconfined in the upper portion of the aquifer. This area is within the HR1 saturated zone setting as defined by SNL studies (Figure 2-9) (SNL, 1994). Hydrologic characterization in this portion of Kirtland AFB is complicated by the presence of numerous production wells (Figure 2-11). It is probable that uniform groundwater conditions do not exist in this region. Local cones of depression associated with groundwater withdrawal have altered the groundwater flow direction in the vicinity of the well fields (Figure 2-7).

It is probable that the gradient is to the northeast. Two production wells are located near the OWS and area drain. Well KAFB-14 is downgradient 2,100 ft east of building 381, and well KAFB-12 is probably cross gradient 2,800 ft north of building 381 (Figures 2-7 and 2-11). Depth to groundwater is estimated to be approximately 350 ft below grade (Figure 2-10); however, shallower perched water zones may occur. Hydraulic conductivity within HR1 is estimated at 2 to 171 ft/day (SNL, 1994). A general discussion of the hydrogeology at Kirtland AFB is presented in Section 2.5.

16.4 Nature and Extent of Contamination

The following subsections describe the nature and extent of contamination based on soil sampling results. Analytical results for soil samples at these sites are summarized in Tables 16-3 and 16-4, where only the reportable concentrations are listed. Full analytical results are presented in Appendix G and laboratory validation reports are presented in Appendix K.

16.4.1 ST-211 Analytical Results

Organic Compounds

The following VOC analytes were detected in one or more of the soil samples collected at ST-211: acetone, methyl ethyl ketone, tetrachloroethylene, methylene chloride, and toluene. With the exception of tetrachloroethylene and toluene, these compounds were detected in associated QC samples and are believed to be the result of laboratory contamination as discussed in Section 3.5.1. None of these compounds was detected at levels exceeding HHRB action levels (Table 16-3). The following SVOC analytes were detected in one or more of the soil samples collected at ST-211: di-n-butylphthalate and phenol. Phenol (0.18 mg/kg) was only detected in the 13- to 20-ft sample from borehole ST-211-03 (Table 16-3). Di-n-butylphthalate was detected in most samples at concentrations ranging from 0.3 to 0.49 mg/kg. Neither of these compounds was detected at levels exceeding HHRB action levels.

Petroleum Hydrocarbons

Diesel range hydrocarbons were detected in most of the ST-211 soil samples at concentrations ranging from 0.62 to 71.0 mg/kg. Diesel concentrations appeared to increase with depth in borehole ST-211-02 located near the OWS outflow piping. This may indicate a release from this unit. Gasoline range hydrocarbons were detected in some of the samples with concentrations ranging from 0.14 to 1.7 mg/kg. The concentrations did not exceed the NMED action level of 100 mg/kg (Table 16-3).

Metals

The 7- to 11-ft soil sample at ST-211-01 (background borehole) contained antimony (40.3 mg/kg) above the HHRB action level of 32 mg/kg, and the 12- to 16-ft sample contained nickel (76.2 mg/kg) above the UTL concentration of 54.4 mg/kg. The 12- to 16-ft soil sample at ST-211-02 contained nickel (91.4 mg/kg) above the UTL concentration. The 13- to 20-ft soil sample at ST-211-03 contained nickel (61.3 mg/kg) above the UTL concentration. The 12- to 17-ft soil sample at ST-211-05 contained chromium (15.2 mg/kg) above the UTL concentration of 14.9 mg/kg. All metals except antimony were below the HHRB action levels (Table 16-3). The antimony detection may be naturally occurring as discussed in Section 4.2.2.

Beryllium was detected in all soil samples above the HHRB action level of 0.2 mg/kg but below the UTL of 0.83 mg/kg. Beryllium ranged from 0.32 to 0.68 mg/kg (Table 16-3). These beryllium concentrations may be naturally occurring at Kirtland AFB as discussed in Section 4.2.2.

Table 16-3. **Summary of Reportable Concentrations for Soil Analyses at OWS ST-211 Bldg. 381, Kirtland AFB, New Mexico[Ψ,1]**
[Concentrations (mg/kg)]

Chemical Class	Analyte	PQL UTL	HHRB Action Level[2]	Borehole Number and Sample Depth Interval (ft)											
				ST-211-01		*ST-211-02*		*ST-211-03*			*ST-211-04*			*ST-211-05*	
				7-11	12-16	7-11	12-16	8-13	13-20	13-20 FR	7-11	12-16	7-11 FR	7-12	12-17
VOC	Acetone	0.1	8000	0.0042 J	0.0038 J	0.0085 J	0.0049 J	0.005 J	ND	0.0025 J	0.023	0.0041 J	0.020 U	ND	ND
	Methyl Ethyl Ketone	0.1	48000	ND	ND	ND	ND	0.0026 J	ND	ND	0.0058 J	ND	ND	ND	ND
	Methylene Chloride	0.005	93.3	0.0015 J	0.0014 J	0.002 J	0.0016 J	0.0014 J	ND	ND	0.0019 J	ND	0.0033 U	ND	0.01
	Tetrachloroethylene	0.005	800	ND	ND	ND	ND	ND	ND	ND	ND	0.0043	ND	0.0045	ND
	Toluene	0.005	16000	ND	ND	0.0051	ND	ND	0.0021 J	ND	ND	ND	ND	ND	0.0029
SVOC	di-n-Butylphthalate	0.7	8000	0.50	0.49	0.30	ND	0.40	ND	ND	ND	ND	ND	0.30	0.350 J
	Phenol	0.3	48000	ND	ND	ND	ND	ND	0.18	ND	ND	ND	ND	ND	ND
TPH	Diesel Fraction	10	100	ND	0.72	1.2	71	0.62	ND	1.1	1	1.2	0.82	3.7	12
	Gasoline Fraction	1	100	ND	ND	ND	0.2	ND	ND	ND	0.14	1.7	0.17	ND	ND
METALS	Aluminum	13300	N/A	6930	7430	9510	8090	10600	5270	9290	10900	7710	10300 J	6810	9590
	Antimony	N/A	32	40.3	ND	ND	ND	ND	ND	ND	ND	ND	ND UJ	ND	ND
	Barium	496	5600	252	129	59.1	669	44.5	55.7	73.6	56.4	36.0	950 J	188.0	179.0
	Beryllium	0.83	0.2	0.45	0.43	0.66	0.45	0.55	0.32	0.57	0.68	0.54	0.67	0.33	0.54
	Cadmium	N/A	40	1.0	0.54	0.66	0.9	1.1	0.63	ND	0.56	0.64	0.56	ND	0.54
	Calcium	119000	N/A	79900	11000	18700	21500	11100	12700	28500	4150	1670	38900 J	62800	8500
	Chromium, Total	14.9	400	7.3	13.6	9.9	9.8	9.8	8.1	10.5	9.5	9.4	10.4	10.2	15.2
	Cobalt	11.3	N/A	6.7	6.9	6.2	7.1	8.3	4.5	6.7	7.3	7.2	7.7 J	4.9	6.6
	Copper	135	N/A	16.5	79.6	45.1	14.7	43.0	35.2	32.6	16.6	15.6	33 J	63.8	22.6
	Iron	20900	N/A	10800	11600	13900	12200	16000	8270	13600	15800	12900	13900	7950	14400
	Lead	22.9	400	8.2	5.7	16.8	13.3	7.4	7.3	6.9	9.9	8.0	8.4 J	21.9	7.2
	Magnesium	8730	N/A	4460	3840	4720	4020	5240	2590	4750	5570	4080	5340	3380	4450
	Manganese	435	400	269	240	257	226	289	176	372	350	251	369	160	244
	Nickel	54.4	1600	7.3	76.2	43.1	91.4	10.1	63.1	12.0	11.1	7.6	11.0	7.7	23.3
	Potassium	2730	N/A	1400	1500	1900	1760	2190	1080	1740	1940	1540	1800 J	1280	1910
	Sodium	519	N/A	166	216	204	162	271	206	359	179	222	189 J	159	179
	Vanadium	49.2	720	35.1	28.2	34.9	28.3	38.5	19.8	32.5	41.6	30.5	43.3	20.2	33.7
	Zinc	81.6	24000	30.0	56.9	48.4	38.9	52.0	33.8	43.3	42.6	34.1	44.7 J	52.6	39.7
OTHER	Moisture (%)			10.9	7.4	8.5	10.8	8.5	5.4	12.5	11.2	6.7	10.8	10.1	7.2
	pH			8.8	9.0	8.6	8.6	8.7	10.6	8.8	8.4	8.5	8.5	8.6	8.6

Ψ Complete table footnotes can be found after the last table in this section.

Table16-4 **Summary of Reportable Concentrations for Soil analyses at Area Drain ST-213 Bldg. 381, Kirtland AFB, New Mexico[Ψ,1]**
[Concentrations (mg/kg)]

Chemical Class	Analyte	PQL UTL	HHRB Action Level[2]	Borehole Number and Sample Depth Interval (ft)							
				ST-213-01		*ST-213-02*		*ST-213-03*		*ST-213-04*	
				4-8	11-15	4-8	11-15	4-8	11-15	4-8	11-15
VOC	Acetone	0.1	8000	ND	ND	0.014	ND	ND	ND UJ	ND	ND
	Methyl Ethyl Ketone	0.1	48000	ND	ND	ND	ND	0.0018 J	ND UJ	ND	ND
	Methylene Chloride	0.005	93.3	0.006	ND	0.0043	ND	ND	0.0059 J	0.0055	0.0051
SVOC	di-n-Butylphthalate	0.7	8000	0.23	0.33	0.36	0.30	ND	0.32	0.32	ND
	Phenol	0.3	48000	ND	ND	ND	0.15	ND	ND	0.25	ND
TPH	Diesel Fraction	10	100	3.9	3.6	1.8	1.7	1.0	1.8	1.3	1.1
METALS	Aluminum	13300	N/A	7890	10600	5630	4420	4470	7110	4410	7650
	Barium	496	5600	171	49.4	174	95.7	96.7	172	134	545
	Beryllium	0.83	0.2	0.37	0.69	0.33	0.21	0.21	0.43	0.23	0.44
	Calcium	119000	N/A	112000	11200	62800	31900	28700	10200	132000	18700
	Chromium, Total	14.9	400	7.4	11.9	5.7	5.1	5.5	8.9	4.0	6.4
	Cobalt	11.3	N/A	5.1	7.5	3.5	2.8	2.8	7.1	2.6	5.8
	Copper	135	N/A	19.8	10.7	6.6	43.9	44.3	20.9	21.1	25.6
	Iron	20900	N/A	8650	13800	6590	5810	5870	12500	5070	13600
	Lead	22.9	400	7.1	7.8	5.3	3.9	4.0	6.0	ND	5.9
	Magnesium	8730	N/A	5070	5230	2640	2210	2220	4210	2930	4740
	Manganese	435	400	112	325	81.3	90.4	91.5	271	59.7	344
	Mercury	N/A	N/A	ND	ND	ND	ND	ND	ND	ND	ND
	Nickel	54.4	1600	7.4	9.7	5.6	4.3	ND	7.9	4.5	13.5
	Potassium	2730	N/A	1360	1880	1040	860	863	1770	690	1930
	Sodium	519	N/A	136	476	78.3	98.5	99.6	87.3	104	263
	Vanadium	49.2	720	23.9	34.6	15.3	15.1	15.0	27.7	14.9	32.2
	Zinc	81.6	24000	27.6	37.3	16.4	34.6	34.5	39.2	18.9	44.9
OTHER	Moisture (%)			18.0	13.3	10.2	5.9	6.8	6.6	13.2	9.6
	pH			8.6	8.8	8.5	8.9	8.5	8.6	8.5	8.9

Ψ Complete table footnotes can be found after the last table in this section.

1 Complete laboratory analytical results including method detection limits are presented in the ITIR appendices.

2 Action Level Proposed Rule RCRA Subpart S Action Levels (55 FR 30814, 7/27/90).

*; TPH action level is 100 mg/kg adopted from NM UST regulations (USGS 2B Work Plan 3.6, NM EI Board, 1990). SW-8015 analyzes volatile and semivolatile petroleum hydrocarbon fractions separately. The total concentration of the two fractions analyzed under 8015 will be used to assess compliance with stipulated action levels for the purpose of this RFI.

PQL; Practical Quantitation Limits (defines VOC, SVOC and TPH).

pCi/g; Picocuries per gram.

VOC; Volatile Organic Compounds.

TPH; Total Petroleum Hydrocarbons.

RAD; Radionuclides.

ND; Not Detected above the method detection limit.

U; Accept data (positive results may be influenced by lab contamination).

RE; Resample.

NA; Not Analyzed

UTL; Upper Tolerance Limits (defines METALS)

HHRB; Human Health Risk Based.

SVOC; Semivolatile Organic Compounds.

FR; Field Replicate.

UJ; Estimated Nondetect.

J; Estimated value.

R; Reject NDs due to interference.

--; No Data.

Soil pH and Moisture

Soil pH ranged from 8.4 to 10.6. Soil moisture values ranged from 5.4 to 12.5 percent (Table 16-3).

16.4.2 ST-213 Analytical Results

Organic Compounds

The following VOC analytes were detected in one or more of the soil samples collected at ST-213: acetone, methyl ethyl ketone, and methylene chloride. These compounds were detected in associated QC samples and are believed to be the result of laboratory contamination as discussed in Section 3.5.1. None of these compounds was detected at levels exceeding the HHRB action levels (Table 16-4).

The following SVOC analytes were detected in one or more of the soil samples collected at ST-213: di-n-butylphthalate and phenol. Phenol (0.15 mg/kg) was detected in the 11- to 15-ft sample from borehole ST-213-02 and the 4- to 8-ft sample (0.25 mg/kg) at ST-213-04. Di-n-butylphthalate was detected in six of eight samples at concentrations ranging from 0.23 to 0.36 mg/kg (Table 16-4). Neither of these compounds was detected at levels exceeding the HHRB action levels (Table 16-4).

Petroleum Hydrocarbons

Diesel range hydrocarbons were detected in all ST-213 soil samples at concentrations ranging from 1.0 to 3.9 mg/kg. The detections in borehole ST-213-01 (3.6 to 3.9 mg/kg) indicate the presence of diesel range hydrocarbons in the soil. However, hazardous constituents were not detected above laboratory method detection limits (i.e., ND). These concentrations did not exceed the NMED action level of 100 mg/kg (Table 16-4).

Metals

The 11- to 15-ft soil sample at ST-213-04 contained barium (545 mg/kg) above the UTL concentration of 496.4 mg/kg, but below the HHRB action level of 5,600 mg/kg. Beryllium was detected in all samples above the HHRB action level of 0.2 mg/kg but below the UTL of 0.83 mg/kg. Beryllium ranged from 0.21 to 0.69 mg/kg (Table 16-4). These beryllium concentrations may be naturally occurring at Kirtland AFB as discussed in Section 4.2.2.

Soil pH and Moisture

Soil pH ranged from 8.5 to 8.9. Soil moisture values ranged from 5.9 to 13.3 percent (Table 16-4).

16.5 Conclusions and Recommendations

Conclusions

- Five VOCs (in total) were detected in the soil samples from ST-211 and ST-213. All concentrations were below HHRB action levels. Up to two SVOCs (phenol and di-n-butylphthalate) were also detected at concentrations below HHRB action levels.
- Diesel range hydrocarbons were detected in most samples, and gasoline range hydrocarbons in only a few samples from ST-211. No detections exceeded the NMED action level.
- Beryllium was present in all samples from ST-211 and ST-213 above the HHRB action level of 0.2 mg/kg, but below the UTL of 0.83 mg/kg. These concentrations of beryllium appear to be naturally occurring throughout Kirtland AFB.
- Antimony was detected above the HHRB action level in the background borehole ST-211-01. This concentration appears to be naturally occurring at Kirtland AFB.
- Analytical results are not indicative of a release from ST-213.
- Diesel range hydrocarbons are present in soil adjacent to the outflow piping from ST-211. The concentrations increase with depth and may indicate a release from this unit.

Recommendations

- Based on the results of the RFI, no further action is necessary at ST-213 and this unit does not require further investigation. A No Further Action proposal should be prepared.
- Additional soil sampling should be performed at ST-211 in the vicinity of borehole ST-211-02 to determine if petroleum hydrocarbons are present above the NMED action level, and to define the vertical and lateral extent of contamination.

17.0 Site ST-212, Oil/Water Separator

17.1 Site Background and Environmental Setting

OWS ST-212, which is in the western portion of Kirtland AFB, is outside near the south side of building 381 (Figure 17-1). Building 381 is the Kirtland Aerospace Ground Equipment (AGE) shop, used for the maintenance of flight line support equipment. ST-212, a concrete unit with a solid metal cover measures 8 ft long by 4 ft wide (outside dimensions) and 8 ft deep. The unit consists of two compartments: one measures 3 by 5.5 ft, and the other is 3 by 1.5 ft (inside dimensions). OWS ST-212 receives inflow from drains inside building 381 and discharges south to a storm sewer system. ST-212 was investigated on May 13, 1994. The probability that the OWS would overflow onto the surrounding area is low. If overflow were to occur, drainage would travel southward over an asphalt parking lot and then possibly to the storm sewer along Hamilton Avenue.

Building 381 is located in the urban/industrial environmental zone. This environmental setting is discussed in Section 2.0. Two production wells are located near this site: KAFB-14 is located 2,100 ft east, and KAFB-12 is 2,800 ft north (Figure 2-11).

17.2 Study Area Investigation

Possible source materials were not investigated in this study.

17.2.1 Previous Investigations

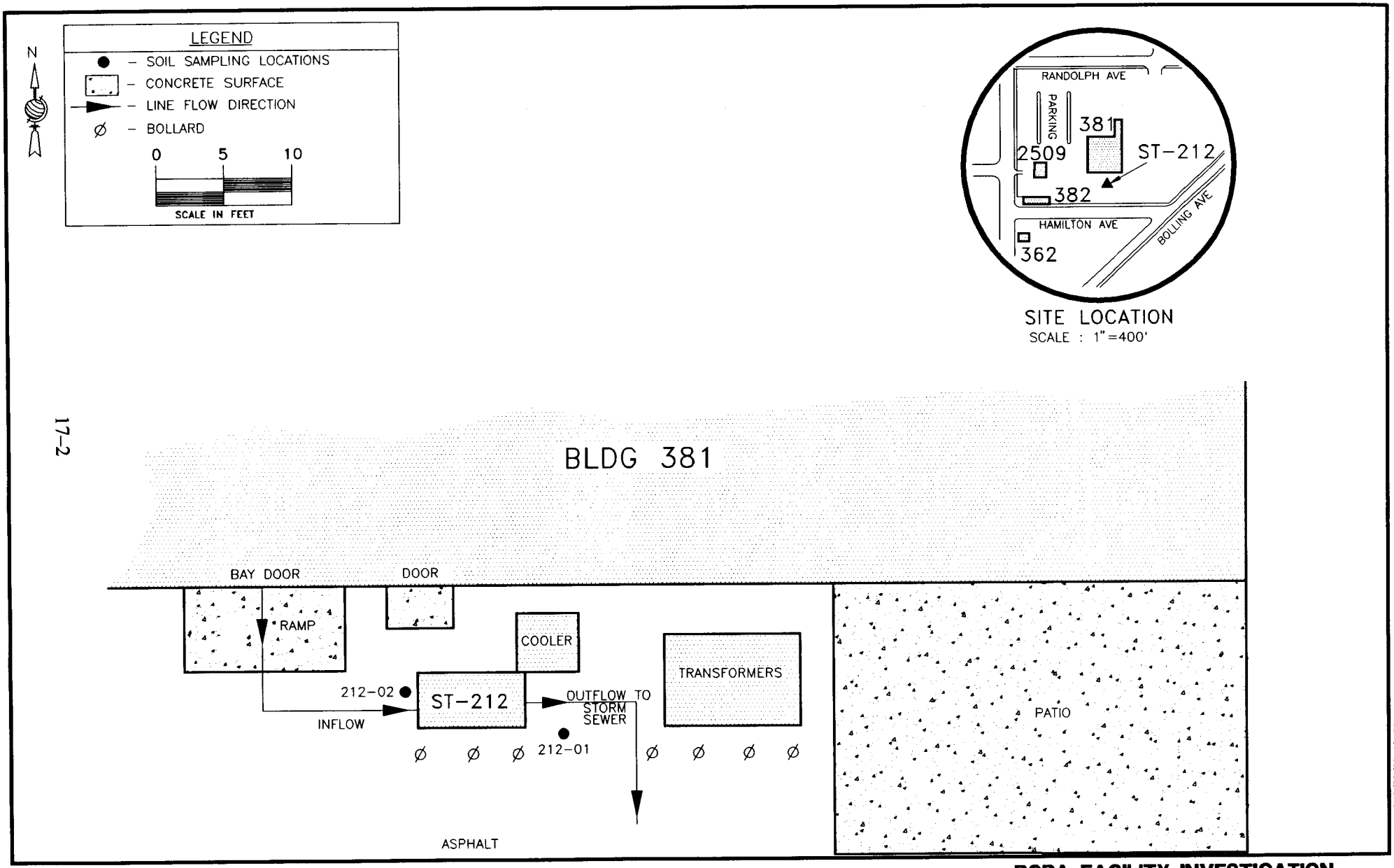
No previous investigations have been performed at this site.

17.2.2 Data Gaps

The main objective of this investigation was to determine if contamination is present in the subsurface soil adjacent to OWS ST-212. A secondary objective was to determine the OWS outflow and potential surface runoff destinations.

17.2.3 RFI Field Investigation

On May 13, 1994, two boreholes were drilled and sampled using a Geoprobe system. One borehole, associated with ST-211, was drilled southeast of building 381 to collect background concentration data (Figure 16-1). This location was assumed to be in an area away from any known or suspected contamination. The other boreholes were drilled as close as possible to the OWS inflow and outflow piping (Figure 17-1). On the first attempt at drilling borehole ST-212-02, uncharacteristic resistance was encountered at a depth of 2 ft, so a second attempt was made closer to the unit. Two sample



SOIL SAMPLING LOCATIONS AT OIL/WATER SEPARATOR ST-212, BUILDING 381

FIGURE 17-1

RCRA FACILITY INVESTIGATION STAGE 2B KIRTLAND AIR FORCE BASE, NEW MEXICO

intervals were collected in each borehole: one at a depth equal to, and the other 5 ft below the unit's base (i.e., 8 and 13 ft).

Sampling operations and sample handling procedures are described in Section 3.0. Borehole locations, sample depths, and replicate samples collected at OWS ST-212 are shown in Table 17-1. Borehole logs are in Appendix C.

Table 17-1. Boreholes and Samples Collected at OWS ST-212, Building 381

Site	Borehole	Borehole Location	Sample Depths (ft)
ST-212	01	Near OWS outflow	8-10
			13-16
	02	Near OWS inflow	8-12
			13-15[a]

a. Replicate sample also collected in this depth interval.

17.2.4 Laboratory Analysis

Five soil samples, including replicates, were collected at this site. These samples were analyzed for VOCs, SVOCs, TPH, metals, mercury (the expected contaminants associated with normal operations at this building), soil pH, and soil moisture. The four brass tubes in each 2-ft sample interval were field screened for possible contamination using gamma and beta-gamma meters, and a PID. No readings above background values were measured with these instruments.

17.3 Site Characteristics

17.3.1 Geology

The building 381 area is underlain by unconsolidated alluvial sediments. The sediments are predominantly fine-grained sands and very fine-grained to fine-grained silty sands. Caliche was present in both boreholes as light to heavily-stained zones and patches. Two boreholes were drilled at ST-212, one 15 ft and the other 16 ft deep. No borehole penetrated into the Santa Fe Group sediments that presumably underlie this area. A discussion of the general geology at Kirtland AFB is presented in Section 2.4.

As a result of OWS installation, it is probable that backfill material is present adjacent to the separator to a depth equal to the unit's depth. Borehole logs for this area are presented in Appendix C.

17.3.2 Hydrogeology

Groundwater beneath ST-212 is found within the Upper Santa Fe sediments and is generally thought to be unconfined in the upper portion of the aquifer. This area is within the HR1 saturated zone setting as defined by SNL studies (Figure 2-9) (SNL, 1994). Hydrologic characterization in this portion of Kirtland AFB is complicated by the presence of numerous production wells (Figure 2-11). It is probable that uniform groundwater conditions do not exist in this region. Local cones of depression associated with groundwater withdrawal have altered the groundwater flow direction in the vicinity of the well fields (Figure 2-7).

It is probable that the gradient is to the northeast. Two production wells are located near ST-212: well KAFB-14 is downgradient 2,100 ft east, and well KAFB-12 is probably cross gradient 2,800 ft north of building 381 (Figures 2-7 and 2-11). Depth to groundwater is estimated to be about 350 ft below grade (Figure 2-10); however, shallower perched water zones may occur. Hydraulic conductivity within HR1 is estimated at 2 to 171 ft/day (SNL, 1994). A general discussion of the hydrogeology at Kirtland AFB is presented in Section 2.5.

17.4 Nature and Extent of Contamination

The following section describes the nature and extent of contamination based on sampling results. Analytical results for soil samples at OWS ST-212 are summarized in Table 17-2, where only the reportable concentrations are listed. Full analytical results are presented in Appendix G. Laboratory validation reports are presented in Appendix K.

Organic Compounds

The following VOC analytes were detected in one or more of the soil samples collected at ST-212: acetone, methyl ethyl ketone, methylene chloride, and toluene. None of these compounds was detected at concentrations exceeding HHRB action levels. These compounds were detected in associated QC samples and are believed to be the result of laboratory contamination as discussed in Section 3.5.1. The SVOC di-n-butylphthalate was present in four of the five samples collected at the site. Concentrations ranged from 0.22 to 0.25 mg/kg, below the HHRB action level of 8,000 mg/kg (Table 17-2).

Petroleum Hydrocarbons

Diesel range hydrocarbons were detected in all but one soil sample collected at ST-212 at concentrations ranging from 0.74 to 1.2 mg/kg. Gasoline range hydrocarbons were also detected in all but one sample at concentrations ranging from 0.13 to 0.24 mg/kg (Table 17-2). The

Table 17-2. Summary of Reportable Concentrations for Soil Analyses at OWS ST-212 Bldg. 381, Kirtland AFB, New Mexico[Ψ,1]
[Concentrations (mg/kg)]

Chemical Class	Analyte	PQL UTL	HHRB Action Level[2]	Borehole Number and Sample Depth Interval (ft)				
				ST-212-01		*ST-212-02*		
				8-10	13-16	8-12	8-12 FR	13-15
VOC	Acetone	0.1	8000	0.0046	0.024	0.0043	0.0091	0.0045
	Methyl Ethyl Ketone	0.1	48000	ND	0.003	ND	0.0025	ND
	Methylene Chloride	0.005	93.3	0.0014	0.0019	ND	ND	ND
	Toluene	0.005	16000	0.0053	0.0017	ND	ND	0.0024
SVOC	di-n-Butylphthalate	0.7	8000	0.24	0.22	ND	0.25	0.23
TPH	Diesel Fraction	10	100	1.2	0.74	0.76	1.0	1.2
	Gasoline Fraction	1	100	0.16	0.17	ND	0.24	0.13
METALS	Aluminum	13300	N/A	10900	4530	6920	13400	7380
	Barium	496	5600	190	50.5	83.2	1290	54.5
	Beryllium	0.83	0.2	0.56	0.31	0.44	0.68	0.43
	Cadmium	N/A	40	1.0	ND	ND	ND	ND
	Calcium	119000	N/A	44300	7070	4690	17000	8360
	Chromium, Total	14.9	400	11.4	6.6	8.0	14.1	12.2
	Cobalt	11.3	N/A	7.9	6.5	5.5	7.4	7.8
	Copper	135	N/A	24.1	74.4	9.0	27.0	19.5
	Iron	20900	N/A	14700	9800	12400	17600	14600
	Lead	22.9	400	6.7	4.0	6.1	8.4	6.1
	Magnesium	8730	N/A	5030	2840	3310	5380	3950
	Manganese	435	400	393	226	197	209	384
	Nickel	54.4	1600	9.5	40.2	8.1	10.6	7.9
	Potassium	2730	N/A	2050	1280	1520	2680	2030
	Sodium	519	N/A	133	74.9	120	213	123
	Vanadium	49.2	720	40.1	21.1	34.7	47.4	34.3
	Zinc	81.6	24000	41.5	49.5	27.8	46.4	39.4
OTHER	Moisture (%)			10.9	2.2	8.4	11.4	6.8
	pH			8.2	8.4	8.0	8.0	8.2

Ψ Complete table footnotes can be found after the last table in this section.

1 Complete laboratory analytical results including method detection limits are presented in the ITIR appendices.

2 Action Level Proposed Rule RCRA Subpart S Action Levels (55 FR 30814, 7/27/90).

*; TPH action level is 100 mg/kg adopted from NM UST regulations (USGS 2B Work Plan 3.6, NM EI Board, 1990). SW-8015 analyzes volatile and semivolatile petroleum hydrocarbon fractions separately. The total concentration of the two fractions analyzed under 8015 will be used to assess compliance with stipulated action levels for the purpose of this RFI.

PQL; Practical Quantitation Limits (defines VOC, SVOC and TPH).

pCi/g; Picocuries per gram.

VOC; Volatile Organic Compounds.

TPH; Total Petroleum Hydrocarbons.

RAD; Radionuclides.

ND; Not Detected above the method detection limit.

U; Accept data (positive results may be influenced by lab contamination).

RE; Resample.

NA; Not Analyzed

UTL; Upper Tolerance Limits (defines METALS).

HHRB; Human Health Risk Based.

SVOC; Semivolatile Organic Compounds.

FR; Field Replicate.

UJ; Estimated Nondetect.

J; Estimated value.

R; Reject NDs due to interference.

--; No Data.

concentrations did not exceed the NMED action level. These hydrocarbons were present at similar concentrations in associated QC samples and may not indicate the presence of petroleum hydrocarbons in the soil.

Metals

Beryllium was detected in all soil samples above the HHRB action level of 0.2 mg/kg but below the UTL of 0.83 mg/kg. Beryllium concentrations ranged from 0.31 to 0.68 mg/kg (Table 17-2). These beryllium concentrations may be naturally occurring at Kirtland AFB as discussed in Section 4.2.2.

Soil pH and Moisture

Soil pH ranged from 8.0 to 8.4 in these samples. Soil moisture values ranged from 2.2 to 11.4 percent (Table 17-2).

17.5 Conclusions and Recommendations

Conclusions

- Four VOCs were detected in soil samples at ST-212; however, all concentrations were below the HHRB action levels. One SVOC was detected in four of the soil samples, but at concentrations below the HHRB action level.
- Petroleum hydrocarbons were present in all of the site samples with concentrations below the NMED action level of 100 mg/kg.
- Beryllium was present in all samples above the HHRB action level of 0.2 mg/kg, but below the UTL of 0.83 mg/kg. These concentrations of beryllium appear to be naturally occurring throughout Kirtland AFB.
- ST-212 analytical results are not indicative of a release from this unit.

Recommendations

- Based on the findings of the RFI, no further action is necessary; therefore, Site ST-212 does not require further investigation. A No Further Action proposal should be prepared.

18.0 Sites ST-214, Used Oil Underground Storage Tank; ST-215 and ST-216, Oil/Water Separators

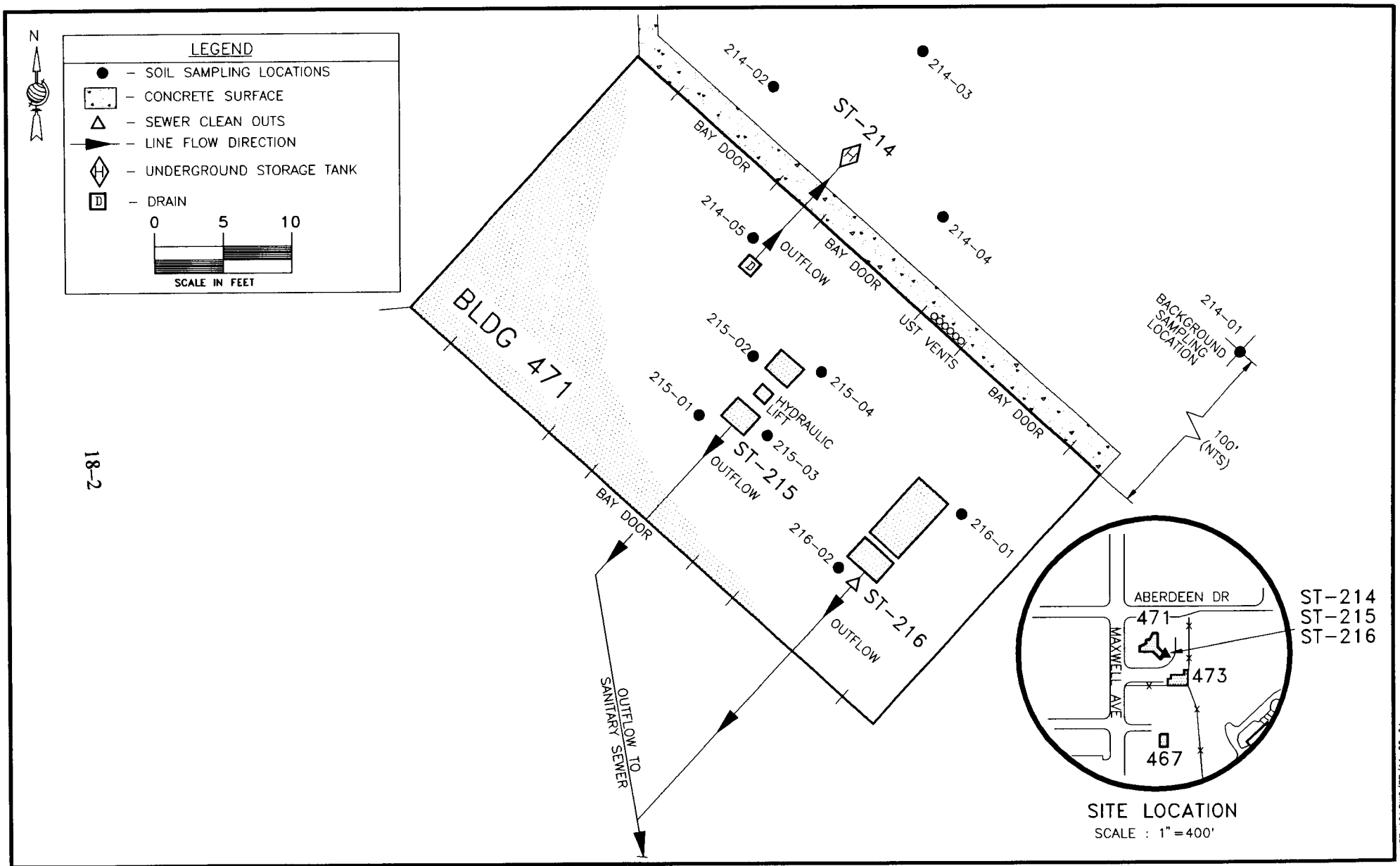
18.1 Site Background and Environmental Setting

These three sites are located in the western portion of Kirtland AFB at building 471, the west side service station. The station is still active, but the service bays are now used only for storage. OWSs ST-215 and ST-216 are inside the service bays; while ST-214, the used oil underground storage tank (UST), is 5 ft northeast of the building (Figure 18-1). These sites were investigated on April 26-29, 1994.

Used oil UST ST-214 is filled and emptied through a 1-ft diameter manhole covering the fill pipe. The tank has a 500-gallon capacity. The tank's age, orientation, and construction material are unknown. When the service area was operational, a floor drain, used for draining oil filters, also discharged to the holding tank. Currently, the tank is used as an unsupervised used oil collection point for Kirtland AFB personnel. During the Kirtland AFB sampling activities, personnel arrived with various containers and discharged the contents down the standpipe into the UST. A sign posted on the building wall near the manhole states that only motor oil is acceptable for disposal into the tank. Station personnel, who periodically measure the tank level, contact a subcontractor to pump out the oil when the tank is full. In 1991, this storage tank passed a tracer leak test capable of detecting leaks as low as 0.05 gallons per hour with a 97-percent detection probability (USGS, 1993a). ST-214 will be removed under the Kirtland AFB UST program in 1994.

OWS ST-215 is located in the center service bay of building 471 (Figure 18-1). It has two compartments, each 21 in. long, 27 in. wide, and 36 in. deep, on each side of the hydraulic lift in this service bay. The southern compartment is covered by a solid metal lid while the northern compartment is covered by a metal grate. This unit received fluids commonly associated with vehicle servicing and service bay wash water. This unit discharged to a sanitary sewer lateral draining to the main sanitary sewer line on Sherman Ave. The southern compartment bottom, which is broken out, has allowed fluids to drain into the underlying soils.

OWS ST-216 is located in the east service bay of building 471 (Figure 18-1). It has two compartments. The southern compartment which is 27 in. long, 33 in. wide, 36 in. deep, is covered with a solid metal lid. The northerly compartment is 63 in. long, 33 in. wide, and 36 in. deep. It received fluids commonly associated with vehicle servicing and service bay wash water and is covered by a metal grate. This unit discharged to a sanitary sewer lateral draining to the main sanitary sewer line on Sherman Ave.



18-2

SOIL SAMPLING LOCATIONS AT OIL/WATER SEPARATORS ST-215 & ST-216, AND USED OIL UNDERGROUND STORAGE TANK ST-214, BUILDING 471

FIGURE 18-1

RCRA FACILITY INVESTIGATION STAGE 2B KIRTLAND AIR FORCE BASE, NEW MEXICO

Since the service bays are no longer active, there is a reduced probability that the OWSs could overflow. However, if the OWSs were to overflow, runoff would probably flow west across the asphalt parking area and into the storm sewer drain on Maxwell Ave. If the UST were overfilled, the excess oil would probably pool in the area of the manhole.

In September 1994, renovations began to convert the service bays of building 471 into retail sales space. During a site visit on September 2, 1994, the service bay floor was being removed. Site personnel stated that the hydraulic lifts, UST ST-214, and OWSs ST-215 and ST-216 were scheduled for removal.

Building 471 is located in the urban/industrial environmental zone. This environmental setting is discussed in Section 2.0. Three production wells are located in this area of Kirtland AFB. Well KAFB-13 is 4,000 ft southwest, well KAFB-14 is 1,950 ft southeast, and well KAFB-12 is 1,700 ft northwest (Figure 2-11).

18.2 Study Area Investigation

Possible source materials were not investigated in this study. Previous investigations sampled source materials as described below.

18.2.1 Previous Investigations

In 1991 and 1992, a Kirtland AFB environmental contractor sampled materials (oil and water in the UST, and oil, water, and sediment in the OWSs) present in these units. These results are summarized in Table 18-1. Full results for these samplings are presented in Appendix B of the USGS Stage 2B Work Plan (USGS, 1993a).

18.2.2 Data Gaps

The main objective of this investigation was to determine if contamination is present in the subsurface soil adjacent to these sites. A secondary objective was to determine the OWS outflow and potential overflow runoff destinations.

Table 18-1. Reportable Analytes in Used Oil UST ST-214 and OWSs ST-215 and ST-216, Building 471

Site	Year	TPH (mg/kg)	TOX (mg/kg)	Lead (mg/kg)	Chromium (mg/kg)	Selenium (mg/kg)
ST-214	1991	89,000	189	ND	ND	ND
	1992	632	314	8.38	ND	ND
ST-215	1991	3,200	144	ND	ND	ND
	1992	200	199	ND	ND	ND
ST-216	1991	27,500	ND	ND	ND	ND
	1992	488	288	38.5	14.2	1.5

ND = Not Detected.

18.2.3 RFI Field Investigation

Borehole ST-214-01 was drilled northeast of OWS ST-214 to collect background concentration data for the three sites at building 471. This location was assumed to be in an area away from any known or suspected contamination. Sample depths were equal to the deepest samples planned for all units at this site (i.e., 10 and 20 ft for the used oil UST).

On April 26-27, 1994, four boreholes were drilled and sampled adjacent to used oil UST ST-214 using a Geoprobe system. Three of the boreholes were centered along the sides of the tank. The fourth borehole was drilled inside the service bays near the outflow line from the floor drain to the holding tank (Figure 18-1). The tank bottom was sounded at 7.25 ft and two samples per borehole were collected at depths of 3 and 10 ft below the tank base (i.e., 10 and 20 ft).

On April 27-29, 1994, four boreholes were drilled and sampled adjacent to OWS ST-215. One borehole was located near the outflow line from this unit. The other three boreholes were drilled near the sides of the two compartments (Figure 18-1). Sampling was planned at depths equal to the OWS base and 5 ft below the base (i.e., 3 and 8 ft). However, a noticeable solvent odor and elevated PID and FID field screening instrument readings indicated contamination was present in three boreholes; therefore, additional deeper samples were collected (Table 18-1).

Two boreholes were drilled and sampled at OWS ST-216 on April 27, 1994. One borehole was drilled near the unit outflow line; the other was near the opposite end of the unit (Figure 18-1). Two samples per borehole were collected at depths equal to the unit base and 5 ft below the unit base (i.e., 3 and 8 ft).

Sampling operations and sample handling procedures are described in Section 3.0. Borehole locations, sample depths, and replicate samples collected at these units are shown in Table 18-1. Borehole logs are in Appendix C.

18.2.4 Laboratory Analysis

Twenty-seven soil samples were collected at this site. These samples were analyzed for VOCs, SVOCs, TPH, metals, mercury (the expected contaminants associated with operations at this facility), soil pH, and soil moisture. Because OWS ST-215 was known to have released fluids into the subsurface, samples collected at this unit were also analyzed for TCLP metals and ignitability. The four brass tubes in each 2-ft sample interval were field screened for possible contamination using gamma and beta-gamma meters, PID, and an FID. PID and FID readings indicated possible contamination in all boreholes at ST-215 except ST-215-03. The brass tube with the highest PID/FID reading was submitted for VOC analysis. The highest reading measured for the sample interval is listed in Table 18-2.

18.3 Site Characteristics

18.3.1 Geology

The building 471 area is underlain by unconsolidated alluvial sediments. The sediments are predominantly very fine- to fine-grained sands and silty sands. Finer-grained materials were rarely encountered. A 1-ft-thick silt layer was penetrated at a depth of about 21 ft in borehole ST-214-05, while a 1-ft-thick clayey silt layer was found in borehole ST-215-01. Coarser-grained materials were more widespread. Gravel and gravely sand layers ranging from about 1-ft to 6-ft-thick were encountered about 14 to 17 ft below grade in boreholes ST-214-01, ST-214-02, ST-214-03, ST-214-05, and ST-215-01 and ST-215-03. A deeper, 1-ft to 2-ft-thick layer was encountered about 27 ft below grade in boreholes ST-215-01, -02, and -03. Caliche was present in most boreholes as light-stained zones and patches. Vertical stringers about 1 to 2 mm long were observed at a depth of 8 to 9 ft in borehole ST-214-04. The deepest boreholes drilled at building 471 reached a depth of 30 ft. No borehole penetrated into the Santa Fe Group sediments that presumably underlie this area. A discussion of the general geology at Kirtland AFB is presented in Section 2.4.

In boreholes adjacent to each unit, it is probable that backfill material is present to a depth at least equal to the OWS or UST depth. Borehole logs for the building 471 sites are presented in Appendix C.

Table 18-2. Boreholes and Samples Collected at Used Oil UST ST-214 and OWSs ST-215 and ST-216, Building 471

Site	Borehole	Borehole Location	Sample Depths (ft)	PID/FID (ppm_v)[a,b]
ST-214	01	Background sampling location	10-14	ND
			20-22	ND
	02	East side of UST	10-12	ND
			20-22	ND
	03	North side of UST	10-12	ND
			20-22	ND
	04	West end of UST	10-12	ND
			20-22	ND
	05	Inside service bay near floor drain to UST	10-14	ND
			20-24	ND
ST-215	01	Southeast corner of OWS near the outflow line	3-7	190/250
			8-12	70/150
			26-30	1.5/0.5
	02	Northeast corner of OWS	3-7	140/400
			8-13	130/150
			26-30	3/7
	03	Southeast corner of OWS	3-10[c]	150/300, 110/150c
			26-30	0.5/3.5
	04	Northwest corner of OWS	3-9	ND
			10-15	ND
			26-30	ND
ST-216	01	Northwest corner of OWS	3-7d	ND
			10-13	ND
	02	Near OWS outflow	3-6	ND
			8-10	ND

a. ppm_v = parts-per-million volume (ml/L) as isobutylene for the PID and as methane for the FID.
b. PID and FID readings are values above background. Only the highest value for the interval is listed.
c. Replicate samples collected in a second borehole about 0.25 ft away.
d. Replicate sample also collected in this depth interval.
ND = Not Detected.

18.3.2 Hydrogeology

Groundwater beneath this area is found within the Upper Santa Fe sediments and is generally thought to be unconfined in the upper portion of the aquifer. This area is within the HR1 saturated zone setting as defined by SNL studies (Figure 2-9) (SNL, 1994). Hydrologic characterization in this portion of Kirtland AFB is complicated by the presence of numerous production wells (Figure 2-11). It is probable that uniform groundwater conditions do not exist in this region. Local cones of

depression associated with groundwater withdrawal have altered the groundwater flow direction in the vicinity of the well fields (Figure 2-7).

The gradient is probably easterly in this area. Three production wells are located in this area of Kirtland AFB. Well KAFB-13 is 4,000 ft southwest and is probably cross gradient of building 471. Well KAFB-14 is 1,950 ft southeast and is probably upgradient. Well KAFB-12 is 1,700 ft northwest and may be downgradient of building 471 (Figures 2-7 and 2-11). Depth to groundwater is estimated to be approximately 350 ft below grade; however, shallower perched water zones may occur (Figure 2-10). Hydraulic conductivity within HR1 is estimated at 2 to 171 ft/day (SNL, 1994). A general discussion of the hydrogeology at Kirtland AFB is presented in Section 2.5.

18.4 Nature and Extent of Contamination

The following subsections describe the extent of contamination based on sampling results. Analytical results for soil samples at building 471 are summarized in Tables 18-3 through 18-6 where only the reportable concentrations of detected analytes are listed. Full analytical results are presented in Appendix G. Laboratory validation reports are presented in Appendix K.

18.4.1 ST-214 Analytical Results

Organic Compounds

The following VOC analytes were detected in one or more of the soil samples collected at ST-214: acetone, methylene chloride, and toluene (Table 18-3). Acetone (0.0059 to 0.0077 mg/kg) was detected in the 20- to 22-ft samples from boreholes ST-214-03 and ST-214-04. Methylene chloride (0.0013 to 0.0033 mg/kg) was detected in boreholes ST-214-02, ST-214-03, and ST-214-04. Toluene (0.0006 to 1.4 mg/kg) was detected in boreholes ST-214-03, ST-214-04, and ST-214-05 (Table 18-3). All of these VOC detections are below HHRB action levels. With the exception of the 1.4 mg/kg toluene detection, these compounds were detected in associated QC samples and are believed to be the result of laboratory contamination as discussed in Section 3.5.1.

Phenol and di-n-butylphthalate were the only SVOCs detected at ST-214 (Table 18-3). Di-n-butylphthalate was detected in 6 of the 10 samples collected at this site. The concentrations ranged from ND to 0.42 mg/kg. All concentrations were below the HHRB action level of 8,000 mg/kg. Phenol (0.19 and 0.2 mg/kg) was detected only in the 20- to 22-ft and 20- to 24-ft samples from boreholes ST-219-03 and ST-219-05. These concentrations are below the HHRB action level of 48,000 mg/kg.

Table 18-3. Summary of Reportable Concentrations for Soil Analyses at UST ST-214 Bldg. 471, Kirtland AFB, New Mexico[Ψ,1] [Concentrations (mg/kg)]

Chemical Class	Analyte	PQL UTL	HHRB Action Level[2]	Borehole Number and Sample Depth Interval (ft)									
				ST-214-01		*ST-214-02*		*ST-214-03*		*ST-214-04*		*ST-214-05*	
				10-14	20-22	10-12	20-22	10-12	20-22	10-12	20-22	10-14	20-24
VOC	Acetone	0.1	8000	ND	ND	ND	ND	ND	0.0059 U	ND	0.0077 J	ND	ND
	Methylene Chloride	0.005	93.3	ND	ND	0.0013 J	ND	0.0021 J	0.0027 U	0.0019 J	0.0033 J	ND	ND
	Toluene	0.005	16000	ND	ND	ND	ND	0.0006 J	ND	ND	0.0012 J	ND	1.4 J
SVOC	di-n-Butylphthalate	0.7	8000	0.42	0.36	0.31	0.32	0.34	ND	ND	0.24	ND	ND
	Phenol	0.3	48000	ND	ND	ND	ND	ND	0.19	ND	ND	ND	0.20
	Diesel Fraction	10	100	0.91	0.22	0.78	1.3	0.5	1.2	0.63	0.69	ND	1.6
	Gasoline Fraction	1	100	0.26	0.26	0.18	0.74	0.7	0.3	0.47	0.62	0.65	3.1
METALS	Aluminum	13300	N/A	9090	12000	8840	22500	9260	12600 J	11100	15600	6020	11100
	Barium	496	5600	71.4	135	27.3	291	183	45.2	145	100	204	66.7
	Beryllium	0.83	0.2	0.52	0.56	0.32	1.0	0.43	0.58	0.55	0.69	0.33	0.58
	Cadmium	N/A	40	0.73	ND	ND	1.7	0.65	1.0 J	0.99	1.3	ND	0.93
	Calcium	119000	N/A	15400	13500	4940	38800	19300	59300	45100	20100	24300	18500
	Chromium, Total	14.9	400	8.0	10.3	8.1	22.8	8.0	12.7 J	11.0	15.1	6.7	10.8
	Cobalt	11.3	N/A	8.9	8.4	4.3	14.5	7.1	7.0	9.4	11.3	5.2	9.2
	Copper	135	N/A	26.2	46.9	9.6	65.5	13.2	36 J	19.1	27.4	37.0	62.5
	Iron	20900	N/A	15300	17300	11700	28400	14400	15700	14900	20300	8330	16900
	Lead	22.9	400	6.9	7.8	4.1	13.1	4.8	6.6 J	8.6	9.3	27.7	7.2
	Magnesium	8730	N/A	4650	5450	3420	9260	4670	5390	5210	6480	2990	5650
	Manganese	435	400	294	317	148	624	266	356	306	398	123	413
	Nickel	54.4	1600	9.6	13.7	5.8	25.1	8.0	16.6	9.1	13.6	20.8	10.4
	Potassium	2730	N/A	1820	2670	1470	4220	1960	2450 J	2270	3310	1090	2560
	Selenium	N/A	400	ND	ND	ND	9.6	ND	ND UJ	ND	ND	ND	ND
	Sodium	519	N/A	90.4	325	124	1060	329	533 J	419	544	276	316
	Vanadium	49.2	720	37.7	36.8	30.2	61.2	34.2	31.8 J	37.0	47.5	22.4	36.8
	Zinc	81.6	24000	42.8	59.3	26.8	87.7	36.8	47.7 J	37.5	53.4	33.4	61.6
OTHER	Moisture (%)			4.3	10	7.0	13.3	7.0	14.1	9.5	13.1	8.8	14.1
	pH			9.0	8.7	8.6	8.7	8.9	8.2	8.8	8.7	8.3	8.4

Ψ Complete table footnotes can be found after the last table in this section.

Table 18-4. Summary of Reportable Concentrations for Soil Analyses at OWS ST-215 Bldg. 471, Kirtland AFB, New Mexico[Ψ,1]
[Concentrations (mg/kg)]

Chemical Class	Analyte	PQL UTL	HHRB Action Level[2]	Borehole Number and Sample Depth Interval (ft)											
				ST-215-01			ST-215-02			ST-215-03			ST-215-04		
				3-7	8-12	26-30	3-7	8-13	26-30	3-10	3-10 FR	26-30	3-9	10-15	26-30
VOC	Acetone	0.1	8000	ND	ND	ND	0.033 J	0.084 J	0.0074 J	0.046 J	0.070 J	0.031 U	0.0012 J	0.0065 U	0.0049 J
	Ethylbenzene	0.005	8000	ND	ND	ND	ND	ND	ND	0.011 J	0.047	ND	0.012 J	ND	ND
	2-Hexanone	0.05	N/A	ND	ND	ND	0.012 J	ND	ND	ND	0.11	ND	ND	ND	ND
	Methyl Ethyl Ketone	0.1	48000	ND	ND	ND	0.026 J	ND	ND	ND	ND	0.0051 U	ND	ND	0.0017 J
	Methyl Isobutyl Ketone	0.05	N/A	ND	ND	ND	ND	ND	ND	0.013 J	ND	ND	ND	ND	ND
	Methylene Chloride	0.005	93.3	ND	ND	0.0013 J	0.02 J	0.018 J	0.0024 J	0.011 J	ND	0.0017 J	0.0015 J	ND	0.0015 J
	Tetrachloroethylene	0.005	800	ND	ND	ND	ND	0.050	ND	0.026	0.047	ND	0.0024	0.0025	ND
	Toluene	0.005	16000	ND	ND	ND	ND	ND	ND	ND	0.067	ND	ND	0.0015 J	ND
	Trichloroethylene	0.005	63.6	ND	ND	ND	ND	ND	ND	ND	0.021 J	ND	ND	ND	ND
	Total Xylenes	0.005	160000	0.310	ND	ND	0.080	0.059	ND	0.110	0.062	ND	ND	ND	ND
SVOC	Naphthalene	0.7	3200	ND	ND	ND	ND	4.50	ND	ND	ND	ND	ND	ND	ND
	Phenol	0.3	48000	ND	ND	0.46	ND	ND	ND	ND	ND	ND	ND	ND	0.29
TPH	Diesel Fraction	10	100	2	11	ND	380	3600	1.9	23	580	1.2	8.4	6.5	2.6
	Gasoline Fraction	1	100	5800	14	2.1	110	18	0.8	5.9	21	0.92	0.52	0.58	0.66
METALS	Aluminum	13300	N/A	4300	6230	12500	4220	9490 J	11700	5920	5510	10900 J	5430	7950 J	10800
	Arsenic	N/A	0.4	8.5	ND	ND	8.4	ND	ND	ND	ND	ND	ND	ND	ND
	Barium	496	5600	152	263	74.6	187	174	84.6	ND	164	122	374	45.4	77.5
	Beryllium	0.83	0.2	0.22	0.33	0.58	ND	0.45	0.56	0.23	0.23	0.59	0.34	0.42	0.58
	Cadmium	N/A	40	ND	0.55	1.0	0.55	0.68 J	1.0	0.68	ND	0.94 J	ND	0.74 J	0.81
	Calcium	119000	N/A	112000	37900	32400	104000	54200	40700	70300	135000	61400	68600	6910	39600
	Chromium, Total	14.9	400	3.4	5.9	11	3.9	8.4 U	11.6	5.5	4.9	9.3 U	7.1	6.9 U	9.5
	Cobalt	11.3	N/A	3.6	4.2	9.1	3.1	5.7 U	8.3	4.7	4.3	7.9	3.4	5.9	9.5
	Copper	135	N/A	18.9	7.1	39.3	14.8	29.1 J	64.6	27.6	48.1	30 J	18.8	11.7 J	52.8
	Iron	20900	N/A	4650	8240	16800	5460	11800	15000	7420	7370	14800	6600	12800	15400
	Lead	22.9	400	ND	ND	11.9	8.2	5.7	7.4	35	7.0	9.2	6.3	5.5	9.8
	Magnesium	8730	N/A	2210	3610	6740	2420	4170	6880	2270	4390	7870	4170	4280	6570
	Manganese	435	400	53.5	142	391	54.9	152	362	96.0	99.8	373	85.3	229	383
	Mercury	N/A	20	ND	ND	ND	ND	ND UJ	ND	0.11	ND	ND UJ	ND	ND UJ	ND
	Nickel	54.4	1600	ND	3.4	10.1	ND	5.0	6.9	4.9	4.8	10.1	18.0	5.6	10.4
	Potassium	2730	N/A	753	1010	3380	708	2000	3690	1210	842	3770	810	1820	2920
	Sodium	519	N/A	441	485	632	609	983 J	820	681	735	1100 J	417	467	668
	Vanadium	49.2	720	12.2	22.5	28.5	13.6	30.9 J	30.2	15.7	17.9	24.4 J	22.6	30.9	25.8
	Zinc	81.6	24000	19.0	19.6	64.5	16.3	33.7 J	64.6	27.6	30.2	47.4 J	18.0	51.0	60.6
OTHER	Moisture (%)			10.7	8.7	13.3	9.4	11.6	11.0	12.3	14.7	14.9	10.8	5.5	13.4
	pH			8.8	8.7	8.1	9.1	8.8	8.8	8.6	8.6	8.5	8.5	8.9	7.8

Ψ Complete table footnotes can be found after the last table in this section.

Table 18-5. Summary of Reportable Concentrations for TCLP Metals and Ignitability Analyses for Soil Samples at ST-215, Building 471, Kirtland AFB, New Mexico [Concentrations (mg/kg)]

Analyte	Borehole Number and Sample Depth Interval (ft)											
	ST-215-01			*ST-215-02*			*ST-215-03*			*ST-215-04*		
	3-7	8-12	26-30	3-7	8-13	26-30	3-10	3-10 FR	26-30	3-9	10-15	26-30
Arsenic	ND	ND	0.13	ND	ND	0.19	ND	ND	ND	ND	0.12	ND
Barium	3.58	3.07	0.59	4.08	4.50	0.63	3.24	3.04	1.70	0.85	0.66	1.10
Cadmium	ND	ND	0.01	ND	ND	ND	ND	ND	ND	ND	ND	0.01
Chromium	ND	0.22	ND	0.01	ND	ND	0.02	ND	ND	0.02	0.01	ND
Lead	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Mercury	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Selenium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.08
Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ignitability (° F)	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC

NC = No Combustion (> 200 ° F)

ND = Not Detected

Table 18-6. Summary of Reportable Concentrations for Soil Analyses at OWS ST-216 Bldg. 471, Kirtland AFB, New Mexico[Ψ,1]
[Concentrations (mg/kg)]

Chemical Class	Analyte	PQL UTL	HHRB Action Level[2]	Borehole Number and Sample Depth Interval (ft)				
				ST-216-01			*ST-216-02*	
				3-7	3-7 FR	10-13	3-6	8-10
SVOC	Phenol	0.3	48000	0.78	0.70	0.31	0.29	0.19
TPH	Diesel Fraction	10	100	2.5	1.7	1.7	1.4	1.5
	Gasoline Fraction	1	100	0.16	ND	0.56	0.59	0.18
METALS	Aluminum	13300	N/A	5060	7040	5640	4680	7160
	Barium	496	5600	871	345	157	150	35
	Beryllium	0.83	0.2	ND	0.24	0.32	0.22	0.45
	Cadmium	N/A	40	0.62	ND	ND	ND	ND
	Calcium	119000	N/A	192000	199000	14900	59600	32400
	Chromium, Total	14.9	400	4.6	4.6	5.2	5.5	5.7
	Cobalt	11.3	N/A	3.8	5.5	5.9	2.7	6.3
	Copper	135	N/A	9.9	9.1	10.6	30.9	23.2
	Iron	20900	N/A	4090	6240	10200	6010	11200
	Lead	22.9	400	ND	4.4	3.6	3.3	4.4
	Magnesium	8730	N/A	7430	9820	3330	2730	4070
	Manganese	435	400	37.2	91.1	179	72.3	205
	Nickel	54.4	1600	ND	3.9	ND	7.7	6.2
	Potassium	2730	N/A	498	887	1200	685	1220
	Selenium	N/A	400	ND	ND	ND	ND	ND
	Sodium	519	N/A	195	232	230	124	158
	Vanadium	49.2	720	22.0	27.2	27.2	18.8	30.2
	Zinc	81.6	24000	13.8	18.2	25.1	28.9	33.1
OTHER	Moisture (%)			18.8	18.0	6.6	9.0	10.6
	pH			8.4	8.2	8.6	8	8.2

Ψ Complete table footnotes can be found after the last table in this section.

1 Complete laboratory analytical results including method detection limits are presented in the ITIR appendices.

2 Action Level Proposed Rule RCRA Subpart S Action Levels (55 FR 30814, 7/27/90).

*; TPH action level is 100 mg/kg adopted from NM UST regulations (USGS 2B Work Plan 3.6, NM EI Board, 1990). SW-8015 analyzes volatile and semivolatile petroleum hydrocarbon fractions separately. The total concentration of the two fractions analyzed under 8015 will be used to assess compliance with stipulated action levels for the purpose of this RFI.

PQL; Practical Quantitation Limits (defines VOC, SVOC and TPH).

pCi/g; Picocuries per gram.

VOC; Volatile Organic Compounds.

TPH; Total Petroleum Hydrocarbons.

RAD; Radionuclides.

ND; Not Detected above the method detection limit.

U; Accept data (positive results may be influenced by lab contamination).

RE; Resample.

NA; Not Analyzed

UTL; Upper Tolerance Limits (defines METALS).

HHRB; Human Health Risk Based.

SVOC; Semivolatile Organic Compounds.

FR; Field Replicate.

UJ; Estimated Nondetect.

J; Estimated value.

R; Reject NDs due to interference.

--; No Data.

Petroleum Hydrocarbons

Diesel range hydrocarbons were detected in all but the 10- to 14-ft sample from borehole ST-214-05. The concentrations ranged from 0.22 to 1.6 mg/kg. Gasoline range hydrocarbons were detected in all samples, ranging in concentration from 0.18 to 3.1 mg/kg (Table 18-3). The concentrations for gasoline and diesel hydrocarbons at ST-214 do not exceed the NMED action level of 100 mg/kg.

Metals

Table 18-3 lists all reportable metal concentrations detected at ST-214. Chromium (22.8 mg/kg), cobalt (14.5 mg/kg), vanadium (61.2 mg/kg), and zinc (87.7 mg/kg) were detected above the appropriate UTL concentration in the 20- to 22-ft sample from borehole ST-214-02. Selenium (61.2 mg/kg) was also detected in this sample. All concentrations were below any HHRB action levels. Chromium (15.1 mg/kg) and cobalt (11.3 mg/kg) were detected above the UTL concentrations but below the HHRB action levels in the 20- to 22-ft samples from borehole ST-214-04. Lead (27.7 mg/kg) was detected above the UTL but below the HHRB action level of 400 mg/kg in the 10- to 14-ft sample from borehole ST-214-05.

Beryllium (0.33 to 1.0 mg/kg) was detected in all samples. All but the 1.0 mg/kg concentration measured in the 20- to 22-ft sample from borehole ST-214-02 were below the 0.83 mg/kg UTL concentration. Beryllium concentrations exceeding the HHRB action level appear to be naturally occurring at Kirtland AFB as discussed in Section 4.2.2.

Soil pH and Soil Moisture

Soil pH ranged from 8.2 to 9 in these samples. Soil moisture values ranged from 4.3 to 14.1 percent. (Table 18-3).

18.4.2 ST-215 Analytical Results

Organic Compounds

The following VOC analytes were detected in one or more of the soil samples collected at ST-215: acetone, 2-hexanone, methyl ethyl ketone, methyl isobutyl ketone, ethylbenzene, methylene chloride, toluene, tetrachloroethylene, trichloroethylene, and xylenes (Table 18-4). Acetone (0.0012 to 0.084 mg/kg), methyl ethyl ketone (0.0017 to 0.026 mg/kg), methyl isobutyl ketone (0.013 mg/kg), methylene chloride (0.0013 to 0.02 mg/kg), and toluene (0.0015 to 0.067 mg/kg) were also detected in associated QC samples and are probably the result of laboratory contamination as discussed in Section 3.5.1. 2-Hexanone (0.012 mg/kg) was detected in the 3- to 7-ft sample from borehole

ST-215-02, and the 3- to 10-ft replicate sample from borehole ST-215-03. There is no HHRB action level for 2-hexanone. Tetrachloroethylene (0.0024 to 0.05 mg/kg) was detected in samples from boreholes ST-215-02, ST-215-03, and ST-215-04. All detections were below the HHRB action level of 10 mg/kg. Trichloroethylene (0.021 mg/kg) was detected only in the 3- to 10-ft replicate sample from borehole ST-215-03. This was below the HHRB action level of 63.4 mg/kg. Ethylbenzene (0.011 to 0.047 mg/kg) was in the 3- to 10-ft sample and replicate from borehole ST-215-03 and the 3- to 9-ft sample from borehole ST-215-04. These detections are below the HHRB action level of 8,000 mg/kg. Xylenes (0.059 to 0.31 mg/kg) were detected in boreholes ST-215-01, ST-215-02, and ST-215-03. All detections were below the HHRB action level of 160,000 mg/kg. No detections of methyl ethyl ketone, tetrachloroethylene, trichloroethylene, or xylenes were found in the 26- to 30-ft sample in any borehole at ST-215.

Two SVOCs were detected in the samples collected at ST-215. Phenol (0.29 to 0.46 mg/kg) was in the 26- to 30-ft samples from boreholes ST-215-01 and ST-215-04. Naphthalene (4.5 mg/kg) was detected only in the 8- to 13-ft sample from borehole ST-215-02. All detections were below HHRB action levels.

Petroleum Hydrocarbons

Diesel and gasoline range hydrocarbons were detected in all soil samples at ST-215 (Table 18-4). Diesel concentrations ranged from 1.2 to 3,600 mg/kg, generally reaching a maximum concentration in each borehole at approximately 12 to 15 ft. The highest concentrations of gasoline range hydrocarbons in each borehole (0.52 to 5,800 mg/kg) were measured in the 3- to 7-ft samples. In general, the gasoline and/or diesel concentrations exceeded the NMED action level of 100 mg/kg in samples collected to a depth of about 13 ft. The vertical extent of contamination was possibly defined by the decrease of diesel and gasoline concentrations (ND to 2.6 mg/kg) in the deepest (26- to 30-ft) samples at this site.

Metals

Table 18-4 lists all reportable metal concentrations detected at ST-215. Cadmium (0.55 to 1 mg/kg) was detected in most samples. The concentrations are below the HHRB action level of 40 mg/kg. Lead (ND to 35 mg/kg) was present in most samples. The 35-mg/kg lead detection in the 3- to 10-ft sample from borehole ST-215-03 was above the 22.9 mg/kg UTL but below the HHRB action level of 400 mg/kg. Mercury (0.11 mg/kg) was also detected in the 3- to 10-ft sample from borehole ST-215-03. This detection is below the 20 mg/kg HHRB action level.

Arsenic (8.4 and 8.5 mg/kg) was detected in the 3- to 5-ft samples from boreholes ST-215-01 and ST-215-02. These concentrations exceed the HHRB action level of 0.4 mg/kg. Beryllium (ND to 0.59 mg/kg) was detected in all but one sample. These concentrations are below the UTL of 0.83 mg/kg but above the HHRB action level of 0.2 mg/kg. Arsenic and beryllium concentrations exceeding the HHRB action levels appear to be naturally occurring at Kirtland AFB, as discussed in Section 4.2.2.

The TCLP metal results for the samples collected at ST-215 are presented in Table 18-5. Barium (0.59 to 4.50 mg/kg) was detected in all samples. Chromium (0.01 to 0.22 mg/kg) was detected in four samples. Arsenic (0.12 to 0.19 mg/kg) was detected in three samples. Cadmium (0.01 mg/kg) was detected in two samples. Selenium (0.08 mg/kg) was detected in one sample. Lead, mercury, and silver were not detected in any samples.

Ignitability

Table 18-5 lists the ignitability analysis results for the soil samples collected at ST-215. All samples had flash points greater than 200 ^{O}F.

Soil pH and Moisture

Soil pH ranged from 7.8 to 9.1. Soil moisture values ranged from 5.5 to 14.9 percent (Table 18-4).

18.4.3 ST-216 Analytical Results

Organic Compounds

No VOC analytes were detected in these samples (Table 18-6). The SVOC phenol was detected in all samples at concentrations ranging from 0.19 to 0.78 mg/kg. All concentrations were below the HHRB action level of 48,000 mg/kg.

Petroleum Hydrocarbons

Diesel range hydrocarbons were detected in all samples at concentrations ranging from 1.4 to 2.5 mg/kg (Table 18-6). Gasoline range hydrocarbons (ND to 0.59 mg/kg) were detected in all samples except the 3- to 7-ft field replicate from borehole ST-216-01. These concentrations did not exceed the NMED action level of 100 mg/kg.

Metals

Table 18-6 lists all reportable metal concentrations detected at ST-216. Cadmium (0.62 mg/kg) was detected only in the 3- to 7-ft sample from ST-216-01. This concentration is below the HHRB action level of 40 mg/kg. Barium (ND to 871 mg/kg) exceeded the UTL concentration of 496 mg/kg in the 3- to 7-ft sample from borehole ST-216-01. This concentration is below the 5,600 mg/kg HHRB action level. Barium was not detected in the replicate sample.

Beryllium (ND to 0.45 mg/kg) was detected in all but one of the samples collected at ST-216. All concentrations were below the UTL but above the HHRB action level of 0.2 mg/kg. Beryllium concentrations exceeding the HHRB action level appear to be naturally occurring throughout Kirtland AFB, as discussed in Section 4.2.2.

Soil pH and Moisture

Soil pH ranged from 8 to 8.6 in these samples. Soil moisture values ranged from 6.6 to 18.8 percent (Table 18-6).

18.5 Conclusions and Recommendations

Conclusions

- Several VOCs and SVOCs were detected in soil samples from ST-214 and ST-215; however, all concentrations were below HHRB action levels.

- Diesel and gasoline range hydrocarbons were detected in almost all samples collected at these sites. The detections at ST-214 and ST-216 are not indicative of releases from these units. The concentrations measured were below the NMED action level of 100 mg/kg.

- Due to the broken base in the southern compartment of OWS ST-215, fluid releases to the subsurface soil have occurred. Analyses indicate that diesel and gasoline range hydrocarbons are present in the subsurface at concentrations exceeding the NMED action level of 100 mg/kg. The highest concentrations were measured in samples collected to a depth of 15 ft in boreholes ST-215-01 and ST-215-02 on the northwest side of the OWS. Diesel and gasoline concentrations apparently decreased with depth as seen in the analyses of the deepest samples (i.e., 26- to 30-ft). This may indicate that the vertical extent of contamination is less than 26 ft below the surface in the vicinity of ST-215.

- Several metals (chromium, cobalt, vanadium, zinc, cadmium, lead, and mercury) had isolated detections at concentrations above their UTLs but below their respective HHRB action levels.

- Beryllium was detected in all but two samples at concentrations above the HHRB action level. Similarly, arsenic was detected in two samples at concentrations above the HHRB action level. These beryllium and arsenic concentrations appear to be naturally occurring throughout Kirtland AFB as discussed in Section 4.2.2.

- Analytical results are not indicative of releases from ST-214 or ST-216.

- No risk assessment was performed for the petroleum hydrocarbon contamination present at ST-215 because no hazardous compounds associated with fuels (e.g., benzene, benzo (a) pyrene) were detected in these soil samples.

Recommendations

- Based on the findings of this RFI, no further action is necessary at ST-214 and ST-216; therefore, these sites do not require further investigation. No Further Action proposals should be prepared.

- A CMS should be implemented at ST-215 to evaluate remedial options at this site.

- In response to USEPA comments on the USGS Stage 2B Work Plan (USGS, 1993a), OWSs ST-215 and ST-216 are scheduled for removal as an interim measure. These OWSs will be removed and not replaced.

19.0 Site ST-217, Oil/Water Separator

19.1 Site Background and Environmental Setting

OWS ST-217, located in the western portion of Kirtland AFB, has been removed. It was located outside on the north side of building 481, in front of a transformer, in an alcove next to the main entrance (Figure 19-1). A new separator, which has replaced ST-217, is located about 20 ft northwest of the old location in the parking lot. Building 481 is an airplane hangar and maintenance facility for Ross Aviation. ST-217 was a concrete unit measuring 11 ft long, 6 ft wide, and 6.5 ft deep. ST-217 received inflow from floor drains inside the hangar area of building 481 and discharged northwest to a storm sewer system. ST-217 was investigated on April 15, 1994.

Building 481 is located in the urban/industrial environmental zone. This environmental setting is discussed in Section 2.0. Two production wells are located near this site. Well KAFB-14 is located 1,600 ft southeast, and well KAFB-12 is 2,100 ft northwest (Figure 2-11).

19.2 Study Area Investigation

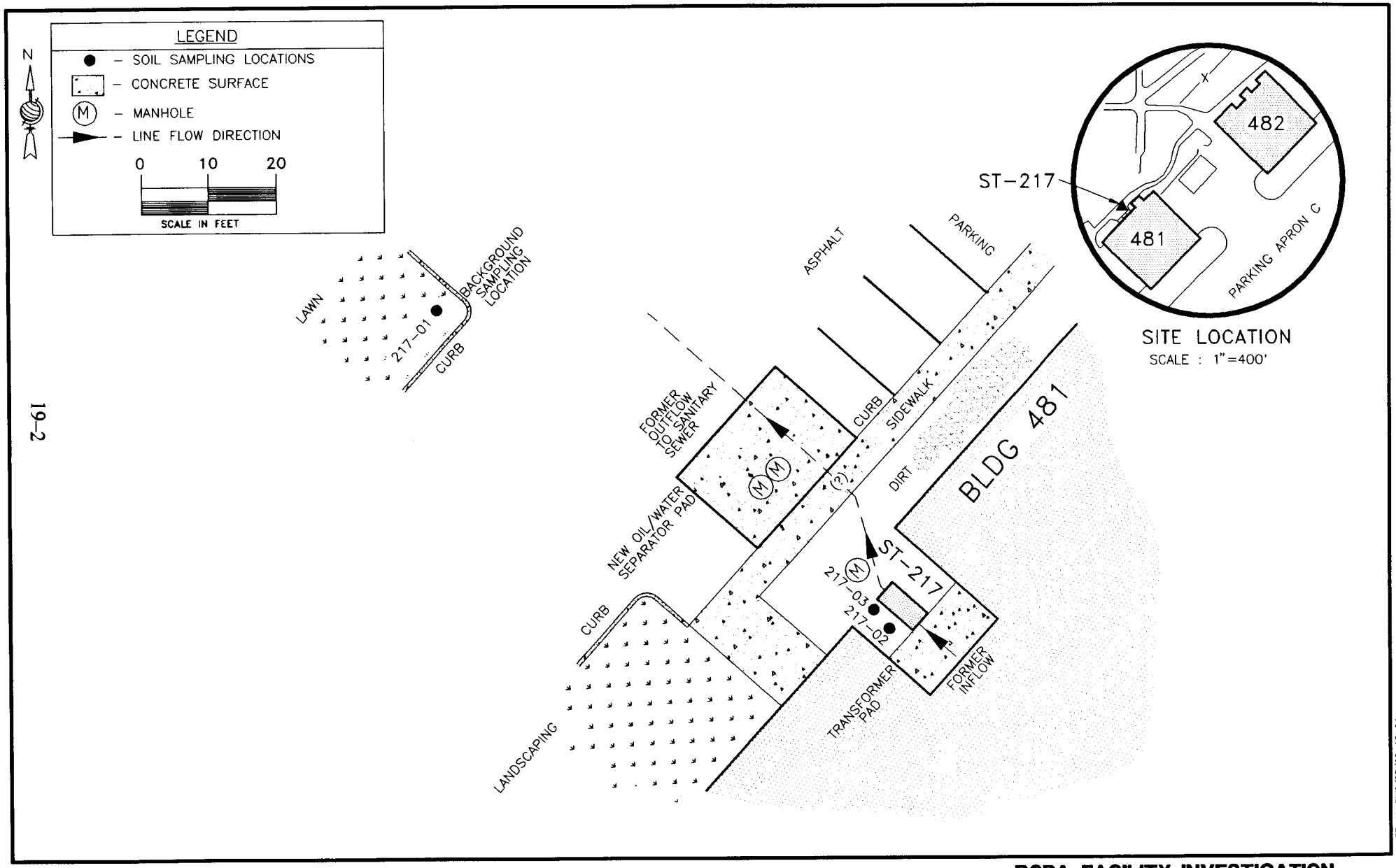
Possible source materials were not investigated in this study. Previous investigations sampled source materials as described below.

19.2.1 Previous Investigations

In 1990, 1991, and 1992, a Kirtland AFB environmental contractor sampled materials present in OWS ST-217. The 1992 sample may have come from the new separator (USGS, 1993). A TOX concentration of 115.82 mg/kg was reported for the 1991 sampling. The 1992 sampling contained 152 mg/kg TPH, 138 mg/kg TOX, 6.5 mg/kg cadmium, and 77 mg/kg lead. The cadmium and lead concentrations were greater than the RCRA TCLP limit of 1 and 5 mg/kg, respectively. Full results for these samplings are presented in Appendix B of the USGS Stage 2B Work Plan (USGS, 1993a).

19.2.2 Data Gaps

The main objective of this investigation was to determine if contamination is present in the area adjacent to OWS ST-217. A secondary objective was to determine the unit's outflow destination.



SOIL SAMPLING LOCATIONS AT OIL/WATER SEPARATOR ST-217, BUILDING 481

FIGURE 19-1

RCRA FACILITY INVESTIGATION STAGE 2B KIRTLAND AIR FORCE BASE, NEW MEXICO

19.2.3 RFI Field Investigation

On April 15, 1994, three boreholes were drilled and sampled using a Geoprobe system. One borehole was drilled in the lawn northwest of building 481 to collect background concentration data (Figure 19-1). This location was assumed to be in an area away from any known or suspected contamination. The other two boreholes were drilled as close as possible to the former OWS inflow and outflow piping (Figure 19-1). Two sample intervals were collected in each borehole; one at a depth equal to and the other 5 ft below the former unit's base (i.e., 6 and 11 ft).

Sampling operations and sample handling procedures are described in Section 3.0. Borehole locations, sample depths, and replicate samples collected at OWS ST-217 are shown in Table 19-1. Borehole logs are in Appendix C.

Table 19-1. Boreholes and Samples Collected at OWS ST-217, Building 481

Site	Borehole	Borehole Location	Sample Depths (ft)
ST-217	01	Background sampling location	6-8
			11-13
	02	Near OWS inflow	6-8
			14-16
	03	Near OWS outflow	6-10
			11-13

19.2.4 Laboratory Analysis

Six soil samples were collected at this site. These samples were analyzed for VOCs, SVOCs, TPH, metals, mercury (the expected contaminants associated with normal operations at this facility), soil pH, and soil moisture. The four brass tubes in each 2-ft sample interval were field screened for possible contamination using gamma and beta-gamma meters, a PID, and an FID. No readings above background values were measured with these instruments.

19.3 Site Characteristics

19.3.1 Geology

The building 481 area is underlain by unconsolidated alluvial sediments. The sediments are predominantly sandy silt with very fine-grained to fine-grained sands. Caliche was present in all boreholes as light- to heavily-stained zones and patches. Two 13-ft-deep and one 16-ft-deep boreholes were drilled at building 481. No borehole penetrated into the Santa Fe Group sediments

that presumably underlie this area. A discussion of the general geology at Kirtland AFB is presented in Section 2.4.

As a result of OWS installation, it is probable that backfill material is present adjacent to the unit to a depth equal to the former unit's total depth. Borehole logs for this area are presented in Appendix C.

19.3.2 Hydrogeology

Groundwater beneath ST-217 is found within the Upper Santa Fe sediments and is generally thought to be unconfined in the upper portion of the aquifer. This area is within the HR1 saturated zone setting as defined by SNL studies (Figure 2-9) (SNL, 1994). Hydrologic characterization in this portion of Kirtland AFB is complicated by the presence of numerous production wells (Figure 2-11). It is probable that uniform groundwater conditions do not exist in this region. Local cones of depression associated with groundwater withdrawal have altered the groundwater flow direction within the well fields (Figure 2-7).

It is probable that the gradient is to the northeast. Two production wells are located near ST-217: well KAFB-14 is cross gradient 1,600 ft southeast, and KAFB-12 is cross gradient 2,100 ft northwest (Figures 2-7 and 2-11). Depth to groundwater is estimated to be approximately 350 ft below grade (Figure 2-10); however, shallower perched water zones may occur. Hydraulic conductivity within HR1 is estimated at 2 to 171 ft/day (SNL, 1994). A general discussion of the hydrogeology at Kirtland AFB is presented in Section 2.5.

19.4 Nature and Extent of Contamination

The following section describes the nature and extent of contamination based on soil sampling results. Analytical results for soil samples at OWS ST-217 are summarized in Table 19-2, where only the reportable concentrations are listed. Full analytical results are presented in Appendix G and laboratory validation reports are presented in Appendix K.

Organic Compounds

The following VOC analytes were detected in one or more of the soil samples collected at ST-217: acetone, methyl ethyl ketone, toluene, and methylene chloride. None of these compounds was detected at levels exceeding HHRB action levels (Table 19-2). These compounds were detected in associated QC samples and are believed to be the result of laboratory contamination as discussed in Section 4.2.2.

Table 19-2. Summary of Reportable Concentrations for Soil Analyses at OWS ST-217 Bldg. 481, Kirtland AFB, New Mexico[Ψ,1] [Concentrations (mg/kg)]

Chemical Class	Analyte	PQL UTL	HHRB Action Level[2]	Borehole Number and Sample Depth Interval (ft)					
				ST-217-01		*ST-217-02*		*ST-217-03*	
				6-8	11-13	6-8	14-16	6-10	11-13
VOC	Acetone	0.1	8000	ND	0.012	ND	ND	0.015	0.016
	Methyl Ethyl Ketone	0.1	48000	0.0024 J	ND	0.0014 J	ND	0.023	0.0015 J
	Methylene Chloride	0.005	93.3	0.0014 J	0.0015 J	0.0012 J	ND	ND	ND
	Toluene	0.005	16000	ND	ND	0.0017 J	ND	ND	ND
SVOC	di-n-Butylphthalate	0.7	8000	0.54	0.55	0.52	0.3	0.4	0.37
	Phenol	0.3	48000	0.6	0.29	ND	0.44	ND	0.5
TPH	Diesel Fraction	10	100	1.1	3.4	0.55	3	0.35	0.22
	Gasoline Fraction	1	100	ND	0.42	ND	ND	0.13	0.12
METALS	Aluminum	13300	N/A	10300	7470	9230	5070	10100	5460
	Barium	496	5600	70.1	37.3	573	27.0	566	459
	Beryllium	0.83	0.2	0.57	0.43	0.58	0.32	0.58	0.44
	Cadmium	N/A	40	ND	ND	ND	ND	ND	1.3
	Calcium	119000	N/A	23400	2000	10900	1530	59700	2770
	Chromium, Total	14.9	400	9.9	8.4	9.0	6.2	10.8	9.5
	Cobalt	11.3	N/A	8.1	6.7	5.8	3.3	6.2	7.0
	Copper	135	N/A	31.3	20.9	17.1	25.0	430	34.0
	Iron	20900	N/A	15800	13700	13600	8050	13200	28600
	Lead	22.9	400	10	7.0	5.2	ND	8.2	5.9
	Magnesium	8730	N/A	5870	3980	4280	2270	4780	2950
	Manganese	435	400	355	228	234	97.7	232	234
	Nickel	54.4	1600	10.2	7.8	8.5	7.5	248	7.7
	Potassium	2730	N/A	1880	1450	1460	998	1820	981
	Sodium	519	N/A	192	109	88.7	81.2	107	70.2
	Vanadium	49.2	720	44.5	33.8	34.7	18.5	36.1	64.4
	Zinc	81.6	24000	51.0	38.6	42.1	31.8	173	50.9
OTHER	Moisture (%)			11.9	7.8	14.0	5.7	13.9	8.3
	pH			9.0	8.5	8.5	8.4	8.4	8.5

Ψ Complete table footnotes can be found after the last table in this section.

1 Complete laboratory analytical results including method detection limits are presented in the ITIR appendices.

2 Action Level Proposed Rule RCRA Subpart S Action Levels (55 FR 30814, 7/27/90).

*; TPH action level is 100 mg/kg adopted from NM UST regulations (USGS 2B Work Plan 3.6, NM El Board, 1990). SW-8015 analyzes volatile and semivolatile petroleum hydrocarbon fractions separately. The total concentration of the two fractions analyzed under 8015 will be used to assess compliance with stipulated action levels for the purpose of this RFI.

PQL; Practical Quantitation Limits (defines VOC, SVOC and TPH).

pCi/g; Picocuries per gram.

VOC; Volatile Organic Compounds.

TPH; Total Petroleum Hydrocarbons.

RAD; Radionuclides.

ND; Not Detected above the method detection limit.

U; Accept data (positive results may be influenced by lab contamination).

RE; Resample.

NA; Not Analyzed

UTL; Upper Tolerance Limits (defines METALS).

HHRB; Human Health Risk Based.

SVOC; Semivolatile Organic Compounds.

FR; Field Replicate.

UJ; Estimated Nondetect.

J; Estimated value.

R; Reject NDs due to interference.

--; No Data.

The SVOCs di-n-butylphthalate and phenol were detected in one or more of the soil samples collected at ST-217. Neither of these compounds was detected at concentrations exceeding HHRB action levels. Phenol and di-n-butylphthalate were detected at the highest concentrations (0.6 and 0.55 mg/kg, respectively) in the background sampling borehole ST-217-01 (Table 19-2).

Petroleum Hydrocarbons

Diesel range hydrocarbons were detected in all soil samples at ST-217 at concentrations ranging from 0.22 to 3.4 mg/kg. Gasoline range hydrocarbons were detected in the 11- to 13-ft sample from the background sampling borehole ST-217-01 and in both samples at ST-217-03 with concentrations ranging from 0.12 to 0.42 mg/kg. The concentrations did not exceed the NMED action level of 100 mg/kg (Table 19-2).

Metals

The 6- to 8-ft soil sample at borehole ST-217-02 contained barium (573 mg/kg) above the UTL concentration of 496 mg/kg but below the HHRB action level of 5,600 mg/kg. The 6- to 10-ft sample interval at ST-217-03 contained concentrations of barium (566 mg/kg), copper (430 mg/kg), and zinc (173 mg/kg) above UTL concentrations but below HHRB action levels. The 11- to 13-ft soil sample at ST-217-03 contained vanadium (64.4 mg/kg) above the UTL concentration of 49.2 mg/kg, but below the HHRB action level of 720 mg/kg.

Beryllium was detected in all samples at concentrations above the HHRB action level of 0.2 mg/kg but below the UTL of 0.83 mg/kg. Beryllium concentrations ranged from 0.32 to 0.58 mg/kg (Table 19-2). These beryllium concentrations may be naturally occurring at Kirtland AFB as discussed in Section 4.2.2.

Soil pH and Moisture

Soil pH ranged from 8.4 to 9.0. Soil moisture values ranged from 5.7 to 13.9 percent (Table 19-2).

19.5 Conclusions and Recommendations

Conclusions

- Four VOCs were detected in the soil samples from ST-217; however, all concentrations were below HHRB action levels. Two SVOCs (phenol and di-n-butylphthalate) were detected at concentrations below the HHRB action levels.

- Diesel range hydrocarbons were detected in all samples and gasoline range hydrocarbons were detected in three samples from ST-217. None of the detections exceeded the NMED action level.

- Beryllium was the only metal detected above the HHRB action level of 0.2 mg/kg; however, it was detected below the UTL of 0.83 mg/kg. These concentrations of beryllium appear to be naturally occurring throughout Kirtland AFB.

- Analytical results are not indicative of a release from ST-217.

Recommendations

- Based on the results of the RFI, no further action is necessary; therefore, Site ST-217 does not require further investigation. A No Further Action proposal should be prepared.

20.0 Site ST-218, Oil/Water Separator

20.1 Site Background and Environmental Setting

OWS ST-218 is in the western portion of Kirtland AFB in an outside alcove on the north side of building 482 (Figure 20-1). Building 482 is an airplane hangar maintenance facility for corrosion control (USGS, 1993). ST-218, a concrete unit with a metal grate cover, is 7 ft long, 3.5 ft wide, and 6.5 ft deep. The unit consists of two compartments separated by wooden baffles. OWS ST-218 receives inflow from drains inside building 482 and discharges south to a southeast flowing sanitary sewer lateral. ST-218 was investigated on April 5, 1994. If this unit overflowed, runoff would drain to the north over an asphalt parking lot.

Building 482 is located in the urban/industrial environmental zone. This environmental setting is discussed in Section 2.0. Two production wells are located near this site: well KAFB-14 is 1,700 ft south-southeast, and well KAFB-12 is 2,100 ft northwest (Figure 2-11).

20.2 Study Area Investigation

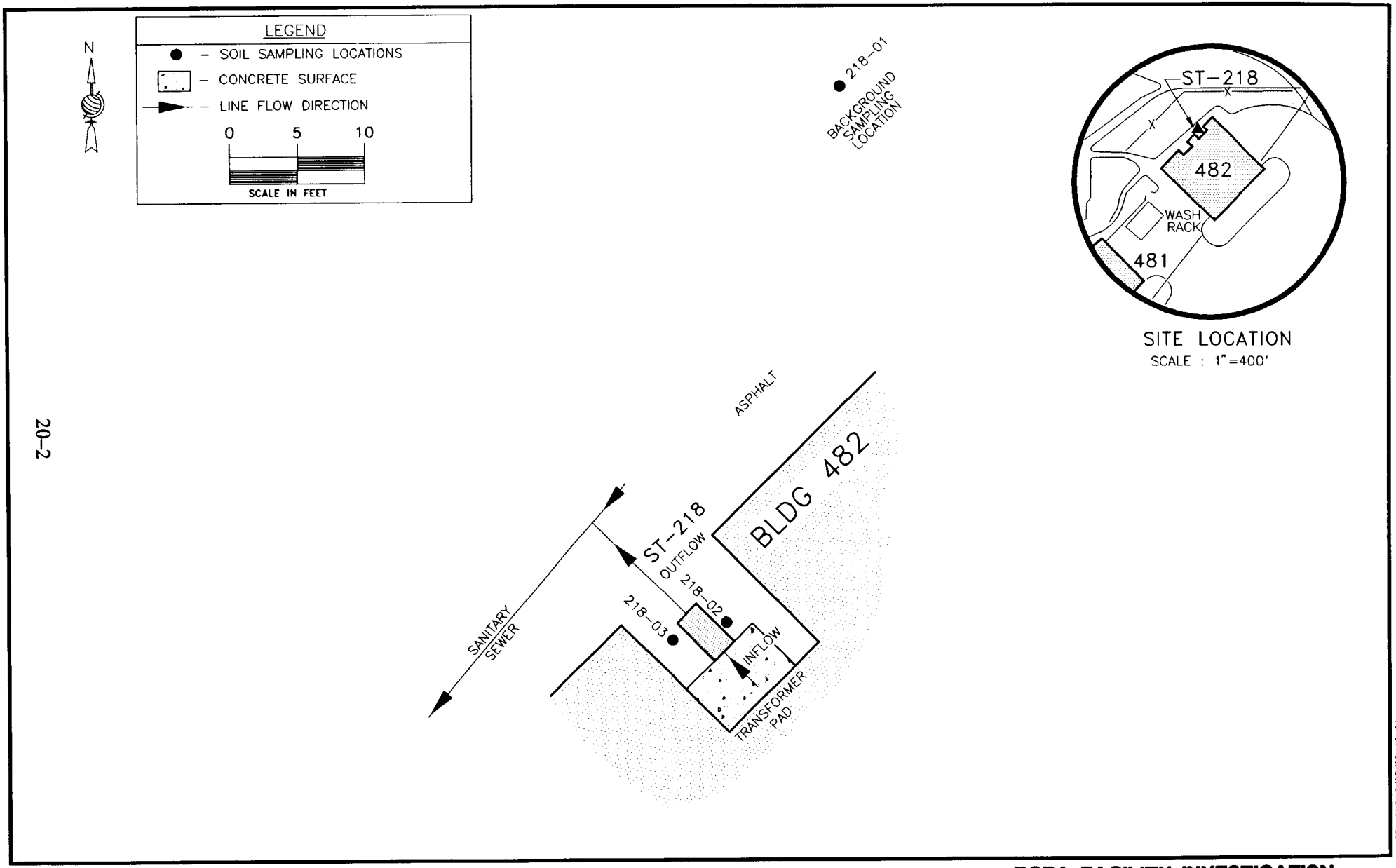
Possible source materials were not investigated in this study. Previous investigations sampled source materials as described below.

20.2.1 Previous Investigations

In 1990, 1991, and 1992, a Kirtland AFB environmental contractor sampled materials (sludge) present in OWS ST-218. A TPH concentration of 1,688.2 mg/kg was reported for the 1991 sampling. The 1992 sample contained 1,688.2 mg/kg TPH and 124 mg/kg TOX. In 1992, a split sample (analyzed by a different laboratory) contained 23,200 mg/kg TPH. Full results for these samplings are presented in Appendix B of the USGS Stage 2B Work Plan (USGS, 1993a).

20.2.2 Data Gaps

The main objective of this investigation was to determine if contamination is present in the subsurface soil adjacent to OWS ST-218. A secondary objective was to determine the OWS outflow and potential surface runoff destinations.



SOIL SAMPLING LOCATIONS AT OIL/WATER SEPARATOR ST-218, BUILDING 482

FIGURE 20-1

RCRA FACILITY INVESTIGATION STAGE 2B KIRTLAND AIR FORCE BASE, NEW MEXICO

20.2.3 RFI Field Investigation

On April 5, 1994, three boreholes were drilled and sampled using a Geoprobe system. One borehole was drilled in the parking lot north of building 482 to collect background concentration data (Figure 20-1). This location was assumed to be in an area away from any known or suspected contamination. The other two boreholes were drilled as close as possible to the OWS inflow and outflow piping (Figure 20-1). Two sample intervals were collected in each borehole: one at a depth equal to, and the other 5 ft below the unit's base (i.e., 7 and 12 ft).

Sampling operations and sample handling procedures are described in Section 3.0. Borehole locations, sample depths, and replicate samples collected at OWS ST-218 are shown in Table 20-1. Borehole logs are in Appendix C.

Table 20-1. Boreholes and Samples Collected at OWS ST-218, Building 482

Site	Borehole	Borehole Location	Sample Depths (ft)
ST-218	01	Background sampling location	7-9
			12-14
	02	Near OWS inflow	7-11[a]
			12-14
	03	Near OWS outflow	7-9
			12-14

a. Replicate sample also collected in this depth interval.

20.2.4 Laboratory Analysis

Seven soil samples, including replicates, were collected at this site. These samples were analyzed for VOCs, SVOCs, TPH, metals, mercury (the expected contaminants associated with normal operations at this building), soil pH, and soil moisture. The four brass tubes in each 2-ft sample interval were field screened for possible contamination using gamma and beta-gamma meters, and a PID. No readings above background values were measured with these instruments.

20.3 Site Characteristics

20.3.1 Geology

The building 482 area is underlain by unconsolidated alluvial sediments. The sediments are predominantly silty sands to sandy silt with very-fine-grained to fine-grained sands. Caliche was present in all boreholes as light- to heavily-stained zones and patches. Three 14-ft-deep boreholes were drilled at building 482. No boreholes penetrated into the Santa Fe Group sediments that presumably underlie this area. A discussion of the general geology at Kirtland AFB is presented in Section 2.4.

As a result of OWS installation, it is probable that backfill material is present adjacent to the separator to a depth equal to the unit's depth. Borehole logs for this area are presented in Appendix C.

20.3.2 Hydrogeology

Groundwater beneath ST-218 is found within the Upper Santa Fe sediments and is generally thought to be unconfined in the upper portion of the aquifer. This area is within the HR1 saturated zone setting as defined by SNL studies (Figure 2-9) (SNL, 1994). Hydrologic characterization in this portion of Kirtland AFB is complicated by the presence of numerous production wells (Figure 2-11). It is probable that uniform groundwater conditions do not exist in this region. Local cones of depression associated with groundwater withdrawal have altered the groundwater flow direction in the vicinity of the well fields (Figure 2-7).

It is probable that the gradient is to the northeast. Two production wells are located near ST-218: well KAFB-14 is 1,700 ft south-southeast, and well KAFB-12 is 2,100 ft northwest of building 482. Both wells are cross gradient of ST-218 (Figures 2-7 and 2-11). Depth to groundwater is estimated to be approximately 350 ft below grade (Figure 2-10); however, shallower perched water zones may occur. Hydraulic conductivity within HR1 is estimated at 2 to 171 ft/day (SNL, 1994). A general discussion of the hydrogeology at Kirtland AFB is presented in Section 2.5.

20.4 Nature and Extent of Contamination

The following section describes the nature and extent of contamination based on sampling results. Analytical results for soil samples at OWS ST-218 are summarized in Table 20-2, where only the reportable concentrations are listed. Full analytical results are presented in Appendix G. Laboratory validation reports are presented in Appendix K.

Table 20-2. Summary of Reportable Concentrations for Soil Analyses at OWS ST-218 Bldg. 482, Kirtland AFB, New Mexico[Ψ,1]
[Concentrations (mg/kg)]

Chemical Class	Analyte	PQL UTL	HHRB Action Level[2]	Borehole Number and Sample Depth Interval (ft)						
				ST-218-01		*ST-218-02*			*ST-218-03*	
				7-9	12-14	7-11	7-11 FR	12-14	7-9	12-14
VOC	Acetone	0.1	8000	0.035 U	0.019	0.024	0.021	0.02	0.011	0.013
	2-Hexanone	0.05	N/A	0.027	ND	ND	ND	ND	ND	ND
	Methyl Ethyl Ketone	0.1	48000	0.011 U	ND	0.0019 J	ND	ND	ND	0.0042 J
	Methyl Isobutyl Ketone	0.05	N/A	0.0016 J	ND	0.0033 J	0.0025 J	0.0018 J	0.0027 J	0.0013 J
	Methylene Chloride	0.005	93.3	ND	ND	0.0033 J	ND	0.0029 J	0.0034	0.0028 J
	Toluene	0.005	16000	ND	ND	ND	ND	ND	0.0036	ND
SVOC	Phenol	0.3	48000	ND	ND	ND	0.19	ND	0.16	ND
TPH	Diesel Fraction	10	100	ND	9.9	ND	ND	ND	ND	ND
METALS	Aluminum	13300	N/A	10300	9870	11200	9410	7970	9210	13000
	Arsenic	N/A	0.4	11.9 J	ND	11.7	ND	6.5	ND	ND
	Barium	496	5600	165	45.6	169	501	87.6	370	101
	Beryllium	0.83	0.2	0.67	0.66	0.68	0.67	0.53	0.46	0.8
	Cadmium	N/A	40	ND UJ	ND	ND	ND	ND	ND	0.8
	Calcium	119000	N/A	59500 J	9680	58400	80200	31400	126000	8000
	Chromium, Total	14.9	400	10.9 J	8.6	9.3	9.1	7.1	7.2	11.4
	Cobalt	11.3	N/A	5.9	7.9	7.6	5.6	6.4	4.0	10.5
	Copper	135	N/A	17.9 J	18.2	18.1	19.7	12.5	33.4	43.3
	Iron	20900	N/A	12300 J	15900	12900	10600	11500	9000	18100
	Lead	22.9	400	8.2	8.8	7.9	8.9	4.6	6.7	9.2
	Magnesium	8730	N/A	4890	5550	5140	4960	4430	4780	6580
	Manganese	435	400	240	401	258	191	246	129	437
	Nickel	54.4	1600	10.4	11.8	10.4	8.9	8.2	5.2	17.2
	Potassium	2730	N/A	1860	2060	2000	1880	1940	1760	2550
	Sodium	519	N/A	274	415	97.1	97.5	90.5	104	109
	Vanadium	49.2	720	41.0	39.4	41.5	38.8	29.7	31.4	40.9
	Zinc	81.6	24000	36.6 J	47.8	36.3	31.7	34.2	35.3	65.4
OTHER	Moisture (%)			10.3	8.8	11.4	10.3	6.4	12.2	12.2
	pH			8.2	8.2	8.0	8.0	8.2	8.2	8.1

Ψ Complete table footnotes can be found after the last table in this section.

1 Complete laboratory analytical results including method detection limits are presented in the ITIR appendices.

2 Action Level Proposed Rule RCRA Subpart S Action Levels (55 FR 30814, 7/27/90).

*; TPH action level is 100 mg/kg adopted from NM UST regulations (USGS 2B Work Plan 3.6, NM EI Board, 1990). SW-8015 analyzes volatile and semivolatile petroleum hydrocarbon fractions separately. The total concentration of the two fractions analyzed under 8015 will be used to assess compliance with stipulated action levels for the purpose of this RFI.

PQL; Practical Quantitation Limits (defines VOC, SVOC and TPH).

pCi/g; Picocuries per gram.

VOC; Volatile Organic Compounds.

TPH; Total Petroleum Hydrocarbons.

RAD; Radionuclides.

ND; Not Detected above the method detection limit.

U; Accept data (positive results may be influenced by lab contamination).

RE; Resample.

NA; Not Analyzed

UTL; Upper Tolerance Limits (defines METALS).

HHRB; Human Health Risk Based.

SVOC; Semivolatile Organic Compounds.

FR; Field Replicate.

UJ; Estimated Nondetect.

J; Estimated value.

R; Reject NDs due to interference.

--; No Data.

Organic Compounds

The following VOC analytes were detected in one or more of the soil samples collected at ST-218: acetone, 2-hexanone, methyl ethyl ketone, methyl isobutyl ketone, methylene chloride, and toluene (Table 20-2). None of these compounds was detected at levels exceeding HHRB action levels. These compounds were also detected in associated QC samples and are believed to be the result of laboratory contamination as discussed in Section 3.5.1. The SVOC phenol was detected in two samples at this site. The concentrations were below the HHRB action level (Table 20-2).

Petroleum Hydrocarbons

Diesel range hydrocarbons were detected in only one soil sample from ST-218. The 12- to 14-ft sample from the background borehole ST-218-01 contained 9.9 mg/kg of diesel range hydrocarbons. This concentration is below the NMED action level of 100 mg/kg (Table 20-2).

Metals

Beryllium, arsenic, and manganese were the only metals detected in samples at concentrations greater than the HHRB action levels. Beryllium was present in all samples at concentrations ranging from 0.46 to 0.8 mg/kg, above the HHRB action level of 0.2 mg/kg but below the UTL of 0.83 mg/kg. Arsenic was detected in two samples from borehole ST-218-02 at 11.7 and 6.9 mg/kg and was also present in the 7- to 9-ft sample from the background sampling borehole ST-218-01 at 11.9 mg/kg, all above the HHRB action level of 0.4 mg/kg. Manganese was detected in the 12- to 14-ft sample from borehole ST-218-03 at 437 mg/kg, above the HHRB action level of 400 mg/kg (Table 20-2). These concentrations of beryllium, arsenic, and manganese may be naturally occurring at Kirtland AFB as discussed in Section 4.2.2

Soil pH and Moisture

Soil pH ranged from 8 to 8.2. Soil moisture ranged from 6.4 to 12.2 percent (Table 20-2).

20.5 Conclusions and Recommendations

Conclusions

- Six VOCs were detected in the soil samples from ST-218; however, all concentrations were below HHRB action levels. No SVOCs were detected in any of the site soil samples.

- Diesel range hydrocarbons (9.9 mg/kg) were detected in one sample from the background sampling borehole. Concentrations did not exceed the NMED action level of 100 mg/kg. The source for these hydrocarbons is unknown.

- Beryllium was present in every site sample above the HHRB action level of 0.2 mg/kg, but below the UTL of 0.83 mg/kg. Arsenic was present in three samples at this site including one from the background sampling borehole at concentrations exceeding the HHRB action level. Manganese was present in one soil sample at concentrations above the HHRB action level. These concentrations of beryllium, arsenic, and manganese appear to be naturally occurring throughout Kirtland AFB.

- ST-218 analytical results are not indicative of a release from this unit.

Recommendations

- Based on the findings of the RFI, no further action is necessary; therefore, Site ST-218 does not require further investigation. A No Further Action proposal should be prepared.

21.0 Site ST-219, Oil/Water Separator

21.1 Site Background and Environmental Setting

OWS ST-219 is outdoors in the western portion of Kirtland AFB, adjacent to the flight-line between hangars 481 and 482 (Figure 21-1). The OWS is made of concrete, has a metal grate cover, and is 9 ft long, 7.6 ft wide, and 7 ft deep. Inflow is from a drain in the flight-line about 65 ft to the southeast. This area of the flight-line is sometimes used for aircraft washing. A second inflow line apparently connects to a floor drain in a nearby hazardous materials storage unit (Figure 21-1). Although the storage unit is still operational, site personnel have indicated that the floor drain has been plugged. There have not been any known discharges from this storage unit to the OWS. Discharge from ST-219 is northeast to a sanitary sewer line (Figure 21-1). The discharge line has a shutoff valve about 12 ft away from the OWS. If the OWS were to overflow, runoff would flow to the asphalt parking lot to the north. Only an exceptional flooding episode would create enough runoff to reach storm sewer drains along Aberdeen Drive (over 250 ft northwest of ST-219).

The sampling team observed large cracks in the north wall of the OWS. These cracks have allowed fluids to enter the surrounding soil. The northern portion of the unit has reportedly dropped 3 in. by undermining due to water piping (USGS, 1993a).

This unit has been removed, and a bypass connecting the area drain to the storm sewer sanitary sewer from the area drain was installed in October 1994.

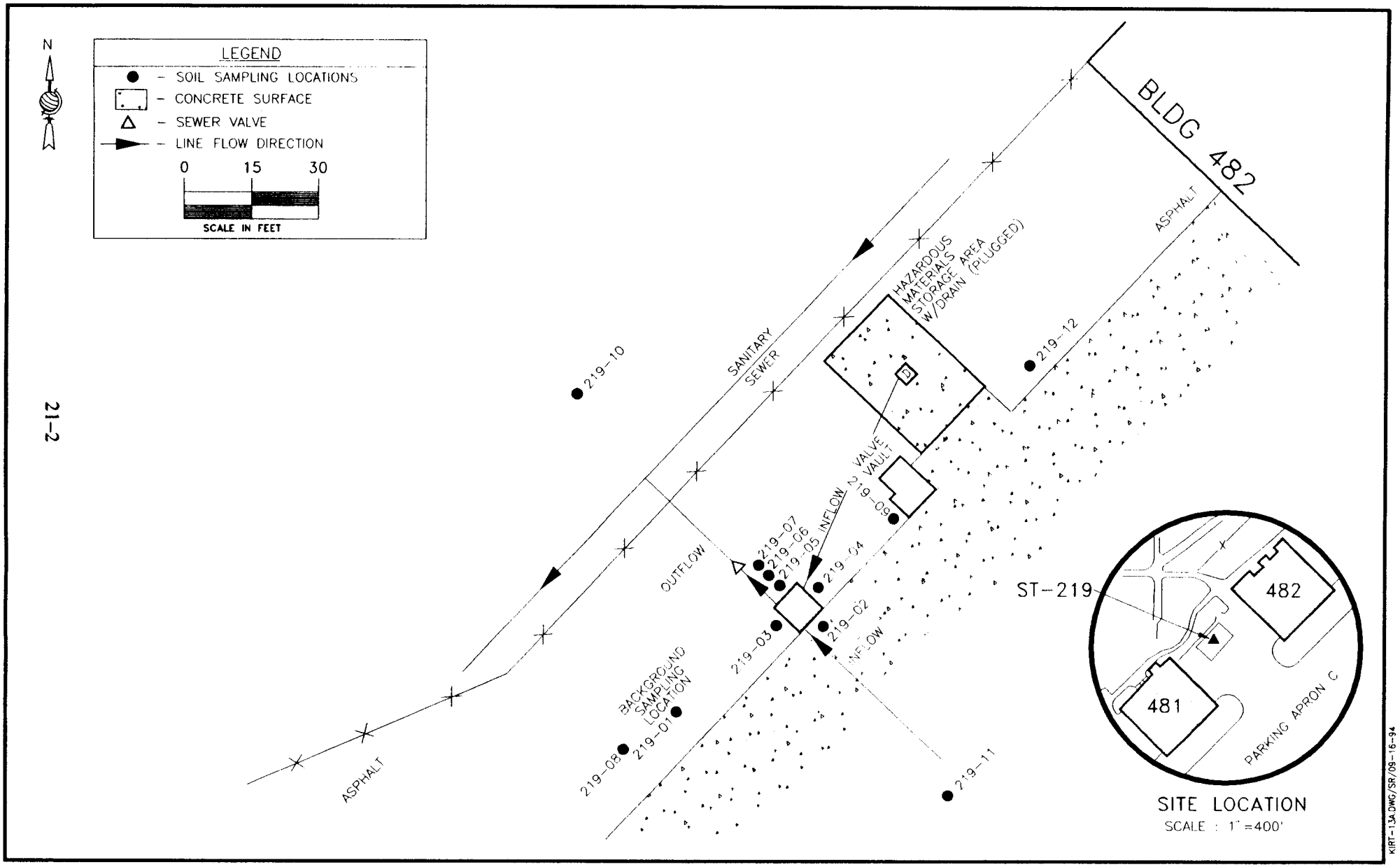
ST-219 is located in the urban/industrial environmental zone, which is discussed in Section 2.0. Two production wells are in this area of Kirtland AFB: KAFB-14 is 1,550 ft south-southeast and KAFB-12 is 2,150 ft northwest (Figure 2-11).

21.2 Study Area Investigation

Possible source materials were not investigated in this study. Previous investigations sampled source materials as described below.

21.2.1 Previous Investigations

In 1990, 1991, and 1992, a Kirtland AFB environmental contractor sampled fluids present in OWS ST-219 (Table 21-1). In 1992, 1.2 mg/kg of cadmium and 10.8 mg/kg of chromium were detected. Both metals were over the RCRA toxicity limits of 1 and 5 mg/kg, respectively. Full results for these samplings are presented in Appendix B of the USGS Stage 2B Work Plan (USGS, 1993a).



SOIL SAMPLING LOCATIONS AT OIL/WATER SEPARATOR ST-219, BUILDING 481/482

FIGURE 21-1

RCRA FACILITY INVESTIGATION STAGE 2B KIRTLAND AIR FORCE BASE, NEW MEXICO

Table 21-1. Reportable Analytes in Oil/Water Separator ST-219

Site	Year	TPH (mg/kg)	TOX (mg/kg)	Chromium (mg/kg)	Cadmium (mg/kg)	Lead (mg/kg)	Barium (mg/kg)	Silver (mg/kg)
ST-219	1990	0.21	570	0.02	ND	0.02	0.1	0.05
	1992	17.7	35.0	10.8	1.2	ND	ND	ND

ND = Not Detected.

21.2.2 Data Gaps

The main objective of this investigation was to determine if contamination is present in the subsurface soil adjacent to OWS ST-219. A secondary objective was to determine the OWS outflow and potential surface overflow destinations.

21.2.3 RFI Field Investigation

Because this OWS is a known release site, the field investigation proceeded in two phases. The first phase of the investigation followed the USGS Stage 2B Work Plan with the following exception: an additional, deeper sample was collected in the four boreholes adjacent to the OWS, and a sixth borehole was drilled to a depth of 107 ft in an attempt to define the vertical extent of contamination. The second phase of the investigation involved drilling and sampling six additional, deeper boreholes with a hollow-stem auger drill rig in an attempt to define the vertical and lateral extent of contamination.

On April 19-20, 1994, the first five boreholes were drilled and sampled using a Geoprobe system. Borehole ST-219-01 was drilled southwest of the OWS to collect background concentration data. This location was assumed to be in an area away from any known or suspected contamination. Borehole ST-219-02 was drilled adjacent to the OWS inflow pipe. Borehole ST-219-05 was drilled next to the outflow pipe and the cracks in the OWS's wall. The sixth borehole, ST-219-06, was drilled adjacent to ST-219-05 on June 16-17, 1994 (Figure 21-1).

During July 8-9 and 21-27, 1994, the hollow-stem auger (HSA) drilling phase completed six deep boreholes at and around the OWS. Borehole ST-219-07 was drilled adjacent to the two Geoprobe boreholes on the north side of the OWS. Borehole ST-219-08 was drilled near the Geoprobe background sampling borehole ST-219-01. Boreholes ST-219-09, ST-219-10, ST-219 -11, and ST-219-12 were drilled at distances up to 70 ft away from the OWS in an attempt to delineate the vertical and lateral extent of contamination (Figure 21-1).

At a minimum, Geoprobe borehole samples were collected at depths equal to, and 5 ft below the OWS base (i.e., 7 and 12 ft). However, because of noticeable odors, stained soil, and elevated PID/FID readings in most samples, an additional sample was collected 15 ft below the OWS base (i.e., 22 ft). Geoprobe borehole ST-219-06 was drilled and sampled about every 10 ft to a depth of 107 ft. HSA boreholes were generally sampled every 10 ft to a depth of 102 ft, except for ST-219-07. This borehole was drilled near the cracked OWS wall and was sampled every 10 ft from 74 to 152 ft.

Sampling operations and sample handling procedures are discussed in Section 3.0. Borehole locations, sample depths, and replicate samples collected at OWS ST-219 are shown in Table 21-2. Borehole logs are in Appendix C.

21.2.4 Laboratory Analysis

Ninety-two soil samples were collected at this site. These samples were analyzed for VOCs, SVOCs, TPH, metals, mercury (the expected contaminants associated with operations at this facility), soil pH, and soil moisture. Samples from boreholes ST-219-08, ST-219-09, ST-219-10, ST-219-11, and ST-219-12 were also analyzed for TCLP metals and ignitability. The four brass tubes in each 2-ft sample interval were field screened for possible contamination using gamma and beta-gamma meters, a PID, and an FID. Elevated PID and FID readings were measured in all but one sample collected at this site. The brass tube with the highest PID/FID reading measured in the sample interval was submitted for VOC analysis. The highest readings measured for sample intervals are listed in Table 21-2.

21.3 Site Characteristics

21.3.1 Geology

The ST-219 area is underlain by unconsolidated alluvial sediments. The sediments range from clays to gravels. The uppermost 25 ft are predominantly very fine-grained to fine-grained sands and silty sands with occasional 2-ft to 3-ft-thick gravel and clay layers. Below a depth of 25 ft, coarser grained materials become more prevalent and bed thickness apparently increases. Several silty clay, clayey silt, and clay horizons underlie this area and apparently act as aquitards (Figures 21-2 and 21-3). It is possible that the deeper, 100+ ft boreholes penetrated into the uppermost Santa Fe Group sediments that presumably underlie this area. A discussion of the general geology at Kirtland AFB is presented in Section 2.4.

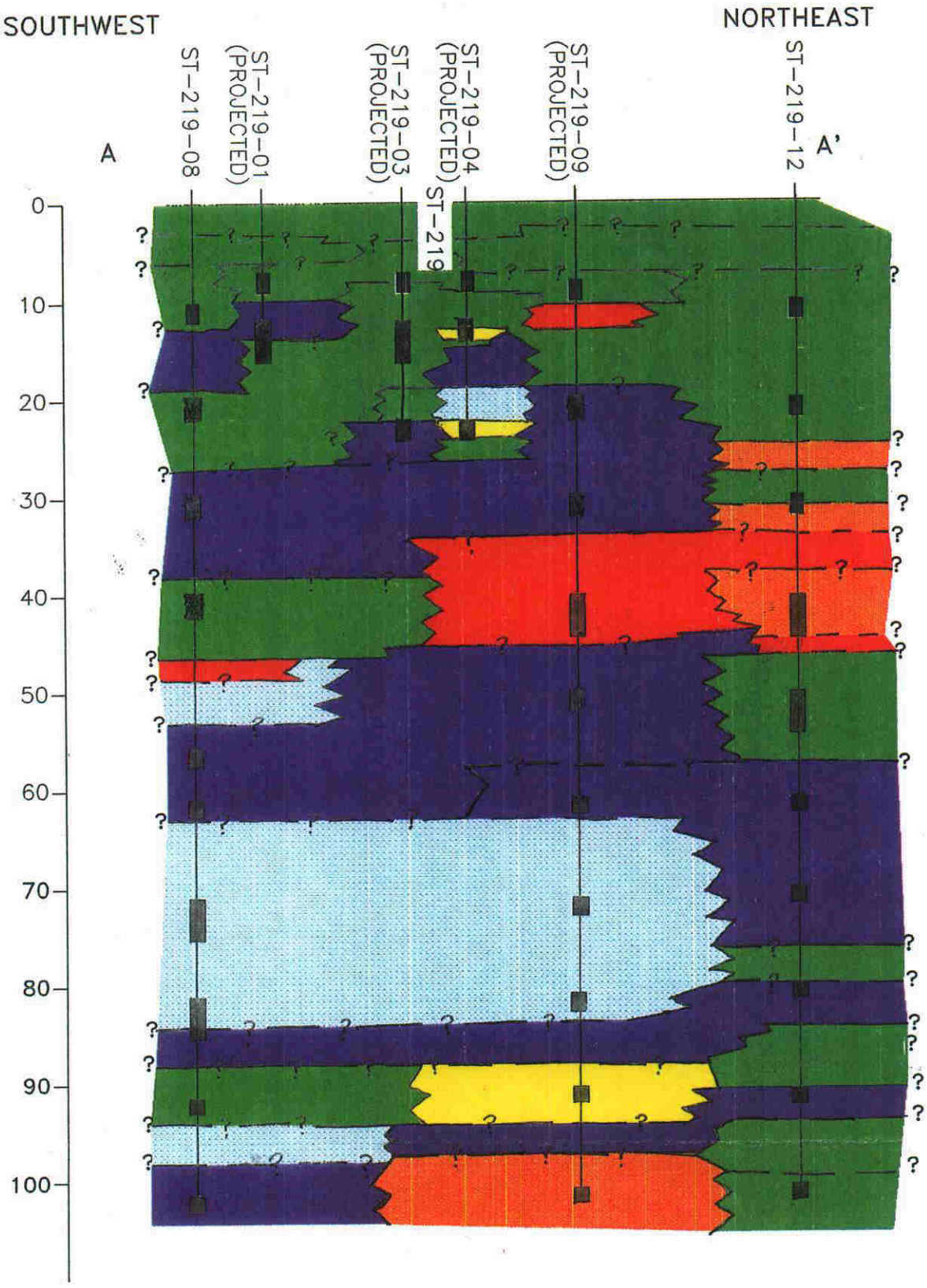
Table 21-2. Boreholes and Samples Collected at OWS ST-219

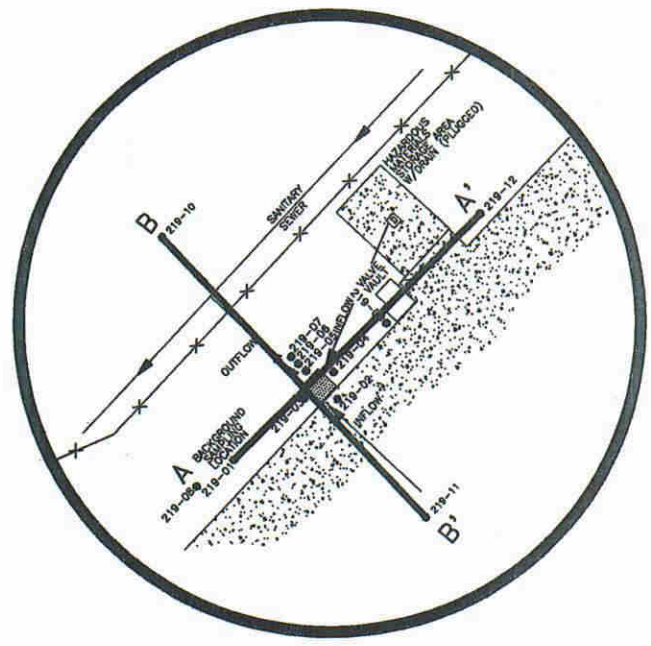
Site	Borehole	Borehole Location	Sample Depths (ft)	PID/FID (ppm_v)[a,b]
ST-219	01	Background sampling location	7-9	[c]/0
			12-16	[c]/9
	02	Near OWS inflow	7-11[d]	[c]/600
			12-14	[c]/200
			22-24	[c]/200
	03	West side of OWS	7-9	[c]/450
			12-16	[c]/325
			22-24	[c]/250
	04	East side of OWS	7-9	[c]/10,000
			12-14	[c]/2,000
			22-24	[c]/300
	05	Near OWS outflow and cracks in separator wall	7-11[d]	[c] 1,500
			12-15	[c] 800
			22-25	[c] 2,500
	06	Adjacent to cracks in OWS wall to define vertical extent	7-9	100/260
			12-14	220/650
			24-26	200/400
			32-34	80/40
			42-44	220/1,500
			52-54	120/350
			74-76	100/325
			85-87	50/175
			95-99[d]	80/375
			105-107	120/1,010
	07[e]	Deeper borehole near OWS outflow and cracks in separator wall	74-76	[c] 400
			80-82	[c]/600
			90-92	[c] 550
			100-102	[c] 160
			110-112	[c] 225
			120-122	[c] 9
			130-132	[c] 16
			140-144[d]	[c]/27
			150-152	[c]/2
	08[e]	Near borehole ST-219-01 to define lateral and vertical extent	10-12	[c]/12
			20-22	[c]/20
			30-32	[c]/25
			40-42	[c]/20
			55-57	[c]/12
			60-62	[c]/10
			70-74[d]	[c]/1,250
			80-84	[c]/50
			90-92	[c]/15
			100-102	[c]/1.5

Table 21-2. (continued) Boreholes and Samples Collected at OWS ST-219

Site	Borehole	Borehole Location	Sample Depths (ft)	PID/FID (ppm_v)[a,b]
ST-219	09[e]	30 ft northeast of OWS	8-10	[c]/500
			20-22	[c]/600
			30-32	[c]/1,400
			40-44	[c]/1,100
			50-52	[c]/400
			60-62	[c]/1,400
			70-72	[c]/1,100
			80-82	[c]/1,100
			90-92	[c]/700
			100-102	[c]/1,000
	10[e]	90 ft northwest of OWS	10-12	[c]/4
			20-22	[c]/8
			30-34[d]	[c]/5
			40-42	[c]/2
			50-52	[c]/15
			60-62	[c]/8
			70-72	[c]/12
			80-82	[c]/5
			90-92	[c]/20
			100-102	[c]/7
	11[e]	50 ft southeast of OWS	10-12	[c]/50
			20-24[d]	[c]/2,500
			30-34	[c]/225
			40-42	[c]/150
			50-52	[c]/55
			60-62	[c]/6
			70-72	[c]/3
			80-82	[c]/4
			90-94[d]	[c]/2
			100-102	[c]/3
	12[e]	70 ft northeast of OWS	10-12	[c]/4
			20-22	[c]/3
			30-32	[c]/5
			40-44[d]	[c]/3
			50-54	[c]/45
			60-62	[c]/30
			70-72	[c]/5
			80-82	[c]/6
			90-92	[c]/9
			100-102	[c]/3

a. ppm_v = parts per million volume (ml/L) as isobutylene for the PID and as methane for the FID.
b. PID and FID readings are values above ambient background air readings.
c. Instrument not used for screening this sample.
d. Replicate sample also collected in this depth interval.
e. Borehole drilled with hollow-stem auger drill rig.





SITE LOCATION
SCALE : 1"=150'

LEGEND

—— ——? —— GEOLOGIC CONTACT
DASHED WHERE INFERRED
QUERIED WHERE UNKNOWN

BOREHOLE IDENTIFICATION

ST-219-09

SAMPLE INTERVAL

(GW) GRAVEL AND SANDY GRAVEL

(SP) SAND, WELL SORTED, GENERALLY VERY FINE TO FINE GRAINED ABOVE 50 FT, MEDIUM TO COARSE GRAINED BELOW 50 FT.

(SW) SAND, POORLY SORTED, GENERALLY VERY FINE TO FINE GRAINED WHEN IN UNITS <10 FT THICK. MEDIUM TO COARSE GRAINED WHEN IN UNITS >10 FT THICK.

(SM) SILTY SAND, GENERALLY VERY FINE TO FINE GRAINED.

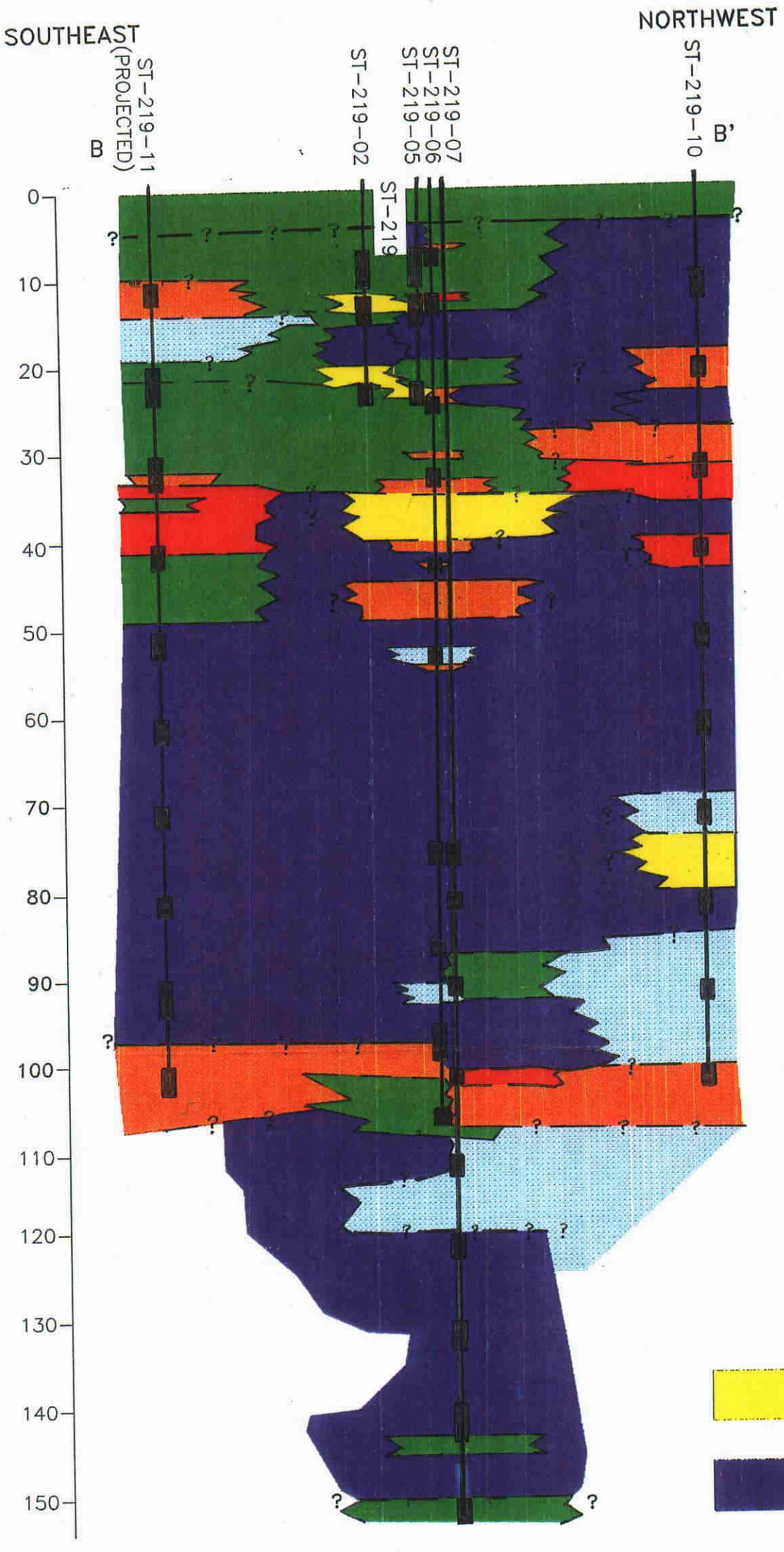
(ML) SILT AND CLAYEY SILT

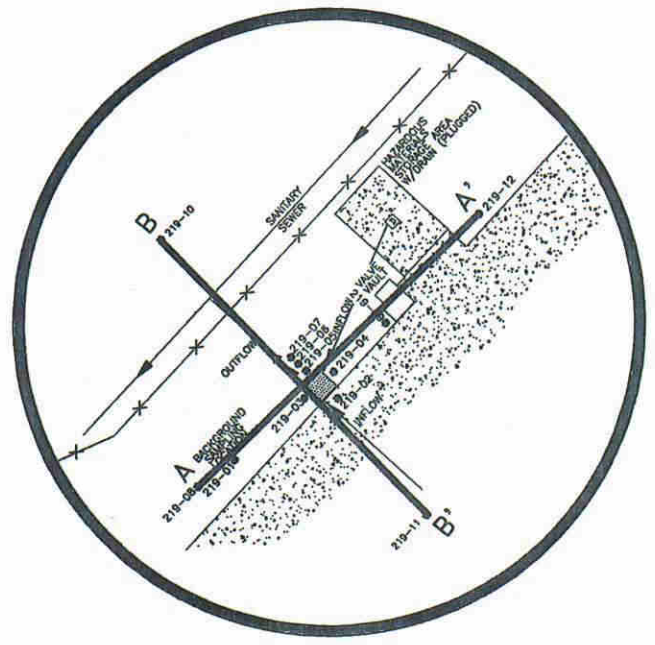
(CL) CLAY, STIFF, OCCASIONALLY SANDY OR GRAVELLY.

FIGURE 21-2

CROSS-SECTION A-A'
AT ST-219, BUILDING 481/482
KIRTLAND AIR FORCE BASE, NEW MEXICO

HORIZONTAL SCALE: 1" = 30'
VERTICAL SCALE: 1" = 15'
VERTICAL EXAGGERATION = 2X





SITE LOCATION
SCALE : 1"=150'

LEGEND

(GW)	GRAVEL AND SANDY GRAVEL
(SP)	SAND, WELL SORTED, GENERALLY VERY FINE TO FINE GRAINED ABOVE 50 FT, MEDIUM TO COARSE GRAINED BELOW 50 FT.
(SW)	SAND, POORLY SORTED, GENERALLY VERY FINE TO FINE GRAINED WHEN IN UNITS <10 FT THICK. MEDIUM TO COARSE GRAINED WHEN IN UNITS >10 FT THICK.
(SM)	SILTY SAND, GENERALLY VERY FINE TO FINE GRAINED.
(ML)	SILT AND CLAYEY SILT
(CL)	CLAY, STIFF, OCCASIONALLY SANDY OR GRAVELLY.

— — —? — — GEOLOGIC CONTACT
DASHED WHERE INFERRED
QUERIED WHERE UNKNOWN

ST-219-09 BOREHOLE IDENTIFICATION

SAMPLE INTERVAL

HORIZONTAL SCALE: 1" = 30'
VERTICAL SCALE: 1" = 15'
VERTICAL EXAGGERATION = 2X

FIGURE 21-3

CROSS-SECTION B-B'
AT ST-219, BUILDING 481/482
KIRTLAND AIR FORCE BASE, NEW MEXICO

In boreholes adjacent to the OWS, it is probable that backfill material is present to a depth at least equal to the OWS depth. Borehole logs for this area are presented in Appendix C.

21.3.2 Hydrogeology

Groundwater beneath this area is found within the Upper Santa Fe sediments and is generally thought to be approximately in the upper portion of the aquifer. This area is within the HR1 saturated zone setting as defined by SNL studies (Figure 2-9) (SNL, 1994). Hydrologic characterization in this portion of Kirtland AFB is complicated by the presence of numerous production wells (Figure 2-11). It is probable that uniform groundwater conditions do not exist in this region. Local cones of depression associated with groundwater withdrawal have altered the groundwater flow direction in the vicinity of the well fields (Figure 2-7).

It is probable that the gradient is northeasterly in this area. Two production wells are located in this area of Kirtland AFB. Well KAFB-12 is cross gradient about 2,150 ft northwest and KAFB-14 is cross gradient about 1,550 ft southeast (Figures 2-7 and 2-11). Depth to groundwater is estimated to be about 350 ft below grade; however, shallower perched water zones may occur (Figure 2-10). Hydraulic conductivity within HR1 is estimated at 2 to 171 ft/day (SNL, 1994). A general discussion of the hydrogeology at Kirtland AFB is presented in Section 2.5.

21.4 Nature and Extent of Contamination

The following section describes the extent of contamination based on sampling results. Analytical results for soil samples at OWS ST-219 are summarized in Table 21-3, where only the reportable concentrations of detected analytes are listed. Full analytical results are presented in Appendix G. Laboratory validation reports are presented in Appendix K.

Organic Compounds

The following VOC analytes were detected in one or more of the soil samples collected at ST-219: acetone, benzene, bromomethane, carbon disulfide, 2-hexanone, chlorobenzene, trans-1,2-dichloroethene, ethylbenzene, methyl ethyl ketone, methylene chloride, methyl isobutyl ketone, styrene, tetrachloroethylene, toluene, trichloroethylene, and xylenes (Table 21-3). Several VOCs (acetone, methyl ethyl ketone, methylene chloride, methyl isobutyl ketone, toluene, xylenes, ethylbenzene, chlorobenzene, and 2-hexanone) present at trace concentrations or as isolated detections were found in associated QC samples and may be the result of laboratory contamination as described in Section 3.5.1. Only tetrachloroethylene (0.003 to 7,200 mg/kg) and trichloroethylene

Table 21-3. Summary of Reportable Concentrations for Soil Analyses at OWS ST-219 Bldg. 481/482, Kirtland AFB, New Mexico[Ψ,1]
[Concentrations (mg/kg)]

Chemical Class	Analyte	PQL UTL	HHRB Action Level[2]	Borehole Number and Sample Depth Interval (ft)					
				ST-219-01		*ST-219-02*			
				7-19	*12-16*	*7-11*	*7-11 FR*	*12-14*	*22-24*
VOC	Acetone	0.1	8000	0.018	0.015	0.33	0.28	0.092	0.57
	Benzene	0.005	24.1	ND	ND	ND	ND	ND	ND
	Bromomethane	0.01	32	ND	ND	ND	ND	ND	ND
	Carbon Disulfide	0.005	8000	ND	ND	ND	ND	0.0019 J	ND
	2-Hexanone	0.05	N/A	ND	ND	ND	ND	ND	ND
	Chlorobenzene	0.005	2160	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	0.005	N/A	ND	ND	ND	ND	ND	ND
	Ethylbenzene	0.005	8000	ND	ND	ND	ND	ND	ND
	Methyl Ethyl Ketone	0.1	48000	ND	ND	ND	ND	0.0025 J	ND
	Methyl Isobutyl Ketone	0.05	N/A	ND	ND	ND	ND	ND	ND
	Methylene Chloride	0.005	93.3	ND	0.0016 J	ND	ND	ND	ND
	Styrene	0.005	20000	ND	ND	ND	ND	ND	ND
	Tetrachloroethylene	0.005	800	ND	ND	0.02 J	ND	ND	ND
	Toluene	0.005	16000	0.0039	0.0011 J	0.43	0.16	0.0072	ND
	Trichloroethylene	0.005	63.6	ND	ND	0.02	ND	ND	ND
	Total Xylenes	0.005	160000	ND	ND	0.09	0.071	0.003 J	ND
SVOC	Bis(2-Ethylhexyl)phthalate	0.7	50	ND	ND	1	ND	ND	ND
	di-n-Butylphthalate	0.7	8000	0.49	0.64	0.61	ND	ND	0.34
	2-Methylnaphthalene	0.7	3200	ND	ND	1.9	ND	ND	ND
	Naphthalene	0.7	3200	ND	ND	3.2	ND	ND	ND
	Phenol	0.3	48000	ND	0.19	ND	ND	ND	ND
TPH	Diesel Fraction	10	100	3.7	4	1700	29	2.6	1.7
	Gasoline Fraction	1	100	ND	ND	10	14	3.7	6.9

Ψ Complete table footnotes can be found after the last table in this section.

Chemical Class	Analyte	PQL UTL	HHRB Action Level[2]	Borehole Number and Sample Depth Interval (ft)					
				ST-219-01		*ST-219-02*			
				7-19	*12-16*	*7-11*	*7-11*	*12-14*	*22-24*
METALS	Aluminum	13300	N/A	9670	10100	11900 J	7880	14300	6360
	Antimony	N/A	32	ND	ND	ND UJ	ND	ND	ND
	Arsenic	N/A	0.4	ND	ND	ND UJ	ND	ND	ND
	Barium	496	5600	183	54.7	1820 J	189	243	74.5
	Beryllium	0.83	0.2	0.67	0.65	0.71	0.57	0.9	0.45
	Cadmium	N/A	40	ND	ND	ND	ND	0.68	0.56
	Calcium	119000	N/A	22500	5410	53000 J	14900	13600	11500
	Chromium, Total	14.9	400	10.0	9.7	15.4	9.5	13.7	9.6
	Cobalt	11.3	N/A	7.4	6.4	13.4 J	6.4	10.3	8.5
	Copper	135	N/A	56.3	22.4	48.6 J	55.5	59.8	158
	Iron	20900	N/A	14000	15500	15400 J	14500	23000	17000
	Lead	22.9	400	9.5	6.5	9.1	9.0	13.3	5.0
	Magnesium	8730	N/A	5300	4820	5380	4060	7020	4150
	Manganese	435	400	277	289	323	383	412	263
	Mercury	N/A	20	ND	ND	ND	ND	ND	ND
	Nickel	54.4	1600	9.7	7.7	12.3	9.4	14.1	9.7
	Potassium	2730	N/A	1780	2040	2460 J	1520	2970	2020
	Selenium	N/A	400	ND	ND	ND	ND	ND	ND
	Sodium	519	N/A	249	358	105 J	82.4	133	94.2
	Silver	N/A	400	ND	ND	ND	ND	ND	ND
	Vanadium	49.2	720	38.6	39.5	49.7	38.1	49.9	38.0
	Zinc	81.6	24000	63.7	45.8	51.2 U	52.7	81.9	100
OTHER	Moisture (%)			10.9	8.0	13.5	12.9	11.4	10.2
	pH			8.9	8.9	8.1	8.3	8.5	8.8

Chemical Class	Analyte	PQL / UTL	HHRB Action Level[2]	Borehole Number and Sample Depth Interval (ft)									
				ST-219-03			*ST-219-04*			*ST-219-05*			
				7-9	12-16	22-24	7-9	12-14	22-24	7-11	7-11 FR	12-15	22-25
VOC	Acetone	0.1	8000	ND	ND UJ	ND	ND	ND	ND UJ	2 J	ND	ND	ND
	Benzene	0.005	24.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromomethane	0.01	32	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon Disulfide	0.005	8000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Hexanone	0.05	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	0.005	2160	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	0.005	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene	0.005	8000	0.61	0.21 J	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Ethyl Ketone	0.1	48000	ND	ND	ND	ND	ND	0.054 J	ND	ND	ND	ND
	Methyl Isobutyl Ketone	0.05	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methylene Chloride	0.005	93.3	0.87	ND	ND	ND	ND	0.0018 J	ND	ND	ND	ND
	Styrene	0.005	20000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethylene	0.005	800	43	1.8	ND	7200 J	81	0.0036	45	41	1.3	6.4
	Toluene	0.005	16000	16	1	0.36	770	50	ND	6.1	5.8	5.4	1.9
	Trichloroethylene	0.005	63.6	11.0	1.1	ND	120	11	ND	3.1	3.8	1.2	1.5
	Total Xylenes	0.005	160000	3.7	3.7 J	ND	17 J	4.3	0.0052	ND	ND	0.67	0.2 J
SVOC	Bis(2-Ethylhexyl)phthalate	0.7	50	2.8	ND	ND	5.2	3.9	ND	ND	ND	ND	ND
	di-n-Butylphthalate	0.7	8000	ND	0.48	0.57	0.6	0.53	0.45	ND	ND	ND	ND
	2-Methylnaphthalene	0.7	3200	2.1	0.31	0.48	2.4	1.4	ND	ND	ND	ND	ND
	Naphthalene	0.7	3200	2.4	0.52	2	4.4	4.7	0.62	18	ND	10	19
	Phenol	0.3	48000	ND	ND	0.26	3.6	ND	ND	ND	ND	ND	ND
TPH	Diesel Fraction	10	100	1300	170	570	1100	1700	280	8100	3000	3000	4700
	Gasoline Fraction	1	100	18	90	12	7800	93	1.8	15	87	70	14

Ψ Complete table footnotes can be found after the last table in this section.

Chemical Class	Analyte	PQL UTL	HHRB Action Level[2]	Borehole Number and Sample Depth Interval (ft)									
				ST-219-03			*ST-219-04*			*ST-219-05*			
				7-9	12-16	22-24	7-9	12-14	22-24	7-11	7-11 FR	12-15	22-25
METALS	Aluminum	13300	N/A	6350	9250 J	15000	11700	11700	10400 J	9800	10400	8460	8540
	Antimony	N/A	32	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	N/A	0.4	ND	ND UJ	ND	ND	ND	ND UJ	ND	ND	ND	ND
	Barium	496	5600	208	130	118	144	218	94.5	62.5	385	101	75.6
	Beryllium	0.83	0.2	0.36	0.55	0.85	0.7	0.7	0.62	0.56	0.58	0.55	0.53
	Cadmium	N/A	40	ND	0.66	0.72	1.3	ND	ND	0.67	ND	ND	ND
	Calcium	119000	N/A	148000	6130 J	35700	33300	34100	15300 J	15200	86400	8260	11400
	Chromium, Total	14.9	400	63.4	15.0	15.1	80.3	92.0	10.5	10.5	9.0	11.1	10.5
	Cobalt	11.3	N/A	3.6	6.8 J	10.4	6.9	9.4	11.3 J	7.8	5.6	6.2	7.9
	Copper	135	N/A	14.2	128 J	105	71.9	72.3	39.4 J	50.3	41.9	63.7	16.3
	Iron	20900	N/A	5850	14700 J	21500	14900	18600	18000 J	16200	12100	14800	17900
	Lead	22.9	400	4.8	9.7	11.1	83.2	12.7	7.9	8.4	5.9	6.0	6.3
	Magnesium	8730	N/A	4310	3940	7240	5030	6170	5900	4890	5900	4250	4560
	Manganese	435	400	59	206	760	233	327	427	406	177	295	375
	Mercury	N/A	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Nickel	54.4	1600	39.4	31.8	13.8	10.7	11.4	12.4	10.2	9.4	46.5	9.8
	Potassium	2730	N/A	1050	1790 J	2960	2150	2540	2690 J	1890	1940	1840	2110
	Selenium	N/A	400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Sodium	519	N/A	105	86.3 J	158	79.2	104	131 J	149	124	107	238
	Silver	N/A	400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vanadium	49.2	720	19.0	34.9 J	49	44.8	47.7	40.4 J	42.8	34.1	34.6	39.7
	Zinc	81.6	24000	20.2	76.6 J	79.2	66.5	70.9	60.2 J	56.1	42.1	58.5	69.5
OTHER	Moisture (%)			17.5	9.7	17.2	14.7	14.2	19.3	10.7	14.1	9.3	5.1
	pH			8.5	8.5	8.0	8.6	8.3	8.0	8.3	8.7	8.3	8.2

Chemical Class	Analyte	PQL UTL	HHRB Action Level[2]	Borehole Number and Sample Depth Interval (ft)							
				ST-219-06							
				7-9	12-14	24-26	32-34	42-44	52-54	74-76	105-107
VOC	Acetone	0.1	8000	ND	0.16 J	ND	3.4	ND	0.045 J	ND	0.19
	Benzene	0.005	24.1	ND	ND	ND	ND	ND	ND	ND	ND
	Bromomethane	0.01	32	0.21 J	ND	ND	ND	ND	ND	ND	ND
	Carbon Disulfide	0.005	8000	0.4	ND	ND	ND	ND	ND	ND	ND
	2-Hexanone	0.05	N/A	1.5	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	0.005	2160	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	0.005	N/A	ND	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene	0.005	8000	ND	ND	ND	ND	ND	ND	ND	0.016 J
	Methyl Ethyl Ketone	0.1	48000	0.4 J	ND	ND	0.29 J	ND	ND	ND	0.052 J
	Methyl Isobutyl Ketone	0.05	N/A	0.43 J	ND	ND	ND	ND	ND	ND	ND
	Methylene Chloride	0.005	93.3	0.31 J	0.26 J	0.25 J	0.22	0.38 J	0.11	0.31 J	0.098
	Styrene	0.005	20000	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethylene	0.005	800	16	2.6	15	ND	ND	ND	ND	ND
	Toluene	0.005	16000	3.8	2.1	2.5	ND	ND	ND	ND	ND
	Trichloroethylene	0.005	63.6	3.1	0.52	1	ND	0.26 J	ND	ND	0.012 J
	Total Xylenes	0.005	160000	0.34	ND	0.46 J	ND	0.14	ND	ND	0.17
SVOC	Bis(2-Ethylhexyl)phthalate	0.7	50	ND	ND	ND	ND	ND	ND	ND	ND
	di-n-Butylphthalate	0.7	8000	ND	ND	ND	0.27	0.26	0.23	ND	ND
	2-Methylnaphthalene	0.7	3200	ND	ND	ND	ND	ND	ND	ND	ND
	Naphthalene	0.7	3200	17	12	18	ND	ND	ND	ND	8
	Phenol	0.3	48000	ND	ND	ND	ND	0.22	ND	0.18	ND
TPH	Diesel Fraction	10	100	5300	2500	3500	160	19000	1700	2100	2300
	Gasoline Fraction	1	100	340	270	130	37	300	29	40	56

Ψ Complete table footnotes can be found after the last table in this section.

Chemical Class	Analyte	PQL UTL	HHRB Action Level[2]	Borehole Number and Sample Depth Interval (ft)							
				ST-219-06							
				7-9	12-14	24-26	32-34	42-44	52-54	74-76	105-107
METALS	Aluminum	13300	N/A	12600	8320	10200	23000	11900	3480	3090	3770
	Antimony	N/A	32	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	N/A	0.4	ND	ND	ND	ND	ND	ND	ND	ND
	Barium	496	5600	76.5	123	68.2	146	331	45.8	54.8	40.1
	Beryllium	0.83	0.2	0.68	0.55	0.78	1.4	1.3	0.42	0.32	0.42
	Cadmium	N/A	40	ND	ND	ND	1.3	ND	ND	ND	ND
	Calcium	119000	N/A	47000	5270	19700	81300	14500	7810	1100	7270
	Chromium, Total	14.9	400	10.6	8.4	10.4	20.8	8.4	5.0	4.2	3.2
	Cobalt	11.3	N/A	6.8	6.3	6.4	10.7	7.4	3.1	4.3	3.6
	Copper	135	N/A	108	74.5	143	70.1	104	240	432	83.5
	Iron	20900	N/A	15500	16100	12800	22800	15100	6920	5520	7000
	Lead	22.9	400	7.5	11.0	10.2	15.4	12.8	ND	ND	3.6
	Magnesium	8730	N/A	6230	4440	4240	8660	4820	1450	1150	1440
	Manganese	435	400	293	209	267	688	287	143	91.9	123
	Mercury	N/A	20	ND	ND	ND	ND	ND	ND	ND	ND
	Nickel	54.4	1600	9.0	6.7	10.0	19.7	15.3	ND	10.8	3.5
	Potassium	2730	N/A	2120	1670	1770	4150	1960	686	529	680
	Selenium	N/A	400	ND	ND	ND	ND	ND	ND	ND	ND
	Sodium	519	N/A	142	101	271	488	422	168	180	137
	Silver	N/A	400	ND	ND	ND	ND	ND	0.42	ND	ND
	Vanadium	49.2	720	44.9	40.3	28.3	46.6	22.9	11.2	9.0	11.4
	Zinc	81.6	24000	50.3	51.3	76.5	77.6	71.8	98.7	160	58.6
OTHER	Moisture (%)			12.2	8.4	10.6	13.1	20.5	5.1	6.7	5.6
	pH			8.0	7.7	8.2	8.5	8.3	8.6	8.1	8.3

Chemical Class	Analyte	PQL UTL	HHRB Action Level[2]	Borehole Number and Sample Depth Interval (ft)									
				ST-219-07									
				74-76	80-82	90-92	100-102	110-112	120-122	130-132	140-144	140-144 FR	150-152
VOC	Acetone	0.1	8000	ND	ND	ND	0.21	0.13	ND	0.013	0.006 J	ND	0.018
	Benzene	0.005	24.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromomethane	0.01	32	ND	0.36 J	0.46 J	ND	ND	ND	ND	ND	ND	ND
	Carbon Disulfide	0.005	8000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Hexanone	0.05	N/A	ND	ND	ND	0.012	0.004	ND	ND	ND	ND	ND
	Chlorobenzene	0.005	2160	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	0.005	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene	0.005	8000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Ethyl Ketone	0.1	48000	ND	ND	ND	0.072	0.023	ND	ND	ND	ND	ND
	Methyl Isobutyl Ketone	0.05	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methylene Chloride	0.005	93.3	0.18 J	ND	ND	0.009	0.004 J	0.005 J	0.005 J	ND	ND	0.01
	Styrene	0.005	20000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethylene	0.005	800	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Toluene	0.005	16000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroethylene	0.005	63.6	ND	ND	0.18 J	ND	ND	ND	ND	ND	ND	ND
	Total Xylenes	0.005	160000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SVOC	Bis(2-Ethylhexyl)phthalate	0.7	50	ND	ND	ND	ND	ND	ND	ND	ND	0.32 J	ND
	di-n-Butylphthalate	0.7	8000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Methylnaphthalene	0.7	3200	ND	0.084 J	ND	ND	ND	ND	ND	ND	ND	ND
	Naphthalene	0.7	3200	ND	0.56	0.15	ND	ND	ND	ND	ND	ND	ND
	Phenol	0.3	48000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TPH	Diesel Fraction	10	100	ND	200	170	ND	ND	ND	ND	ND	ND	ND
	Gasoline Fraction	1	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Ψ Complete table footnotes can be found after the last table in this section.

Chemical Class	Analyte	PQL UTL	HHRB Action Level[2]	Borehole Number and Sample Depth Interval (ft)									
				ST-219-07									
				74-76	80-82	90-92	100-102	110-112	120-122	130-132	140-144	140-144 FR	150-152
METALS	Aluminum	13300	N/A	2330	2070	3560	7920	3360	9410	1850	2560	3340	11700
	Antimony	N/A	32	4.6	5.6	ND	5.3	ND	7.9	3.8	ND	ND	4.5
	Arsenic	N/A	0.4	1.2	1.2	1.0	3.2	1.7	1.6	0.66	1.1	1.1	1.6
	Barium	496	5600	40.5	26.3	72.2	74.4	37.6	56.7	59.6	26.6	35.9	71.6
	Beryllium	0.83	0.2	0.17	ND	0.29	0.61	0.28	0.74	0.2	0.18	0.25	1.2
	Cadmium	N/A	40	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Calcium	119000	N/A	904	1300	1520	94500	8480	3190	1040	1180	1360	4960
	Chromium, Total	14.9	400	2.4	4.0	2.7	5.4	2.5	4.9	1.6	2.9	5.0	6.3
	Cobalt	11.3	N/A	2.9	4.1	2.8	3.7	2.7	6.1	1.8	2.8	3.1	5.0
	Copper	135	N/A	4.9	26.0	85.1	25.0	6.5	16.5	17.8	5.2	4.2	19.4
	Iron	20900	N/A	4070	7520	5130	9840	5790	11500	3200	4730	5930	13200
	Lead	22.9	400	2.5	3.6	4.3	7.3	4.1	5.3	3.0	2.7	3.6	9.3
	Magnesium	8730	N/A	897	922	1220	4800	1300	4430	920	927	1260	4630
	Manganese	435	400	66.8	99.7	79.6	441	117	224	55.7	70.3	79.6	227
	Mercury	N/A	20	0.08	0.07	0.11	0.07	0.04	ND	ND	0.05	ND	0.08
	Nickel	54.4	1600	3.6	3.4	3.3	7.9	3.5	7.0	2.8	2.3	4.0	8.4
	Potassium	2730	N/A	409	303	428	1440	664	1610	357	405	528	1360
	Selenium	N/A	400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Sodium	519	N/A	108	125	135	203	122	238	92	119	161	270
	Silver	N/A	400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vanadium	49.2	720	6.9	17.9	8.9	13.7	9.7	16.7	5.6	10.4	13.1	18.7
	Zinc	81.6	24000	12.9	46.8	23.2	28.7	33.6	401	20.9	24.5	17.4	191
OTHER	Moisture (%)			5.2	2.5	13.5	14.1	6.4	13.6	3.5	3.2	12.6	22.7
	pH			8.3	8.2	8.1	8.1	8.3	7.7	7.8	7.8	7.7	7.7

Chemical Class	Analyte	PQL UTL	HHRB Action Level[2]	Borehole Number and Sample Depth Interval (ft)										
				ST-219-08										
				10-12	20-22	30-32	40-42	55-57	60-62	70-74	70-74 FR	80-84	90-92	100-102
VOC	Acetone	0.1	8000	ND	ND	0.011 J	ND	0.011	0.007 J	ND	ND	ND	ND	0.016
	Benzene	0.005	24.1	ND	ND	ND	ND	ND	ND	0.008 J	ND	ND	ND	ND
	Bromomethane	0.01	32	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon Disulfide	0.005	8000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Hexanone	0.05	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	0.005	2160	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Total-1,2-Dichloroethene	0.005	160000	0.004 J	ND	0.015	0.005 J	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene	0.005	8000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Ethyl Ketone	0.1	48000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Isobutyl Ketone	0.05	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methylene Chloride	0.005	93.3	ND	ND	ND	ND	0.004 J	ND	ND	ND	ND	ND	ND
	Styrene	0.005	20000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethylene	0.005	800	ND	ND	ND	ND	ND	ND	0.009 J	0.011 J	ND	ND	ND
	Toluene	0.005	16000	ND	ND	ND	ND	ND	ND	0.006 J	ND	ND	ND	ND
	Trichloroethylene	0.005	63.6	ND	ND	ND	ND	ND	ND	0.009 J	0.041	ND	0.023	ND
	Total Xylenes	0.005	160000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SVOC	Bis(2-Ethylhexyl)phthalate	0.7	50	ND	ND	ND	ND	ND	ND	ND	ND	0.42	ND	0.12 J
	di-n-Butylphthalate	0.7	8000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Methylnaphthalene	0.7	3200	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Naphthalene	0.7	3200	ND	ND	ND	ND	ND	ND	19 J	8.8 J	ND	ND	ND
	Phenol	0.3	48000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TPH	Diesel Fraction	10	100	ND	ND	ND	ND	ND	ND	8500	6000	ND	ND	ND
	Gasoline Fraction	1	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Ψ Complete table footnotes can be found after the last table in this section.

Chemical Class	Analyte	PQL UTL	HHRB Action Level[2]	Borehole Number and Sample Depth Interval (ft)										
				ST-219-08										
				10-12	20-22	30-32	40-42	55-57	60-62	70-74	70-74 FR	80-84	90-92	100-102
METALS	Aluminum	13300	N/A	12800	7330	11200	5900	2100	1540	3340	1740	1520	6370	4640
	Antimony	N/A	32	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	N/A	0.4	6.4	3.3	5.0	2.7	1.7	0.72	0.6	0.84	0.73	0.95	1.7
	Barium	496	5600	71.1	35.8	60.8	30.7	42.1	28.7	52.9	32.5	67.0	51.5	67.9
	Beryllium	0.83	0.2	0.68	0.45	0.76	0.61	0.19	0.11	0.22	0.15	0.15	0.61	0.5
	Cadmium	N/A	40	1.1	ND	0.88 U	0.39	ND	ND	ND	ND	ND	ND	ND
	Calcium	119000	N/A	38900	20200	30600	3910	2930	1130	1050	1370	964	3710	45100
	Chromium, Total	14.9	400	10.2	6.9	11 J	4.6	1.5	1.5	1.5	2.5	2.1	4.4	3.5
	Cobalt	11.3	N/A	7.5	5.8	5.2 U	4.3	2.5	2.2	1.9	2.0	2.5	5.0	3.4
	Copper	135	N/A	11.6	11.1	14.8	9.2	10.3	43.5	12.0	28.1	57.7	7.3	12.6
	Iron	20900	N/A	15800	11600	13800 J	7620	3960	3010	2790	3160	3300	9960	6610
	Lead	22.9	400	9.3	6.5	8.2	6.5	3.2	2.8	2.8	3.1	5.4	7.8	5.4
	Magnesium	8730	N/A	6190	4010	5420	3670	946	693	1000	728	702	2720	3030
	Manganese	435	400	463	270	256 J	156	60.9	47.9	59.0	56.8	234	172	271
	Mercury	N/A	20	ND	ND	ND	0.07	ND	0.05	ND	0.13	0.05	0.05	ND
	Nickel	54.4	1600	11.9	7.9	11.2 U	6.0	2.0	2.1	2.4	4.5	1.7	6.7	5.0
	Potassium	2730	N/A	2290	1490	2210 J	1290	428	228	458	302	291	900	1040
	Selenium	N/A	400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Sodium	519	N/A	391	321	433 J	280	118	114	244	130	116	337	168
	Silver	N/A	400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vanadium	49.2	720	38.2	27.3	30.0	14.6	6.0	6.5	4.6	4.8	5.7	16.7	7.7
	Zinc	81.6	24000	45.9	33.0	39.8	33.2	17.2	30.1	15.1	30.6	34.9	35.8	28.2
OTHER	Moisture (%)			7.0	13.3	10.9	12.6	8.9	2.7	14.6	6.8	3.3	3.7	16.0
	pH			8.5	9.3	7.6	8.5	8.6	8.7	8.3	8.9	8.6	8.6	8.5

Chemical Class	Analyte	PQL UTL	HHRB Action Level[2]	Borehole Number and Sample Depth Interval (ft)									
				ST-219-09									
				10-12	20-22	30-32	40-44	50-52	60-62	70-72	80-82	90-92	100-102
VOC	Acetone	0.1	8000	ND	ND	ND	ND	ND	ND	2.3 J	ND	ND	1.9
	Benzene	0.005	24.1	ND	ND	ND	0.16 J	ND	ND	ND	ND	ND	ND
	Bromomethane	0.01	32	0.72	0.67	0.51 J	0.48 J	0.23 J	ND	ND	ND	ND	ND
	Carbon Disulfide	0.005	8000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Hexanone	0.05	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	0.005	2160	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	0.005	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene	0.005	8000	0.32 J	0.54 J	1.4	1.8	ND	0.56 J	ND	0.64 J	ND	0.92
	Methyl Ethyl Ketone	0.1	48000	ND	1.9	ND	2.2	1.6	ND	ND	ND	ND	2.5
	Methyl Isobutyl Ketone	0.05	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methylene Chloride	0.005	93.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Styrene	0.005	20000	ND	0.72	0.28 J	ND	0.59 J	ND	ND	ND	0.58 J	0.79
	Tetrachloroethylene	0.005	800	0.21 J	0.19	0.2 J	ND	ND	ND	ND	ND	ND	ND
	Toluene	0.005	16000	ND	ND	ND	ND	ND	ND	0.17	0.21 J	ND	0.21 J
	Trichloroethylene	0.005	63.6	0.46 J	0.19 J	1.8	2	ND	0.83	0.46 J	0.18 J	0.39 J	1.1
	Total Xylenes	0.005	160000	0.3 J	0.51 J	2.5	3.1	0.47 J	1.1	0.56 J	0.55 J	0.84	2.1
SVOC	Bis(2-Ethylhexyl)phthalate	0.7	50	0.48	0.043 J	ND	ND	ND	ND	0.061 J	0.14	ND	ND
	di-n-Butylphthalate	0.7	8000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Methylnaphthalene	0.7	3200	0.096 J	0.069 J	ND	0.82 J	ND	0.76 J	0.062	0.49	ND	ND
	Naphthalene	0.7	3200	0.23 J	0.23	1.3	5.1	ND	3.8	0.07 J	0.92	0.76	ND
	Phenol	0.3	48000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TPH	Diesel Fraction	10	100	620	360	2800	6700	110	13000	1900	4100	3200	49000
	Gasoline Fraction	1	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Ψ Complete table footnotes can be found after the last table in this section.

Chemical Class	Analyte	PQL / UTL	HHRB Action Level[2]	Borehole Number and Sample Depth Interval (ft)									
				ST-219-09									
				10-12	20-22	30-32	40-44	50-52	60-62	70-72	80-82	90-92	100-102
METALS	Aluminum	13300	N/A	7310	3740	4510	6460	2560	1800	1290	1560	1920	6780
	Antimony	N/A	32	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	N/A	0.4	6.7	2.0	2.9	1.9	0.91	0.87	0.45	0.98	0.71	1.7
	Barium	496	5600	85.4	79.1	58.2	70.4	38.5	40.8	26.5	27.8	42.1	53.4
	Beryllium	0.83	0.2	0.47	0.23	0.33	0.65	0.26	ND	ND	ND	0.24	0.61
	Cadmium	N/A	40	0.99	0.76	ND	ND	ND	ND	ND	ND	ND	ND
	Calcium	119000	N/A	5350	9980	40100	2590	1640	2930	806	1060	1480	51900
	Chromium, Total	14.9	400	6.5	2.1	2.8	2.9	ND	ND	ND	ND	ND	1.9
	Cobalt	11.3	N/A	6.6	4.0	2.8	4.3	2.2	2.3	1.4	2.4	2.1	3.2
	Copper	135	N/A	22.8	12.5	13.9	33.4	13.9	27	44.5	35.5	20.1	19
	Iron	20900	N/A	14500	8270	6080	7650	3970	3190	2300	3290	3710	8540
	Lead	22.9	400	7.0	3.5	5.2	7.6	4.0	3.0	2.1	2.6	3.2	6.9
	Magnesium	8730	N/A	4400	2690	2620	2720	1070	765	611	797	910	5030
	Manganese	435	400	227	185	178	104	63.8	54.6	39.3	58.4	67.8	355
	Mercury	N/A	20	0.06	0.05	ND	ND	ND	0.06	ND	ND	0.11	ND
	Nickel	54.4	1600	9.3	4.8	5.6	6.9	3.6	3.0	2.5	2.5	2.7	7.0
	Potassium	2730	N/A	1680	1270	898	1040	497	386	206	332	284	1430
	Selenium	N/A	400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Sodium	519	N/A	73.9	60.6	224	294	143	121	92.5	107	93.2	199
	Silver	N/A	400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vanadium	49.2	720	38.8	16.8	14.5	10.9	6.5	6.4	3.3	5.0	5.5	9.5
	Zinc	81.6	24000	77.0	49.3	30.1	75.2	47.0	34.2	28.7	25.3	50.2	69.5
OTHER	Moisture (%)			11.4	2.9	10.3	14.0	9.6	4.2	4.4	3.1	4.4	15.4
	pH			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Chemical Class	Analyte	PQL UTL	HHRB Action Level[2]	Borehole Number and Sample Depth Interval (ft)										
				ST-219-10										
				10-12	20-22	30-34	30-34 FR	40-42	50-52	60-62	70-72	80-82	90-92	100-102
VOC	Acetone	0.1	8000	ND	ND	0.008 J	ND	ND	ND	ND	ND	ND	0.014	ND
	Benzene	0.005	24.1	ND	ND	0.004 J	ND	ND	0.001	ND	ND	ND	ND	ND
	Bromomethane	0.01	32	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon Disulfide	0.005	8000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Hexanone	0.05	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	0.005	2160	ND	ND	0.003 J	ND	ND	ND	ND	ND	ND	ND	ND
	trans-1,2-Dichloroethene	0.005	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene	0.005	8000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Ethyl Ketone	0.1	48000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Isobutyl Ketone	0.05	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methylene Chloride	0.005	93.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Styrene	0.005	20000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethylene	0.005	800	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Toluene	0.005	16000	ND	ND	0.001 J	ND	ND	ND	ND	ND	ND	ND	ND
	Trichloroethylene	0.005	63.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Total Xylenes	0.005	160000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SVOC	Bis(2-Ethylhexyl)phthalate	0.7	50	ND	0.3 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
	di-n-Butylphthalate	0.7	8000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Methylnaphthalene	0.7	3200	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Naphthalene	0.7	3200	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Phenol	0.3	48000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TPH	Diesel Fraction	10	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Gasoline Fraction	1	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Ψ Complete table footnotes can be found after the last table in this section.

Chemical Class	Analyte	PQL UTL	HHRB Action Level[2]	Borehole Number and Sample Depth Interval (ft)										
				ST-219-10										
				10-12	20-22	30-34	30-34 FR	40-42	50-52	60-62	70-72	80-82	90-92	100-102
METALS	Aluminum	13300	N/A	5620	7160	12500	21100	6130	2690	2680	1720	4630	1150	4970
	Antimony	N/A	32	ND	ND	ND	ND UJ	ND	ND	ND	ND	ND	ND	3.5
	Arsenic	N/A	0.4	4.1	3.3	6.4	8.9	3.2	0.53	0.98	0.56	0.89	0.3	3.2
	Barium	496	5600	116	66.2	75.6	123	39.1	21.5	40.7	26.6	40.6	18.1	46.5
	Beryllium	0.83	0.2	0.5	0.32	0.89	1.2	0.65	0.21	0.17	0.17	0.63	ND	0.38
	Cadmium	N/A	40	0.46	1.1	0.94	0.94 J	0.54	ND	ND	ND	0.46	ND	0.42
	Calcium	119000	N/A	7240	14500	33500	51400	17000	1110	5510	1010	2840	816	219000
	Chromium, Total	14.9	400	4.8	6.1	11.7	16.7	4.9	1.3	1.8	ND	3.1	0.94	4.0
	Cobalt	11.3	N/A	5.8	8.2	5.4	9.1 U	3.8	2.3	2.8	1.4	3.7	1.5	2.2
	Copper	135	N/A	6.8	15.5	14.4	19	8.7	3.4	4.1	7.9	61.8	2.0	21.2
	Iron	20900	N/A	11500	20100	15100	21600 J	9640	2940	4880	2920	7560	2400	6370
	Lead	22.9	400	5.7	6.2	8.1	14.5	6.3	2.7	3.6	2.7	4.9	1.6	5.3
	Magnesium	8730	N/A	3850	5540	6060	8550	3800	977	1140	738	2400	569	4620
	Manganese	435	400	288	365	175	623	141	43.5	78.3	48.5	120	43.5	872
	Mercury	N/A	20	ND	ND	ND	ND UJ	ND	ND	ND	ND	ND	ND	ND
	Nickel	54.4	1600	6.8	8.1	13.9	19.0	9.8	2.9	3.5	2.2	4.8	2.4	5.6
	Potassium	2730	N/A	1830	3040	2290	3480 J	1130	430	515	252	965	160	1120
	Selenium	N/A	400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Sodium	519	N/A	211	134	324	423 J	254	202	132	135	241	72.4	227
	Silver	N/A	400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vanadium	49.2	720	27.7	41.7	25.2	33.1	13.6	4.9	18.9	4.2	13.0	3.8	6.8
	Zinc	81.6	24000	31.9	54.0	41.9	58.5	31.8	12.5	15.7	16.0	51.0	7.8	30.8
OTHER	Moisture (%)			6.2	11.0	13.6	21.7	12.5	4.0	4.6	7.8	4.5	3.6	8.8
	pH			8.3	7.2	8.6	7.5	7.3	8.5	8.7	8.3	8.6	8.4	8.2

Chemical Class	Analyte	PQL UTL	HHRB Action Level[2]	Borehole Number and Sample Depth Interval (ft)											
				ST-219-11											
				10-12	20-24	20-24 FR	30-34	40-42	50-52	60-62	70-72	80-82	90-94	90-94 FR	100-102
VOC	Acetone	0.1	8000	0.085	ND	ND	ND	0.036 J	ND	ND	ND	ND	ND	0.010 J	0.019
	Benzene	0.005	24.1	ND	ND	ND	0.001 J	ND	0.001 J	ND	0.001 J	ND	ND	ND	ND
	Bromomethane	0.01	32	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon Disulfide	0.005	8000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Hexanone	0.05	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	0.005	2160	ND	0.001 J	ND	ND	ND	ND	ND	0.002 J	ND	ND	ND	ND
	Total-1,2-Dichloroethene	0.005	160000	ND	ND	ND	0.054	ND	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene	0.005	8000	ND	ND	0.051 J	ND	ND	ND	ND	0.001 J	ND	ND	ND	ND
	Methyl Ethyl Ketone	0.1	48000	ND	0.01 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Isobutyl Ketone	0.05	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methylene Chloride	0.005	93.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Styrene	0.005	20000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethylene	0.005	800	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Toluene	0.005	16000	ND	ND	ND	ND	0.013 J	0.001 J	0.001 J	0.005 J	ND	ND	ND	0.003 U
	Trichloroethylene	0.005	63.6	ND	ND	0.3 J	0.19	ND	ND	ND	ND	ND	ND	ND	ND
	Total Xylenes	0.005	160000	ND	ND	ND	0.003 J	ND	ND	ND	0.008	ND	ND	ND	ND
SVOC	Bis(2-Ethylhexyl)phthalate	0.7	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.036 J	ND
	di-n-Butylphthalate	0.7	8000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Methylnaphthalene	0.7	3200	ND	ND	1.9 J	ND	0.045 J	ND	ND	ND	ND	ND	ND	ND
	Naphthalene	0.7	3200	ND	ND	ND	ND	0.06 J	ND	ND	ND	ND	ND	ND	ND
	Phenol	0.3	48000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TPH	Diesel Fraction	10	100	22	25	2700	ND	140	ND	ND	ND	ND	ND	ND	ND
	Gasoline Fraction	1	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Ψ Complete table footnotes can be found after the last table in this section.

Chemical Class	Analyte	PQL UTL	HHRB Action Level[2]	Borehole Number and Sample Depth Interval (ft)											
				ST-219-11											
				10-12	20-24	20-24 FR	30-34	40-42	50-52	60-62	70-72	80-82	90-94	90-94 FR	100-102
METALS	Aluminum	13300	N/A	8400	10300	11300	17500	14200	3170	1860	2570	1770	1930	2100	6200 J
	Antimony	N/A	32	ND	ND	ND	ND	ND	ND	ND	ND UJ	ND	ND	ND	5.5 U
	Arsenic	N/A	0.4	4.1	3.6	3.5	5.6	2.0	1.7	0.77	1.5	0.9	0.79	0.6	2.2 J
	Barium	496	5600	158	87.0	129	139	57.7	37.4	26.6	38.9	42.3	218	28.2	51.5
	Beryllium	0.83	0.2	0.46	0.6	0.58	0.99	1.1	0.27	0.15	0.23 J	0.17	0.21	0.18	0.49 J
	Cadmium	N/A	40	0.9	0.9	0.81	1.4	1.1	ND	ND	ND	0.76	0.31	ND	0.97 J
	Calcium	119000	N/A	16200	14300	25800	26000	4490	1240	993	1160	1070	1400	1040	39800 J
	Chromium, Total	14.9	400	7.9	10.0	12.3	13.8	11.1	2.3	2.1	1.9 U	1.9	2.5	2.4	8.5
	Cobalt	11.3	N/A	6.6	6.4	6.0	8.6	7.2	2.6	2.1	2.1 J	2.0	2.2	2.1	4.0 U
	Copper	135	N/A	13.6	13.6	10.6	17.1	16.3	14.6	13.6	28.5 J	35.7	41.0	15.8	30.3
	Iron	20900	N/A	14600	13800	13000	16300	15700	5050	4490	3820	3630	5750	3580	9400 J
	Lead	22.9	400	6.5	6.8	7.6	10.0	10.1	3.6	2.7	3.5	2.7	3.0	2.5	5.6
	Magnesium	8730	N/A	4240	4800	4860	6740	6430	1140	779	996	881	842	915	3330 J
	Manganese	435	400	330	334	328	439	260	112	59.3	64.9	84.8	78.3	63.7	292 J
	Mercury	N/A	20	0.05	ND	0.05	0.06	ND	ND	0.05	ND	ND	ND	ND	ND
	Nickel	54.4	1600	7.6	9.8	10.5	15.3	13.1	3.9	3.5	3.3 J	2.6	1.6	3.2	7.1 J
	Potassium	2730	N/A	1840	2120	1980	3120	2470	519	262	398 J	371	255	248	1120 J
	Selenium	N/A	400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Sodium	519	N/A	135	280	345	403	400	214	115	212 J	123	128	94.5	175 U
	Silver	N/A	400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vanadium	49.2	720	34.9	29.5	28.5	27.4	20.4	7.3	9.3	6.8	6.2	10.9	6.0	13.8
	Zinc	81.6	24000	39.4	40.5	38.7	46.6	56.7	22.7	19.7	27.4	28.0	35.0	20.8	54.6 J
OTHER	Moisture (%)			6.7	13.4	10.3	10.3	14.5	20.7	2.3	15.8	3.4	4.2	4.8	10.1
	pH			8.5	8.3	8.3	7.7	8.1	8.3	9.0	8.3	7.9	8.6	7.7	8.5

Chemical Class	Analyte	PQL UTL	HHRB Action Level[2]	Borehole Number and Sample Depth Interval (ft)										
				ST-219-12										
				10-12	20-22	30-32	40-44	40-44 FR	50-54	60-62	70-72	80-82	90-92	100-102
VOC	Acetone	0.1	8000	0.011	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzene	0.005	24.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromomethane	0.01	32	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon Disulfide	0.005	8000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Hexanone	0.05	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	0.005	2160	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Total-1,2-Dichloroethene	0.005	160000	ND	ND	ND	0.008 J	0.006 J	ND	ND	ND	ND	ND	ND
	Ethylbenzene	0.005	8000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Ethyl Ketone	0.1	48000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Isobutyl Ketone	0.05	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methylene Chloride	0.005	93.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Styrene	0.005	20000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethylene	0.005	800	ND	ND	ND	0.003	0.003 J	ND	ND	ND	ND	ND	ND
	Toluene	0.005	16000	ND	ND	ND	ND	ND	ND	0.001 J	0.001 J	ND	ND	ND
	Trichloroethylene	0.005	63.6	ND	ND	ND	0.015	0.018	ND	ND	ND	ND	ND	ND
	Total Xylenes	0.005	160000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SVOC	Bis(2-Ethylhexyl)phthalate	0.7	50	0.11 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.044 J
	di-n-Butylphthalate	0.7	8000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Methylnaphthalene	0.7	3200	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Naphthalene	0.7	3200	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Phenol	0.3	48000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TPH	Diesel Fraction	10	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Gasoline Fraction	1	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Ψ Complete table footnotes can be found after the last table in this section.

Chemical Class	Analyte	PQL UTL	HHRB Action Level[2]	Borehole Number and Sample Depth Interval (ft)										
				ST-219-12										
				10-12	20-22	30-32	40-44	40-44 FR	50-54	60-62	70-72	80-82	90-92	100-102
METALS	Aluminum	13300	N/A	6270 J	8880	7440	8630	7150 J	1930	1630	1370	2100	1860	6270
	Antimony	N/A	32	ND	ND	7.5	ND	6.4 U	ND	ND	ND	ND	ND	ND
	Arsenic	N/A	0.4	2.9 J	3.8	3.7	5.4	3.0 J	1.0	0.72 J	0.36	0.69	0.33	2.6
	Barium	496	5600	42.9	39.5	47.7	83.3	36.7	33.9	50.7	29.5	21.8	28.4	36.1
	Beryllium	0.83	0.2	0.46 J	0.49	0.5	0.88	0.69	0.14	0.14	ND	0.12	0.13	0.42
	Cadmium	N/A	40	ND	0.36	0.64	0.76	0.34 J	0.32	ND	ND	0.46	0.36	0.5
	Calcium	119000	N/A	21800 J	18700	17500	4620	3360 J	981	1510	736	1350	1220	44300
	Chromium, Total	14.9	400	4.7	8.6	6.2	6.9	5.1	1.7	1.6	ND	2.5	1.2	4.9
	Cobalt	11.3	N/A	3.2 U	55	4.6	7.4	4.7 U	2.3	2.3	1.4	3.3	2.0	3.6
	Copper	135	N/A	18.2	17.0	17.2	14.0	17.2	48.6	25.2	34.5	46.5	91.5	27.7
	Iron	20900	N/A	6200 J	12800	9730	11800	8630 J	4520	2820	1900	4930	4500	9710
	Lead	22.9	400	4.2	6.3	6.2	12.9	6.5	2.5	2.9	1.6	2.6	2.8	5.9
	Magnesium	8730	N/A	3060 J	4270	3390	4340	3750 J	783	740	545	937	9.1	3800
	Manganese	435	400	108 J	273	282	341	129	76.8	62.2	37.8	77.8	66.4	283
	Mercury	N/A	20	ND	ND	ND	0.08	0.05	0.05	0.05	0.05	ND	0.05	ND
	Nickel	54.4	1600	4.7 J	8.3	8.4	11.9	7.0 J	2.0	2.7	1.2	2.5	1.2	6.6
	Potassium	2730	N/A	989 J	1770	1310	1460	1600 J	363	331	273	319	262	1200
	Selenium	N/A	400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Sodium	519	N/A	87.2 U	104	102	317	235 J	136	121	105	139	120	157
	Silver	N/A	400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vanadium	49.2	720	18.1	31.0	21.9	20.0	15.2	7.0	5.0	3.0	10.6	9.0	15.9
	Zinc	81.6	24000	31.8 J	41.2	39.6	42.5	43.0 J	30.9	29.0	30.2	33.6	53.6	53.1
OTHER	Moisture (%)			9.9	13.0	16.5	12.9	15.8	6.2	7.2	4.3	4.5	2.4	12.3
	pH			8.6	8.5	7.6	8.6	8.3	8.8	9.0	9.0	8.7	8.8	8.2

(0.012 to 120 mg/kg) were detected at concentrations above the HHRB action levels of 800 mg/kg and 63.6 mg/kg, respectively.

VOC distributions at ST-219 are variable. The highest concentrations and greatest variety of VOCs were detected in the shallow (less than 26 ft deep) boreholes adjacent to the OWS and in borehole ST-219-09, about 25 ft northeast of the OWS. Several VOCs were detected in the deepest (100- to 102-ft) sample from borehole ST-219-09, indicating that contamination extends deeper in this area.

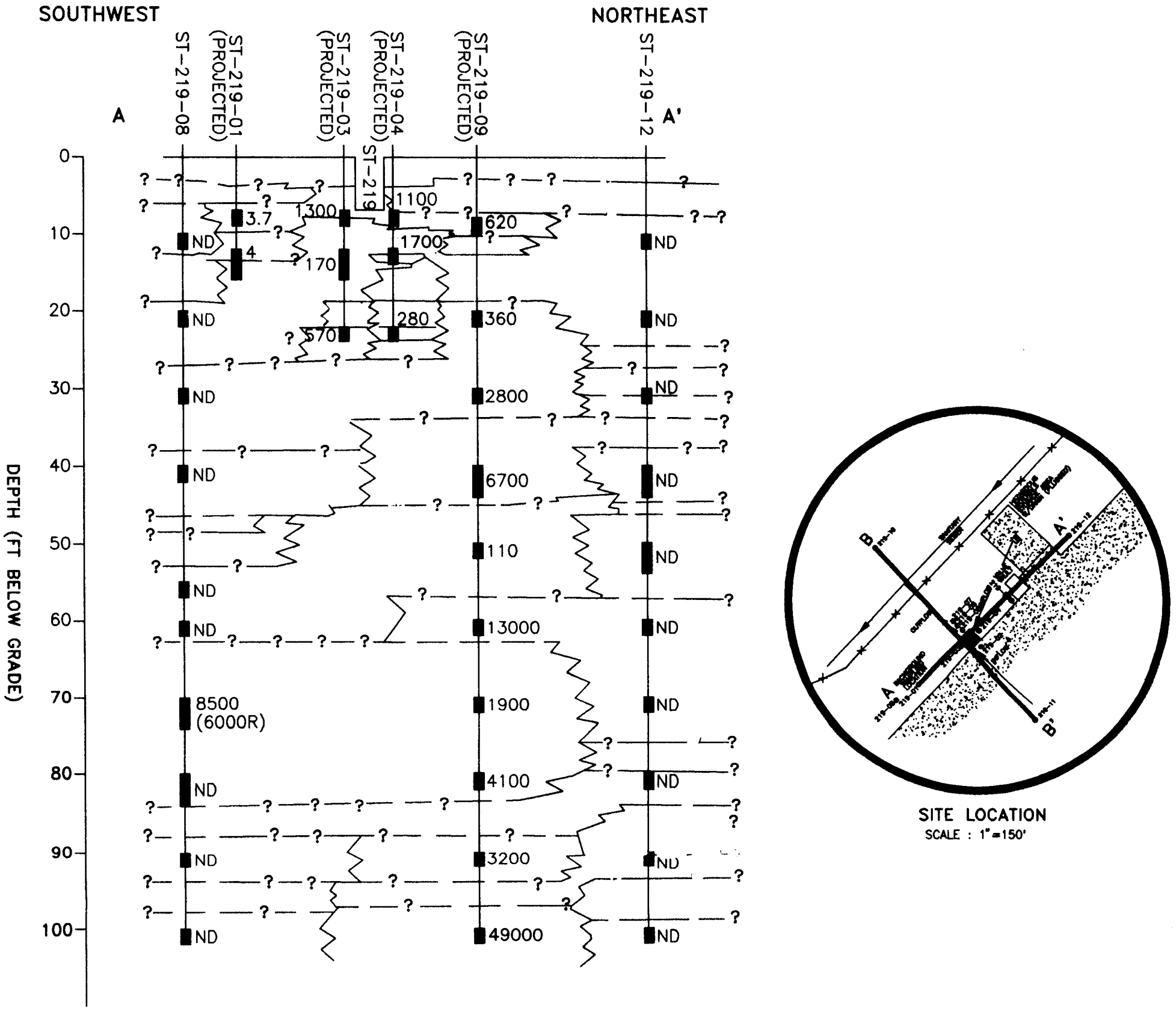
The following SVOC analytes were detected in one or more of the soil samples collected at ST-219: bis(2-ethylhexyl)phthalate, di-n-butylphthalate, 2-methylnaphthalene, naphthalene, and phenol. All SVOC concentrations are below their respective HHRB action levels.

Petroleum Hydrocarbons

Diesel range hydrocarbons were detected in all boreholes drilled at this site except ST-219-10 and ST-219-12 (Table 21-3). The highest concentrations were measured in three boreholes: ST-219-05, ST-219-06, and ST-219-09 (Figures 21-4 and 21-5). ST-219-05 and ST-219-06 were drilled near the cracked north wall of the OWS. ST-219-09 was drilled about 25 ft northeast of the OWS, near the hazardous waste storage area. Although diesel contamination was detected to a depth of 107 ft in borehole ST-219-06, it apparently did not extend below approximately 92 ft in adjacent borehole ST-219-07. Diesel range hydrocarbons were detected in all the samples collected from borehole ST-219-09, drilled northeast of the OWS near the hazardous waste storage area. These deep detections indicate that contamination extends from about 10 ft to at least 102 ft below grade. The diesel concentration (49,000 mg/kg) measured in the 100- to 102-ft sample of borehole ST-219-09 was the highest concentration detected in all the samples collected at ST-219. Diesel hydrocarbons were not detected in borehole ST-219-12 drilled further northeast of borehole ST-219-09.

Southwest of the OWS, diesel range hydrocarbons were detected in the 7- to 9-ft and 12- to 16-ft samples from the background sampling borehole ST-219-01. However, in the adjacent 102-ft-deep borehole ST-219-08, diesel range hydrocarbons were detected in only the 70- to 72-ft sample and replicate (8,500 and 6,000 mg/kg, respectively). Southeast of the OWS, diesel range hydrocarbons were detected to a depth of about 40 ft in borehole ST-219-11, located by the area drain on the flight line. Diesel hydrocarbons were not detected in borehole ST-219-10 drilled northwest of the OWS.

Gasoline range hydrocarbons appear to be laterally restricted to the area immediately adjacent to the OWS. Gasoline was detected in only the boreholes adjacent to the OWS (ST-219-02, ST-219-03, ST-219-04, ST-219-05, ST-219-06, and ST-219-07) (Table 21-3). The deepest detection (56 mg/kg)



LEGEND

ST-219-08

8500
(6000R)

BOREHOLE IDENTIFICATION

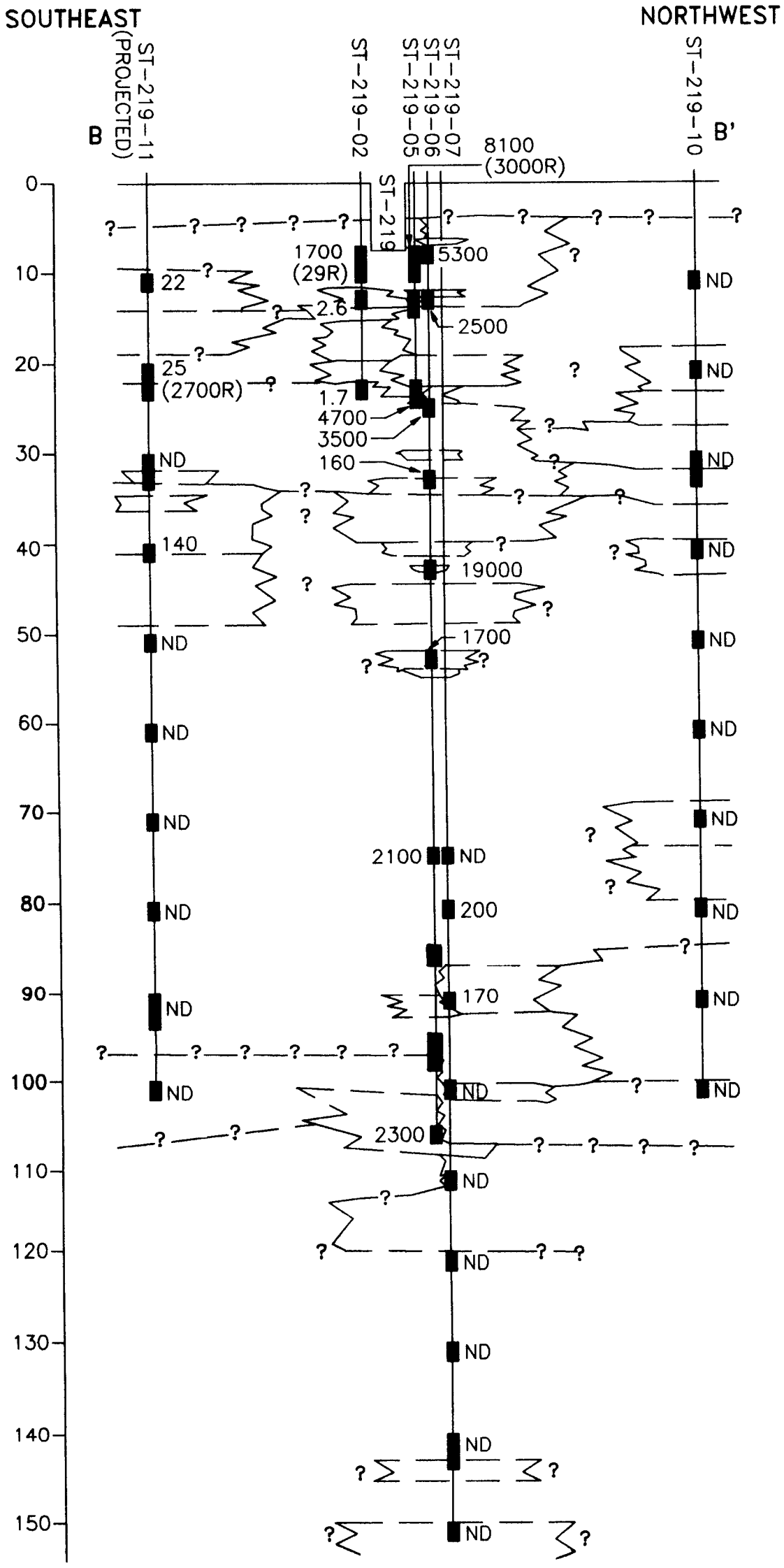
SAMPLE INTERVAL WITH DIESEL RANGE HYDROCARBON CONCENTRATION (mg/kg)

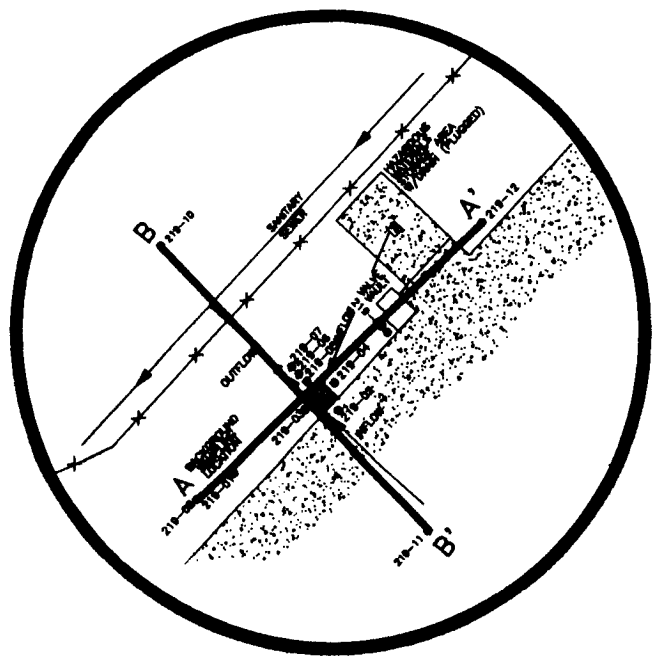
R = REPLICATE SAMPLE ANALYTICAL RESULT

HORIZONTAL SCALE: 1" = 30'
VERTICAL SCALE: 1" = 15'
VERTICAL EXAGGERATION = 2X

FIGURE 21-4

DIESEL RANGE HYDROCARBON CONCENTRATIONS IN SOIL SAMPLES FROM BOREHOLES ALONG SECTION A-A' AT ST-219, BUILDING 481/482, KIRTLAND AFB, NEW MEXICO





SITE LOCATION
SCALE : 1"=150'

LEGEND

ST-219-09

BOREHOLE IDENTIFICATION

8100 (3600R)

SAMPLE INTERVAL WITH DIESEL RANGE HYDROCARBON CONCENTRATION (mg/kg)

R = REPLICATE SAMPLE ANALYTICAL RESULT

FIGURE 21-5

DIESEL RANGE HYDROCARBON CONCENTRATIONS IN SOIL SAMPLES FROM BOREHOLES ALONG SECTION B-B' AT ST-219, BUILDING 481/482, KIRTLAND AFB, NEW MEXICO

HORIZONTAL SCALE: 1" = 30'
VERTICAL SCALE: 1" = 15'
VERTICAL EXAGGERATION = 2X

was found in the 105- to 107-ft sample from borehole ST-219-06. Although samples were only collected from a depth of 72 to 152 ft in adjacent borehole ST-219-07, no gasoline range hydrocarbons were detected.

Based on these hydrocarbon detections, released hydrocarbons appear to have migrated east-northeast to the vicinity of borehole ST-219-09, and possibly southwest to the vicinity of borehole ST-219-08. The detections at ST-219-08 and ST-219-01 may be unrelated to the OWS release. The detections at borehole ST-219-11 may be related to a release from the area drain or drain discharge line.

An estimate of the diesel hydrocarbon contaminant mass present in the subsurface soil at ST-219 was calculated by the following method. All the diesel hydrocarbons were assumed to be contained in a 40-ft-diameter cylinder 100-ft-deep centered on borehole ST-219-09. This borehole had the highest diesel hydrocarbon concentrations measured at ST-219 and was sampled every 10 ft from the surface to a depth of 102 ft.

The contaminant mass was estimated by first dividing the cylinder into increments along its length at depths midway between adjacent samples. The result was nine 10 ft-thick and two 6-ft-thick sections. The section volume was then calculated. The diesel hydrocarbon concentration of the sample centered inside each section was assumed to be constant throughout that section. The contaminant mass for the section was calculated by multiplying the section volume by the bulk density and the diesel hydrocarbon concentration in that section. The results for each section were then totaled to get the total mass in the cylinder.

Since this calculation proved to be sensitive to changes in bulk density, bulk densities typical of two dominant lithologies present at ST-219 were used to calculate a possible range of contaminant mass. The first calculation used a bulk density of 1.6 g/cm^3, typical of silty sands, and the second calculation used a bulk density of 2.24 g/cm^3, typical of coarse sand. The diesel fuel contaminant mass was then calculated at 32,400 and 46,000 kg, respectively. Assuming a diesel fuel density of 0.7 g/cm^3, these masses are equivalent to 46,200 and 65,900 liters, respectively.

These values appear to be extreme, but there is no information regarding the length of time OWS ST-219 has been releasing fluids to the subsurface.

Metals

Table 21-3 lists all reportable metal concentrations detected at ST-219. Several metals were detected above the UTL concentration but below the HHRB action level. These included this following:

chromium (up to 92 mg/kg) in samples from boreholes ST-219-02, ST-219-03, ST-219-04, ST-219-06, and ST-219-10; cobalt (up to 13.4 mg/kg) in boreholes ST-219-04 and ST-219-06; zinc (up to 401 mg/kg) in boreholes ST-219-02, ST-219-06, and ST-219-07; copper (up to 158 mg/kg) in borehole ST-219-02; vanadium (up to 49.9 mg/kg) in borehole ST-219-02; and lead (up to 83.2 mg/kg) in borehole ST-219-04.

Beryllium (ND to 1.4 mg/kg), arsenic (ND to 8.9 mg/kg), and manganese (37.8 to 760 mg/kg) were detected in several boreholes above their HHRB action levels (Table 21-3). These concentrations of beryllium, arsenic, and manganese appear to be naturally occurring throughout Kirtland AFB, as discussed in Section 4.2.2.

Table 21-4 lists TCLP metal analysis results for samples collected in boreholes ST-219-08, ST-219-09, ST-219-10, ST-219-11, and ST-219-12.

Ignitability

Table 21-4 lists ignitability analysis results for samples collected in boreholes ST-219-08, ST-219-09, ST-219-10, ST-219-11, and ST-219-12. All the samples collected from borehole ST-219-09 were combustible at temperatures between 115 and 150°F. Samples below a depth of 70 ft in borehole ST-219-08 were combustible at temperatures between 100 and 130°F. About half of the samples in borehole ST-219-10 were combustible at temperatures between 110 and 155 ° F. Only the 30- to 32-ft sample in borehole ST-219-12 was combustible (160°F). None of the samples in borehole ST-219-11 was combustible.

Soil pH and Moisture

Soil pH ranged from 7.2 to 9.3 in these samples. Soil moisture values ranged from 2.3 to 22.7 percent (Table 21-3).

21.5 Conclusions and Recommendations

Conclusions

- Further releases from ST-219 are unlikely since this unit has been removed. The inflow piping has been re-routed around the unit and into the storm sewer running along Aberdeen Drive.
- Several VOCs and SVOCs were detected. Only tetrachloroethylene and trichloroethylene were detected above their HHRB action levels. No SVOCs were detected at concentrations exceeding HHRB action levels.

Table 21-4. Summary of Reportable Concentrations for TCLP Metals and Ignitability Analyses for Soil Samples at OWS ST-219, Building 481/482, Kirtland AFB, New Mexico [Concentrations (mg/kg)]

Analyte	Borehole Number and Sample Depth Interval (ft)										
	ST-219-08										
	10-12	20-22	30-32	40-42	55-57	60-62	70-74	70-74 FR	80-84	90-92	100-102
Arsenic	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Barium	1.590	0.541	0.691	0.867	0.605	1.120	0.749	0.455	1.540	0.423	0.430
Cadmium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.00
Chromium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.02
Lead	ND	ND	ND	0.070	ND	0.082	ND	ND	ND	ND	ND
Mercury	ND	ND	ND	0.00	ND	0.00	ND	ND	ND	ND	0.00
Selenium	ND	ND	ND	ND	0.06	ND	ND	ND	ND	ND	ND
Silver	0.01	ND	ND	ND	ND	ND	ND	0.01	ND	ND	ND
Ignitability (° F)	NC	NC	NC	NC	NC	NC	120	130	100	100	115

NC = No Combustion (> 200 ° F)

ND = Not Detected

-- = Not Sampled

Analyte	Borehole Number and Sample Depth Interval (ft)									
	ST-219-09									
	10-12	20-22	30-32	40-44	50-52	60-62	70-72	80-82	90-92	100-102
Arsenic	0.01	ND	ND	ND	ND	ND	ND	ND	ND	0.01
Barium	2.000	1.260	1.140	1.000	0.448	0.598	0.510	0.699	0.599	0.438
Cadmium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium	ND	ND	0.0092	ND	0.0110	ND	ND	ND	ND	ND
Lead	0.0103	0.0135	0.0068	ND	0.0062	0.0044	0.0015	0.0011	0.0016	0.0033
Mercury	ND	ND	ND	0.00021	ND	ND	ND	0.00024	ND	ND
Selenium	ND	ND	ND	ND	0.0049	ND	ND	0.007	0.0053	ND
Silver	ND	ND	ND	ND	0.0065	ND	ND	ND	ND	ND
Ignitability (° F)	140	130	125	150	140	140	145	150	130	115

NC = No Combustion (> 200 ° F)

ND = Not Detected

-- = Not Sampled

Analyte	Borehole Number and Sample Depth Interval (ft)										
	ST-219-10										
	10-12	20-22	30-34	30-34 FR	40-42	50-52	60-62	70-72	80-82	90-92	100-102
Arsenic	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.01
Barium	1.190	0.296	0.843	0.846	1.270	0.549	0.547	0.502	0.601	0.617	0.566
Cadmium	0.0044	ND	ND	ND	0.0041	ND	ND	ND	ND	ND	0.0039
Chromium	0.0077	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0073
Lead	0.0048	0.0018	0.0020	0.0034	0.0037	0.0016	0.0028	0.0015	0.0035	0.0021	0.0039
Mercury	0.00021	0.00024	0.00038	ND	ND	ND	ND	ND	ND	ND	ND
Selenium	0.0056	ND	0.0045	0.0049	0.0058	0.0059	ND	ND	ND	0.0069	0.0060
Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ignitability (°F)	150	155	110	NC	145	NC	NC	NC	NC	155	150

NC = No Combustion (> 200 ° F)

ND = Not Detected

-- = Not Sampled

Analyte	Borehole Number and Sample Depth Interval (ft)											
	ST-219-11											
	10-12	20-24	20-24 FR	30-34	40-42	50-52	60-62	70-72	80-82	90-94	90-94 FR	100-102
Arsenic	--	0.03	0.05	0.03	ND	0.04	0.04	ND	ND	0.05	0.06	0.05
Barium	--	1.700	1.760	1.870	0.585	0.648	0.830	0.970	0.804	2.630	0.720	0.427
Cadmium	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium	--	ND	ND	ND	ND	0.0104	0.0114	ND	ND	0.0106	ND	ND
Lead	--	ND	ND	ND	0.0633	ND	ND	ND	ND	ND	ND	0.0063
Mercury	--	ND	ND	ND	ND	ND	0.0020	ND	0.0014	ND	ND	0.00016
Selenium	--	0.0076	0.0096	0.0050	0.0076	0.0089	ND	0.0080	0.0087	0.0080	0.0070	0.0049
Silver	--	ND	ND	ND	0.0066	0.0091	ND	0.0056	0.0080	0.0094	0.0059	ND
Ignitability (°F)	--	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC

NC = No Combustion (> 200 ° F)

ND = Not Detected

-- = Not Sampled

Analyte	Borehole Number and Sample Depth Interval (ft)										
	ST-219-12										
	10-12	20-22	30-32	40-44	40-44 FR	50-54	60-62	70-72	80-82	90-92	100-102
Arsenic	ND	ND	ND	0.05	0.04	ND	ND	ND	ND	ND	0.03
Barium	0.542	0.370	0.643	0.911	0.423	0.746	0.747	0.781	0.573	0.726	0.414
Cadmium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium	ND	ND	ND	ND	ND	0.0011	ND	ND	ND	ND	ND
Lead	ND	ND	ND	ND	ND	ND	0.0087	ND	ND	ND	ND
Mercury	0.00034	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.00020
Selenium	ND	0.0055	0.0068	0.0073	0.0056	0.0043	0.0050	0.0075	0.0059	0.0049	0.0077
Silver	ND	ND	ND	ND	ND	ND	0.0093	0.0084	0.0088	0.0082	ND
Ignitability (° F)	NC	NC	160	NC	NC	NC	NC	NC	NC	NC	NC

NC = No Combustion (> 200 ° F)
ND = Not Detected
-- = Not Sampled

- Diesel range hydrocarbons were detected in all boreholes except ST-219-10 and ST-219-12. Most detections exceeded the NMED action level of 100 mg/kg. The highest concentration was measured in the 100- to 102-ft sample from borehole ST-219-09, indicating that diesel contamination may extend deeper at this location. The distribution of diesel hydrocarbon detections suggests that vertical migration is dominant; however, the detection in the 70- to 74-ft sample from borehole ST-219-08 may indicate a southwesterly migration direction while the concentrations in borehole ST-219-09 may indicate a northeasterly migration direction.

- The absence of diesel hydrocarbons below a depth of about 95 ft in borehole ST-219-07 is confirmed by the SVOC analytical results. No compounds associated with fuels (e.g., naphthalene, benzo(a)pyrene) were detected in deeper samples. The presence of diesel hydrocarbons in adjacent borehole ST-219-06 may indicate preferential channeling and predominantly vertical migration at this location.

- Borehole ST-219-11 was drilled near an area drain that discharges into the OWS. The diesel hydrocarbon detections in the upper 40 ft of borehole ST-219-11 may be due to possible leakage from the area drain or piping system. The 40- to 42-ft sample concentration (140 mg/kg) exceeded the NMED action level of 100 mg/kg. No diesel hydrocarbons were detected below the 40- to 42-ft sample.

- Gasoline range hydrocarbons were detected only in the boreholes adjacent to the OWS and apparently extend to a depth of about 100 ft. Samples collected below approximately 40 ft did not exceed the NMED action level of 100 mg/kg.

- Ignitability results did not always correlate with the VOC, SVOC, or petroleum hydrocarbon detections. This may indicate the presence of additional compounds, such as alcohols, which would not be detected by the analyses performed.

- Beryllium was present in most samples at concentrations above the HHRB action level of 0.2 mg/kg. In a few samples the UTL concentration of 0.83 mg/kg was exceeded. These concentrations of beryllium appear to be naturally occurring throughout Kirtland AFB, as discussed in Section 4.2.2.

- Arsenic and manganese were present in several samples at concentrations exceeding their HHRB action levels. These elevated concentrations appear to be naturally occurring throughout Kirtland AFB, as discussed in Section 4.2.2.

- In response to USEPA's comments on the Stage 2B Work Plan, OWS ST-219 was removed as an interim in October 1994. The discharge from the associated area drain was connected to the existing storm sewer system.

- Estimates of the diesel hydrocarbon contaminant mass in the subsurface at ST-219 range from 32,400 to 46,000 kg. This mass is equivalent to diesel fuel volume of 46,200 to 65,900 liters.

Recommendations

- A CMS should be performed to evaluate potential strategies for source removal. Additional soil sampling should be performed to define the vertical and horizontal extent of contamination below the site. Activities should also include the preparation of a human health risk assessment using all site-specific data.

- Additional releases have probably occurred southwest and southeast of the OWS as indicated by the diesel hydrocarbon detections in boreholes ST-219-01 and ST-219-11. Additional sampling, or possibly a soil vapor survey, should be performed to locate and define possible release sites.

- Additional chemical analyses should be performed on any collected soil samples collected to identify the source of the anomalous ignitability results.

22.0 Site ST-220, Floor Drain

22.1 Site Background and Environmental Setting

Floor drain ST-220 is located in the western portion of Kirtland AFB in the center of the floor inside the south hangar bay of building 1001 (Figure 22-1). It is made of concrete with a slotted metal grate cover and measures 11.2 ft long, 2.5 ft wide (outside diameter), and 4.0 ft deep. The south hangar bay of building 1001 is used for aircraft maintenance. ST-220 was investigated on June 13, 1994. During the investigation, it was determined that the inflow and outflow lines had been re-routed and the former lines leading to and from ST-220 had been permanently sealed off. The manhole mentioned in the USGS Work Plan (USGS, 1993) had also been removed. However, as long as the slotted metal cover is in place over the floor drain, the unit continues to serve as a runoff collection point.

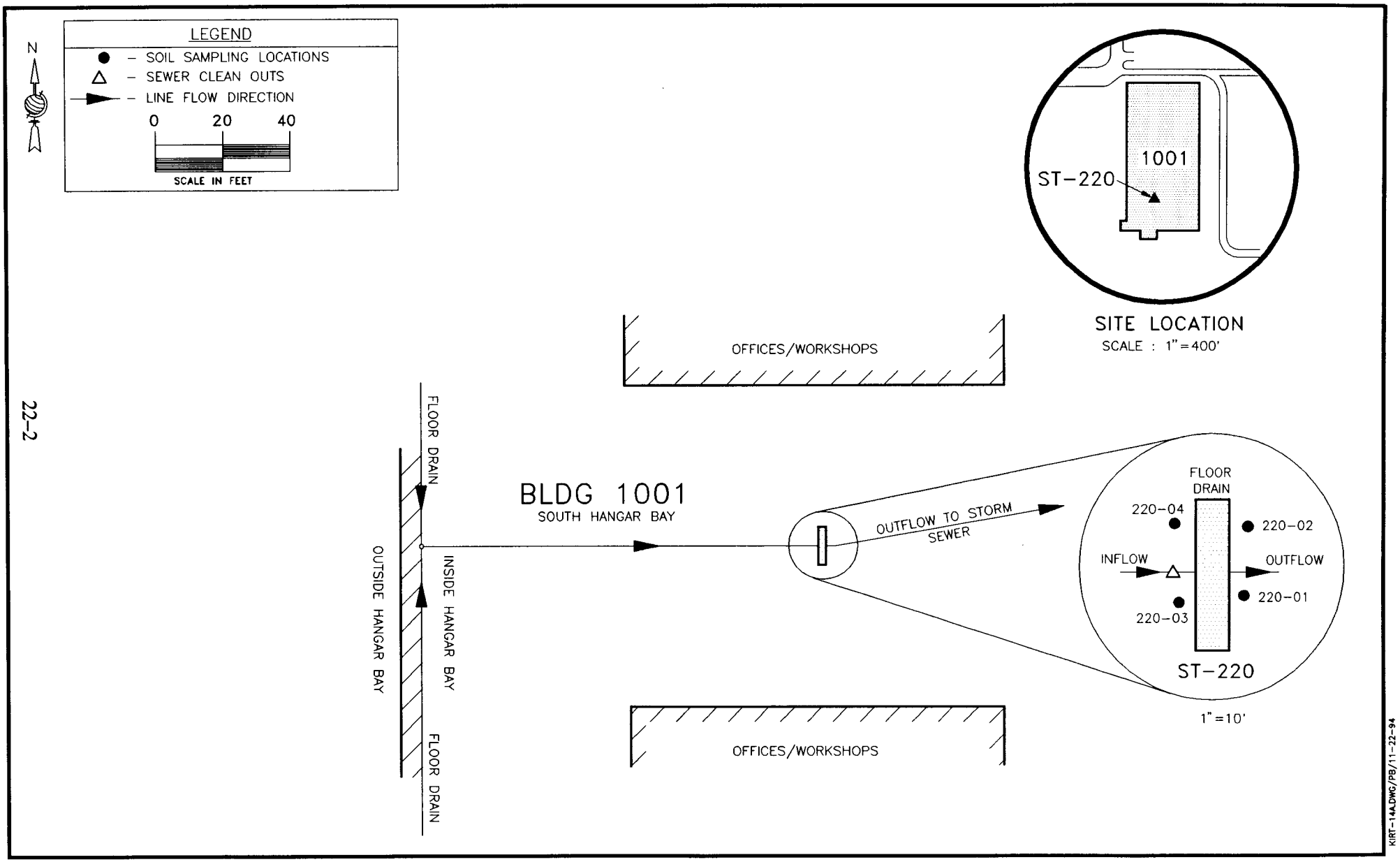
In the 1950s and 1960s, aircraft used for taking post-nuclear detonation measurements over the Nevada Test Site may have been washed down at ST-221 and/or ST-220. A radiological survey of the site was conducted by Kirtland AFB Bio-environmental Division on October 26, 1992. Mr. Harry Davidson (Kirtland AFB Environmental Management, pers. commun. to the USGS, November 18, 1992) indicated that the survey found no radiological activity above background levels (USGS, 1993a).

In the past, ST-220 received discharge from a series of floor drains located along the west side of building 1001. The unit also received runoff generated from aircraft maintenance activities. The unit discharged east through a buried outflow line connected to a storm sewer lateral running along the east side of building 1001. If this unit were to overflow, runoff would pool in the immediate area or possibly flow to floor drains located along the hangar bay doors and be discharged to the storm sewer system.

Building 1001 is located in the urban/industrial environmental zone. This environmental setting is discussed in Section 2.0. The nearest production wells to this site are KAFB-14, located 750 ft to the northwest, KAFB-12, located 4,000 ft to the northwest, and KAFB-2, located 4,300 ft to the southeast (Figure 2-11).

22.2 Study Area Investigation

Possible source materials were not investigated in this study. Previous investigations sampled source materials as described below.



SOIL SAMPLING LOCATIONS AT FLOOR DRAIN ST-220, BUILDING 1001

FIGURE 22-1

RCRA FACILITY INVESTIGATION STAGE 2B KIRTLAND AIR FORCE BASE, NEW MEXICO

22.2.1 Previous Investigations

In 1990, 1991, and 1992, a Kirtland AFB environmental contractor sampled material contained in floor drain ST-220. A complete report of the laboratory analyses is contained in Appendix B of the Stage 2B Work Plan (USGS, 1993). The 1991 sample contained 425,000 mg/kg TPH, 37.5 mg/kg benzene, and 18.9 mg/kg ethylbenzene. The 1992 sample contained 508 mg/kg TPH (USGS, 1993a).

22.2.2 Data Gaps

The main objective of this investigation was to determine the presence of contamination in the subsurface soil adjacent to the site. A secondary objective was to determine the floor drain outflow and potential surface runoff destinations.

22.2.3 RFI Field Investigation

On June 13, 1994, four boreholes were drilled and sampled at ST-220 using a Geoprobe system (Figure 22-1). Soil samples were obtained for laboratory analyses at depths 3 and 10 ft below the base of the area drain (i.e., 7 and 14 ft below grade). Boreholes were located near each corner of floor drain ST-220. Prior to drilling, concrete coring was performed at each ST-220 borehole location.

Due to the proximity of ST-220 and ST-221, one borehole was used for background concentration data for both sites (ST-221-01) . This borehole was located away from any known or suspected contamination. Analytical results and discussion regarding ST-221-01 are presented in Section 23.0.

Sampling operations and sample handling procedures are described in Section 3.0 of this report. Sample depths, sample location, and replicate samples collected ST-220 are listed in Table 22-1. The soil boring logs for the boreholes drilled and sampled at ST-220 are in Appendix C.

Table 22-1. Boreholes and Samples Collected at Floor Drain ST-220, Building 1001

Site	Borehole	Borehole Location	Sample Depths (ft)
ST-220	01	Southeast corner of floor drain	7-9
			14-16
	02	Northeast corner of floor drain	7-11[a]
			14-16
	03	Southwest corner of floor drain	7-9
			14-16
	04	Northwest corner of floor drain	7-9
			14-16

a. Replicate sample also collected at this depth interval.

22.2.4 Laboratory Analysis

Including a replicate sample, nine soil samples were collected at ST-220. Samples were analyzed for VOCs, SVOCs, TPH, metals, mercury (the expected contaminants associated with normal operations at this building), soil pH, and soil moisture. Soil samples at ST-220 were also analyzed for gross alpha and gross beta activity to evaluate potential contamination associates with the plane washing activities of the 1950s and 1960s. Soil samples were field screened for possible contamination using gamma and beta-gamma meters, and a PID. All field screening instrument readings remained at background levels throughout drilling and sampling activities at ST-220.

22.3 Site Characteristics

22.3.1 Geology

The area surrounding ST-220 is underlain by unconsolidated alluvial sediments. The sediments are predominantly fine-grained sands and very fine-grained to fine-grained silty sands. Caliche was present in samples collected for lithological classification as light- to heavily-stained patches just below the concrete-soil interface. A maximum depth of 16 ft below grade was attained in each borehole drilled at ST-220. No boreholes penetrated into the Santa Fe Group sediments that presumably underlie this area. A discussion of the general geology at Kirtland AFB is presented in Section 2.4.

As a result of floor drain installation, it is probable that backfill material is present. Borehole logs for this site are presented in Appendix C.

22.3.2 Hydrogeology

Groundwater beneath ST-220 is found within the Upper Santa Fe sediments and is generally thought to be unconfined in the upper portion of the aquifer. This area is within the HR1 saturated zone setting as defined by SNL studies (Figure 2-9) (SNL, 1994). Hydrologic characterization in this portion of Kirtland AFB is complicated by the presence of numerous production wells (Figure 2-11). It is probable that uniform groundwater conditions do not exist in this region. Local cones of depression associated with groundwater withdrawal have altered the groundwater flow direction in the vicinity of the well fields (Figure 2-7).

It is probable that the gradient is north-northeasterly in this area. Three production wells are located near ST-220. It is believed that production wells KAFB-14, located 750 ft to the northwest, and KAFB-12, located 4,000 ft northwest, are downgradient or cross gradient from building 1001. KAFB-2, located 4,300 ft to the southeast, is believed to be upgradient from the site (Figures 2-7 and

2-11). Depth to groundwater is estimated to be about 350 ft below grade (Figure 2-10); however, shallower perched water zones may occur. Hydraulic conductivity within HR1 is estimated at 2 to 171 ft/day (SNL, 1994). A general discussion of the hydrogeology at Kirtland AFB is presented in Section 2.5.

22.4 Nature and Extent of Contamination

The following section describes the nature and extent of contamination based on sampling results. Analytical results are presented in Table 22-2, where only reportable concentrations of detected analytes are listed. Full analytical results are presented in Appendix G. Laboratory validation reports are presented in Appendix K. Analytical data for the background sampling borehole, ST-221-01, are in Table 23-2, Section 23.0.

Organic Compounds

Acetone and methylene chloride were the only VOC analytes detected in the soil samples collected at ST-220. These compounds were not detected at concentrations exceeding HHRB action levels (Table 22-2). These compounds were detected in associated QC samples and are believed to be the result of laboratory contamination as discussed in Section 3.5.1.

SVOC analytes di-n-butylphthalate and phenol were detected in one or more of the soil samples collected at ST-220. Di-n-butylphthalate was present in six samples at concentrations ranging from 0.23 to 0.32 mg/kg. Phenol was present in five soil samples at concentrations ranging from 0.16 to 0.29 mg/kg. These concentrations do not exceed HHRB action levels (Table 22-2).

Petroleum Hydrocarbons

Diesel range and gasoline range hydrocarbons were detected in all samples. Diesel range hydrocarbon concentrations ranged from 0.66 to 1.2 mg/kg. Gasoline range hydrocarbon concentrations ranged from 0.75 to 1.0 mg/kg. These detections did not exceed the NMED action level of 100 mg/kg for petroleum hydrocarbons (Table 22-2). These hydrocarbons were present at similar concentrations in associated QC samples and may not indicate the presence of petroleum hydrocarbons in soil.

Table 22-2. Summary of Reportable Concentrations for Soil Analyses at Floor Drain ST-220, Bldg. 1001, Kirtland AFB, New Mexico[Ψ,1] [Concentrations (mg/kg)]

Chemical Class	Analyte	PQL UTL	HHRB Action Level[2]	Borehole Number and Sample Interval Depth (ft)								
				ST-220-01		*ST-220-02*			*ST-220-03*		*ST-220-04*	
				7–9	14–16	7–11	7–11 FR	14–16	7–9	14–16	7–9	14–16
VOC	Acetone	0.1	8000	ND	ND	ND	ND	ND	ND	ND	ND	0.0063 J
	Methylene Chloride	0.005	93.3	0.0029 J	0.0022 J	0.0015 J	ND	0.0018 J	0.004 J	0.004 J	0.0041 J	0.0047 J
SVOC	di-n-Butylphthalate	0.7	8000	0.230	ND	0.270	0.260	0.320	ND	0.240	ND	0.280
	Phenol	0.3	48000	0.160	0.160	ND	ND	ND	0.290	0.190	0.190	ND
TPH	Diesel Fraction	10	100	1.1	0.7	0.84	0.68	1.2	0.67	0.66	0.97	0.78
	Gasoline Fraction	1	100	1	0.92	0.96	0.85	0.86	0.81	0.75	0.83	0.77
METALS	Aluminum	13300	N/A	6990	7280	13900	7570	6570	10100	9700	8470	5980
	Barium	496	5600	97.6	96.8	79.5	41.2	35.9	50.0	46.3	118	40.6
	Beryllium	0.83	0.2	0.54	0.55	0.8	0.54	0.43	0.67	0.66	0.56	0.43
	Calcium	119000	N/A	28100	35800	44100	14200	15400	22200	34300	22700	32100
	Chromium, Total	14.9	14.9	7.8	6.4	12.4	7.6	6.9	9.9	9.2	8.5	6.4
	Cobalt	11.3	N/A	5.0	4.3	7.0	4.4	4.3	6.4	5.6	6.7	4.8
	Copper	135	N/A	89.0	41.2	10.0	27.3	35.8	65.3	40.8	41.5	41.1
	Iron	20900	N/A	9580	9580	15100	10500	9370	11800	11500	11500	8210
	Lead	22.9	400	6.0	6.9	7.6	4.8	6.3	6.3	4.0	7.5	4.3
	Magnesium	8730	N/A	3680	3660	6360	3720	2700	4570	4160	4330	3030
	Manganese	435	400	166	159	296	167	135	207	177	238	135
	Mercury	N/A	N/A	ND	ND	0.13	ND	ND	ND	ND	ND	ND
	Nickel	54.4	1600	11.2	6.8	9.4	8.3	6.5	7.6	5.1	9.1	4.9
	Potassium	2730	N/A	1230	1460	2110	1290	1120	1590	1740	1410	1160
	Sodium	519	N/A	183	325	344	265	260	164	312	217	302
	Vanadium	49.2	720	23.3	22.2	37.1	23.7	21.7	35.9	27.5	28.7	18.3
	Zinc	81.6	24000	59.3	34.8	35.2	32.5	30.4	49.0	41.2	40.3	33.0
RAD (pCi/g)	Gross Alpha			14 ± 2	20 ± 6	20 ± 6	13 ± 3	12 ± 2	9 ± 5.9	20 ± 11	16 ± 10	4.7 ± 4.4
	Gross Beta			20 ± 2	20 ± 3	22 ± 3	21 ± 3	20 ± 2	20 ± 3	23 ± 5	20 ± 5	13 ± 2
OTHER	Moisture (%)			7.4	8.7	12.6	8.1	6.4	10.0	9.0	9.1	7.4
	pH			8.6	8.3	8.5	8.9	8.6	8.4	8.5	8.2	8.4

Ψ Complete table footnotes can be found after the last table in this section.

1 Complete laboratory analytical results including method detection limits are presented in the ITIR appendices.

2 Action Level Proposed Rule RCRA Subpart S Action Levels (55 FR 30814, 7/27/90).

*; TPH action level is 100 mg/kg adopted from NM UST regulations (USGS 2B Work Plan 3.6, NM El Board, 1990). SW-8015 analyzes volatile and semivolatile petroleum hydrocarbon fractions separately. The total concentration of the two fractions analyzed under 8015 will be used to assess compliance with stipulated action levels for the purpose of this RFI.

PQL; Practical Quantitation Limits (defines VOC, SVOC and TPH).

pCi/g; Picocuries per gram.

VOC; Volatile Organic Compounds.

TPH; Total Petroleum Hydrocarbons.

RAD; Radionuclides.

ND; Not Detected above the method detection limit.

U; Accept data (positive results may be influenced by lab contamination).

RE; Resample.

NA; Not Analyzed

UTL; Upper Tolerance Limits (defines METALS).

HHRB; Human Health Risk Based.

SVOC; Semivolatile Organic Compounds.

FR; Field Replicate.

UJ; Estimated Nondetect.

J; Estimated value.

R; Reject NDs due to interference.

--; No Data.

Metals

Several metals were detected at ST-220; however, only beryllium was present at concentrations above the HHRB action level. Beryllium concentrations ranged from 0.43 to 0.8 mg/kg, above the HHRB action level of 0.2 mg/kg. The UTL for beryllium, 0.83 mg/kg, was not exceeded in any of the samples collected at ST-220. These beryllium concentrations may be naturally occurring at Kirtland AFB as discussed in Section 4.2.2. No other metals were detected at concentrations exceeding UTLs or HHRB action levels. Mercury (0.13 mg/kg) was detected only in the 7- to 11-ft sample from borehole ST-220-02. This concentration is below the 20 mg/kg HHRB action level.

Gross Alpha and Gross Beta

A screening level analysis was performed on gross alpha and gross beta data generated from soil samples collected at ST-220 to determine if radiological materials had been released to subsurface soil. A comparison of sample and background population arithmetic means was performed to determine if the sample and background populations were equal. Background data for this comparison included the single background sampling borehole ST-221-01, data collected at radioactive burial site RB-11 during the Kirtland AFB Stage 2D RFI, and data collected by SNL (Kirtland AFB, 1994). The analysis determined with 95-percent confidence that the background and site data sets are from the same population. Therefore, it is concluded that there have been no releases of alpha- or beta-emitting radionuclides to subsurface soil at this site.

Soil pH and Moisture

Soil pH ranged from 8.2 to 8.9. Soil moisture ranged from 6.4 to 12.6 percent (Table 22-2).

22.5 Conclusions and Recommendations

Conclusions

- The VOCs methylene chloride and acetone were detected in soil samples at this site; however, all concentrations were below HHRB action levels. Concentrations of the two SVOC analytes detected, di-n-butylphthalate and phenol, did not exceed HHRB action levels.

- Neither diesel range nor gasoline range hydrocarbon concentrations exceeded the NMED action level of 100 mg/kg.

- Beryllium was present above the HHRB action level of 0.2 mg/kg, but below the UTL of 0.83 mg/kg. These concentrations of beryllium appear to be naturally occurring throughout Kirtland AFB.

- A screening level analysis performed on gross alpha and gross beta data for these soil samples concluded with 95-percent confidence that there have been no releases of alpha- or beta-emitting radionuclides to the soil at ST-220.
- ST-218 analytical results are not indicative of a release from this unit.

Recommendations

- Based on the findings of the RFI, no further action is necessary; therefore, Site ST-220 does not require further investigation. A No Further Action proposal should be prepared.

23.0 Site ST-221, Oil/Water Separator

23.1 Site Background and Environmental Setting

OWS ST-221 is located on the flight line between hangars 1001 and 1002 in the northwest portion of Kirtland AFB (Figure 23-1). ST-221 is made of concrete and has a metal grate cover. The unit measures 26 ft long, 21.7 ft wide (outside diameter), and 8 ft deep. It is divided by a concrete wall into two equal compartments. The east side of the unit houses the OWS and sediment trap, while the west side of the unit once contained a large compressor and surge tank (USGS, 1993). ST-221 receives inflow from two area drains located southeast and southwest that enter the unit through a single inflow line on the south side. ST-221 discharges east through an outflow pipe that connects to a storm sewer lateral. The area drained by ST-221 is used as an aircraft wash rack (USGS, 1993). ST-221 was investigated on June 14-15, 1994. If this unit were to overflow, runoff would flow to area drains located in the parking lot northwest of the site.

In the 1950s and 1960s, aircraft used for taking post-nuclear detonation measurements over the Nevada Test Site may have been washed down at ST-221 and/or ST-220. A radiological survey of the site was conducted by Kirtland AFB Bio-environmental Division on October 26, 1992. Mr. Harry Davidson (Kirtland AFB Environmental Management, pers. commun. to USGS, November 18, 1992) indicated that the survey found no radiological activity above background levels (USGS, 1993).

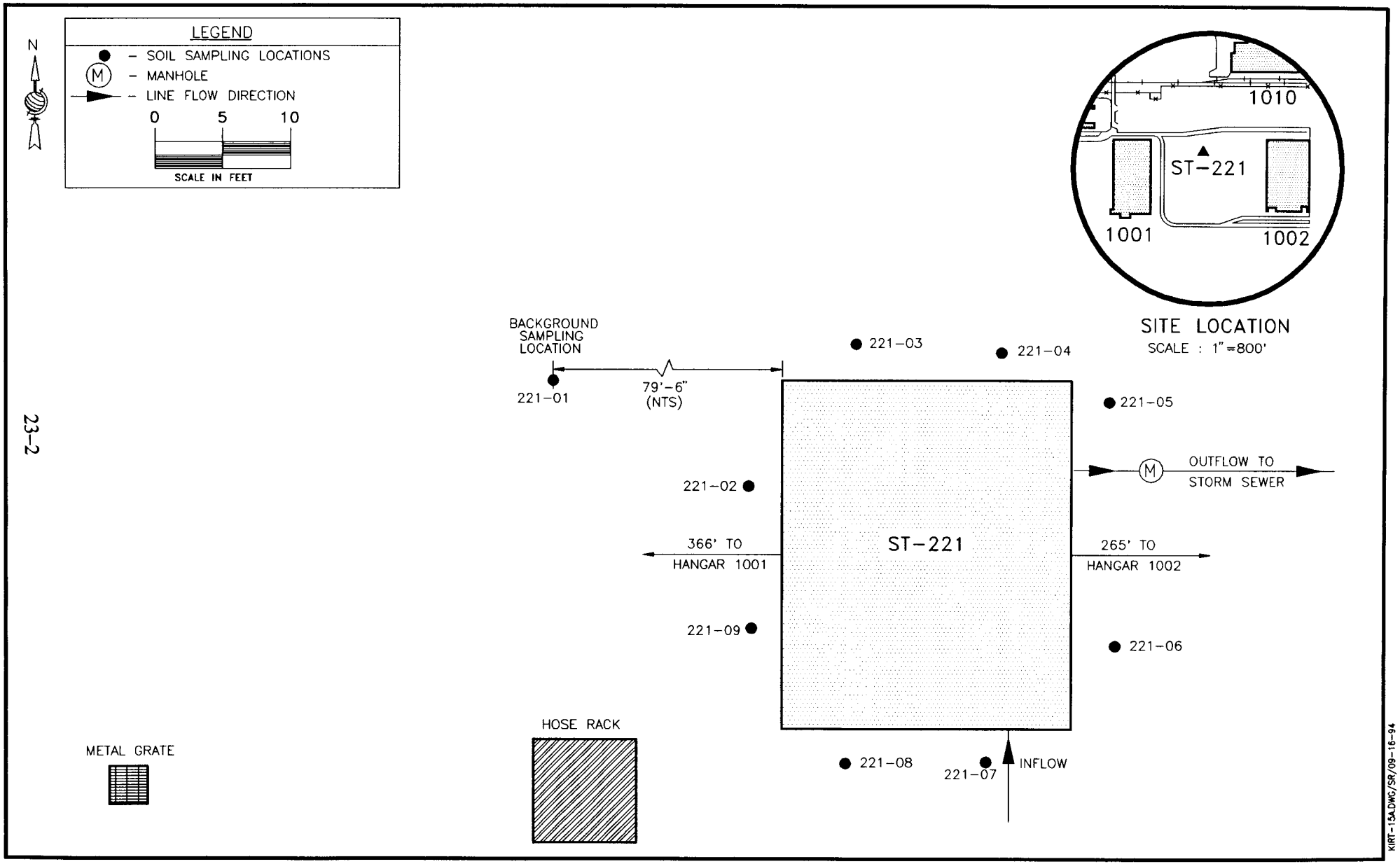
ST-221 is located in the urban/industrial environmental zone. This environmental setting is discussed in Section 2.0. The nearest production wells to this site are KAFB-14, located 900 ft to the northwest, KAFB-12, located 4,500 ft to the northwest, and KAFB-2, located 3,700 ft to the southeast (Figure 2-11).

23.2 Study Area Investigation

Possible source materials were not sampled in this investigation. Previous investigations sampled source materials, as described below.

23.2.1 Previous Investigations

In 1990, 1991, and 1992, a Kirtland AFB environmental contractor sampled the contents of the OWS ST-221. The 1992 sample contained 142 mg/kg TOX and 48.2 mg/kg chromium. This chromium



23-2

SOIL SAMPLING LOCATIONS AT OIL/WATER SEPARATOR ST-221, BUILDING 1001/1002

FIGURE 23-1

RCRA FACILITY INVESTIGATION STAGE 2B KIRTLAND AIR FORCE BASE, NEW MEXICO

concentration was greater than the RCRA toxicity limit of 5 mg/kg. Full results for the laboratory analyses are presented in Appendix B of the Stage 2B Work Plan (USGS, 1993a).

23.2.2 Data Gaps

The main objective of this investigation was to determine if contamination is present in the subsurface soil adjacent to the site. A secondary objective was to determine the unit's outflow and potential surface runoff destinations.

23.2.3 RFI Field Investigation

On June 14-15, 1994, nine boreholes were drilled and sampled at ST-221 using a Geoprobe system (Figure 23-1). Borehole number ST-221-01 was located approximately 80 ft west of the unit, in an area away from any known or suspected contamination for the purpose of collecting background concentration data. Samples were collected at depths equal to the base of the OWS, and 5 ft below the base of the unit (i.e., 8 ft and 13 ft below grade). Two boreholes were drilled and sampled on each side of the OWS (Figure 23-1). Prior to drilling, concrete coring was performed at each of the nine borehole locations.

Sampling operations and sample handling procedures are described in Section 3.0 of this report. Borehole locations, sample depths, and replicate samples collected at OWS ST-221 are listed in Table 23-1. Borehole logs are in Appendix C.

23.2.4 Laboratory Analysis

Including replicate samples, 22 soil samples were collected at ST-221. Samples were analyzed for VOCs, SVOCs, TPH, metals, mercury (the expected contaminants associated with normal operations at this site), soil pH, and soil moisture. Soil samples from ST-221 were also analyzed for gross alpha and gross beta activity to evaluate potential contamination associated with the plane washing activities of the 1950s and 1960s. The four brass tubes in each 2-ft sample interval were field screened for possible contamination using gamma and beta-gamma particle detection meters, a PID, and an FID. The brass tube with the highest PID and/or FID reading was submitted for VOC analysis. The highest PID and/or FID reading for each sample interval is listed in Table 23-1.

PID and FID readings above background were observed from the 8- to 10-ft and 13- to 15-ft samples in borehole ST-221-07. FID readings ranged from 4.0 ppm_V (background) to 800 ppm_V. Additional, deeper samples were collected for laboratory analysis at 10-ft intervals until no elevated PID and

FID readings were observed. The deepest soil sample collected for laboratory analysis was 33 to 35 ft below grade in borehole ST-221-07.

Table 23-1. Boreholes and Samples Collected at OWS ST-221, Buildings 1001/1002

Site	Borehole	Borehole Location	Sample Depths (ft)	PID/FID (ppm_v)[a,b]
ST-221	01	Background sample location 80 ft west of OWS	8-10 13-15	0/0 0/0
	02	North end of west side of OWS	8-10 13-15	0/0 0/0
	03	West end of north side of OWS	8-12[c] 13-17	0/0 0/0
	04	East end of north side of OWS	8-10 13-15	0/0 0/0
	05	North end of east side of OWS	8-10 13-15	0/0 0/0
	06	South end of east side of OWS	8-10 13-15	0/0 0/0
	07	East end of south side of OWS near inflow piping	8-10 13-15 23-27[c] 33-35	30/125 160/800 0/18 0/0
	08	West end of south side of OWS	8-10 13-15	0/0 0/0
	09	South end of west side of OWS	8-10 13-15	0/0 0/0

a. PID/FID readings are values above background.
b. ppm_v = parts per million volume (ml/L) as isobutylene for the PID and as methane for the FID.
c. Replicate sample also collected at this depth interval.

23.3 Site Characteristics

23.3.1 Geology

The area surrounding ST-221 is underlain by unconsolidated alluvial sediments. The sediments are predominantly fine-grained sands and very fine-grained to fine-grained silty sands. Caliche was present in samples collected for lithologic classification as light- to heavily-stained patches just below the concrete soil interface. Nine boreholes were drilled, and a maximum depth of 35 ft below grade was attained at borehole ST-221-07. No borehole penetrated into the Santa Fe Group sediments that presumably underlie this area. A discussion of the general geology at Kirtland AFB is presented in Section 2.4.

As a result of OWS installation, it is probable that backfill material is present adjacent to the separator to a depth equal to the unit's depth. Borehole logs for this site are presented in Appendix C.

23.3.2 Hydrogeology

Groundwater beneath ST-221 is found within the Upper Santa Fe sediments and is generally thought to be unconfined in the upper portion of the aquifer. This area is within the HR1 saturated zone setting as defined by SNL studies (Figure 2-9) (SNL, 1994). Hydrologic characterization in this portion of Kirtland AFB is complicated by the presence of numerous production wells (Figure 2-11). It is probable that uniform groundwater conditions do not exist in this region. Local cones of depression associated with groundwater withdrawal have altered the groundwater flow direction in the vicinity of the well fields (Figure 2-7).

It is probable that the gradient in this area is north to northeasterly. Three production wells are located near ST-221. It is believed that production wells KAFB-14, located 900 ft to the northwest, and KAFB-12, located 4,500 ft northwest, are downgradient or cross gradient from building 1001 (Figures 2-7 and 2-11). KAFB-2, located 3,700 ft to the southeast, is believed to be upgradient from the site. Depth to groundwater is estimated to be approximately 350 ft below grade (Figure 2-10); however, shallower perched water zones may occur. Hydraulic conductivity within HR1 is estimated at 2 to 171 ft/day (SNL, 1994). A general discussion of the hydrogeology at Kirtland AFB is presented in Section 2.5.

23.4 Nature and Extent of Contamination

The following section describes the nature and extent of contamination based on analytical results from soil samples collected at ST-221. Analytical results are presented in Table 23-2, where only reportable concentrations of detected analytes are listed. Complete analytical results are presented in Appendix G. Laboratory validation reports are presented in Appendix K.

Organic Compounds

VOC analytes detected in one or more of the soil samples collected at ST-221 include: acetone, 2-hexanone, methylene chloride, methyl ethyl ketone, and toluene. None of these compounds was detected at concentrations exceeding HHRB action levels (Table 23-2). Except for methylene chloride detections (0.63 mg/kg and 14 mg/kg) in the 8- to 10-ft and 13- to 15-ft samples from borehole ST-221-07, these compounds were found in associated QC samples and are believed to be the result of laboratory contamination.

Table 23-2. Summary of Reportable Concentrations for Soil Analyses at OWS ST-221, Bldg. 1001/1002, Kirtland AFB, New Mexico[Ψ,1]
[Concentrations (mg/kg)]

Chemical Class	Analyte	PQL UTL	HHRB Action Level[2]	Borehole Number and Sample Depth Interval (ft)										
				ST-221-01		ST-221-02		ST-221-03			ST-221-04		ST-221-05	
				8–10	13–15	8–10	13–15	8–12	8–12 FR	13–17	8–10	13–15	8–10	13–15
VOC	Acetone	0.1	8000	ND	0.009 J	0.0075 J	ND	0.0082 J	ND	ND	0.0081 J	0.0092 J	ND	0.011
	2-Hexanone	0.05	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Ethyl Ketone	0.1	48000	ND	ND	0.0026 J	ND	ND	ND	ND	ND	0.0027 J	ND	ND
	Methylene Chloride	0.005	93.3	0.0053	0.0049	0.0054	0.0036 U	0.0028 J	0.0031 J	0.0054	0.0038	0.0034 J	0.0036	0.0042
	Toluene	0.005	16000	0.016	0.0087	0.0016 J	ND	ND	ND	ND	0.024	ND	ND	ND
SVOC	di-n-Butylphthalate	0.7	8000	0.48	0.28	ND	0.35 J	0.34	0.36	0.26	0.31	0.42	0.32	0.40
	2-Methylnaphthalene	0.7	3200	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Naphthalene	0.7	3200	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Phenol	0.3	48000	0.31	0.35	0.30	ND	ND	ND	0.22	0.32	0.37	0.16	0.24
TPH	Diesel Fraction	10	100	0.77	0.48	6.4	1.7	1.6	1.8	1.8	1.4	1.1	5.4	1.8
	Gasoline Fraction	1	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
METALS	Aluminum	13300	N/A	7610	5940	7480	10400 J	8510	5800	8640	8120	7360	8040	7470
	Barium	496	5600	84.4	97.2	145	135	2480	56.2	104	49.3	44.7	191	123
	Beryllium	0.83	0.2	0.55	0.33	0.55	0.57	0.56	0.43	0.55	0.56	0.55	0.55	0.45
	Cadmium	N/A	40	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Calcium	119000	N/A	26100	123000	16300	70200	27100	8610	25600	33900	19100	48000	106000
	Chromium, Total	14.9	400	7.4	6.8	7.0	9.5 U	7.6	6.3	7.3	7.1	6.6	7.4	6.4
	Cobalt	11.3	N/A	5.6	4.1	5.7	5.2 J	6.4	4.9	5.0	5.6	4.2	6.0	4.7
	Copper	135	N/A	58.7	53.6	56.6	88.2 J	43.7	27.9	36.0	47.0	51.2	82.1	62.3
	Iron	20900	N/A	10700	8220	10700	12300	11700	9000	10700	11400	8820	10500	8610
	Lead	22.9	400	7.4	4.2	6.1	7.7 J	6.7	5.8	5.0	4.9	5.8	5.2	4.4
	Magnesium	8730	N/A	3960	3800	4090	4560	4350	3080	3600	4300	3120	4210	3860
	Manganese	435	400	213	134	233	153	252	173	136	228	133	231	214
	Molybdenum	N/A	400	ND	ND	ND	ND UJ	ND	ND	ND	ND	ND	ND	ND
	Nickel	54.4	1600	6.3	5.1	6.4	7.8	6.9	5.4	7.7	7.3	6.0	6.4	5.3
	Potassium	2730	N/A	1310	1140	1320	1820 J	1500	1070	1530	1430	1320	1350	1300
	Sodium	519	N/A	130	247	110	190 J	98.5	75.2	85.5	132	238	316	345
	Vanadium	49.2	720	34.2	20.8	32.5	26.4	34.7	23.4	22.8	28.8	21.0	32.1	19.8
	Zinc	81.6	24000	45.7	37.6	46.5	57.1 J	43.2	33.1	36.2	41.3	40.6	54.2	39.4
RAD (pCi/g)	Gross Alpha			17 ± 12	14 ± 11	23 ± 12	11 ± 9	21 ± 12	15 ± 11	15 ± 11	11 ± 10	19 ± 10	29 ± 14	12 ± 11
	Gross Beta			20 ± 5	12 ± 5	19 ± 5	18 ± 5	20 ± 5	19 ± 5	20 ± 5	20 ± 5	19 ± 5	26 ± 6	17 ± 5
OTHER	Moisture (%)			9.4	10.0	8.7	11.8	10.7	7.6	9.2	10.0	9.7	9.7	10.9
	pH			8.5	8.9	8.0	8.4	8.4	8.3	8.1	8.3	8.8	8.2	8.1

Ψ Complete table footnotes can be found after the last table in this section.

Chemical Class	Analyte	PQL UTL	HHRB Action Level[2]	Borehole Number and Sample Depth Interval (ft)										
				ST-221-06		*ST-221-07*					*ST-221-08*		*ST-221-09*	
				8–10	13–15	8–10	13–15	23–27	23–27 FR	33–35	8–10	13–15	8–10	13–15
VOC	Acetone	0.1	8000	ND	0.0051 J	ND	ND	ND	ND	ND	0.0087 J	0.0068 J	0.0049 J	0.0083 J
	2-Hexanone	0.05	N/A	ND	ND	ND	ND	ND	ND	ND	0.026 J	ND	ND	ND
	Methyl Ethyl Ketone	0.1	48000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methylene Chloride	0.005	93.3	0.0042	0.0045	0.63	14	0.0082	0.0065	0.011	0.005	0.0025 J	0.0041	0.0048
	Toluene	0.005	16000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SVOC	di-n-Butylphthalate	0.7	8000	0.41	0.34	0.45	0.47	ND	ND	ND	ND	ND	ND	ND
	2-Methylnaphthalene	0.7	3200	ND	ND	ND	0.23	ND	ND	ND	ND	ND	ND	ND
	Naphthalene	0.7	3200	ND	ND	ND	0.52	ND	ND	ND	ND	ND	ND	ND
	Phenol	0.3	48000	0.25	ND	0.17	ND	ND	ND	ND	ND	ND	ND	0.18
TPH	Diesel Fraction	10	100	0.44	0.15	10	370	1	0.36	1.3	0.42	0.69	1.5	1.7
	Gasoline Fraction	1	100	ND	ND	90	480	ND	ND	ND	ND	ND	ND	ND
METALS	Aluminum	13300	N/A	8890	11300	6940	6870	11000	11600	8240	8360	6830	8160	8290
	Barium	496	5600	137	89.9	146	154	91.7	106	86.2	261	44.6	91.9	126
	Beryllium	0.83	0.2	0.44	0.56	0.45	0.43	0.55	0.55	0.85	0.57	0.33	0.57	0.45
	Cadmium	N/A	40	ND	ND	ND	0.65	ND	ND	ND	0.57	ND	ND	ND
	Calcium	119000	N/A	21900	38400	17500	31600	25200	15300	16400	29500	18300	40100	24900
	Chromium, Total	14.9	400	5.9	8.3	6.7	7.8	8.4	7.9	9.6	7.5	6.9	7.4	6.1
	Cobalt	11.3	N/A	4.4	5.8	3.8	3.5	7.3	7.5	4.7	5.6	3.3	5.3	3.9
	Copper	135	N/A	78.5	128	37.3	81.2	40.0	33.9	66.2	14.7	54.1	37.4	84.3
	Iron	20900	N/A	9150	11300	9080	9290	16400	14700	11500	12200	7420	11900	8410
	Lead	22.9	400	3.8	5.5	6.0	6.1	8.7	6.6	5.6	ND	ND	5.1	ND
	Magnesium	8730	N/A	3540	4420	2800	3060	5510	4980	3860	4120	2160	4760	3350
	Manganese	435	400	178	169	203	119	327	322	250	218	132	234	136
	Molybdenum	N/A	400	ND	ND	ND	ND	ND	ND	6.2	ND	ND	ND	ND
	Nickel	54.4	1600	7.2	7.5	5.2	5.9	9.1	8.9	7.5	8.0	5.2	7.1	8.1
	Potassium	2730	N/A	1210	1700	1150	1340	2270	2190	1950	1690	1180	1500	1330
	Sodium	519	N/A	209	193	62.8	71.1	94.6	85.5	83.8	89.8	59.3	98.4	80.2
	Vanadium	49.2	720	26.7	25.1	25.9	22.8	34.1	31.5	24.2	30.6	17.6	31.7	19.1
	Zinc	81.6	24000	36.5	55.9	37.6	41.4	54.2	51.8	57.3	31.7	38.7	39.2	42.1
RAD (pCi/g)	Gross Alpha			23 ± 12	26 ± 12	20 ± 11	19 ± 11	24 ± 12	35 ± 15	34 ± 13	11 ± 11	11 ± 3	22 ± 13	8.4 ± 3.2
	Gross Beta			18 ± 5	22 ± 5	24 ± 5	23 ± 5	27 ± 5	19 ± 5	27 ± 6	20 ± 5	20 ± 2	20 ± 5	20 ± 2
OTHER	Moisture (%)			8.7	10.9	11.1	8.0	9.9	9.4	6.1	12.5	8.2	12.1	10.9
	pH			8.5	8.3	7.4	7.6	8.1	8.2	8.2	8.1	8.1	8.3	8.3

Ψ Complete table footnotes can be found after the last table in this section.

1 Complete laboratory analytical results including method detection limits are presented in the ITIR appendices.

2 Action Level Proposed Rule RCRA Subpart S Action Levels (55 FR 30814, 7/27/90).

*; TPH action level is 100 mg/kg adopted from NM UST regulations (USGS 2B Work Plan 3.6, NM El Board, 1990). SW-8015 analyzes volatile and semivolatile petroleum hydrocarbon fractions separately. The total concentration of the two fractions analyzed under 8015 will be used to assess compliance with stipulated action levels for the purpose of this RFI.

PQL; Practical Quantitation Limits (defines VOC, SVOC and TPH).

pCi/g; Picocuries per gram.

VOC; Volatile Organic Compounds.

TPH; Total Petroleum Hydrocarbons.

RAD; Radionuclides.

ND; Not Detected above the method detection limit.

U; Accept data (positive results may be influenced by lab contamination).

RE; Resample.

NA; Not Analyzed

UTL; Upper Tolerance Limits (defines METALS).

HHRB; Human Health Risk Based.

SVOC; Semivolatile Organic Compounds.

FR; Field Replicate.

UJ; Estimated Nondetect.

J; Estimated value.

R; Reject NDs due to interference.

--; No Data.

SVOC analytes detected in one or more of the soil samples collected at ST-221 include: phenol, 2-methylnaphthalene, naphthalene, and di-n-butylphthalate. Phenol was present in 11 of the 22 soil samples collected at the site. Phenol concentrations ranged from 0.16 to 0.37 mg/kg, below the HHRB action level of 48,000 mg/kg. Naphthalene and 2-methylnaphthalene were each detected in the 13- to 15-ft sample from borehole ST-221-07 at concentrations of 0.23 and 0.52 mg/kg, respectively. Di-n-butylphthalate was detected in 13 of the samples at concentrations ranging from 0.26 to 0.48 mg/kg, below the HHRB action level of 8,000 mg/kg (Table 23-2).

Petroleum Hydrocarbons

Diesel range hydrocarbons were detected in all samples collected at ST-221 (Table 23-2). Concentrations ranged from 0.15 to 370 mg/kg. The highest concentration (370 mg/kg) was measured in the 13- to 15-ft sample from borehole ST-221-07. This is the same sample that contains naphthalene and 2-methylnaphthalene. Gasoline range hydrocarbons were only detected in the 8- to 10-ft and 13- to 15-ft samples from borehole ST-221-07. The 8- to 10-ft sample contained gasoline range hydrocarbons at 90 mg/kg, and the 13- to 15-ft sample contained a concentration of 480 mg/kg. The TPH concentrations in the 13- to 15-ft sample exceeded the NMED action level, while the 8- to 10-ft sample equaled the NMED action level. All other detections were below the NMED action level.

Metals

Beryllium was the only metal detected in soil samples above the HHRB action level. Beryllium was present in all samples at concentrations ranging from 0.33 to 0.85 mg/kg, above the HHRB action level of 0.2 mg/kg. No other metal concentrations exceeded UTLs or HHRB action levels (Table 23-2).

Gross Alpha and Gross Beta

A screening level analysis was performed on gross alpha and gross beta data generated from soil samples collected at ST-221 to determine if radiological materials had been released to subsurface soil. A comparison of sample and background population arithmetic means was performed to determine if the sample and background populations were equal. Background data for this comparison included the single background sampling borehole ST-221-01, data collected at radioactive burial site RB-11 during Kirtland AFB Stage 2D RFI, and data collected by SNL (Kirtland AFB, 1994). The analysis determined with 95-percent confidence that the background and site data sets are from the same population. Therefore, it is concluded that there have not been any releases of alpha or beta emitting radionuclides to subsurface soil at this site.

Soil pH and Moisture

Soil pH ranged from 7.4 to 8.9. Soil moisture values ranged from 7.6 to 12.5 percent (Table 23-2).

23.5 Conclusions and Recommendations

Conclusions

- Five VOCs were detected in soil samples at ST-221; however, all concentrations were below the HHRB action levels.

- The SVOC analytes di-n-butylphthalate and phenol were present in several samples collected, including those from the background sampling borehole. Naphthalene and 2-methylnaphthalene (less than 0.52 mg/kg) were present only in the 13- to 15-ft sample from borehole ST-221-07. No SVOC analytes were detected at concentrations that exceed HHRB action levels.

- TPH concentrations (370 mg/kg for diesel range, 480 mg/kg for gasoline range) exceeded the NMED action level of 100 mg/kg in the 13- to 15-ft sample from borehole ST-221-07. This borehole is located adjacent to the inflow line connection point with the OWS. Diesel range organic concentrations decreased to 1.0 and 1.3 mg/kg in the 23- and 33-ft samples, respectively, from this borehole. Gasoline range organics were only detected in the 8- to 10-ft and 13- to 15-ft samples from this borehole. The source of the petroleum hydrocarbons at 13 to 15 ft in borehole ST-221-07 may be from a leak near the inflow line at the junction with the OWS. No risk assessment was performed because no hazardous compounds associated with fuels (e.g., benzene, benzo(a)pyrene) were detected in these samples.

- The only metal detected above concentrations exceeding HHRB action levels was beryllium. The base wide UTL for beryllium (0.83 mg/kg) was not exceeded. These concentrations of beryllium appear to be naturally occurring throughout Kirtland AFB, as discussed in Section 4.2.2.

- A screening review performed on soil samples collected for gross alpha and gross beta concluded with 95-percent confidence that no difference between the background samples and the borehole samples existed at ST-221.

Recommendations

- Based on analytical results of soil samples collected, TPH concentrations were detected above action levels in samples from borehole ST-221-07 located near the inflow line and OWS

interface. It is recommended that additional soil sampling be conducted along the inflow line leading to ST-221 to evaluate the vertical and horizontal extent of TPH in the soil.

24.0 Sites ST-222, Oil/Water Separator, ST-223, Sewage Ejector Unit, ST-224, Area Drain, and ST-225, Holding Tank

24.1 Site Background and Environmental Setting

These sites are in the western portion of Kirtland AFB located outside between building 1031 and an aircraft engine test cell used for testing and maintaining jet engines (Figure 24-1). ST-222, ST-223, ST-224, and ST-225 were investigated on May 23-24, 1994.

OWS ST-222 is made of steel and measures 3.5 ft long, 2.8 ft wide, and 4 ft deep (inside dimensions) with a sediment rack inside. The unit receives inflow from area drain ST-224 and area drains inside the aircraft engine test cell. The water phase discharges to sewage ejector unit ST-223, and the oil phase discharges to holding tank ST-225.

Sewage ejector unit ST-223 is 4 ft in diameter and 9 ft in depth. The unit holds 345 gallons and discharges east, according to civil engineering base plans, to an underground wastewater holding tank of unknown dimensions or capacity (Figure 24-1).

Area drain ST-224 measures 2.5 ft in diameter and 2 ft in depth. The unit receives inflow from building 1031 and the aircraft engine test cell. The unit discharges south to the OWS ST-222. Holding tank ST-225 receives the separated oil phase from ST-222. Total capacity of the tank is unknown. The top of the tank is 4.5 ft below grade and the tank is approximately 4.5 ft in diameter (USGS, 1993).

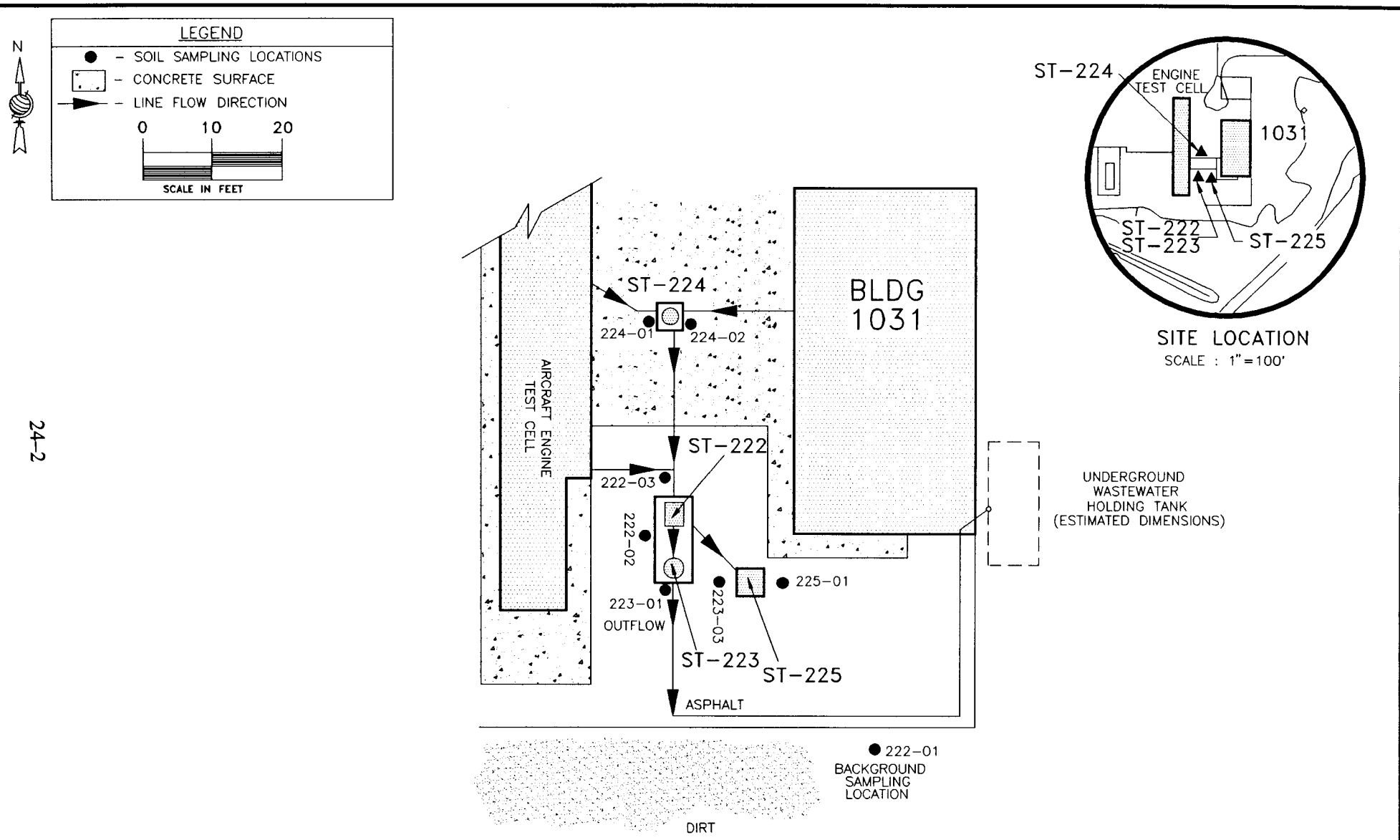
Building 1031 is in the urban/industrial environmental zone. This environmental setting is discussed in Section 2.0. Three production wells exist near these sites: KAFB-2 is 2,400 ft southeast, KAFB-1 is 4,800 ft east-northeast, and KAFB-7 is 2,400 ft southwest (Figure 2-11). If overflow from these units did occur, it would probably drain to the surrounding soil south of the buildings.

24.2 Study Area Investigation

Possible source materials were not investigated in this study. Previous investigations sampled source materials as described below.

24.2.1 Previous Investigations

In 1990, 1991, and 1992, a Kirtland AFB environmental contractor sampled materials present in the OWS and holding tank. Table 24-1 shows analytes with reportable concentrations. In 1991, lead was above the RCRA toxicity limit of 5 mg/kg and in 1992, cadmium was above the toxicity limit of



SOIL SAMPLING LOCATIONS AT OIL/WATER SEPARATOR ST-222, SEWAGE EJECTOR UNIT ST-223, AREA DRAIN ST-224, AND HOLDING TANK ST-225, BUILDING 1031

FIGURE 24-1

RCRA FACILITY INVESTIGATION
STAGE 2B
KIRTLAND AIR FORCE BASE, NEW MEXICO

1 mg/kg set for the TCLP analysis of materials in OWS ST-222. In 1991, the TCLP metal analysis of ST-225 was equal to the limit of 1 mg/kg for cadmium and 0.2 mg/kg for mercury. In 1991 and 1992, the lead content in ST-225 was over the TCLP limit of 5 mg/kg. Full results for these samplings are presented in Appendix B of the USGS Stage 2B Work Plan (USGS, 1993a).

Table 24-1. Reportable Analytes in OWS ST-222 and Holding Tank ST-225

Analyte	Year	ST-222 (mg/kg)	ST-225 (mg/kg)
TPH	1990	6,650	5896.1
	1991	5,800	57,000
	1992	215, 119[a]	9,200
TOX	1991	88.8	123
	1992	102, 106[a]	214
BTEX	1991	ND	21
Cadmium	1991	0.05	1.0
	1992	1.1, <0.003[a]	ND
Mercury	1991	ND	0.2
Lead	1991	7.0	7.0
	1992	4.5	11.9

a. Duplicate sample.

ND = Not Detected.

24.2.2 Data Gaps

The main objective of this investigation was to determine if contamination is present in the subsurface soil adjacent to these sites. A secondary objective was to determine unit outflows and potential outflow runoff destinations.

24.2.3 RFI Field Investigation

On May 23-24, 1994, eight boreholes were drilled and sampled using a Geoprobe system. One borehole, ST-222-01, was located south of building 1031 in an area away from any known or suspected contamination to collect background concentration data for these sites. The other boreholes were located as close as possible to the inflow and outflow points of the area drain, sewage ejector, and OWS, and as close as possible to the inflow point of the holding tank. Two sample intervals were collected in each borehole; one at a depth equal to, and the other 5 ft below the OWS'

base (i.e., 8 and 13 ft). The area drain, sewage ejector, and holding tank sample intervals were at depths 3 and 10 ft below the unit's base (i.e., 9 and 16 ft, 11 and 19 ft, 11 and 19 ft, respectively).

Sampling operations and sample handling procedures are described in Section 3.0. Borehole locations, sample depths, and replicate samples collected for the sites at building 1031 are listed in Table 24-2. Borehole logs are in Appendix C.

Table 24-2. Boreholes and Samples Collected at OWS ST-222, Sewage Ejector ST-223, Area Drain ST-224, and Holding Tank ST-225, Building 1031

Site	Borehole	Borehole Location	Sample Depths (ft)
ST-222	01	Background sampling location	8-12
			13-15
	02	Near OWS outflow and sewage ejector inflow	8-10
			13-15
	03	Near OWS inflow	8-10
			13-15
ST-223	01	Near sewage ejector outflow	11-13
			19-21
	02	Adjacent to sewage ejector and near holding tank inflow	11-15
			19-21
ST-224	01	Near area drain inflow	9-11
			16-18
	02	Near area drain inflow and outflow	9-11
			16-18
ST-225	01	Adjacent to holding tank	11-15[a]
			19-21

a. Replicate sample also collected in this depth interval.

24.2.4 Laboratory Analysis

Seventeen soil samples, including replicates, were collected at these sites. These samples were analyzed for VOCs, SVOCs, TPH, metals, mercury (the expected contaminants associated with normal operations at this facility), soil pH, and soil moisture. The four brass tubes in each 2-ft sample interval were field screened for possible contamination using gamma and beta-gamma meters, a PID, and an FID. No readings above background values were measured with these instruments.

24.3 Site Characteristics

24.3.1 Geology

The building 1031 area is underlain by unconsolidated alluvial sediments. The sediments are predominantly very fine-grained to fine-grained sands to silty sand and sandy silt. Clay was present in the deeper samples in most of the boreholes. Three 15-ft, three 21-ft, and two 18-ft-deep boreholes were drilled at building 1031. No borehole penetrated into the Santa Fe Group sediments that presumably underlie this area. A discussion of the general geology at Kirtland AFB is presented in Section 2.4.

As a result of installation, it is probable that backfill material is present adjacent to these units to a depth equal to the unit's total depth. Borehole logs for this area are presented in Appendix C.

24.3.2 Hydrogeology

Groundwater beneath ST-222, ST-223, ST-224, and ST-225 is found within the Upper Santa Fe sediments and is generally thought to be unconfined in the upper portion of the aquifer. This area is within the HR1 saturated zone setting as defined by SNL (Figure 2-9) (SNL, 1994). Hydrologic characterization in this portion of Kirtland AFB is complicated by the presence of numerous production wells (Figure 2-11). It is probable that uniform groundwater conditions do not exist in this region. Local cones of depression associated with groundwater withdrawal have altered the groundwater flow direction in the vicinity of the well fields (Figure 2-7).

The gradient is probably northerly. Three production wells are located near the OWSs and sediment traps: KAFB-2 is 2,400 ft west-northwest, KAFB-1 is 4,800 ft east-northeast, and KAFB-7 is 2,400 ft southwest. All three wells are most likely upgradient of building 1031 (Figures 2-7 and 2-11). Depth to groundwater is estimated to be approximately 350 ft below grade (Figure 2-10); however, shallower perched water zones may occur. Hydraulic conductivity within HR1 is estimated at 2 to 171 ft/day (SNL, 1994). A general discussion of the hydrogeology at Kirtland AFB is presented in Section 2.5.

24.4 Nature and Extent of Contamination

The following subsections describe the extent of contamination based on soil sampling results. Analytical results for soil samples at these sites are summarized in Tables 24-3 through Table 24-6, where only the reportable concentrations are listed. Full analytical results are presented in Appendix G. Laboratory validation reports are presented in Appendix K.

Table 24-3. Summary of Reportable Concentrations for Soil Analyses at OWS ST-222, Bldg. 1031, Kirtland AFB, New Mexico[Ψ,1]
[Concentrations (mg/kg)]

Chemical Class	Analyte	PQL UTL	HHRB Action Level[2]	Borehole Number and Sample Depth Interval (ft)					
				ST-222-01		*ST-222-02*		*ST-222-03*	
				8–12	13–15	8–10	13–15	8–10	13–15
VOC	Acetone	0.1	8000	ND	0.0048 J	ND	0.0033	ND	ND
	Methylene Chloride	0.005	93.3	0.0049	0.0034	0.0024 J	0.0041	0.0032	0.0043 U
	Toluene	0.005	16000	ND	ND	0.0024 J	0.0025 J	ND	ND
SVOC	Phenol	0.3	48000	0.17	0.23	0.16	ND	0.16	0.2
TPH	Diesel Fraction	10	100	0.86	0.78	0.93	0.3	0.78	0.45
METALS	Aluminum	13300	N/A	5890	7600	3660	10100 J	3140	6750 J
	Barium	496	5600	52.2	82.0	53.1	68.6 J	24.2	62.4 J
	Beryllium	0.83	0.2	0.41	0.53	0.21	0.56	0.21	0.46
	Calcium	119000	N/A	35500	19700	6050	18600 J	15400	12100 J
	Chromium, Total	14.9	400	7.2	9.1	4.7	10.6	4.7	9.1
	Cobalt	11.3	N/A	5.0	6.0	3.0	6.2 J	2.9	4.9 J
	Copper	135	N/A	31	49.6	48.2	63.2 J	29.5	80.7 J
	Iron	20900	N/A	10400	12300	6390	13700 J	6250	10900 J
	Lead	22.9	400	6.5	7.0	ND	9.8 U	5.2	8.2 U
	Magnesium	8730	N/A	3410	4130	1850	5000	1920	3710
	Manganese	435	400	167	210	92.8	341	86.0	199
	Nickel	54.4	1600	5.6	11.8	ND	9.0	ND	7.1
	Potassium	2730	N/A	1130	1470	768	1830 J	695	1250 J
	Sodium	519	N/A	390	385	55.4	93.0 U	50.6	90.8 U
	Vanadium	49.2	720	22.3	23.6	14.3	26.1 J	15.9	19.4 J
	Zinc	81.6	24000	35.2	44.7	32.1	48.1 J	23.4	50.3
OTHER	Moisture (%)			3.5	6.3	6.1	11.1	5.9	12.4
	pH			8.8	8.3	8.5	8.3	8.4	8.2

Ψ Complete table footnotes can be found after the last table in this section.

Table 24-4. **Summary of Reportable Concentrations for Soil Analyses at Sewage Ejector ST-223, Bldg. 1031, Kirtland AFB, New Mexico[Ψ,1] [Concentrations (mg/kg)]**

Chemical Class	Analyte	PQL UTL	HHRB Action Level[2]	Borehole Number and Sample Depth Interval (ft)			
				ST-223-01		*ST-223-02*	
				11–13	19–21	11–15	19–21
VOC	Acetone	0.1	8000	0.0038 J	ND	0.01 J	ND
	Bromoform	0.005	88.6	ND	ND	ND	0.0012 J
	Methylene Chloride	0.005	93.3	0.0034	0.0036	0.0038	0.0037
	1,1,2,2-Tetrachloroethane	0.005	35	ND	ND	ND	0.0048 J
SVOC	Phenol	0.3	48000	ND	0.2	ND	ND
TPH	Diesel Fraction	10	100	0.5	0.48	1.3	1.3
METALS	Aluminum	13300	N/A	5250	7820	5860	6930
	Barium	496	5600	103	81.1	118	52.8
	Beryllium	0.83	0.2	0.32	0.55	0.33	0.55
	Calcium	119000	N/A	26100	21900	19900	17900
	Chromium, Total	14.9	400	5.7	8.6	6.7	7.2
	Cobalt	11.3	N/A	5.2	6.4	5.9	4.9
	Copper	135	N/A	28.3	83.5	71.8	37.1
	Iron	20900	N/A	9040	11500	10600	10700
	Lead	22.9	400	7.7	8.0	5.9	8.2
	Magnesium	8730	N/A	3360	3950	4280	3830
	Manganese	435	400	210	191	248	186
	Nickel	54.4	1600	6.0	7.5	13.8	8.0
	Potassium	2730	N/A	1300	1500	1400	1290
	Sodium	519	N/A	69.8	116	80.5	86.3
	Vanadium	49.2	720	20.2	22.4	21.0	19.8
	Zinc	81.6	24000	33.7	53.3	49.0	33.9
OTHER	Moisture (%)			7.3	9.5	9.0	9.9
	pH			8.5	8.4	8.6	8.3

Ψ Complete table footnotes can be found after the last table in this section.

Table 24-5. Summary of Reportable Concentrations for Soil Analyses at Area Drain ST-224 Bldg. 1031, Kirtland AFB, New Mexico[Ψ,1]
[Concentrations (mg/kg)]

Chemical Class	Analyte	PQL	HHRB Action	Borehole Number and Sample Depth Interval (ft)			
				ST-224-01		*ST-224-02*	
		UTL	Level[2]	9–11	16–18	9–11	16–18
VOC	Methylene Chloride	0.005	93.3	0.0067	0.008	0.0078	0.0069
TPH	Diesel Fraction	10	100	0.64	0.2	0.51	0.11
METALS	Aluminum	13300	N/A	4950	8590	5790	11700
	Arsenic	N/A	0.4	ND	7.6	ND	ND
	Barium	496	5600	45.1	55.6	70.0	60.5
	Beryllium	0.83	0.2	0.32	0.58	0.33	0.69
	Calcium	119000	N/A	21400	54000	34000	31700
	Chromium, Total	14.9	400	5.3	10.2	9.9	11.7
	Cobalt	11.3	N/A	3.0	7.4	3.9	7.2
	Copper	135	N/A	22.6	19.8	33.4	20.6
	Iron	20900	N/A	7410	13800	8590	15600
	Lead	22.9	400	5.9	9.0	5.4	9.5
	Magnesium	8730	N/A	2840	5740	3120	6040
	Manganese	435	400	120	263	141	335
	Nickel	54.4	1600	4.3	9.6	6.1	11.9
	Potassium	2730	N/A	887	1460	1110	2160
	Sodium	519	N/A	65.5	108	91.4	126
	Vanadium	49.2	720	18.7	28.5	21.0	30.2
	Zinc	81.6	24000	24.1	35.8	28.3	40.9
OTHER	Moisture (%)			6.5	13.6	8.2	12.7
	pH			8.7	8.5	8.5	8.4

Ψ Complete table footnotes can be found after the last table in this section.

Table 24-6. Summary of Reportable Concentrations for Soil Analyses at Holding Tank ST-225, Bldg. 1031, Kirtland AFB, New Mexico[Ψ,1]
[Concentrations (mg/kg)]

Chemical Class	Analyte	PQL UTL	HHRB Action Level[2]	Borehole Number and Sample Depth Interval (ft)		
				ST-225-01		
				11–15	11–15 FR	19–21
VOC	Acetone	0.1	8000	ND	ND	0.0073 J
	Methylene Chloride	0.005	93.3	0.0042	0.004	0.0039
SVOC	Phenol	0.3	48000	ND	0.16	0.2
TPH	Diesel Fraction	10	100	3.9	6.3	8.7
METALS	Aluminum	13300	N/A	6260	6600	8250
	Arsenic	N/A	0.4	ND	7.2	ND
	Barium	496	5600	133	157	75.8
	Beryllium	0.83	0.2	0.43	0.45	0.55
	Calcium	119000	N/A	21900	49900	29300
	Chromium, Total	14.9	400	6.6	6.4	8.7
	Cobalt	11.3	N/A	6.0	5.0	6.3
	Copper	135	N/A	19.7	23.6	41.5
	Iron	20900	N/A	12200	10400	12200
	Lead	22.9	400	9.3	8.1	7.9
	Magnesium	8730	N/A	4060	4940	4060
	Manganese	435	400	266	232	187
	Nickel	54.4	1600	7.6	31.3	7.6
	Potassium	2730	N/A	1320	1280	1580
	Sodium	519	N/A	77.3	106	330
	Vanadium	49.2	720	23.9	23.1	22.2
	Zinc	81.6	24000	30.9	33.2	39.2
OTHER	Moisture (%)			6.0	11.2	9.6
	pH			8.7	8.4	8.5

Ψ Complete table footnotes can be found after the last table in this section.

1 Complete laboratory analytical results including method detection limits are presented in the ITIR appendices.

2 Action Level Proposed Rule RCRA Subpart S Action Levels (55 FR 30814, 7/27/90).

*; TPH action level is 100 mg/kg adopted from NM UST regulations (USGS 2B Work Plan 3.6, NM EI Board, 1990). SW-8015 analyzes volatile and semivolatile petroleum hydrocarbon fractions separately. The total concentration of the two fractions analyzed under 8015 will be used to assess compliance with stipulated action levels for the purpose of this RFI.

PQL; Practical Quantitation Limits (defines VOC, SVOC and TPH).

pCi/g; Picocuries per gram.

VOC; Volatile Organic Compounds.

TPH; Total Petroleum Hydrocarbons.

RAD; Radionuclides.

ND; Not Detected above the method detection limit.

U; Accept data (positive results may be influenced by lab contamination).

RE; Resample.

NA; Not Analyzed

UTL; Upper Tolerance Limits (defines METALS)

HHRB; Human Health Risk Based.

SVOC; Semivolatile Organic Compounds.

FR; Field Replicate.

UJ; Estimated Nondetect.

J; Estimated value.

R; Reject NDs due to interference.

--; No Data.

24.4.1 ST-222 Analytical Results

Organic Compounds

The following VOC analytes were detected in one or more of the soil samples collected at ST-222: acetone, methylene chloride, and toluene. None of these compounds was detected at levels exceeding HHRB action levels (Table 24-3). These compounds were detected in associated QC samples and are believed to be the result of laboratory contamination as discussed in Section 3.5.1.

Phenol was the only SVOC analyte detected in the soil samples collected at ST-222, including the background borehole, ST-222-01. This compound was not detected at concentrations exceeding the HHRB action level (Table 24-3).

Petroleum Hydrocarbons

Diesel range hydrocarbons were detected in all soil samples at ST-222 at concentrations ranging from 0.3 to 0.93 mg/kg. These concentrations did not exceed the NMED action level of 100 mg/kg (Table 24-3). Diesel range hydrocarbons were present at similar concentrations in associated QC samples and may not indicate the presence of petroleum hydrocarbons in the soil.

Metals

Beryllium was detected in all soil samples above the HHRB action level of 0.2 mg/kg but below the UTL of 0.83 mg/kg. Beryllium ranged from 0.21 to 0.56 mg/kg (Table 24-3). These beryllium concentrations may be naturally occurring at Kirtland AFB as discussed in Section 4.2.2.

Soil pH and Soil Moisture

Soil pH ranged from 8.2 to 8.8. Soil moisture values ranged from 3.5 to 12.4 percent (Table 24-3).

24.4.2 ST-223 Analytical Results

Organic Compounds

The following VOC analytes were detected in one or more of the soil samples collected at ST-223: acetone, bromoform, methylene chloride, and 1,1,2,2-tetrachloroethane. None of these compounds was detected at levels exceeding HHRB action levels (Table 24-4). Acetone and methylene chloride were detected in associated QC samples and are believed to be the result of laboratory contamination (Table 24-4).

Phenol (0.2 mg/kg) was the only SVOC analyte detected in these samples. It was found only in the 19- to 21-ft sample interval at ST-223-01. This concentration did not exceed the HHRB action level (Table 24-4). Phenol was also detected in the background sampling borehole, ST-222-01.

Petroleum Hydrocarbons

Diesel range hydrocarbons were detected in all soil samples at ST-223 at concentrations ranging from 0.48 to 1.3 mg/kg. These concentrations did not exceed the NMED action level of 100 mg/kg (Table 24-4). These compounds were present at similar concentrations in associated QC samples and may not indicate the presence of petroleum hydrocarbons in the soil.

Metals

Beryllium was detected in all soil samples above the HHRB action level of 0.2 mg/kg but below the UTL of 0.83 mg/kg. Beryllium concentrations ranged from 0.32 to 0.55 mg/kg (Table 24-4). These beryllium concentrations may be naturally occurring at Kirtland AFB as discussed in Section 4.2.2.

Soil pH and Moisture

Soil pH ranged from 8.3 to 8.6. Soil moisture values ranged from 7.3 to 9.9 percent (Table 24-4).

24.4.3 ST-224 Analytical Results

Organic Compounds

Methylene chloride was the only VOC analyte detected in soil samples collected at ST-224. All concentrations were below the HHRB action level (Table 24-5). Methylene chloride was also found in associated QC samples and is believed to be the result of laboratory contamination.

No SVOC analytes were detected in the soil samples collected at ST-224 (Table 24-5).

Petroleum Hydrocarbons

Diesel range hydrocarbons were detected in all soil samples at ST-224 at concentrations ranging from 0.11 to 0.64 mg/kg. These concentrations did not exceed the NMED action level of 100 mg/kg (Table 24-5). These compounds were present at similar concentrations in associated QC samples and may not indicate the presence of petroleum hydrocarbons in the soil.

Metals

Beryllium was detected in all soil samples above the HHRB action level of 0.2 mg/kg but below the UTL of 0.83 mg/kg. Beryllium concentrations ranged from 0.32 mg/kg to 0.69 mg/kg (Table 24-5).

Arsenic (7.6 mg/kg) was only detected in the 16-to 18-ft sample from borehole ST-224-01. These concentrations of beryllium and arsenic may be naturally occurring at Kirtland AFB as discussed in Section 4.2.2.

Soil pH and Soil Moisture

Soil pH ranged from 6.5 to 13.6. Soil moisture values ranged from 5.9 to 16 percent (Table 24-5).

24.4.4 ST-225 Analytical Results

Organic Compounds

The following VOC analytes were detected in one or more of the soil samples collected at ST-225: acetone and methylene chloride. Neither of these compounds was detected at concentrations exceeding HHRB action levels (Table 24-6). These compounds were detected in associated QC samples and are believed to be the result of laboratory contamination.

Phenol (0.16 and 0.2 mg/kg) was the only SVOC analyte detected in the soil samples at ST-225. This compound was not detected at a concentration exceeding the HHRB action level (Table 24-6). Phenol was also detected in the background borehole ST-222-01.

Petroleum Hydrocarbons

Diesel range hydrocarbons were detected in all soil samples at ST-225 at concentrations ranging from 3.9 to 8.7 mg/kg. These concentrations did not exceed the NMED action level of 100 mg/kg (Table 24-6). The source of these hydrocarbons is unknown. The lack of other fuel constituents (napthalene, benzene) and low diesel concentrations are not indicative of a release from this unit.

Metals

Beryllium was detected in all soil samples above the HHRB action level of 0.2 mg/kg but below the UTL of 0.83 mg/kg. Beryllium concentrations ranged from 0.43 mg/kg to 0.55 mg/kg (Table 24-6). Arsenic (7.2 mg/kg) was detected in the 11 to 15 ft replicate sample at ST-225-01 at a concentration above the HHRB action level of 0.4 mg/kg (Table 24-6). These beryllium and arsenic concentrations may be naturally occurring at Kirtland AFB as discussed in Section 4.2.2.

Soil pH and Soil Moisture

Soil pH ranged from 8.4 to 8.7. Soil moisture values ranged from 6.0 to 11.2 percent (Table 24-6).

24.5 Conclusions and Recommendations

Conclusions

- Five VOCs were detected in soil samples at these sites, however all concentrations were below the HHRB action levels. Phenol was detected in some soil samples, but at concentrations well below the HHRB action levels.

- Diesel range hydrocarbons were detected in all soil samples. None of the detections exceeded the NMED action level.

- Soil samples at ST-225 contained diesel hydrocarbon concentrations less than the NMED action level of 100 mg/kg. No SVOCs or other fuel components were detected that would indicate a leak from the holding tank.

- Beryllium and arsenic were the only metals detected above HHRB action levels. Beryllium was detected in every sample and arsenic in one sample at ST-224 and ST-225. These concentrations of beryllium and arsenic appear to be naturally occurring throughout Kirtland AFB.

- Analytical results from ST-222, ST-223, ST-224, and ST-225 are not indicative of a release from these units.

Recommendations

- Based on the results of the RFI, no further action is necessary; therefore, Sites ST-222, ST-223, ST-224, and ST-225 do not require further investigation. No Further Action proposals should be prepared for these sites.

25.0 Sites ST-226, Oil/Water Separator; Site ST-227, Holding Tank

25.1 Site Background and Environmental Setting

These sites are located outdoors at building 1037, a fuel systems maintenance facility located in the western portion of Kirtland AFB (Figure 25-1). OWS ST-226 is near the north side of the building. Holding tank ST-227 is located approximately 9 ft to the southeast of OWS ST-226 (Figure 25-1).

OWS ST-226 was investigated on March 29, 1994. Made of fiberglass, this unit has three lids that cover two compartments of unequal volume. The inside dimensions of the two compartments measure 3.5 ft wide by 6 ft deep, with lengths of 4 ft and 7.5 ft. The OWS receives drainage from floor drains inside of building 1037. The unit has two discharge lines, one for oil-phase liquid and one for water-phase liquid. The oil-phase liquid discharge line exits the OWS to the south and connects to holding tank ST-227. The water-phase liquid line exits the OWS to the east side and connects to a north-south sewer lateral located east of building 1037.

Holding tank ST-227 was investigated on March 30, 1994. The tank is made of metal, is 3 ft in diameter, and has an unknown volume (USGS, 1993). The top of the tank is 3 ft below grade. The tank receives oil-phase liquid discharged from OWS ST-226.

If these units were to overflow, runoff would disperse over the surrounding natural surface, eventually infiltrating the subsurface.

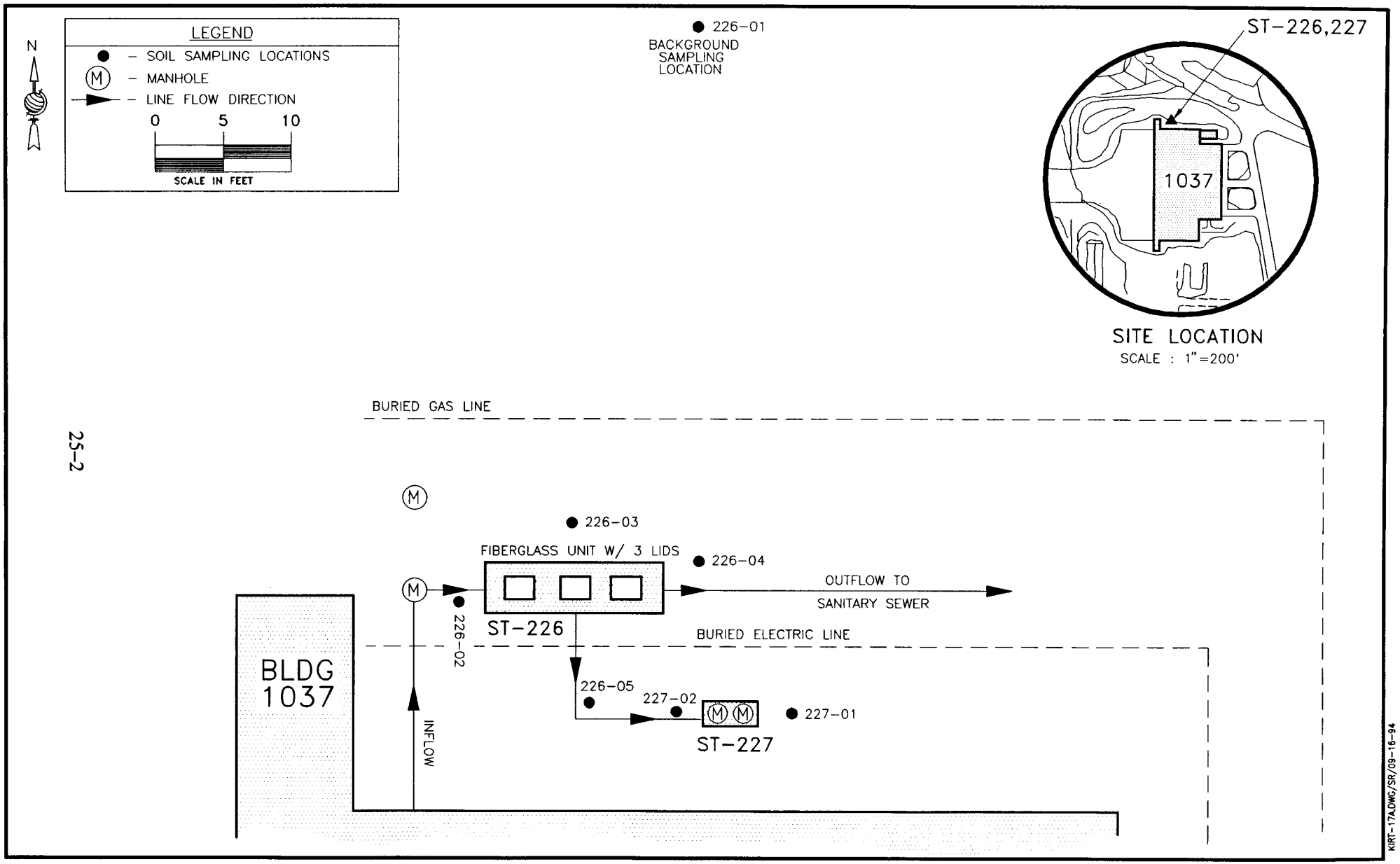
Building 1037 is located in the urban/industrial environmental zone. This environmental setting is discussed in Section 2.0. The nearest production wells to building 1037 are KAFB-14, located 3,050 ft to the west-northwest, and KAFB-2, located 2,300 ft to the south-southeast (Figure 2-11).

25.2 Study Area Investigation

Possible source materials were not investigated in this study. Previous investigations sampled source materials as described below.

25.2.1 Previous Investigations

In 1990, 1991, and 1992, a Kirtland AFB environmental contractor sampled the contents of OWS ST-226 and holding tank ST-227. The 1991 sample from the OWS contained 685.2 mg/kg TPH and 157.8 mg/kg TOX. The 1991 sample from the holding tank contained 72,000 mg/kg TPH. The 1992



25-2

KIRT-17A.DWG/SR/09-16-94

SOIL SAMPLING LOCATIONS AT OIL/WATER SEPARATOR ST-226, AND HOLDING TANK ST-227, BUILDING 1037

FIGURE 25-1

RCRA FACILITY INVESTIGATION STAGE 2B KIRTLAND AIR FORCE BASE, NEW MEXICO

sample from the OWS contained 162 mg/kg TOX. The 1992 sample from the holding tank contained 1,250 mg/kg TPH and 120 mg/kg TOX. The TCLP metals analysis detected cadmium, lead, and selenium at 3.2 mg/kg, 9.4 mg/kg, and 6.8 mg/kg respectively. A complete report of the laboratory analyses is contained in Appendix B of the Stage 2B Work Plan (USGS, 1993a).

25.2.2 Data Gaps

The main objective of this investigation was to determine the presence of contamination in the subsurface soil adjacent to each site. A secondary objective was to determine the unit outflow and potential surface runoff destinations.

25.2.3 RFI Field Investigation

On March 29 and 30, 1994, seven boreholes were drilled and sampled using a Geoprobe system (Figure 25-1). One borehole (ST-226-01) was located approximately 45 ft north of OWS ST-226 in an area away from any known or suspected contamination for the purpose of collecting background concentration data for these sites. This background sampling borehole was sampled for laboratory analysis at depths equal to the deepest samples collected at the two sites. Four boreholes were drilled next to OWS ST-226, three of which were located as close as possible to inflow and outflow points on the east, west, and south sides of the OWS. Two boreholes were drilled at the holding tank: one located at least 2 ft away from the east corner, and one at least 2 ft away from the west corner of the tank. Two sample intervals were collected in each borehole: one at a depth equal to, and the other 5 ft below the unit's base (i.e., 3 ft and 8 ft below grade).

Sampling operations and sample handling procedures are described in Section 3.0. Borehole locations, sample depths, and replicate samples collected for the sites at building 1037 are listed in Table 25-1. Borehole logs are in Appendix C.

25.2.4 Laboratory Analysis

Including replicate samples, 17 soil samples were collected at ST-226 and ST-227. Samples were analyzed for VOCs, SVOCs, TPH, metals, mercury (the expected contaminants associated with normal operations at this building), soil pH, and soil moisture. Soil samples were field screened for possible contamination using gamma and beta-gamma detection meters and a PID. PID readings ranged from 0 to 4 ppm_V above background in samples collected at ST-226. PID readings ranged from 0 to 12 ppm_V above background in samples collected at ST-227. Because the PID readings exceeded 5 ppm_V above background in samples collected at ST-227, one additional sample was

obtained for laboratory analysis from each borehole at a depth 10 ft below the previous sample depth (i.e., 18 ft below grade).

Table 25-1. Boreholes and Samples Collected at OWS ST-226 and Holding Tank ST-227, Building 1037

Site	Borehole	Borehole Location	Sample Depths (ft)	PID (ppm_v)[b]
ST-226	01	Background sampling borehole	3-5	2-4
			8-10	<1
	02	East side of OWS inflow	3-7	0
			8-10	0
	03	North side of OWS	3-6	0
			8-10	0
	04	West side OWS outflow	3-6	0
			8-12[a]	0
	05	South side OWS outflow	3-7	0
			8-12	0
ST-227	01	West end of holding tank	3-6	0
			8-10	0-11
			18-20	5-12
	02	East end of holding tank	3-7	8-10
			8-12	10-11
			18-20	8-10

a. Replicate sample also collected at this depth interval.

b. ppm_v = parts-per-million volume (ml/L) as isobutylene for PID readings.

25.3 Site Characteristics

25.3.1 Geology

The building 1037 area is underlain by unconsolidated alluvial sediments. The sediments are predominantly fine-grained sands and very fine-grained to fine-grained silty sands. Caliche was present in all boreholes as light- to heavily-stained zones and patches. Seven boreholes were drilled at building 1037. A maximum depth of 20 ft below grade was attained at boreholes ST-227-01 and ST-227-02. No boreholes penetrated into the Santa Fe Group sediments that presumably underlie this area. A discussion of the general geology at Kirtland AFB is presented in Section 2.4.

As a result of OWS and holding tank installation, it is probable that backfill material is present around each unit to a depth equal to each unit's total depth. Borehole logs for these sites are presented in Appendix C.

25.3.2 Hydrogeology

Groundwater beneath ST-226 and ST-227 is found within the Upper Santa Fe sediments and is generally thought to be unconfined in the upper portion of the aquifer. This area is within the HR1 saturated zone setting as defined by SNL studies (Figure 2-9) (SNL, 1994). Hydrologic characterization in this portion of Kirtland AFB is complicated by the presence of numerous production wells (Figure 2-11). It is probable that uniform groundwater conditions do not exist in this region. Local cones of depression associated with groundwater withdrawal have altered the groundwater flow direction in the vicinity of the well fields (Figure 2-7).

It is probable that the gradient is northerly in this area. The nearest production wells to these sites, KAFB-14, located 3,050 ft to the west-northwest, and KAFB-2, located 2,300 ft to the south-southeast, are believed to be downgradient and upgradient, respectively (Figures 2-7 and 2-11). Depth to groundwater is estimated to be approximately 350 ft below grade; however, shallower perched water zones may occur (Figure 2-10). Hydraulic conductivity within HR1 is estimated at 2 to 171 ft/day (SNL, 1994). A general discussion of the hydrogeology at Kirtland AFB is presented in Section 2.5.

25.4 Nature and Extent of Contamination

The following subsections describe the nature and extent of contamination based on analytical results for soil samples collected at ST-226 and ST-227. Analytical results for ST-226 and ST-227 are presented in Tables 25-2 and 25-3, respectively, where only reportable concentrations of detected analytes are listed. Full analytical results are presented in Appendix G. Laboratory validation reports are presented in Appendix K. Borehole number ST-226-01 is the background sampling borehole for Sites ST-226 and ST-227.

25.4.1 ST-226 Analytical Results

Organic Compounds

The following VOC analytes were detected in one or more soil samples at ST-226: acetone, chloroform, and chlorobenzene. None of these compounds was detected at concentrations exceeding HHRB action levels (Table 25-2). These chemicals were also detected in associated QC samples and are believed to be the result of laboratory contamination as described in Section 4.2.2.

Table 25-2. Summary of Reportable Concentrations for Soil Analyses at OWS ST-226 Bldg. 1037, Kirtland AFB, New Mexico[Ψ,1]
[Concentrations (mg/kg)]

Chemical Class	Analyte	PQL / UTL	HHRB Action Level[2]	Borehole Number and Sample Depth Interval (ft)										
				ST-226-01		*ST-226-02*		*ST-226-03*		*ST-226-04*			*ST-226-05*	
				3-5	8-10	3-7	8-10	3-6	8-10	3-6	8-12	8-12 FR	3-7	8-12
VOC	Acetone	0.1	8000	0.006 J	ND	ND	0.009 J	ND	ND	0.008 J	0.011 J	0.011	0.013 J	0.014 J
	Chloroform	0.005	115	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.002	ND
	Chlorobenzene	0.005	2160	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.002
SVOC	Phenol	0.3	48000	0.43	0.31	1.7	1.6	1.7	2.1	1.4	1.7	0.93	0.32	0.21
TPH	Diesel Fraction	10	100	4.6	3.9	0.74	2.3	3.2	1.7	2.8	3.6	2.4	0.6	3.0
	Gasoline Fraction	1	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.72	ND
METALS	Aluminum	13300	N/A	5470	6510	6690	4040	11100	8070	6030	8170	6190	4290	5620
	Arsenic	N/A	0.4	7.2	ND	ND	ND	ND UJ	ND	ND	ND	ND	ND	ND
	Barium	496	5600	80.6	41.4	117	57.3	60.1	72.4	90.4	80.7	103	86.2	56.5
	Beryllium	0.83	0.2	0.36	0.42	0.44	0.33	0.65 U	0.44	0.46	0.54	0.44	0.32	0.43
	Cadmium	N/A	40	ND	ND	ND	ND	ND	0.56	ND	ND	ND	ND	ND
	Calcium	119000	N/A	34800	58900	46700	11500	34800 J	73300	129000	44000	34400	39600	28600
	Chromium, Total	14.9	400	6.2	5.5	8.8	4.6	10.2 J	8.0	7.1	8.1	6.3	5.4	6.5
	Cobalt	11.3	N/A	5.9	3.5	4.8	3.9	5.4	6.6	3.6	6.3	5.0	3.0	4.5
	Copper	135	N/A	7.9	20.8	59.8	29.8	162 J	49.9	55.4	25.2	21.8	56.3	18.0
	Iron	20900	N/A	10700	7980	9720	7480	12100 J	11100	8050	12000	9220	7380	9100
	Lead	22.9	400	3.7	3.9	3.9	ND	5.2	4.8	3.8	5.9	ND	3.6	4.0
	Magnesium	8730	N/A	3750	3030	3230	2480	4010	4880	3250	4580	3590	2740	3340
	Manganese	435	400	205	118	148	150	157 J	171	111	227	171	162	147
	Nickel	54.4	1600	3.9	5.9	34.1	3.3	8.7	7.2	5.0	6.9	4.6	6.8	5.9
	Potassium	2730	N/A	1230	1130	1170	701	1550 J	1470	1090	1570	1200	873	1190
	Selenium	N/A	400	ND	ND	ND	ND	ND	7.8	ND	ND	ND	ND	ND
	Sodium	519	N/A	215	320	68.4	58.3	299 J	202	70.8	108	85.7	83.4	227
	Vanadium	49.2	720	27.0	17.5	22.5	15.1	33.3	26.6	23.1	26.8	21.8	15.5	20.1
	Zinc	81.6	24000	26.9	43.1	54.1	33.9	119 J	60.1	54.6	37.4	38.5	65.9	32.2
OTHER	Moisture (%)			15.6	4.7	8.1	10.1	7.3	10.0	12.1	7.9	8.4	5.8	6.0
	pH			8.3	8.5	8.5	8.4	8.4	8.8	8.3	8.3	8.4	8.3	8.6

Ψ Complete table footnotes can be found after the last table in this section.

Table 25-3. Summary of Reportable Concentrations for Soil Analyses at Holding Tank ST-227 Bldg. 1037, Kirtland AFB, New Mexico[Ψ,1] [Concentrations (mg/kg)]

Chemical Class	Analyte	PQL UTL	HHRB Action Level[2]	Borehole Number and Sample Depth Interval (ft)					
				ST-227-01			*ST-227-02*		
				3-6	8-10	18-20	3-7	8-12	18-20
SVOC	Phenol	0.3	48000	0.92	1.4	0.64	0.33	1.5	1.2
TPH	Diesel Fraction	10	100	0.45	1.8	1.6	2.0	ND	2.7
	Gasoline Fraction	1	100	ND	ND	ND	ND	0.20	0.14
METALS	Aluminum	13300	N/A	6620	6430	9180	1970	7380	6490
	Antimony	N/A	32	28.1	42.4	ND	ND	44.9	ND
	Barium	496	5600	61.0	41.2	50.2	47.6	48.5	35.2
	Beryllium	0.83	0.2	0.45	0.45	0.63	ND	0.43	0.32
	Cadmium	N/A	40	0.68	ND	ND	ND	ND	ND
	Calcium	119000	N/A	79500	45200	50000	2530	118000	7140
	Chromium, Total	14.9	400	5.9	5.0	6.5	3.0	9.7	6.7
	Cobalt	11.3	N/A	4.4	4.9	4.3	2.1	4.0	4.4
	Copper	135	N/A	42.9	9.6	24.9	68.2	121	29
	Iron	20900	N/A	8830	8000	8870	4790	9300	9080
	Lead	22.9	400	3.9	6.7	5.2	4.1	6.6	5.7
	Magnesium	8730	N/A	3170	3390	3620	881	3570	2840
	Manganese	435	400	113	137	117	103	138	140
	Nickel	54.4	1600	7.3	6.3	7.9	3.9	8.4	5.5
	Potassium	2730	N/A	1250	1130	1630	311	1280	1480
	Sodium	519	N/A	58.0	55.5	321	79.7	326	201
	Vanadium	49.2	720	26.4	19.9	16.6	10.8	21.2	16.9
	Zinc	81.6	24000	44.0	26.7	35.2	36.5	72.8	35.3
OTHER	Moisture (%)			10.7	8.5	7.2	11.2	2.7	10.8
	pH			7.9	8.1	8.8	8.2	8.9	8.8

Ψ Complete table footnotes can be found after the last table in this section.

1 Complete laboratory analytical results including method detection limits are presented in the ITIR appendices.

2 Action Level Proposed Rule RCRA Subpart S Action Levels (55 FR 30814, 7/27/90).

*; TPH action level is 100 mg/kg adopted from NM UST regulations (USGS 2B Work Plan 3.6, NM El Board, 1990). SW-8015 analyzes volatile and semivolatile petroleum hydrocarbon fractions separately. The total concentration of the two fractions analyzed under 8015 will be used to assess compliance with stipulated action levels for the purpose of this RFI.

PQL; Practical Quantitation Limits (defines VOC, SVOC and TPH).

pCi/g; Picocuries per gram.

VOC; Volatile Organic Compounds.

TPH; Total Petroleum Hydrocarbons.

RAD; Radionuclides.

ND; Not Detected above the method detection limit.

U; Accept data (positive results may be influenced by lab contamination).

RE; Resample.

NA; Not Analyzed

UTL; Upper Tolerance Limits (defines METALS).

HHRB; Human Health Risk Based.

SVOC; Semivolatile Organic Compounds.

FR; Field Replicate.

UJ; Estimated Nondetect.

J; Estimated value.

R; Reject NDs due to interference.

--; No Data.

Phenol, the only SVOC analyte detected in soil samples collected at ST-226, was present in 11 samples at concentrations ranging from 0.21 to 2.1 mg/kg. These detections did not exceed the HHRB action level for phenol of 48,000 mg/kg (Table 25-2).

Petroleum Hydrocarbons

Diesel range hydrocarbons were detected in 11 of the 12 samples collected at ST-226 at concentrations ranging from 0.6 to 4.6 mg/kg. The highest concentration was detected in the 3- to 5-ft sample from the background sampling borehole ST-226-01. Gasoline range hydrocarbons were detected only in the 3- to 7-ft sample from borehole ST-226-05 at 0.72 mg/kg. No TPH detections exceeded the NMED action level of 100 mg/kg (Table 25-2). There is no clear pattern to the diesel hydrocarbon detections, but the concentrations and distribution are not indicative of a release from this unit.

Metals

Zinc (119 mg/kg) was detected above the UTL concentration of 81.6 mg/kg in the 3- to 6-ft sample from borehole ST-226-03. This concentration was below the HHRB action level. Arsenic and beryllium were the only metals detected in soil samples from ST-226 above the HHRB action levels. Arsenic was detected at 7.2 mg/kg in background sample ST-226-01 (3- to 5-ft), which exceeds the HHRB action level of 0.4 mg/kg. Arsenic was not detected in any other soil samples collected at ST-226. Beryllium concentrations, ranging from 0.32 g to 0.65 mg/kg, exceeded the HHRB action level of 0.2 mg/kg but were below the UTL of 0.83 mg/kg. No other metals exceeded their respective HHRB action levels (Table 25-2). These arsenic and beryllium concentrations may be naturally occurring throughout Kirtland AFB as discussed in Section 4.2.2.

Soil pH and Moisture

Soil pH ranged from 8.3 to 8.8. Soil moisture values ranged from 4.7 to 15.6 percent (Table 25-2).

25.4.2 ST-227 Analytical Results

Organic Compounds

No VOC analytes were detected in soil samples collected at ST-227 (Table 25-3).

Phenol was the only SVOC analyte detected at ST-227. Phenol was detected in every soil sample collected at ST-227, at concentrations ranging from 0.33 to 1.5 mg/kg. These detections did not exceed the HHRB action level of 48,000 mg/kg for phenol (Table 25-3).

Petroleum Hydrocarbons

Diesel range hydrocarbons were detected in five soil samples collected at ST-226 and gasoline range hydrocarbons were present in two of the samples. Gasoline range hydrocarbons were detected in two soil samples collected at borehole ST-227-02 at 0.14 and 0.20 mg/kg. No TPH detections exceeded the NMED action level of 100 mg/kg (Table 25-3).

Metals

Beryllium and antimony were the only metals detected at concentrations exceeding the HHRB action levels. Beryllium was present in five of the six site samples at concentrations ranging from 0.32 to 0.63 mg/kg, exceeding the HHRB action level of 0.2 mg/kg, but below the UTL of 0.83 mg/kg. Antimony was detected in three samples at concentrations ranging from 28.1 to 44.9 mg/kg, exceeding the HHRB action level of 32 mg/kg in two samples. No other metals were detected above HHRB action levels at ST-227 (Table 25-3). The beryllium concentrations may be naturally occurring at Kirtland AFB as discussed in Section 4.2.2.

Soil pH and Moisture

Soil pH ranged from 7.9 to 8.9. Soil moisture values ranged from 2.7 to 11.2 percent (Table 25-3).

25.5 Risk Characterization Summary

A baseline risk assessment for Site ST-227 was conducted according to the methods outlined in Section 3.6. All calculations to support this risk assessment are provided in Appendix H.

Antimony was the only potential constituent of concern found at an elevated concentration in the soil at Site ST-227. Antimony is classified with a "D" weight of evidence, meaning that it is unclassifiable as to its human carcinogenicity. The six soil samples collected at this site were used for the risk characterization. The data set for antimony was evaluated and was found to have a log-normal sample distribution. The 95-percent UCL was calculated as 44.79 mg/kg.

The antimony reference dose of 0.0004 mg/kg/day was used to calculate the corresponding hazard quotient as discussed in Section 3.5. Several exposure scenarios were considered and the carcinogenic and noncarcinogenic risks were evaluated for the "worst-case" scenario (future residential land use) for the incidental soil ingestion from this site. The hazard quotients generated for the adult and child were 0.2 and 1.4, respectively. The hazard index calculated for antimony (1.6) from incidental soil ingestion at this site was greater than unity. Because the hazard index is

greater than the USEPA acceptable limit of 1.0 (unity), noncarcinogenic health risks could possibly be associated with this exposure scenario.

25.6 Conclusions and Recommendations

Conclusions

- Acetone was the only VOC detected and was present in soil samples collected at ST-226 at concentrations below the HHRB action level. Phenol was the only SVOC detected in soil samples from the two sites and was present at concentrations below the HHRB action level of 48,000 mg/kg.

- Petroleum hydrocarbon concentrations did not exceed the NMED action level. The concentrations and distribution of diesel range hydrocarbons are not indicative of a release from these units.

- The only metals detected at concentrations exceeding HHRB action levels were arsenic, antimony, and beryllium. Arsenic was only detected in one soil sample. These beryllium and arsenic concentrations appear to be naturally occurring throughout Kirtland AFB.

- A baseline risk assessment was performed at Site ST-227 to determine hypothetical noncarcinogenic health risks from antimony present in the soil. A future residential land use scenario ("worst-case") was evaluated for the incidental ingestion of soil by child and adult residents. The Hazard Index was determined to be greater than 1.0; therefore, noncarcinogenic health risks may possibly be associated with this hypothetical future residential land use exposure scenario.

Recommendations

- Based on the RFI findings, no further action is necessary; therefore, ST-226 and ST-227 do not require further investigation. No Further Action proposals should be prepared for these sites.

26.0 Site ST-228, Area Drain

26.1 Site Background and Environmental Setting

Area drain ST-228 is located outdoors approximately 40 ft south of building 1040 (Figure 26-1). Made of concrete with a metal grate cover, this unit measures 2 ft square and 2 ft deep. ST-228 receives runoff from surrounding areas, including an asphalt driveway and parking area. The unit discharges south to OWS ST-234 (Section 30.0). Building 1040 is part of the New Mexico Air National Guard complex located in the western portion of Kirtland AFB. ST-228 was investigated on May 19, 1994.

Building 1040 is located in the urban/industrial environmental zone. This environmental setting is discussed in Section 2.0. The nearest production wells to this site are KAFB-7, located 3,150 ft to the south-southeast, KAFB-2, located 3,700 ft south-southwest, and KAFB-1, located 4,350 to the east (Figure 2-11).

While investigating ST-247 on May 26, 1994, area drains ST-228 and ST-237, located on the south side of building 1051 (Section 30.0), were observed to back up and flood the surrounding area following a period of intense rainfall. According to building 1060 personnel, the flooding of these area drains is a typical occurrence following heavy rainfall and takes several hours to drain away.

26.2 Study Area Investigation

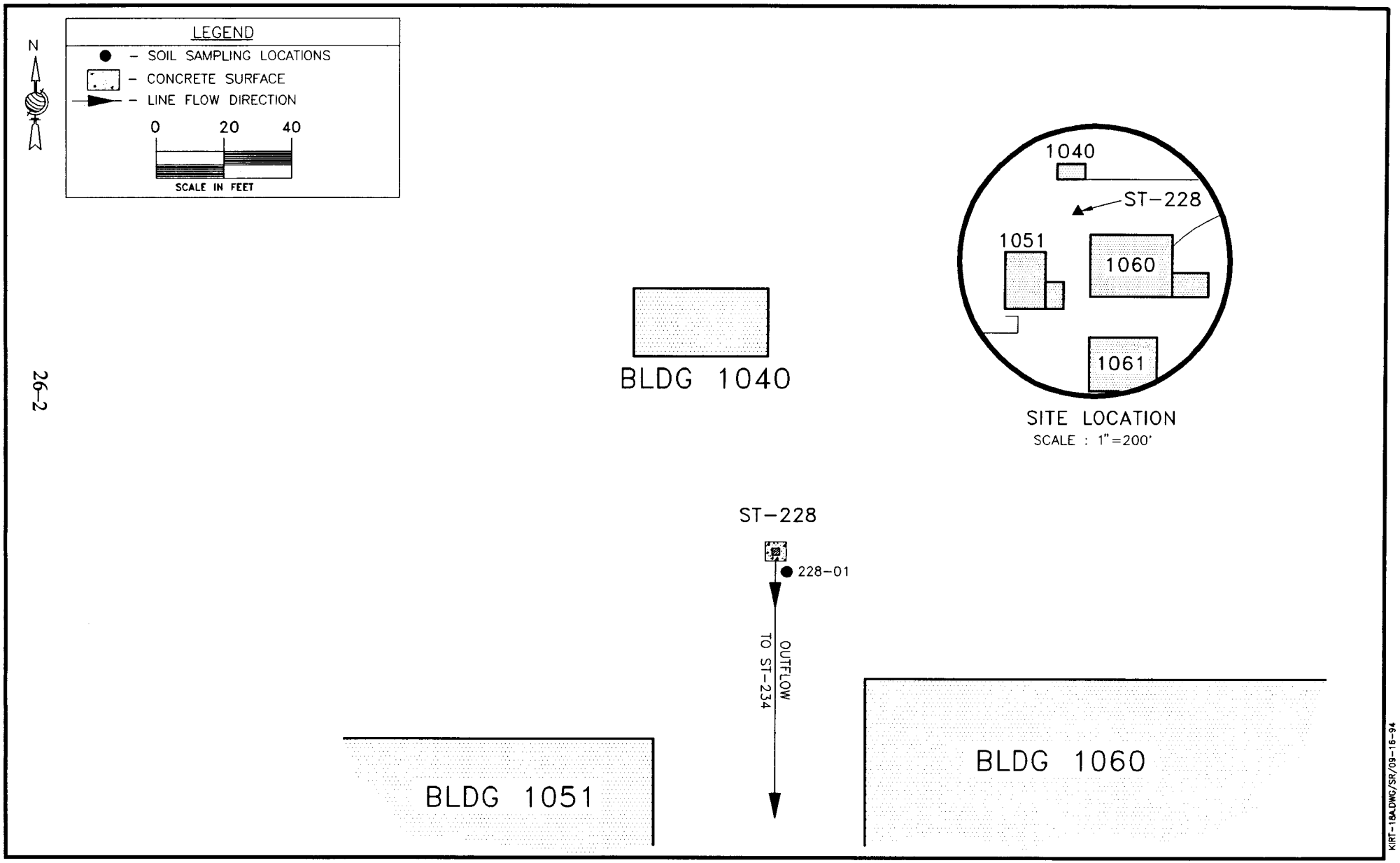
Possible source materials were not investigated in this study. Previous investigations sampled source materials as described below.

26.2.1 Previous Investigations

In 1990, 1991, and 1992, a Kirtland AFB environmental contractor sampled the contents of area drain ST-228. The 1992 sample contained 804 mg/kg TPH and 122 mg/kg TOX. A complete report of the laboratory analyses is contained in Appendix B of the Stage 2B Work Plan (USGS, 1993a).

26.2.2 Data Gaps

The main objective of this investigation was to determine the presence of contamination in the subsurface soil adjacent to the site. A secondary objective was to determine the unit's outflow and potential overflow runoff destinations.



SOIL SAMPLING LOCATIONS AT AREA DRAIN ST-228, BUILDING 1040

FIGURE 26-1

RCRA FACILITY INVESTIGATION STAGE 2B KIRTLAND AIR FORCE BASE, NEW MEXICO

26.2.3 RFI Field Investigation

Due to the close proximity of Sites ST-228 and ST-234, lithologic and laboratory data from background sampling borehole ST-234-01 were used for Site ST-228. The analytical results from ST-234-01 are presented in Section 30.0.

One borehole was drilled and sampled at ST-228 using a Geoprobe system on May 19, 1994 (Figure 26-1). Soil samples were obtained for laboratory analyses at depths 3 and 10 ft below the base of the area drain (i.e., 5 ft and 12 ft below grade). The borehole was located near the southeast corner of the area drain as close as possible to the outflow point.

Sampling operations and sample handling procedures are described in Section 3.0 of this report. Sample depths, sample location, and replicate samples collected at ST-228 are listed in Table 26-1. The borehole log is in Appendix C.

Table 26-1. Borehole and Samples Collected at ST-228, Building 1040

Site	Borehole	Borehole Location	Sample Depths (ft)
ST-228	01	Southeast corner of area drain near unit outflow	5-10[a]
			12-14

a. Replicate sample also collected at this depth interval.

26.2.4 Laboratory Analysis

Including a replicate sample, three soil samples were collected at ST-228. Samples were analyzed for VOCs, SVOCs, TPH, metals, mercury (the expected contaminants associated with normal operations at this site), soil pH, and soil moisture. The four brass tubes in each 2-ft sample interval were field screened for possible contamination using gamma and beta-gamma meters, a PID, and an FID. No readings above background values were measured with these instruments.

26.3 Site Characteristics

26.3.1 Geology

The area surrounding ST-228 is underlain by unconsolidated alluvial sediments. The sediments are predominantly fine-grained sands and very fine-grained to fine-grained silty sands. Caliche was present just below the asphalt-soil interface as light- to heavily-stained patches. A maximum depth of 14.0 ft

below grade was attained at borehole ST-228-01. The borehole did not penetrate into the Santa Fe Group sediments that presumably underlie this area. A discussion of the general geology at Kirtland AFB is presented in Section 2.4.

As a result of area drain installation, it is probable that backfill material is present around the unit to a depth equal to the unit's total depth. Borehole logs for this site are presented in Appendix C.

26.3.2 Hydrogeology

Groundwater beneath ST-228 is found within the Upper Santa Fe sediments and is generally thought to be unconfined in the upper portion of the aquifer. This area is within the HR1 saturated zone setting as defined by SNL studies (Figure 2-9) (SNL, 1994). Hydrologic characterization in this portion of Kirtland AFB is complicated by the presence of numerous production wells (Figure 2-11). It is probable that uniform groundwater conditions do not exist in this region. Local cones of depression associated with groundwater withdrawal have altered the groundwater flow direction in the vicinity of the well fields (Figure 2-7).

It is probable that the gradient is northerly in this area. It is believed that production wells KAFB-7, located 3,150 ft to the south-southeast, and KAFB-2, located 3,700 ft south-southwest, are upgradient from building 1040; while KAFB-1, located 4,350 ft to the east, is cross gradient from the site (Figures 2-7 and 2-11). Depth to groundwater is estimated to be approximately 350 ft below grade; however, shallower perched water zones may occur (Figure 2-10). Hydraulic conductivity within HR1 is estimated at 2 to 171 ft/day (SNL, 1994). A general discussion of the hydrogeology at Kirtland AFB is presented in Section 2.5.

26.4 Nature and Extent of Contamination

The following section describes the nature and extent of contamination based on analytical results for soil samples collected at ST-228. Analytical results are presented in Table 26-2, where only reportable concentrations of analytes are listed. Full analytical results are presented in Appendix G. Laboratory validation reports are presented in Appendix K. Data obtained from borehole ST-234-01 were used as background data for this site (Table 30-2, Section 30.0).

Table 26-2. Summary of Reportable Concentrations for Soil Analyses at Area Drain ST-228, Bldg. 1040, Kirtland AFB, New Mexico[Ψ,1] [Concentrations (mg/kg)]

Chemical Class	Analyte	PQL UTL	HHRB Action Level[2]	Borehole Number and Sample Depth Interval (ft)		
				ST-228-01		
				5–10	5–10 FR	12–14
VOC	Acetone	0.1	8000	0.0092 J	0.0081 J	0.0023 J
	Methylene Chloride	0.005	93.3	0.0057	0.0052	0.0055
	Toluene	0.005	16000	ND	0.0042	ND
SVOC	di-n-Butylphthalate	0.7	8000	0.50	0.42	0.32
	Phenol	0.3	48000	0.15	0.15	ND
TPH	Diesel Fraction	N/A	100	0.93	0.41	ND
METALS	Aluminum	13300	N/A	5120	7830	3820
	Arsenic	N/A	0.4	6.7	7.3	10.6
	Barium	496	5600	134	57.8	134
	Beryllium	0.83	0.2	0.32	0.45	0.31
	Calcium	119000	N/A	19900	18100	34800
	Chromium, Total	14.9	400	6.0	6.9	4.0
	Cobalt	11.3	N/A	3.8	5.8	4.3
	Copper	135	N/A	13.9	12.7	40.9
	Iron	20900	N/A	8000	12100	9640
	Lead	22.9	400	6.7	7.8	3.7
	Magnesium	8730	N/A	3180	4940	3400
	Manganese	435	400	137	249	208
	Nickel	54.4	1600	3.9	7.6	5.8
	Potassium	2730	N/A	833	1290	1030
	Sodium	519	N/A	85.1	123	150
	Vanadium	49.2	720	20.4	29.7	18.0
	Zinc	81.6	24000	20.7	30.4	35.0
OTHER	Moisture (%)			7.2	10.5	3.9
	pH			8.3	8.3	8.8

Ψ Complete table footnotes can be found after the last table in this section.

1 Complete laboratory analytical results including method detection limits are presented in the ITIR appendices.

2 Action Level Proposed Rule RCRA Subpart S Action Levels (55 FR 30814, 7/27/90).

*; TPH action level is 100 mg/kg adopted from NM UST regulations (USGS 2B Work Plan 3.6, NM El Board, 1990). SW-8015 analyzes volatile and semivolatile petroleum hydrocarbon fractions separately. The total concentration of the two fractions analyzed under 8015 will be used to assess compliance with stipulated action levels for the purpose of this RFI.

PQL; Practical Quantitation Limits (defines VOC, SVOC and TPH).

pCi/g; Picocuries per gram.

VOC; Volatile Organic Compounds.

TPH; Total Petroleum Hydrocarbons.

RAD; Radionuclides.

ND; Not Detected above the method detection limit.

U; Accept data (positive results may be influenced by lab contamination).

RE; Resample.

NA; Not Analyzed

UTL; Upper Tolerance Limits (defines METALS).

HHRB; Human Health Risk Based.

SVOC; Semivolatile Organic Compounds.

FR; Field Replicate.

UJ; Estimated Nondetect.

J; Estimated value.

R; Reject NDs due to interference.

--; No Data.

28.2 Study Area Investigation

Possible source materials were not investigated in this study. Previous investigations sampled source materials as described below.

28.2.1 Previous Investigations

In 1990, 1991, and 1992, a Kirtland AFB environmental contractor sampled the contents of OWS ST-230 and holding tank ST-231. A complete report of the laboratory analyses is contained in Appendix B of the Stage 2B Work Plan (USGS, 1993a). The 1991 sample from the OWS contained 396.3 mg/kg TPH and 192.7 mg/kg TOX. The 1991 sample from the holding tank contained 640,000 mg/kg TPH. The 1992 sample from the OWS contained 110 mg/kg TOX. The 1992 sample from the holding tank contained 3,300 mg/kg TPH.

28.2.2 Data Gaps

The main objective of this investigation was to determine the presence of contamination in the subsurface soil adjacent to each site. A secondary objective was to determine unit outflows and potential overflow runoff destinations.

28.2.3 RFI Field Investigation

Since several sites were located near building 1046, borehole ST-233-01 was used for the collection of background concentration data for Sites ST-230, ST-231, ST-232, and ST-233. Details and analytical results for the sampling at ST-233-01 are presented in Section 29.0.

On March 31 and April 4, 1994, eight boreholes were drilled and sampled at ST-230, ST-231, and ST-232 using a Geoprobe coring system (Figure 28-1).

Two boreholes were drilled next to OWS ST-230. These boreholes were located as close as possible to inflow and outflow points on the east and west sides of the OWS. Samples were collected for laboratory analysis at depths equal to the OWS base and 5 ft below the base (i.e., 5 and 10 ft below grade). Elevated PID field screening instrument readings indicated possible contamination, so an additional, deeper sample 20 ft below grade was collected (Table 28-1).

Four boreholes were drilled around holding tank ST-231. These boreholes were located near each corner of the holding tank. Borehole ST-231-04 was located near the inflow line. Samples were obtained for laboratory analysis at depths 3 and 8 ft below the base of the holding tank (i.e., 8 and 13 ft).

Two boreholes were drilled at sewage ejector unit ST-232. The boreholes were placed as close as possible to the inflow and outflow lines near the northeast and northwest corners of ST-232. Samples were collected at a depth equal to the base of the unit and 5 ft below the base of the unit (i.e., 8 and 13 ft).

Sampling operations and sample handling procedures are described in Section 3.0. Boreholes, sample depths, sample locations, and replicate samples collected for the sites at building 1046 are listed in Table 28-1. Borehole logs are in Appendix C.

Table 28-1. Boreholes and Samples Collected at OWS ST-230, Holding Tank ST-231, and Sewage Ejector ST-232, Building 1046

Site	Borehole	Borehole Location	Sample Depths (ft)	PID (ppm_v)[a,b]
ST-230	01	Northeast corner of OWS near inflow	5-9[c]	70
			10-12	12
			20-22	13
	02	Southwest corner of OWS near outflow	5-7	ND
			10-14	11
			20-22	3
ST-231	01	Southeast corner of holding tank	8-10	ND
			13-15	ND
	02	Southwest corner of holding tank	7-11[a]	ND
			13-17	ND
	03	Northwest corner of holding tank	8-12	ND
			13-15	ND
	04	Northeast corner of holding tank near inflow	8-11	ND
			13-15	ND
ST-232	01	West side of sewage ejector near outflow line	8-11	ND
			13-15	ND
	02	Northeast corner of sewage ejector near inflow line	8-12	ND
			13-16	ND

a. ppm_v = parts-per-million volume (ml/L) as isobutylene for PID readings.
b. PID readings are values above background. Only the highest value for the interval is listed.
c. Replicate sample also collected at this depth interval.

28.2.4 Laboratory Analysis

Including replicate samples, 20 soil samples were collected at ST-230, ST-231, and ST-232. Samples were analyzed for VOCs, SVOCs, TPH, metals, mercury (the expected contaminants associated with normal operations at this building), soil pH, and soil moisture. The four brass tubes in each 2-ft sample interval were field screened for possible contamination using gamma and beta-gamma meters and a PID. PID readings ranged from ND to 70 ppm_v above background in samples collected at ST-230. No elevated PID readings were measured in samples from the other sites at building 1046. No readings above background values were measured with the gamma and beta-gamma meters at any of these sites.

28.3 Site Characteristics

28.3.1 Geology

The building 1046 area is underlain by unconsolidated alluvial sediments. The sediments are predominantly fine-grained sands and very fine-grained to fine-grained silty sands. Occasional sub-angular pebbles were present at various depths in boreholes at ST-230 and ST-231. Caliche was present in all boreholes as light- to heavily-stained zones and patches. A maximum depth of 22 ft below grade was attained at boreholes ST-230-01 and ST-230-02. No borehole penetrated into the Santa Fe Group sediments that presumably underlie this area. A discussion of the general geology at Kirtland AFB is presented in Section 2.4.

As a result of OWS, holding tank, and sewage ejector installation, it is probable that backfill material is present adjacent to each unit to a depth equal to each unit's depth. Borehole logs for these sites are presented in Appendix C.

28.3.2 Hydrogeology

Groundwater beneath ST-230, ST-231, and ST-232 is found within the Upper Santa Fe sediments and is generally thought to be unconfined in the upper portion of the aquifer. This area is within the HR1 saturated zone setting as defined by SNL studies (Figure 2-9) (SNL, 1994). Hydrologic characterization in this portion of Kirtland AFB is complicated by the presence of numerous production wells (Figure 2-11). It is probable that uniform groundwater conditions do not exist in this region. Local cones of depression associated with groundwater withdrawal have altered the groundwater flow direction in the vicinity of the well fields (Figure 2-7).

It is probable that the gradient is northerly in this area. Production well KAFB-07, located 2,800 ft to the south-southeast, and production well KAFB-02, located 3,000 ft to the south-southwest, are

believed to be upgradient from the site. KAFB-14, located 6,000 ft to the west, is believed to be cross gradient from the site (Figures 2-7 and 2-11). Depth to groundwater is estimated to be about 350 ft below grade (Figure 2-10); however, shallower perched water zones may occur. Hydraulic conductivity in the vicinity of HRI is estimated at 2 to 171 ft/day (SNL, 1994). A general discussion of the hydrogeology at Kirtland AFB is presented in Section 2.5.

28.4 Nature and Extent of Contamination

The following subsections summarize the analytical results for soil samples collected at ST-230, ST-231, and ST-232. Analytical results from ST-230, ST-231, and ST-232 are presented in Tables 28-2, 28-3, and 28-4, respectively, where only reportable concentrations of detected analytes are listed. Background soil sampling results for these sites are reported for borehole ST-233-01 in Table 29-2. Complete analytical results are presented in Appendix G. Laboratory validation reports are contained in Appendix K.

28.4.1 ST-230 Analytical Results

Organic Compounds

The VOC acetone (0.0095 mg/kg) was only detected in the 5- to 9-ft sample from borehole ST-230-01. No other VOC analytes were detected in soil samples collected at ST-230. The SVOC phenol was detected in samples ST-230-02 (10- to 14-ft) at 0.33 mg/kg, and ST-230-02 (20- to 22-ft) at 0.2 mg/kg. The concentrations of acetone and phenol detected did not exceed their respective HHRB action levels of 8,000 and 48,000 mg/kg (Table 28-2). Acetone was found in associated QC samples and is believed to be the result of laboratory contamination as discussed in Section 3.5.1.

Petroleum Hydrocarbons

Both diesel range and gasoline range hydrocarbons were detected in soil samples collected at ST-230. Diesel range hydrocarbons were detected in five of the seven soil samples at concentrations ranging from 2.7 to 5.5 mg/kg. Gasoline range hydrocarbons were detected in every sample at concentrations ranging from 0.11 to 0.47 mg/kg. These detections did not exceed the NMED action level of 100 mg/kg (Table 28-2). Gasoline range hydrocarbons were also detected in associated QC samples and are believed to be the result of laboratory contamination as discussed in Section 3.5.1.

Metals

Antimony, arsenic, and beryllium were detected in soil samples from ST-230 at concentrations exceeding their respective HHRB action levels. Antimony was detected in the 5- to 9-ft field replicate sample from borehole ST-230-01 at 42.7 mg/kg, above the HHRB action level of

Table 28-2. Summary of Reportable Concentrations for Soil Analyses at OWS ST-230, Bldg. 1046, Kirtland AFB, New Mexico[Ψ,1] [Concentrations (mg/kg)]

Chemical Class	Analyte	PQL UTL	HHRB Action Level[2]	Borehole Number and Sample Depth Interval (ft)						
				ST-230-01				*ST-230-02*		
				5-9	5-9 FR	10-12	20-22	5-7	10-14	20-22
VOC	Acetone	0.1	8000	0.0095 J	ND	ND	ND	ND	ND	ND
SVOC	Phenol	0.3	48000	ND	ND	ND	ND	ND	0.33	0.2
TPH	Diesel Fraction	10	100	5.5	3.4	ND	3.1	ND	4.9	2.7
	Gasoline Fraction	1	100	0.17	0.47	0.11	0.21	0.12	0.11	0.2
METALS	Aluminum	13300	N/A	3050	6230	12000	9000 J	6440	6250	8060
	Antimony	N/A	32	ND	42.7	ND	ND	ND	ND	ND
	Arsenic	N/A	0.4	ND	ND	10.7	ND UJ	ND	ND	ND
	Barium	496	5600	110	479	150	45.7	63.8	109	44.7
	Beryllium	0.83	0.2	0.21	0.24	0.66	0.44	0.33	0.45	0.45
	Cadmium	N/A	40	ND	ND	ND	ND	0.55	ND	ND
	Calcium	119000	N/A	16400	159000	36400	53400 J	22700	38100	17700
	Chromium, Total	14.9	400	8.9	6.6	10.6	8.1 J	6.7	9.3	7.8
	Cobalt	11.3	N/A	4.2	3.9	7.1	5.1	4.8	4.7	4.9
	Copper	135	N/A	78.9	84.8	133	12.8 J	47.5	94.2	83.6
	Iron	20900	N/A	8010	5970	14300	11000 J	9900	9930	9880
	Lead	22.9	400	4.5	5.3	7.1	3.4	5.7	6.0	6.4
	Magnesium	8730	N/A	2030	7890	5520	3870	2700	3600	3300
	Manganese	435	400	153	95.3	274	143	145	175	136
	Nickel	54.4	1600	212	10.1	12.0	9.0	6.6	70.4	16.9
	Potassium	2730	N/A	705	633	1950	1710	1390	1200	1500
	Sodium	519	N/A	122	109	309	336 J	131	241	358
	Vanadium	49.2	720	15.9	24.5	39.3	22.3	19.7	21.6	18.2
	Zinc	81.6	24000	57.6	65.7	141	26.5	52.3	92.2	60.3
OTHER	Moisture (%)			3.8	17.0	8.7	9.6	8.6	11.5	10.8
	pH			8.4	8.4	8.8	8.6	8.1	8.7	8.4

Ψ Complete table footnotes can be found after the last table in this section.

Table28-3. Summary of Reportable Concentrations for Soil Analyses at Holding Tank ST-231, Bldg. 1046, Kirtland AFB, New Mexico[Ψ,1]
[Concentrations (mg/kg)]

Chemical Class	Analyte	PQL / UTL	HHRB Action Level[2]	Borehole Number and Sample Depth Interval (ft)								
				ST-231-01		*ST-231-02*			*ST-231-03*		*ST-231-04*	
				8-10	13-15	7-11	7-11 FR	13-17	8-12	13-15	8-11	13-15
VOC	Acetone	0.1	8000	0.0066 J	ND	ND	0.0065 J	ND	ND	ND	ND	0.019
	Carbon Disulfide	0.005	8000	ND	ND	ND	ND	ND	ND	ND	ND	0.012
	Methyl Ethyl Ketone	0.1	48000	ND	ND	ND	ND	ND	ND	ND	ND	0.0022 J
	Methyl Isobutyl Ketone	0.05	N/A	ND	ND	ND	ND	ND	ND	ND	ND	0.0016 J
	Methylene Chloride	0.005	93.3	ND	ND	ND	ND	0.0034 J	ND	ND	ND	ND
SVOC	Phenol	0.3	48000	ND	ND	ND	ND	1.6 J	ND	ND	ND	ND
TPH	Diesel Fraction	10	100	ND	ND	5	3.4	2	3.8	10.0	3.6	1.8
	Gasoline Fraction	1	100	ND	0.13	0.22	ND	ND	1.3	ND	0.3	0.28
METALS	Aluminum	13300	N/A	8610	11700	5680	5450	7060 J	6850	8950	8800	3510
	Arsenic	N/A	0.4	ND	ND	ND	7.0	ND UJ	ND	ND	9.8	ND
	Barium	496	5600	451	43.2	585	910	183 J	141	148	71.1	54.8
	Beryllium	0.83	0.2	0.37	0.75	0.33	0.33	0.45	0.44	0.56	0.68	0.21
	Cadmium	N/A	40	ND	1.1	ND	ND	ND UJ	ND	ND	ND	ND
	Calcium	119000	N/A	131000	84400	35100	41800	28600 J	22700	35300	92500	13000
	Chromium, Total	14.9	400	8.6	10.2	6.1	6.1	6.9 J	8.1	10.0	9.7	4.9
	Cobalt	11.3	N/A	4.8	8.0	2.7	3.7	7.1	5.5	7.9	8.0	2.5
	Copper	135	N/A	31.1	21.5	18.7	7.3	10.6 J	22.5	36.0	14.0	19.1
	Iron	20900	N/A	8780	15900	7130	6500	14400 J	9860	15100	13700	4750
	Lead	22.9	400	4.8	10.8	3.8	4.7	4.9	7.0	7.3	9.8	4.4
	Magnesium	8730	N/A	8440	6980	3770	3910	5220	4290	6110	6490	2050
	Manganese	435	400	159	322	97.1	89.5	317	223	327	288	76.8
	Nickel	54.4	1600	10.2	13.3	6.3	5.1	9.7	7.8	11.2	12.4	3.9
	Potassium	2730	N/A	902	1770	831	711	1990 J	1170	1750	1580	603
	Sodium	519	N/A	170	681	105	90.8	311 J	89.1	127	555	78.6
	Vanadium	49.2	720	29.2	31.3	27.3	26.3	27.1	26.3	26.8	30.8	17.3
	Zinc	81.6	24000	46.2	43.4	30.3	21.1	38.1 J	33.4	49.9	39.4	17.9
OTHER	Moisture (%)			8.9	6.2	7.7	8.4	10.7	9	10.1	12.0	4.5
	pH			8.0	8.6	8.4	8.3	8.4	8.3	8.3	8.5	8.3

Ψ Complete table footnotes can be found after the last table in this section.

Table28-4. Summary of Reportable Concentrations for Soil Analyses at Sewage Ejector ST-232, Bldg. 1046, Kirtland AFB, New Mexico[Ψ,1] [Concentrations (mg/kg)]

Chemical Class	Analyte	PQL UTL	HHRB Action Level[2]	Borehole Number and Sample Depth Interval (ft)			
				ST-232-01		*ST-232-02*	
				8-11	13-15	8-12	13-16
VOC	Acetone	0.1	8000	0.017	0.018	0.017	0.021
	Methyl Ethyl Ketone	0.1	48000	ND	ND	0.0032 J	ND
	Methylene Chloride	0.005	93.3	ND	ND	0.0023 J	ND
	Toluene	0.005	16000	ND	ND	0.0037	ND
TPH	Diesel Fraction	10	100	2.1	ND	ND	ND
	Gasoline Fraction	1	100	0.33	0.19	0.14	ND
METALS	Aluminum	13300	N/A	6670	7480	5060	10800
	Barium	496	5600	140	171	141	207
	Beryllium	0.83	0.2	0.33	0.54	0.31	0.67
	Calcium	119000	N/A	35900	24300	27500	30300
	Chromium, Total	14.9	400	5.8	8.7	5.1	10.3
	Cobalt	11.3	N/A	4.8	7.9	3.9	9.9
	Copper	135	N/A	27.3	41.9	22.9	44.9
	Iron	20900	N/A	9320	13900	7860	18000
	Lead	22.9	400	6.8	6.8	4.9	10.1
	Magnesium	8730	N/A	3150	5100	3150	6930
	Manganese	435	400	136	299	132	415
	Nickel	54.4	1600	6.9	10.4	10.0	13.1
	Potassium	2730	N/A	1260	1570	827	2220
	Sodium	519	N/A	83.2	294	86.8	194
	Vanadium	49.2	720	20.1	26.4	26.0	32.4
	Zinc	81.6	24000	373	50.1	25.5	58.8
OTHER	Moisture (%)			10.0	7.9	4.6	9.8
	pH			8.1	8.8	8.2	8.3

Ψ Complete table footnotes can be found after the last table in this section.

1 Complete laboratory analytical results including method detection limits are presented in the ITIR appendices.

2 Action Level Proposed Rule RCRA Subpart S Action Levels (55 FR 30814, 7/27/90).

*; TPH action level is 100 mg/kg adopted from NM UST regulations (USGS 2B Work Plan 3.6, NM El Board, 1990). SW-8015 analyzes volatile and semivolatile petroleum hydrocarbon fractions separately. The total concentration of the two fractions analyzed under 8015 will be used to assess compliance with stipulated action levels for the purpose of this RFI.

PQL; Practical Quantitation Limits (defines VOC, SVOC and TPH).

pCi/g; Picocuries per gram.

VOC; Volatile Organic Compounds.

TPH; Total Petroleum Hydrocarbons.

RAD; Radionuclides.

ND; Not Detected above the method detection limit.

U; Accept data (positive results may be influenced by lab contamination).

RE; Resample.

NA; Not Analyzed

UTL; Upper Tolerance Limits (defines METALS).

HHRB; Human Health Risk Based.

SVOC; Semivolatile Organic Compounds.

FR; Field Replicate.

UJ; Estimated Nondetect.

J; Estimated value.

R; Reject NDs due to interference.

--; No Data.

32.0 mg/kg. Antimony was also detected in the background sampling borehole ST-233-01 samples at concentrations of 22.2 and 33.4 mg/kg. Arsenic (10.7 mg/kg) was detected in the 10- to 12-ft sample above the HHRB action level of 0.4 mg/kg. Concentrations of beryllium, ranging from 0.21 mg/kg to 0.66 mg/kg, exceeded the HHRB action level of 0.2 mg/kg. No other inorganic constituents were detected above HHRB action levels at ST-230 (Table 28-2). The arsenic and beryllium concentrations may be naturally occurring at Kirtland AFB as discussed in Section 4.2.2.

Soil pH and Moisture

Soil pH ranged from 8.1 to 8.8. Soil moisture values ranged from 8.6 to 17.0 percent (Table 28-2).

28.4.2 ST-231 Analytical Results

Organic Compounds

VOC analytes detected in one or more soil samples collected at ST-231 include: acetone, carbon disulfide, methyl ethyl ketone, methyl isobutyl ketone, and methylene chloride. No VOC concentrations exceeded HHRB action levels (Table 28-3). These constituents were found in associated QC samples and are believed to be the result of laboratory contamination as discussed in Section 3.5.1.

Phenol (1.6 mg/kg) in the 13- to 17-ft sample from borehole ST-231-02 was the only SVOC analyte detected in soil samples collected at ST-231. This concentration did not exceed the HHRB action level of 48,000 mg/kg (Table 28-3).

Petroleum Hydrocarbons

Diesel range and gasoline range hydrocarbons were detected in soil samples collected at ST-231. Diesel range hydrocarbons were detected in seven of the nine soil samples at concentrations ranging from 1.8 to 10 mg/kg. Gasoline range hydrocarbons were present in five samples at concentrations ranging from 0.13 to 1.3 mg/kg. These detections did not exceed the NMED action level of 100 mg/kg (Table 28-3). Gasoline range hydrocarbons were also detected in associated QC samples and are believed to be the result of laboratory contamination as discussed in Section 3.5.1.

Metals

Arsenic and beryllium were the only metals detected in soil samples from ST-231 above their respective HHRB action levels. Arsenic was detected at 7.0 and 9.8 mg/kg in the replicate 7- to 11-ft sample from borehole ST-231-02 and the 8- to 11-ft sample from borehole ST-231-04. These detections exceeded the HHRB action level of 0.4 mg/kg for arsenic. Beryllium was detected in all

samples at concentrations ranging from 0.21 to 0.75 mg/kg. These concentrations exceeded the HHRB action level of 0.2 mg/kg. Table 28-3 lists all reportable metal concentrations detected in soil samples collected at ST-231.

Soil pH and Moisture

Soil pH ranged from 8.0 to 8.6. Soil moisture values ranged from 4.5 to 12.0 percent (Table 28-3).

28.4.3 ST-232 Analytical Results

Organic Compounds

VOC analytes detected in one or more soil samples collected at ST-232 include: acetone, methyl ethyl ketone, methylene chloride, and toluene. The concentrations detected did not exceed HHRB action levels (Table 28-4). These chemicals were also detected in associated QC samples and are believed to be the result of laboratory contamination as discussed in Section 3.5.1.

No SVOC analytes were detected in soil samples collected at ST-232.

Petroleum Hydrocarbons

Both diesel range and gasoline range hydrocarbons were detected in soil samples collected at ST-232-01. Diesel range hydrocarbons (2.1 mg/kg) were detected only in the 8- to 11-ft sample from borehole ST-232-01. Gasoline range hydrocarbons were detected in three samples at concentrations ranging from 0.14 to 0.33 mg/kg. These detections did not exceed the NMED action level of 100 mg/kg (Table 28-4).

Metals

Beryllium and manganese were the only metals detected in the samples from ST-232 above their respective HHRB action levels. Beryllium was detected in all samples at concentrations ranging from 0.31 to 0.67 mg/kg. These concentrations exceeded the HHRB action level of 0.2 mg/kg. Manganese (415 mg/kg) in the 13- to 16-ft sample from borehole ST-232-02 exceeded the HHRB action level of 400 mg/kg (Table 28-4). These concentrations of beryllium and manganese may be naturally occurring at Kirtland AFB as discussed in Section 4.2.2.

Soil pH and Moisture

Soil pH ranged from 8.1 to 8.8. Soil moisture values ranged from 4.6 to 10.0 percent (Table 28-4).

28.5 Risk Characterization Summary

A baseline human health risk assessment for Site ST-230 was conducted according to the methods outlined in Section 3.6. All calculations to support this risk evaluation are provided in Appendix H.

At ST-230, the only potential constituent of concern found in the soil at levels in excess of HHRB action levels was antimony. Six soil samples were collected from this site. The data set for the potential constituent of concern was evaluated and was found to have a log-normal sample distribution. The 95-percent UCL was calculated as 21.19 mg/kg. Antimony is classified with a "D" weight of evidence. This means that antimony is unclassifiable as to its human carcinogenicity.

The reference dose of 0.0004 mg/kg/day was used to calculate the corresponding hazard quotient as discussed in Section 3.6. Based on this information, the "worst-case" scenario (future residential land use) was evaluated for the incidental ingestion of soil from Site ST-230. The hazard quotients generated for the adult and child were 0.09 and 0.9, respectively. The hazard index calculated for antimony from the incidental ingestion of soil at Site ST-230 was (1.0) unity. Therefore, noncarcinogenic health risks are not likely to occur based on this "worst-case" exposure scenario, since the hazard index equals the USEPA acceptable limit.

28.6 Conclusions and Recommendations

Conclusions

- None of the VOC analytes was detected at levels exceeding HHRB action levels. Concentrations of phenol, the only SVOC analyte detected at these sites, did not exceed HHRB action levels.

- Diesel and gasoline range hydrocarbons were detected in over half the samples collected at these sites. None of the detections exceeded the NMED action level.

- Antimony, arsenic, beryllium, and manganese were detected at concentrations above the HHRB action levels in soil samples collected from the three sites. Antimony was detected in one site sample at a concentration of 42.7 mg/kg. Arsenic was detected above the HHRB of 0.4 mg/kg in three samples. Beryllium was detected in all samples. Manganese was above the HHRB action level of 400 mg/kg in one sample. These concentrations of arsenic, beryllium, and manganese appear to be naturally occurring throughout Kirtland AFB.

- A baseline human health risk assessment was performed at Site ST-230 to determine hypothetical noncarcinogenic health risks from antimony present in the soil. A future residential land use scenario ("worst-case") was evaluated for the incidental ingestion of soil by child and

adult residents. The hazard index was determined to equal 1.0; therefore, noncarcinogenic health risks are not likely to be associated with this exposure scenario.

- Analytical results from ST-230, ST-231, and ST-232 are not indicative of a release from these units.

Recommendations

- Based on the findings of the RFI, no further action is necessary; therefore, Sites ST-230, ST-231, and ST-232 do not require further investigation. No Further Action proposals should be prepared.

29.0 Site ST-233, Area Drain

29.1 Site Background and Environmental Setting

Area drain ST-233 is outdoors approximately 60 ft west of the northwest corner of building 1046 (Figure 28-1). It is made of concrete and measures 1.8 ft in diameter and 1.0 ft deep. The unit has a circular metal cover with drain holes. ST-233 is a flood control drain that receives runoff from the lawn area surrounding the drain, the roof of building 1046, and possibly from the driveway area west of building 1046 (USGS, 1993). The unit discharges west under the asphalt-paved road and into a drainage ditch. If this unit were to overflow, the runoff would probably flow into the same drainage ditch to the west. Building 1046 is part of the New Mexico Air National Guard complex located in the western portion of Kirtland AFB. ST-233 was investigated on May 30, 1994.

Building 1046 is located in the urban/industrial environmental zone. This environmental setting is discussed in Section 2.0. The nearest production wells to building 1046 are KAFB-07, located 2,800 ft to the south-southeast, KAFB-02, located 3,000 ft to the south-southwest, and KAFB-14, located 6,000 ft to the west (Figure 2-11).

29.2 Study Area Investigation

Possible source materials were not investigated in this study.

29.2.1 Previous Investigations

No previous investigations have been performed at this site.

29.2.2 Data Gaps

The main objective of this investigation was to determine if contamination is present in subsurface soil adjacent to the site. A secondary objective was to determine unit outflow, and potential overflow runoff destinations.

29.2.3 RFI Field Investigations

On March 30, 1994, two boreholes were drilled and sampled at ST-233 using a Geoprobe system (Figure 28-1). One borehole (ST-233-01) was located approximately 40 ft southwest of ST-233 to collect background concentration data. This location was assumed to be in an area away from any known or suspected contamination. ST-233-01 was also used as a background sampling borehole for Sites ST-230, ST-231, and ST-232, located about 60 ft to the southeast. Soil samples were collected for laboratory analyses at ST-233-01 at depths 8 and 15 ft below grade. These depths were equal to

the deepest sampling intervals collected at the building 1046 sites. The second borehole (ST-233-02) was sampled by driving a cluster of three 6-in.-long brass sleeves from 2 to 8 in. below grade. No other soil samples were collected at ST-233.

Sampling operations and sample handling procedures are described in Section 3.0. Borehole locations and sample depths for samples collected at ST-233 are listed in Table 29-1. Borehole logs are in Appendix C.

Table 29-1. Boreholes and Samples Collected at Area Drain ST-233, Building 1046

Site	Borehole	Borehole Location	Sample Depths (ft)
ST-233	01	Background sampling borehole for building 1046 sites	8-11
			15-19
	02	Southeast side of area drain	0.16-0.66

29.2.4 Laboratory Analysis

Three soil samples were collected at ST-233. Samples were analyzed for VOCs, SVOCs, TPH, metals, mercury (the expected contaminants associated with normal operations at this site), soil pH, and soil moisture. The samples were field screened for possible contamination using gamma and beta-gamma meters, a PID, and an FID. No readings above background values were measured with these instruments.

29.3 Site Characteristics

29.3.1 Geology

The area surrounding ST-233 is underlain by unconsolidated alluvial sediments. The sediments are predominantly fine-grained sands and very fine-grained to fine-grained silty sands. Heavy caliche staining was present from 5 to 6 ft below grade in ST-233-01. A maximum depth of 19 ft below grade was attained at borehole ST-233-01. The borehole did not penetrate into the Santa Fe Group sediments that presumably underlie this area. A discussion of the general geology at Kirtland AFB is presented in Section 2.4.

As a result of area drain installation, it is probable that backfill material is present around the unit to a depth equal to the unit's total depth. Borehole logs for this area are presented in Appendix C.

29.3.2 Hydrogeology

Groundwater beneath ST-233 is found within the Upper Santa Fe sediments and is generally thought to be unconfined in the upper portion of the aquifer. This area is within the HR1 saturated zone setting as defined by SNL studies (Figure 2-9) (SNL, 1994). Hydrologic characterization in this portion of Kirtland AFB is complicated by the presence of numerous production wells (Figure 2-11). It is probable that uniform groundwater conditions do not exist in this region. Local cones of depression associated with groundwater withdrawal have altered the groundwater flow direction in the vicinity of the well fields (Figure 2-7).

It is probable that the gradient is northerly in this area. Production wells KAFB-07, located 2,800 ft to the south-southeast, and KAFB-02, located 3,000 ft to the south-southwest, are believed to be upgradient from the site. KAFB-14, located 6,000 ft to the west, is believed to be cross gradient from the site (Figures 2-7 and 2-11). Depth to groundwater is estimated to be approximately 350 ft below grade (Figure 2-10); however, shallower perched water zones may occur. Hydraulic conductivity within HR1 is estimated at 2 to 171 ft/day (SNL, 1994). A more detailed discussion of the hydrogeology at Kirtland AFB is presented in Section 2.5.

29.4 Nature and Extent of Contamination

The following section describes the nature and extent of contamination based on the analytical results for soil samples collected at ST-233. Analytical results are summarized in Table 29-2, where only reportable concentrations of detected analytes are listed. Full analytical results are presented in Appendix G. Laboratory validation reports are presented in Appendix K.

Organic Compounds

No VOC analytes were detected in soil samples collected at ST-233 (Table 29-2).

Phenol was the only SVOC analyte detected at ST-233. Phenol was detected in each of the three soil samples collected at ST-233, at concentrations ranging from 0.46 to 1.3 mg/kg. These detections did not exceed the HHRB action level for phenol of 48,000 mg/kg (Table 29-2).

Petroleum Hydrocarbons

TPH analytical results indicated detections of both diesel range and gasoline range hydrocarbons. Diesel range hydrocarbons were detected in all three soil samples at concentrations ranging from 2.2 to 2.4 mg/kg. Gasoline range hydrocarbons (0.26 mg/kg) were detected only in the 15- to 19-ft sample collected at borehole ST-233-01. No TPH detections exceeded the NMED action level of

Table 29-2. Summary of Reportable Concentrations for Soil Analyses at Area Drain ST-233, Bldg. 1046, Kirtland AFB, New Mexico[Ψ,1]
[Concentrations (mg/kg)]

Chemical Class	Analyte	PQL UTL	HHRB Action Level[2]	Borehole Number and Sample Depth Interval (ft)		
				ST-233-01		*ST-233-02*
				8-11	15-19	0-1
SVOC	Phenol	0.3	48000	1.3	1.3	0.46
TPH	Diesel Fraction	10	100	2.2	2.3	2.4
	Gasoline Fraction	1	100	ND	0.26	ND
METALS	Aluminum	13300	N/A	8290	9180	6560
	Antimony	N/A	32	22.2	33.4	24.2
	Barium	496	5600	884	139	107
	Beryllium	0.83	0.2	0.43	0.55	0.42
	Cadmium	N/A	40	ND	0.99	ND
	Calcium	119000	N/A	23100	28600	28200
	Chromium, Total	14.9	400	8.2	10.6	7.6
	Cobalt	11.3	N/A	5.4	7.7	4.7
	Copper	135	N/A	12.7	41.1	34.4
	Iron	20900	N/A	11800	16700	9000
	Lead	22.9	400	7.1	9.3	16.7
	Magnesium	8730	N/A	4190	6390	2480
	Manganese	435	400	211	313	155
	Nickel	54.4	1600	14.7	11.6	5.8
	Potassium	2730	N/A	1490	1890	1490
	Sodium	519	N/A	96.3	93.2	80.0
	Vanadium	49.2	720	29.8	30.4	17.4
	Zinc	81.6	24000	30.4	52.0	36.8
OTHER	Moisture (%)			6.0	8.8	4.4
	pH			8.3	8.1	8.0

Ψ Complete table footnotes can be found after the last table in this section.

1 Complete laboratory analytical results including method detection limits are presented in the ITIR appendices.

2 Action Level Proposed Rule RCRA Subpart S Action Levels (55 FR 30814, 7/27/90).

*; TPH action level is 100 mg/kg adopted from NM UST regulations (USGS 2B Work Plan 3.6, NM EI Board, 1990). SW-8015 analyzes volatile and semivolatile petroleum hydrocarbon fractions separately. The total concentration of the two fractions analyzed under 8015 will be used to assess compliance with stipulated action levels for the purpose of this RFI.

PQL; Practical Quantitation Limits (defines VOC, SVOC and TPH).

pCi/g; Picocuries per gram.

VOC; Volatile Organic Compounds.

TPH; Total Petroleum Hydrocarbons.

RAD; Radionuclides.

ND; Not Detected above the method detection limit.

U; Accept data (positive results may be influenced by lab contamination).

RE; Resample.

NA; Not Analyzed

UTL; Upper Tolerance Limits (defines METALS).

HHRB; Human Health Risk Based.

SVOC; Semivolatile Organic Compounds.

FR; Field Replicate.

UJ; Estimated Nondetect.

J; Estimated value.

R; Reject NDs due to interference.

--; No Data.

100 mg/kg (Table 29-2). Gasoline range hydrocarbons were found in associated QC samples and are believed to be the result of laboratory contamination as discussed in Section 3.5.1.

Metals

Antimony and beryllium were the only metals detected at ST-233 above HHRB action levels (Table 29-2). Concentrations of beryllium, ranging from 0.42 to 0.55 mg/kg, exceeded the HHRB action level of 0.2 mg/kg but did not exceed the UTL of 0.82 mg/kg. Antimony, which was detected in each sample collected at ST-233, only exceeded the HHRB action level of 32.0 mg/kg in the 15- to 19-ft sample from the background sampling borehole ST-233-01, with a concentration of 33.4 mg/kg (Table 29-2). These concentrations of antimony and beryllium may be naturally occurring at Kirtland AFB as discussed in Section 4.2.2.

Soil pH and Moisture

Soil pH ranged from 8.0 to 8.3. Soil moisture values ranged from 4.4 to 8.8 percent (Table 29-2).

29.5 Conclusions and Recommendations

Conclusions

- No VOC analytes were detected in soil samples collected at ST-233. Phenol was the only SVOC analyte detected and was present in the three site samples at concentrations below the HHRB action level of 48,000 mg/kg.
- TPH concentrations did not exceed the NMED action level of 100 mg/kg.
- Antimony and beryllium were the only metals detected at concentrations exceeding HHRB action levels. Antimony was present in only one sample at a concentration exceeding the HHRB action level. Beryllium was present in all samples at concentrations exceeding the HHRB action level of 0.2 mg/kg, but below the UTL of 0.83 mg/kg. The antimony and beryllium concentrations appear to be naturally occurring throughout Kirtland AFB.
- ST-233 analytical results are not indicative of a release from this unit.

Recommendations

- Based on the findings of the RFI, no further action is necessary; therefore, Site ST-233 does not require further investigation. A No Further Action proposal should be prepared.

30.0 Sites ST-234, ST-235, ST-236, Oil/Water Separators and ST-237, Area Drain

30.1 Site Background and Environmental Setting

These sites are at building 1051, the Aerospace Ground Equipment maintenance shop, in the New Mexico Air National Guard Area of Kirtland AFB. OWS ST-234 is outside on the east side of the building; OWS ST-235 is outside near the southeast corner of the building; and OWS ST-236 is outside on the south side of the building. Area drain ST-237 is outside near the southeast corner of the building between buildings 1051 and 1061. These sites were investigated on May 17-19, 1994.

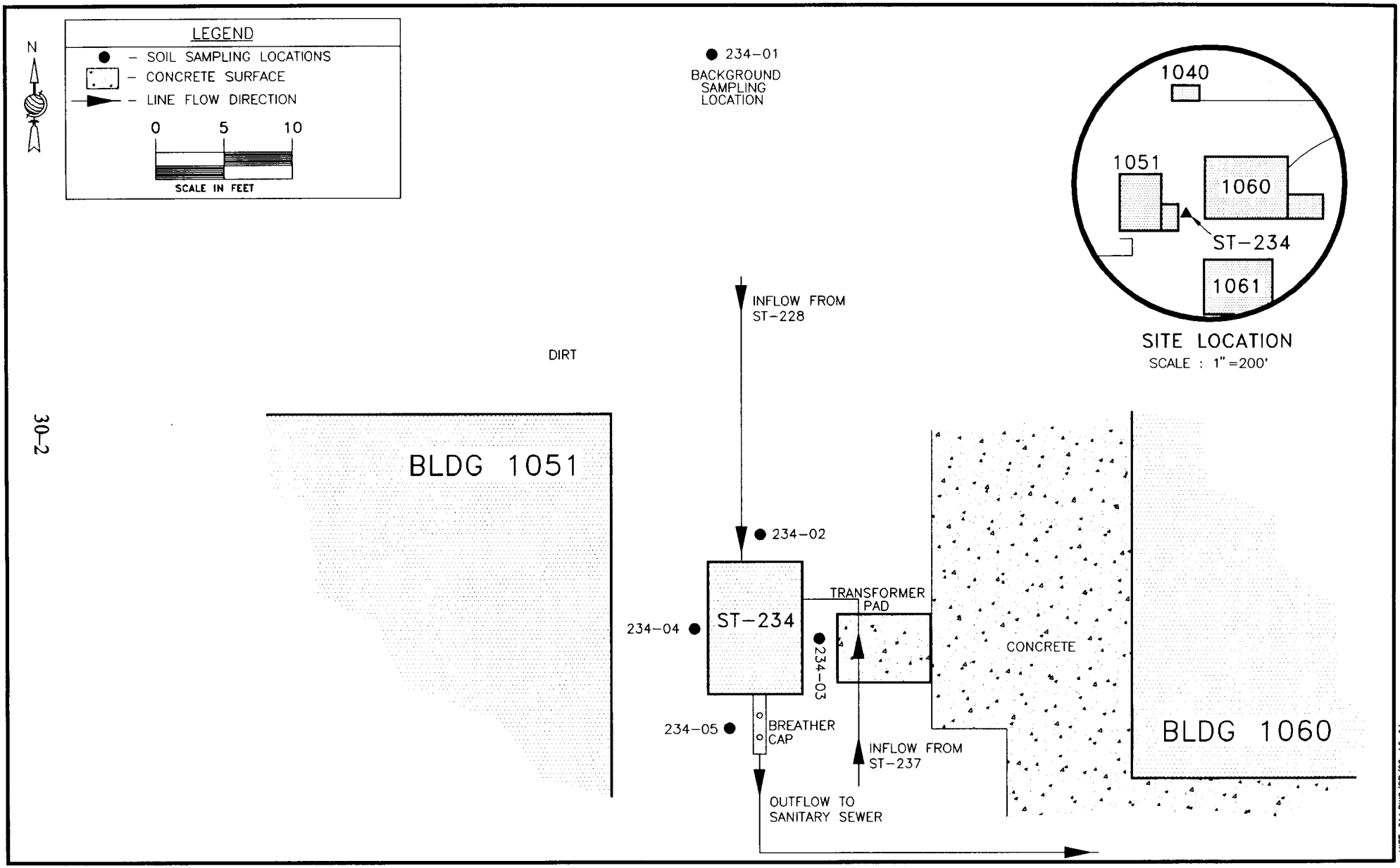
OWS ST-234 is made of concrete and is 9.5 ft long, 5 ft wide, and 8 ft deep. One half of the OWS is covered by an open metal grate; the other half has a solid metal cover. It receives flow from area drains ST-228 to the north and ST-237 to the south. The OWS receives inflow on its northern end and discharges south to an eastward flowing sanitary sewer lateral (Figure 30-1). If this unit were to overflow, runoff could infiltrate into the surrounding soil, possibly flowing south into area drain ST-237 and then back into ST-234.

OWS ST-235 is made of metal and is 3.9 ft long, 2.8 ft wide, and 4 ft deep. It has a solid metal cover and receives flow from OWS ST-247, the Air National Guard wash rack about 170 ft to the south (Section 36.0), and OWS ST-236 about 45 ft to the west. This unit discharges eastward to the sanitary sewer (Figure 30-2). If this unit were to overflow, runoff could flow southeast into area drain ST-237 and then flow into OWS ST-234.

OWS ST-236 is a metal-lined concrete vault measuring 4 ft square and 1 ft deep with a solid metal cover. It receives flow from a floor drain inside building 1051. This unit discharges eastward to OWS ST-235, which in turn, discharges to the sanitary sewer (Figure 30-3). Records indicate that this unit has overflowed. Since the concrete vault surrounding the OWS has no bottom, overflow can potentially reach the underlying soil (USGS, 1993). This unit is scheduled for removal in 1994.

Area drain ST-237 is a concrete vault measuring 5 ft square at the surface and 2 ft deep. A 1.7-ft square metal grate is centered on the top surface (Figure 30-2). It receives inflow from the asphalt driveway between buildings 1051, 1060, and 1061. It discharges north to OWS ST-234, which, in turn, discharges to the sanitary sewer (Figure 30-2).

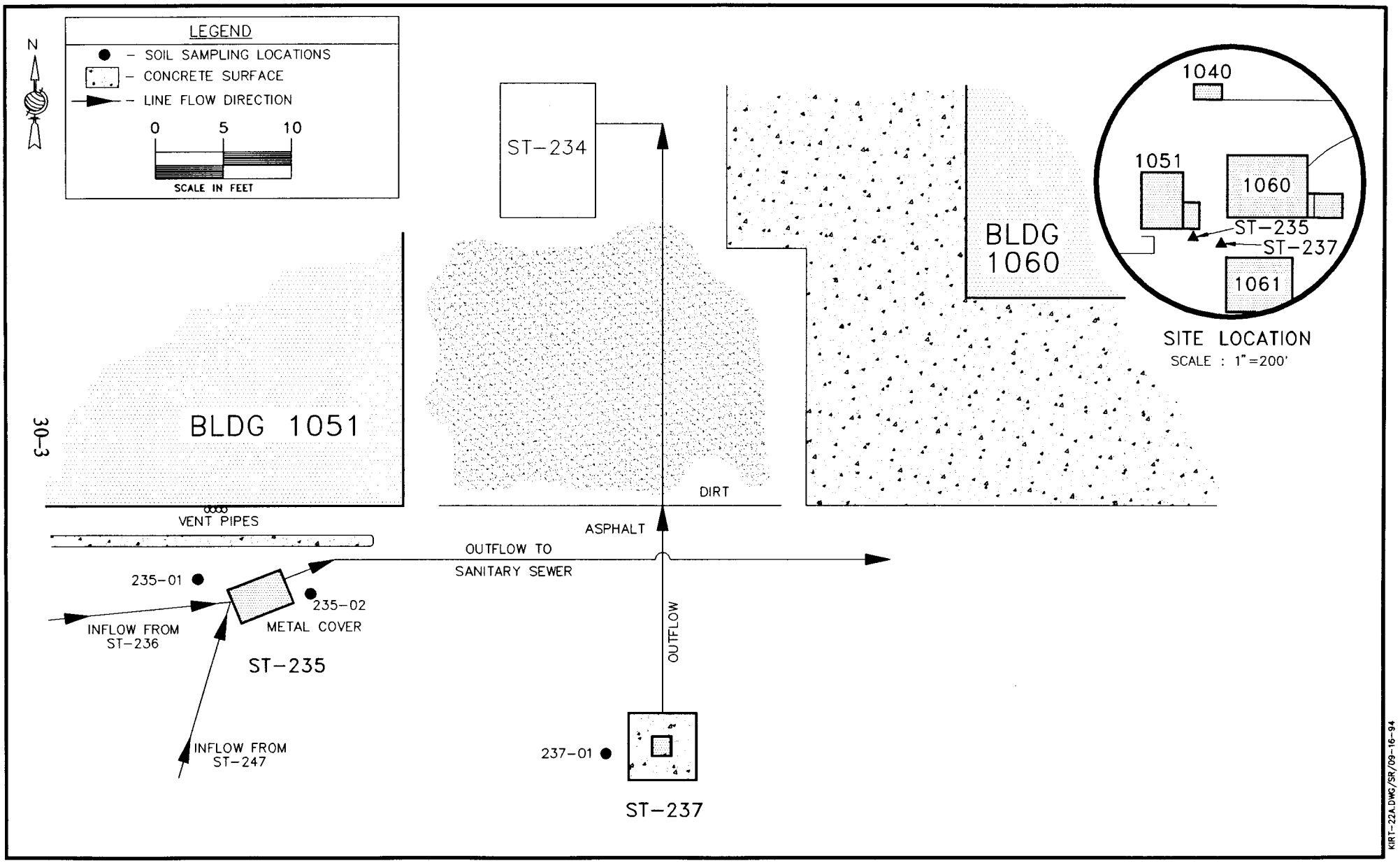
While investigating ST-247 on May 26, 1994, this drain and area drain ST-228 on the north side of building 1051 (Section 26.0) were observed to back up and flood the surrounding areas following a



SOIL SAMPLING LOCATIONS AT OIL/WATER SEPARATOR ST-234, BUILDING 1051

FIGURE 30-1

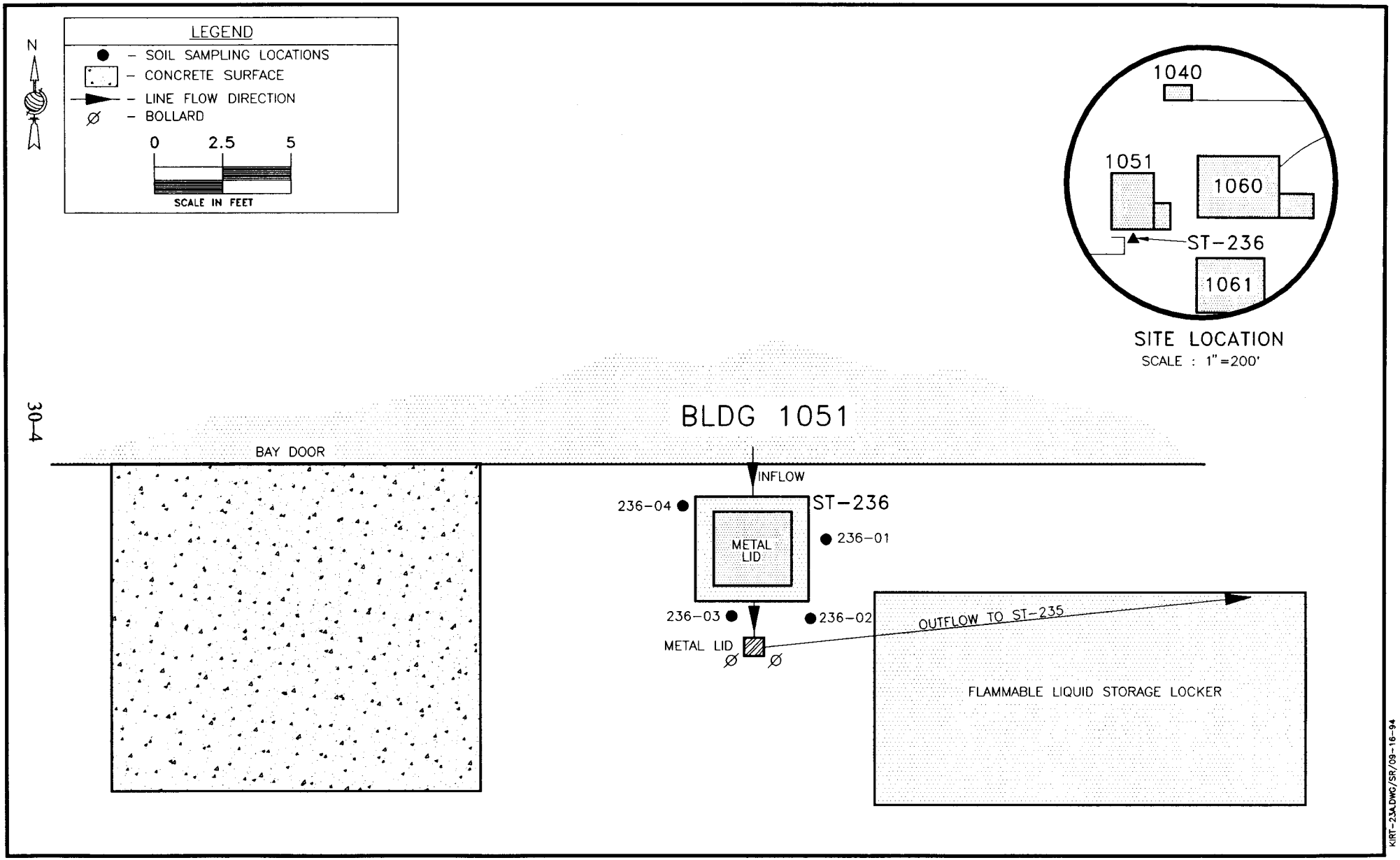
RCRA FACILITY INVESTIGATION STAGE 2B KIRTLAND AIR FORCE BASE, NEW MEXICO



SOIL SAMPLING LOCATIONS AT OIL/WATER SEPARATOR ST-235, AND AREA DRAIN ST-237, BUILDING 1051

FIGURE 30-2

RCRA FACILITY INVESTIGATION STAGE 2B KIRTLAND AIR FORCE BASE, NEW MEXICO



30-4

KIRT-23A.DWG/SR/09-16-94

SOIL SAMPLING LOCATIONS AT OIL/WATER SEPARATOR ST-236, BUILDING 1051

FIGURE 30-3

RCRA FACILITY INVESTIGATION STAGE 2B KIRTLAND AIR FORCE BASE, NEW MEXICO

period of intense rainfall. According to building 1060 personnel, flooding typically happens following heavy rainfall and takes several hours to drain away.

These sites are located in the urban/industrial environmental zone. This environmental setting is discussed in Section 2.0. Four production wells are located in this area of Kirtland AFB. Well KAFB-1 is 4,600 ft east, KAFB-7 is 2,900 ft southeast, KAFB-2 is 3,800 ft southwest, and KAFB-14 is 6,700 west (Figure 2-11).

30.2 Study Area Investigation

Possible source materials were not investigated in this study. Previous investigations sampled source materials as described below.

30.2.1 Previous Investigations

In 1990, 1991, and 1992 a Kirtland AFB environmental contractor sampled materials (oil, water, and sediment) present in the OWSs and area drain. Reportable analytes are summarized in Table 30-1. Full results for these samplings are presented in Appendix B of the USGS Stage 2B Work Plan (USGS, 1993a).

Table 30-1. Analytes in OWSs ST-234, ST-235, ST-236, and Area Drain ST-237, Building 1051

Site	Year Sampled	TPH (mg/kg)	TOX (mg/kg)	Cadmium (mg/kg)	Lead (mg/kg)	Chromium (mg/kg)	Other (mg/kg)
ST-234	1992	ND	131	1.3	ND	ND	ND
ST-235	1990	15,120	ND	ND	ND	ND	Substituted aromatic hydrocarbons 11,000; Naphthalene 1,220
	1991	1,935	134	ND	ND	ND	Mercury 0.2
	1992	252; 400[a]	344	6.01	11.5	ND	ND
ST-236	1991	1,221	1,358	ND	ND	ND	ND
	1992	ND	ND	ND	11.5	6.8	ND
ST-237	1991	750	ND	ND	ND	ND	ND
	1992	ND	105	ND	ND	6.5	ND

a. Result from replicate sample.
ND = Not Detected.

30.2.2 Data Gaps

The main objective of this investigation was to determine if contamination is present in the subsurface adjacent to these units. A secondary objective was to determine the unit's outflow and potential overflow runoff destinations.

30.2.3 RFI Field Investigation

Borehole ST-234-01 was drilled north of ST-234 to collect background concentration data for the four sites at building 1051 (Figure 30-1). This location was assumed to be in an area away from any known or suspected contamination. Sample depths were equal to the deepest samples planned for all units at this site (i.e., 8 and 13 ft below grade for OWS ST-234).

On May 18, 1994, four boreholes were drilled and sampled adjacent to OWS ST-234 using a Geoprobe system. Boreholes ST-234-02 and ST-234-03 were drilled as close as possible to the two OWS inflow pipes. Borehole ST-234-05 was located near the OWS outflow pipe. Borehole ST-234-04 was drilled midway along the length of the OWS's west side (Figure 30-1). The OWS bottom is 8 ft below grade, and two samples per borehole were collected at depths equal to the base and 5 ft below the base (i.e., 8 and 13 ft).

On May 19, 1994, two boreholes were drilled and sampled adjacent to OWS ST-235 using a Geoprobe system. Borehole ST-235-01 was drilled as close as possible to the two OWS inflow pipes. Borehole ST-235-02 was drilled as close as possible to the outflow pipe (Figure 30-2). The OWS base is 4 ft below grade, and two samples per borehole were collected at depths equal to the base and 5 ft below the base (i.e., 4 and 9 ft).

On May 17, 1994, four boreholes were drilled and sampled adjacent to OWS ST-236 using a Geoprobe system. Borehole ST-236-04 was located as close as possible to the OWS inflow pipe while borehole ST-236-03 was drilled as close as possible to the outflow pipe (Figure 30-3). The OWS base is 1 ft below grade, and two samples per borehole were collected at depths equal to the base and 5 ft below the base (i.e., 1 and 6 ft).

On May 19, 1994, one borehole, ST-237-01, was drilled and sampled adjacent to area drain ST-237 using a Geoprobe system. This drain does not have a distinct inflow point; and probing the unit sides failed to locate the outflow pipe to ST-237. The borehole was drilled on the west side of the drain where the outflow was thought to be located and in an area with surface staining. Subsequent research revealed that the outflow was probably on the north side of the unit (Figure 30-2).

Sampling operations and sample handling procedures are described in Section 3.0. Borehole locations, sample depths, and replicate samples collected at OWS ST-234, ST-235, ST-236 and area drain ST-237 are listed in Table 30-2. Borehole logs are in Appendix C.

Table 30-2. Boreholes and Samples Collected at OWSs ST-234, ST-235, ST-236 and Area Drain ST-237, Building 1051

Site	Borehole	Borehole Location	Sample Depths (ft)
ST-234	01	Background sampling borehole	8-10
			13-15
	02	Near OWS inflow	8-11
			13-16
	03	Near OWS inflow	8-11
			13-15
	04	West side of OWS	8-14[a]
			14-19
	05	Near OWS outflow	8-12
			13-15
ST-235	01	Near OWS inflow	4-6
			9-11
	02	Near OWS outflow	4-6
			9-11
ST-236	01	East side of OWS	1-4
			6-10
	02	Southeast corner of OWS	1-4
			6-8
	03	Near OWS outflow	3-6
			6-11[a]
	04	Near OWS inflow	1-4
			6-8
ST-237	01	West side of area drain	5-8
			12-14

a. Replicate sample also collected in this depth interval.

30.2.4 Laboratory Analysis

Twenty-six soil samples, including replicate samples, were collected at these units. These samples were analyzed for VOCs, SVOCs, TPH, metals, mercury (the expected contaminants associated with operations at this facility), soil pH, and soil moisture. Soil samples were field screened for possible contamination using gamma and beta-gamma meters, a PID, and an FID. No readings above background values were measured with these instruments.

30.3 Site Characteristics

30.3.1 Geology

The building 1051 area is underlain by unconsolidated alluvial sediments. The sediments are predominantly very fine-grained to fine-grained sands and silty sands. Coarser grained sediments were occasionally encountered. Sandy gravel, possibly 3 ft thick, was encountered in boreholes ST-234-02 and ST-234-04 at about 15.75 ft below grade. Gravely sand, approximately 0.5 to 2 ft thick, was encountered in boreholes ST-236-01, ST-236-03, and ST-236-04 at about 3.5 to 5 ft below grade. Silts were penetrated in only two boreholes. A 0.75-ft-thick clayey silt was encountered in borehole ST-236-04 at 6 ft below grade. Sandy silt was found at 14.75 ft below grade, in borehole ST-234-01. Caliche occurred as stained and mottled intervals, patches, and rarely as nodules. Caliche was not noted below a depth of 6 ft in this area. An iron oxide stained patch was noted at a depth of 6 ft in borehole ST-234-03. No borehole at these sites penetrated into the Santa Fe Group sediments that presumably underlie this area. A discussion of the general geology at Kirtland AFB is presented in Section 2.4.

In boreholes adjacent to the OWSs and area drain, it is probable that backfill material is present to a depth at least equal to the unit depth. Borehole logs for this site are presented in Appendix C.

30.3.2 Hydrogeology

Groundwater beneath this area is found within the Upper Santa Fe sediments and is generally thought to be unconfined in the upper portion of the aquifer. This area is within the HR1 saturated zone setting as defined by SNL studies (Figure 2-9) (SNL, 1994). Hydrologic characterization in this portion of Kirtland AFB is complicated by the presence of numerous production wells (Figure 2-11). It is probable that uniform groundwater conditions do not exist in this region. Local cones of depression associated with groundwater withdrawal have altered the groundwater flow direction in the vicinity of the well fields (Figure 2-7).

It is probable that the gradient is northerly in this area. Four production wells are located in this area of Kirtland AFB. Well KAFB-1 is cross gradient about 4,600 ft east, KAFB-7 is upgradient about 2,900 ft southeast, KAFB-2 is probably upgradient 3,800 ft southwest, and KAFB-14 is cross gradient 6,700 ft west (Figures 2-7 and 2-11). Depth to groundwater is estimated to be approximately 350 ft below grade (Figure 2-10); however, shallower perched water zones may occur. Hydraulic conductivity within HR1 is estimated at 2 to 171 ft/day (SNL, 1994). A general discussion of the hydrogeology at Kirtland AFB is presented in Section 2.5.

30.4 Nature and Extent of Contamination

The following subsections describe the nature and extent of contamination based on soil sampling results. Analytical results for soil samples at these sites are summarized in Tables 30-3 through 30-6, where only the reportable concentrations are listed. Full analytical results are presented in Appendix G. Laboratory validation reports are presented in Appendix K.

30.4.1 ST-234 Analytical Results

Organic Compounds

The following VOC analytes were detected in one or more of the soil samples collected at ST-234: acetone, methylene chloride, and toluene (Table 30-3). Acetone (0.0022 to 0.0055 mg/kg) was found in only 4 of the 11 samples. Methylene chloride (0.0042 to 0.0091 mg/kg) was detected in all samples at this site. Toluene (0.0012 to 0.0095 mg/kg) was detected in the 13- to 15-ft sample from borehole ST-234-05 and in the 14- to 19-ft sample from borehole ST-234-04. None of these analytes was detected at concentrations exceeding HHRB action levels. The detected analytes were found in associated QC samples and are believed to be the result of laboratory contamination as discussed in Section 3.5.1.

The SVOCs di-n-butylphthalate and phenol were detected at this site. Di-n-butylphthalate (0.26 to 0.27 mg/kg) was detected in both samples from borehole ST-234-05. The SVOC phenol was only detected in the 13- to 15-ft sample from the background sampling borehole ST-234-01. These concentrations are all below HHRB action levels (Table 30-3).

Petroleum Hydrocarbons

Diesel range hydrocarbons were detected in all soil samples at ST-234. The concentrations ranged from 0.29 to 0.81 mg/kg (Table 30-3). These concentrations do not exceed the NMED action level of 100 mg/kg.

Table30-3. **Summary of Reportable Concentrations for Soil Analyses at OWS ST-234, Bldg. 1051, Kirtland AFB, New Mexico**[Ψ,1]
[Concentrations (mg/kg)]

Chemical Class	Analyte	PQL	HHRB Action	Borehole Number and Sample Depth Interval (ft)										
				ST-234-01		*ST-234-02*		*ST-234-03*		*ST-234-04*			*ST-234-05*	
		UTL	Level[2]	8–10	13–15	8–11	13–16	8–11	13–15	8–14	8–14 FR	14–19	8–12	13–15
VOC	Acetone	0.1	8000	0.0045 J	ND	ND	ND	ND	0.0033 J	ND	0.0055 J	ND	0.0022 J	ND
	Methylene Chloride	0.005	93.3	0.0070	0.0049	0.0042	0.0052 U	0.0070	0.0073	0.0071	0.0091	0.0065	0.0055	0.0063
	Toluene	0.005	16000	ND	ND	ND	ND	ND	ND	ND	ND	0.0012 J	ND	0.0095
SVOC	di-n-Butylphthalate	0.7	8000	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.26	0.27
	Phenol	0.3	48000	ND	0.21	ND	ND	ND	ND	ND	ND	ND	ND	ND
TPH	Diesel Fraction	10	100	0.72	0.55	0.58	0.54	0.56	0.56	0.81	0.43	0.41	0.48	0.29
METALS	Aluminum	13300	N/A	7020	9260	8390	7090 J	7140	8340	9350	6140	5700	7720	7170
	Arsenic	N/A	0.4	ND	7.6	ND	ND UJ	ND	7.4	ND	ND	ND	ND	ND
	Barium	496	5600	37.7	362	83.1	145	136	105	93.7	125	119	293	107
	Beryllium	0.83	0.2	0.32	0.55	0.43	0.43	0.45	0.56	0.56	0.43	0.44	0.45	0.43
	Cadmium	N/A	40	ND	ND	ND	ND	ND	ND	ND	2.1	ND	ND	ND
	Calcium	119000	N/A	13400	48300	28900	45700 J	34800	47900	64400	35700	40900	40500	48600
	Chromium, Total	14.9	400	6.5	9.7	7.9	11.8	7.5	10.6	9.2	11.5	6.7	8.4	8.5
	Cobalt	11.3	N/A	4.1	7.8	5.9	6.2 J	5.4	5.9	6.2	4.3	6.3	6.3	6.2
	Copper	135	N/A	16.0	24.8	34.3	238 J	90.0	165	106	56.2	68.5	37.5	43.4
	Iron	20900	N/A	10200	15600	12700	13300 J	10400	14300	12700	9610	11600	12000	13300
	Lead	22.9	400	7.7	8.0	7.6	7.0	9.2	7.6	9.2	37.6	9.4	9.7	8.0
	Magnesium	8730	N/A	3590	6570	4540	4770	4440	5820	5220	4010	5120	5000	5250
	Manganese	435	400	174	299	267	238	164	248	215	200	264	198	240
	Nickel	54.4	1600	5.9	9.7	12.9	31.1	10.2	9.9	9.6	43.3	7.3	10.6	8.2
	Potassium	2730	N/A	1230	1270	1770	1550 J	1400	1600	2060	1370	1210	1430	1450
	Silver	N/A	400	ND	ND	ND	ND	ND	ND	ND	0.33	ND	ND	ND
	Sodium	519	N/A	93.2	417	129	152 J	161	247	174	141	123	146	201
	Vanadium	49.2	720	21.4	31.1	27.1	26.6 J	24.5	28.1	25.7	20.8	22.8	26.6	27.2
	Zinc	81.6	24000	25.0	40.1	37.2	102	57.8	87.6	57.7	75.7	51.3	40.5	40.7
OTHER	Moisture (%)			6.7	9.2	7.9	7.1	11.0	10.4	10.2	8.0	9.5	10.6	8.0
	pH			8.5	8.4	8.0	8.5	8.4	8.7	8.5	8.3	8.4	8.5	8.7

Ψ Complete table footnotes can be found after the last table in this section.

Table 30-4. Summary of Reportable Concentrations for Soil Analyses at OWS ST-235, Bldg. 1051, Kirtland AFB, New Mexico[Ψ,1]
[Concentrations (mg/kg)]

Chemical Class	Analyte	PQL UTL	HHRB Action Level[2]	Borehole Number and Sample Depth Interval (ft)			
				ST-235-01		*ST-235-02*	
				4–6	9–11	4–6	9–11
VOC	Acetone	0.1	8000	0.0058 U	0.0096 J	ND	0.017
	Bromomethane	0.01	32	0.0037 U	0.0018 J	0.0015 J	0.0016 J
	Methyl Ethyl Ketone	0.1	48000	0.0025 J	0.0037 J	ND	0.0024 J
	Methylene Chloride	0.005	93.3	0.0055 U	0.0074	0.0046	0.0063
	Toluene	0.005	16000	ND	0.0039	0.0013 J	ND
SVOC	di-n-Butylphthalate	0.7	8000	ND	0.380	0.460	0.520
	Phenol	0.3	48000	0.250	0.230	ND	ND
TPH	Diesel Fraction	10	100	0.48	0.44	0.62	0.79
METALS	Aluminum	13300	N/A	13800 J	11900	3480	9850
	Arsenic	N/A	0.4	9.3 U	ND	6.8	ND
	Barium	496	5600	797	142	108	68.9
	Beryllium	0.83	0.2	0.9	0.66	0.22	0.54
	Calcium	119000	N/A	32500 J	34200	27200	20100
	Chromium, Total	14.9	400	12.8	11.6	11.8	9.0
	Cobalt	11.3	N/A	11.0 J	7.8	2.4	5.6
	Copper	135	N/A	24.6 J	39.2	25.1	51.0
	Iron	20900	N/A	19300 J	16200	7700	13700
	Lead	22.9	400	13.0	8.1	5.3	7.6
	Magnesium	8730	N/A	8400	5840	1760	5000
	Manganese	435	400	542	361	135	290
	Molybdenum	N/A	400	ND UJ	ND	2.6	ND
	Nickel	54.4	1600	16.5	12.3	3.9	9.1
	Potassium	2730	N/A	2160	2500	600	2100
	Sodium	519	N/A	463	343	182	269
	Vanadium	49.2	720	42.1	34.0	16.0	28.3
	Zinc	81.6	24000	51.6 J	49.7	22.4	50.4
OTHER	Moisture (%)			11.1	9.1	8.0	7.9
	pH			8.5	8.5	11.8	8.4

Ψ Complete table footnotes can be found after the last table in this section.

Table 30-5. **Summary of Reportable Concentrations for Soil Analyses at OWS ST-236, Bldg. 1051, Kirtland AFB, New Mexico[Ψ,1] [Concentrations (mg/kg)]**

Chemical Class	Analyte	PQL	HHRB Action	Borehole Number and Sample Depth Interval (ft)								
				ST-236-01		*ST-236-02*		*ST-236-03*			*ST-236-04*	
		UTL	Level[2]	1–4	6–10	1–4	6–8	3–6	6–11	6–11 FR	1–4	6–8
VOC	Acetone	0.1	8000	0.0092 J	ND	0.0092	0.015	0.011	0.0088 J	0.013	0.0056 J	0.014
	Bromomethane	0.01	32	0.0016 J	0.0018 J	ND	0.0014 J	ND	ND	ND	0.0041 J	0.0022 J
	Methyl Ethyl Ketone	0.1	48000	ND	ND	ND	ND	ND	ND	ND	0.0016 J	ND
	Methylene Chloride	0.005	93.3	0.0030 J	0.0040	0.0027	0.0043	0.0042	0.0049	0.0039	0.0024 J	0.0028 J
	Toluene	0.005	16000	ND	ND	ND	ND	ND	ND	0.0018 J	ND	0.0014 J
SVOC	di-n-Butylphthalate	0.7	8000	0.280	0.300	0.300	0.310	0.670	0.630	ND	0.400	0.580
	Phenol	0.3	48000	0.340	0.270	0.240	0.210	ND	ND	ND	0.200	ND
TPH	Diesel Fraction	10	100	0.79	0.62	0.95	0.44	1.6	0.48	1.5	0.82	0.75
METALS	Aluminum	13300	N/A	6320	8020	6920	7750	7980	8630	9660	6140	9990
	Barium	496	5600	266	122	199	47.5	95.7	135	93.9	331	157
	Beryllium	0.83	0.2	0.34	0.43	0.46	0.44	0.45	0.45	0.56	0.36	0.56
	Cadmium	N/A	40	0.79	ND	ND	0.66	0.78	ND	0.79	ND	ND
	Calcium	119000	N/A	72000	24800	53500	8790	22600	22400	23000	70200	20400
	Chromium, Total	14.9	400	6.3	12.8	8.8	8.1	9.3	9.2	10.0	7.1	10.4
	Cobalt	11.3	N/A	3.7	4.4	5.7	5.3	6.9	5.6	6.2	4.3	5.2
	Copper	135	N/A	13.9	48.8	30.2	35.1	28.7	27.6	29.3	54.5	26.3
	Iron	20900	N/A	9670	10400	13800	11400	14200	11600	14000	9330	12900
	Lead	22.9	400	5.5	5.2	6.2	6.5	6.1	7.3	4.7	5.8	8.3
	Magnesium	8730	N/A	4690	4020	4700	4180	4190	4500	5060	5090	5210
	Manganese	435	400	142	192	226	221	238	242	286	154	280
	Nickel	54.4	1600	20.3	49.6	5.5	7.5	12.2	9.3	31.3	34.9	9.1
	Potassium	2730	N/A	954	1420	1200	1330	1370	1530	1670	945	1640
	Sodium	519	N/A	130	125	115	104	114	102	100	125	136
	Vanadium	49.2	720	35.4	27.6	36.7	25.8	34.6	27.4	31.2	31.6	29.9
	Zinc	81.6	24000	25.0	44.8	36.3	43.0	36.6	37.5	47.4	40.8	59.1
OTHER	Moisture (%)			11.3	7.6	12.9	8.6	10.3	11.1	11.0	17.8	10.9
	pH			8.2	8.4	8.5	8.2	8.3	8.2	8.3	8.4	8.2

Ψ Complete table footnotes can be found after the last table in this section.

Table 30-6. Summary of Reportable Concentrations for Soil Analyses at Area Drain ST-237, Bldg. 1051, Kirtland AFB, New Mexico[Ψ,1] [Concentrations (mg/kg)]

Chemical Class	Analyte	PQL UTL	HHRB Action Level[2]	Borehole Number and Sample Depth Interval (ft) ST-237-01 5–8	ST-237-01 12–14
VOC	Acetone	0.1	8000	0.0022 J	0.018
	Bromomethane	0.01	32	ND	0.0021 J
	Methyl Ethyl Ketone	0.1	48000	ND	0.0012 J
	Methylene Chloride	0.005	93.3	0.0058	0.0054
SVOC	di-n-Butylphthalate	0.7	8000	0.440	0.400
	Phenol	0.3	48000	0.150	0.150
TPH	Diesel Fraction	10	100	0.52	0.59
METALS	Aluminum	13300	N/A	9100	8840
	Barium	496	5600	222	228
	Beryllium	0.83	0.2	0.55	0.55
	Calcium	119000	N/A	15800	48900
	Chromium, Total	14.9	400	9.4	13.5
	Cobalt	11.3	N/A	5.2	8.0
	Copper	135	N/A	74.0	450
	Iron	20900	N/A	12500	16300
	Lead	22.9	400	8.3	8.2
	Magnesium	8730	N/A	4460	6270
	Manganese	435	400	237	279
	Nickel	54.4	1600	14.8	9.5
	Potassium	2730	N/A	1640	1570
	Sodium	519	N/A	120	130
	Vanadium	49.2	720	25.9	31.5
	Zinc	81.6	24000	51.9	190
OTHER	Moisture (%)			9.5	9.6
	pH			8.6	8.4

Ψ Complete table footnotes can be found after the last table in this section.

1 Complete laboratory analytical results including method detection limits are presented in the ITIR appendices.

2 Action Level Proposed Rule RCRA Subpart S Action Levels (55 FR 30814, 7/27/90).

*; TPH action level is 100 mg/kg adopted from NM UST regulations (USGS 2B Work Plan 3.6, NM El Board, 1990). SW-8015 analyzes volatile and semivolatile petroleum hydrocarbon fractions separately. The total concentration of the two fractions analyzed under 8015 will be used to assess compliance with stipulated action levels for the purpose of this RFI.

PQL; Practical Quantitation Limits (defines VOC, SVOC and TPH).

pCi/g; Picocuries per gram.

VOC; Volatile Organic Compounds.

TPH; Total Petroleum Hydrocarbons.

RAD; Radionuclides.

ND; Not Detected above the method detection limit.

U; Accept data (positive results may be influenced by lab contamination).

RE; Resample.

NA; Not Analyzed

UTL; Upper Tolerance Limits (defines METALS).

HHRB; Human Health Risk Based.

SVOC; Semivolatile Organic Compounds.

FR; Field Replicate.

UJ; Estimated Nondetect.

J; Estimated value.

R; Reject NDs due to interference.

--; No Data.

Metals

Table 30-3 lists all reportable metal concentrations detected at ST-234. Zinc (87.6 mg/kg and 102 mg/kg) was detected in the deep samples from boreholes ST-234-03 and ST-234-02 above the UTL concentration of 81.6 mg/kg, but below the HHRB action level of 24,000 mg/kg. Lead (37.6 mg/kg) was detected above the UTL of 22.9 mg/kg but below the HHRB action level of 400 mg/kg in the 8- to 14-ft replicate sample from borehole ST-234-04. Cadmium (2.1 mg/kg) and silver (0.33 mg/kg) were detected only in the replicate 8- to 14-ft sample from borehole ST-234-04. These concentrations are below the HHRB action levels of 40 and 400 mg/kg, respectively (Table 30-3).

Arsenic concentrations of 7.6 and 7.4 mg/kg were measured in the 13- to 15-ft samples from boreholes ST-234-01 and ST-234-03, respectively. These concentrations are above the HHRB action level of 0.4 mg/kg. Beryllium (0.32 to 0.56 mg/kg) was detected in all samples at concentrations below the UTL of 0.83 mg/kg but above the HHRB action level of 0.2 mg/kg (Table 30-3). These arsenic and beryllium concentrations may be naturally occurring throughout Kirtland AFB, as discussed in Section 4.2.2.

Soil pH and Moisture

Soil pH ranged from 8.0 to 8.7. Soil moisture values ranged from 6.7 to 11.0 percent (Table 30-3).

30.4.2 ST-235 Analytical Results

Organic Compounds

The following VOC analytes were detected in one or more of the soil samples collected at ST-235: acetone, bromomethane, methyl ethyl ketone, methylene chloride, and toluene. Acetone (0.0058 to 0.017 mg/kg) and methyl ethyl ketone (0.0024 to 0.0037 mg/kg) were detected in all but the 4- to 6-ft sample from borehole ST-235-02. Bromomethane (0.0015 to 0.0037 mg/kg) and methylene chloride (0.0046 to 0.0074 mg/kg) were detected in every sample. Toluene (0.0013 and 0.0039 mg/kg) was detected in the 9- to 11-ft sample from borehole ST-235-01 and the 4- to 6-ft sample from ST-235-02. All VOC concentrations are below HHRB action levels. These analytes were found in associated QC samples and are believed to be the result of laboratory contamination as discussed in Section 3.5.1.

Two SVOCs were detected in samples at this site. Phenol (0.23 and 0.25 mg/kg) was detected only in the samples from borehole ST-235-01. Di-n-butylphthalate (0.38 to 0.52 mg/kg) was detected in

three of the four samples at this site. All detected concentrations were below HHRB action levels (Table 30-4).

Petroleum Hydrocarbons

Diesel range hydrocarbons were detected in all soil samples at ST-235. The concentrations ranged from 0.44 to 0.79 mg/kg (Table 30-4). These concentrations do not exceed the NMED action level of 100 mg/kg.

Metals

Table 30-4 lists all reportable metal concentrations detected at ST-235. In general, metal concentrations are relatively higher in borehole ST-235-01 than in borehole ST-235-02 and the background sampling borehole ST-234-01 (Table 30-4). Barium (797 mg/kg) was present above the UTL of 496.4 mg/kg in the 4- to 6-ft sample from borehole ST-235-01. This concentration is below the HHRB action level of 5,600 mg/kg.

Arsenic (6.8 to 9.3 mg/kg) was detected only in the 4- to 6-ft samples from both boreholes at ST-235. These concentrations are above the HHRB action level of 0.4 mg/kg. Manganese (542 mg/kg) was detected above the UTL (435 mg/kg) and HHRB action level (400 mg/kg) only in the 4- to 6-ft sample from borehole ST-235-01. Beryllium was detected in all samples at this site. The concentrations ranged from 0.22 to 0.9 mg/kg. All are above the HHRB action level of 0.2 mg/kg, and the 0.9 mg/kg value exceeds the UTL value of 0.83 mg/kg (Table 30-4). These concentrations of arsenic, manganese, and beryllium appear to be naturally occurring throughout Kirtland AFB as discussed in Section 4.2.2.

Soil pH and Moisture

Soil pH ranged from 8.4 to 11.8. Soil moisture values ranged from 7.9 to 11.1 percent (Table 30-4).

30.4.3 ST-236 Analytical Results

Organic Compounds

The following VOC analytes were detected in one or more of the soil samples collected at ST-236: acetone, bromomethane, methyl ethyl ketone, methylene chloride, and toluene. Acetone (0.0056 to 0.015 mg/kg) and bromomethane (0.0014 to 0.0041 mg/kg) had no orderly distribution to their detections. Methyl ethyl ketone (0.0016) was detected in only the 1- to 4-ft sample of borehole ST-236-04. Methylene chloride (0.0024 to 0.0049 mg/kg) was detected in all samples. Toluene (0.0014 to 0.0018 mg/kg) was detected in the replicate 6- to 11-ft sample from borehole ST-236-03

and the 6- to 8-ft sample from borehole ST-236-04. All of these detections are below the HHRB action levels. These analytes were also found in associated QC samples and are believed to be the result of laboratory contamination as discussed in Section 3.5.1.

Two SVOCs were detected in samples at this site. Phenol (0.2 to 0.34 mg/kg) was detected in all boreholes except ST-236-03. Di-n-butylphthalate (0.28 to 0.67 mg/kg) was detected in all but the replicate 6- to 11-ft sample from borehole ST-236-03. All SVOC concentrations detected are below HHRB action levels (Table 30-5).

Petroleum Hydrocarbons

Diesel range hydrocarbons were detected in all soil samples at ST-236. The concentrations ranged from 0.44 to 1.6 mg/kg (Table 30-5). These concentrations do not exceed the NMED action level of 100 mg/kg.

Metals

All metals, except beryllium, were below their respective UTL concentrations and HHRB action levels (Table 30-5).

Beryllium (0.34 to 0.56 mg/kg) was detected in all samples above the HHRB action level of 0.2 mg/kg, but below the UTL of 0.83 mg/kg (Table 30-5). These concentrations of beryllium appear to be naturally occurring at Kirtland AFB, as discussed in Section 4.2.2.

Soil pH and Moisture

Soil pH values ranged from 8.2 to 8.5. Soil moisture values ranged from 7.6 to 17.8 percent (Table 30-5).

30.4.4 ST-237 Analytical Results

Organic Compounds

The following VOC analytes were detected in one or both of the two soil samples collected at ST-237: acetone, bromomethane, methyl ethyl ketone, and methylene chloride (Table 30-6). Acetone (0.0018 to 0.0022 mg/kg) and methylene chloride (0.0058 to 0.0054 mg/kg) were detected in both samples from borehole ST-237-01. Bromomethane (0.0021 mg/kg) and methyl ethyl ketone (0.0012 mg/kg) were detected only in the 12- to 14-ft sample from borehole ST-237-01. All of these detections are below HHRB action levels. These analytes were found in associated QC samples and are believed to be the result of laboratory contamination as discussed in Section 3.5.1.

Two SVOCs were detected in samples at this site. Phenol was detected in both samples at a concentration of 0.15 mg/kg. Di-n-butylphthalate was detected in both samples at concentrations of 0.40 to 0.44 mg/kg. All detected concentrations were below HHRB action levels (Table 30-6).

Petroleum Hydrocarbons

Diesel range hydrocarbons were detected in both soil samples at ST-237. The concentrations ranged from 0.52 to 0.59 mg/kg (Table 30-6). These concentrations do not exceed the NMED action level of 100 mg/kg.

Metals

Table 30-6 lists all reportable metal concentrations detected at ST-237. Copper (450 mg/kg) was detected above the UTL concentration of 135 mg/kg in the 12- to 14-ft sample from borehole ST-237-01. Copper does not have an HHRB action level. Zinc (190 mg/kg) was also above the UTL concentration of 81.6 mg/kg in this sample but below the HHRB concentration of 24,000 mg/kg.

Beryllium was detected in both soil samples at a concentration of 0.55 mg/kg. This concentration is below the 0.83 mg/kg UTL and above the HHRB action level of 0.2 mg/kg (Table 30-6). These concentrations of beryllium appear to be naturally occurring throughout Kirtland AFB, as discussed in Section 4.2.2.

Soil pH and Moisture

Soil pH ranged from 8.4 to 8.6. Soil moisture values ranged from 9.5 to 9.6 percent (Table 30-6).

30.5 Conclusions and Recommendations

Conclusions

- Several VOCs and two SVOCs were detected in soil samples from these sites. All concentrations are below HHRB action levels.
- Diesel range hydrocarbons were detected in all samples at these sites. The concentrations measured did not exceed the NMED action level of 100 mg/kg.
- Arsenic was detected at concentrations above the 0.4 mg/kg HHRB action level in the 13- to 15-ft samples from boreholes ST-234-01 and ST-234-03, and in the 4- to 6-ft samples from both boreholes at ST-235. These concentrations may be naturally occurring as discussed in Section 4.2.2.

- Beryllium was detected above the HHRB action level of 0.2 mg/kg in all soil samples at these sites, including those from the site background sampling borehole, ST-234-01. These concentrations of beryllium appear to be naturally occurring throughout Kirtland AFB, discussed in Section 4.2.2.

- Manganese was detected at a concentration exceeding the 400 mg/kg HHRB action level only in the 4- to 6-ft sample of borehole ST-235-01. This concentration appears to be naturally occurring, as discussed in Section 4.2.2.

- Several metals (lead, zinc, and copper) were detected at concentrations exceeding their respective UTL concentrations in a few samples. These concentrations were all below the appropriate HHRB action level concentrations.

- In response to USEPA's comments on the Stage 2B Work Plan, OWS ST-236 was removed as an interim corrective measure in October 1994.

- The analytical results are not indicative of releases from these units.

Recommendations

- Based on the findings of the RFI, no further action is necessary; therefore, Sites ST-234, ST-235, ST-236, and ST-237 do not require further investigation. No Further Action proposals should be prepared.

Organic Compounds

VOC analytes detected in one or more of the soil samples collected at ST-228 include acetone, methylene chloride, and toluene. The concentrations for each of these compounds did not exceed HHRB action levels (Table 26-2). These compounds were detected in associated QC samples and are believed to be the result of laboratory contamination, as discussed in Section 3.5.1.

The SVOC analytes di-n-butylphthalate and phenol were detected in one or more of the soil samples collected at ST-228. Three samples contained di-n-butylphthalate and two contained phenol. Di-n-butylphthalate concentrations ranged from 0.32 to 0.5 mg/kg. The phenol concentration of (0.15 mg/kg) was the same for both samples. All concentrations were below HHRB action levels (Table 26-2).

Petroleum Hydrocarbons

Diesel range hydrocarbons were detected only in the shallow (5- to 10-ft) sample and replicate. Concentrations ranged from 0.41 to 0.93 mg/kg, below the NMED action level of 100 mg/kg for petroleum hydrocarbons (Table 26-2). Diesel range hydrocarbon concentrations were similar to those detected in associated QC samples and may not indicate the presence of diesel hydrocarbons in the subsurface soil at ST-228.

Metals

Arsenic and beryllium were the only metals detected in soil samples from ST-228 at concentrations above the HHRB action levels. Arsenic was present in the two normal as well as the one replicate sample at concentrations ranging from 6.7 to 10.6 mg/kg, above the HHRB of 0.4 mg/kg. Beryllium concentrations ranged from 0.31 to 0.45 mg/kg, above the HHRB action level of 0.2 mg/kg. Beryllium concentrations exceeding HHRB action levels appear to be naturally occurring throughout Kirtland AFB as discussed in Section 4.2.2. No other metals were detected at concentrations exceeding HHRB action levels (Table 26-2).

Soil pH and Moisture

Soil pH ranged from 8.3 to 8.8. Soil moisture values ranged from 3.9 to 10.5 percent (Table 26-2).

26.5 Risk Characterization Summary

A baseline human health risk assessment for Site ST-228 was conducted according to the methods outlined in Section 3.6. All calculations to support this risk evaluation are provided in Appendix H.

At ST-228, the only potential constituent of concern found in the soil at a level exceeding the HHRB action level was arsenic. Three soil samples were collected from this site. The data set could not be evaluated because not enough data existed. The maximum arsenic concentration (10.6 mg/kg) was used instead of the UCL because there were only three samples. Arsenic is classified with a "D" weight of evidence. This means that arsenic is classified as a human carcinogen.

The reference dose of 0.0003 mg/kg/day and a cancer slope factor of 1.8 $(mg/kg\text{-}day)^{-1}$ are associated with arsenic. This dose response value was used to calculate the corresponding hazard index and lifetime cancer risk as discussed in Section 3.6. Based on this information, the "worst-case" scenario (future residential land use) was evaluated for incidental soil ingestion from Site ST-228. The hazard quotients generated for the adult and child were 0.05 and 0.5, respectively. The hazard index calculated for arsenic from the incidental ingestion of soil at Site ST-228 (0.6) was less than unity. Therefore, noncarcinogenic health risks are not expected to occur based on this "worst-case" exposure scenario, since the hazard index is below the USEPA acceptable limit.

The cancer risk generated for arsenic from the incidental ingestion of soil at Site ST-228 was 3×10^{-5}. The USEPA has generally defined risks in the range of 10^{-4} to 10^{-6} as being acceptable for most hazardous waste facilities addressed under CERCLA. Therefore, carcinogenic risk is not likely to be associated with these exposures.

26.6 Conclusions and Recommendations

Conclusions

- The VOC concentrations detected for methylene chloride, acetone, and toluene did not exceed HHRB action levels. Concentrations of the two SVOC analytes detected, di-n-butylphthalate and phenol, did not exceed HHRB action levels.

- Petroleum hydrocarbon concentrations did not exceed the NMED action level of 100 mg/kg. No gasoline range hydrocarbons were detected. Diesel range hydrocarbon concentrations are not indicative of a release from this unit.

- Arsenic and beryllium were the only metals detected at concentrations exceeding HHRB action levels. These beryllium concentrations appear to be naturally occurring throughout Kirtland AFB.

- A baseline human health risk assessment was performed at Site ST-228 to determine hypothetical noncarcinogenic health risks from arsenic present in the soil. A future residential land use scenario

("worst-case") was evaluated for the incidental ingestion of soil by child and adult residents. The Hazard Index was determined to be less than 1.0; therefore, noncarcinogenic health risks are not likely to be associated with this exposure scenario. The carcinogenic risk was determined to be 3×10^{-5}, which is within the USEPA acceptable risk range of 10^{-4} to 10^{-6}. Therefore, no carcinogenic risk is likely to be associated with these exposures.

Recommendations

- Based on the findings of the RFI, no further action is necessary; therefore, Site ST-228 does not require further investigation. A No Further Action proposal should be prepared.

27.0 Site ST-229, Sewage Ejector Unit

27.1 Site Background and Environmental Setting

Sewage ejector unit ST-229 is located approximately 35 ft northwest of building 1043 (Figure 27-1). It is made of concrete and has a large circular steel lid. The top of the unit, which is 10 in. above the surrounding asphalt driveway, measures about 8 ft long, 5.3 ft wide, and 11 ft deep. According to Air Force Civil Engineering Division blue prints, ST-229 receives runoff from area drains located inside the perimeter of building 1043 and does not receive sanitary sewage discharge from building 1043. At present, ST-229 serves only as an area drain effluent collection unit and water lift that discharges, through a 2-in. galvanized steel pipe, into a leach pit located 12 ft to the southwest. The potential overflow runoff destination for the unit appears to be the surrounding asphalt-covered open area used for aircraft parking and light maintenance. Building 1043 is part of the New Mexico Air National Guard complex located in the western portion of Kirtland AFB. ST-229 was investigated on May 11 and May 13, 1994, and also on July 5, 1994.

Building 1043 is located in the urban/industrial environmental zone. This environmental setting is discussed in Section 2.0. The nearest production wells to this site are KAFB-7, located 3,350 ft to the south-southeast, KAFB-2, located 3,700 ft to the southwest, and KAFB-1, located 4,800 to the east (Figure 2-11).

27.2 Study Area Investigation

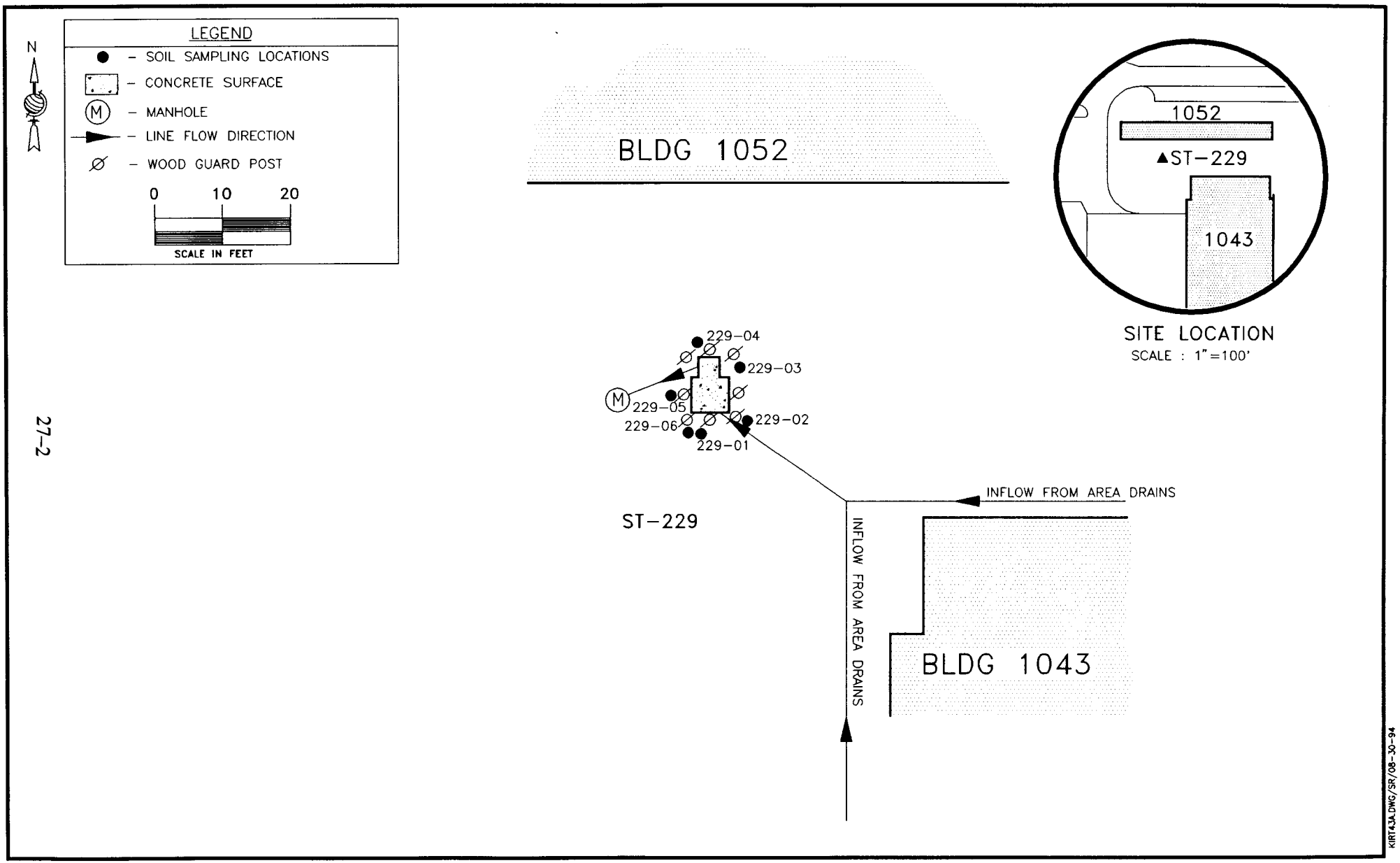
Possible source materials were not investigated in this study.

27.2.1 Previous Investigations

No previous investigations have been performed at this site.

27.2.2 Data Gaps

The main objective of this investigation was to determine the presence of contamination in the subsurface soil adjacent to this site. A secondary objective was to determine the unit outflow and potential overflow runoff destinations.



SOIL SAMPLING LOCATIONS AT OIL/WATER SEPARATOR ST-229, BUILDING 1043

FIGURE 27-1

RCRA FACILITY INVESTIGATION STAGE 2B KIRTLAND AIR FORCE BASE, NEW MEXICO

27.2.3 RFI Field Investigation

Due to the close proximity of Sites ST-229, ST-242, and ST-243, one borehole (ST-243-01) was used for the purpose of collecting background concentration data for these three sites. The borehole was located approximately 30 ft southwest of ST-243 in an area away from any known or suspected contamination. Analytical results for samples collected at ST-243-01 are presented in Section 33.0.

On May 11 and May 13, 1994, five boreholes were drilled and sampled at ST-229 using a Geoprobe system (Figure 27-1). Soil samples were obtained for laboratory analysis at depths 3 and 10 ft below the bottom of the unit (i.e., 14 and 21 ft below grade). On July 5, 1994, a sixth borehole, ST-229-06, was drilled next to borehole ST-229-01 (Figure 27-1) to re-sample this location for SVOC and TPH. The original samples missed holding times. In addition, one deep sample, from 28 to 30 ft below grade, was collected from ST-229-06 and submitted to the laboratory for the full suite of analyses. Boreholes were located near the unit's inflow and outflow piping and/or on each side of the unit.

Sampling operations and sample handling procedures are described in Section 3.0. Borehole locations, sample depths, and replicate samples collected at ST-229 are listed in Table 27-1. Borehole logs are in Appendix C.

Table 27-1. Boreholes and Samples Collected at Sewage Ejector ST-229, Building 1043

Site	Borehole	Borehole Location	Sample Depths (ft)
ST-229	01	Southwest side of unit	14-18[a]
			21-26
	02	Southwest side of unit near inflow piping	14-16
			21-23
	03	Northeast corner of unit	14-16
			21-23
	04	North-northwest side of unit	14-16
			21-23
	05	West side of unit near outflow piping	14-16
			21-23
	06	1 ft west of ST-229-01	14-16[a]
			21-23
			28-30

a. Replicate sample also collected at this depth interval.

27.2.4 Laboratory Analysis

Including replicate samples and re-samples, 15 soil samples were collected for laboratory analysis at ST-229. Samples were analyzed for VOCs, SVOCs, TPH, metals, mercury (the expected

contaminants associated with normal operations at this site), soil pH, and soil moisture. The re-samples at ST-229-06 were only analyzed for SVOC and TPH except the 28- to 30-ft interval sample which was analyzed for the full set of analytical parameters. Soil samples were field screened for possible contamination using gamma and beta-gamma meters, a PID, and an FID. All field screening instrument readings remained at background levels throughout drilling and sampling activities at ST-229.

27.3 Site Characteristics

27.3.1 Geology

The area surrounding ST-229 is underlain by unconsolidated alluvial sediments. The sediments are predominantly fine-grained sands and very fine-grained to fine-grained silty sands. Caliche was present in all boreholes as light- to heavily-stained zones and patches. A maximum depth of 30 ft below grade was attained at borehole ST-229-06. The other five boreholes were 16 to 18 ft deep. No boreholes penetrated into the Santa Fe Group sediments that presumably underlie this area. A discussion of the general geology at Kirtland AFB is presented in Section 2.4.

As a result of the sewage ejector's installation, it is probable that backfill material is present around the unit to a depth equal to the unit's total depth. Borehole logs for this area are presented in Appendix C.

27.3.2 Hydrogeology

Groundwater beneath ST-229 is found within the Upper Santa Fe sediments and is generally thought to be unconfined in the upper portion of the aquifer. This area is within the HR1 saturated zone setting as defined by SNL studies (Figure 2-9) (SNL, 1994). Hydrologic characterization in this portion of Kirtland AFB is complicated by the presence of numerous production wells (Figure 2-11). It is probable that uniform groundwater conditions do not exist in this region. Local cones of depression associated with groundwater withdrawal have altered the groundwater flow direction in the vicinity of the well fields (Figure 2-7).

It is probable that the gradient is northerly in this area. It is believed that production well KAFB-7, located 3,350 ft to the south-southeast, and production well KAFB-2, located 3,700 ft to the southwest, are upgradient of the site; while KAFB-1, located 4,800 ft to the east, is cross gradient from the site (Figures 2-7 and 2-11). Depth to groundwater is estimated to be about 350 ft below grade (Figure 2-10); however, shallower perched water zones may occur. Hydraulic conductivity

within HR1 is estimated at 2 to 171 ft/day (SNL, 1994). A general discussion of the hydrogeology at Kirtland AFB is presented in Section 2.5.

27.4 Nature and Extent of Contamination

The following section describes the nature and extent of contamination based on analytical results from soil samples collected at ST-229. Analytical results are presented in Table 27-2, where only reportable concentrations are listed. Full analytical results are presented in Appendix G. Laboratory validation reports are presented in Appendix K. Soil sample data collected from borehole ST-243-01 were used as background data for ST-229 (Table 33-3, Section 33.0).

Organic Compounds

VOC analytes detected in one or more of the soil samples collected at ST-229 include: acetone, bromomethane, methylene chloride, methyl ethyl ketone, methyl isobutyl ketone, and toluene. The concentrations detected for each of these compounds did not exceed HHRB action levels (Table 27-2). These analytes were also found in associated QC samples and are believed to be the result of laboratory contamination as discussed in Section 3.5.1.

The SVOC analytes di-n-butylphthalate and phenol were detected in one or more of the soil samples collected at ST-229. Di-n-butylphthalate (0.23 to 0.34 mg/kg) was present in three samples and phenol (0.16 to 0.34 mg/kg) was present in six of the soil samples. All concentrations were below HHRB action levels (Table 27-2).

Petroleum Hydrocarbons

Diesel range hydrocarbons were detected in almost all samples, with concentrations ranging from ND to 1.1 mg/kg. These detections did not exceed the NMED action level of 100 mg/kg for petroleum hydrocarbons (Table 27-2).

Metals

Table 27-2 lists all reportable metal concentrations detected at ST-229. Arsenic, beryllium, and manganese were detected above their respective HHRB action levels of 0.4, 0.2, and 400 mg/kg. Arsenic was detected at 7.7 mg/kg in the 14- to 18-ft sample from borehole ST-229-01, and at 6.8 mg/kg in the 28- to 30-ft sample from borehole ST-229-06. Beryllium concentrations ranged from 0.32 to 1.1 mg/kg in samples collected at ST-229. Three detections exceeded the 0.83 mg/kg UTL concentration. Manganese was detected at 458 mg/kg in the 21- to 26-ft sample from borehole ST-229-01 and at 494 mg/kg in the 21- to 23-ft sample from borehole ST-229-02. These

Table 27-2. Summary of Reportable Concentrations for Soil Analyses at Sewage Ejector ST-229, Bldg. 1043, Kirtland AFB, New Mexico[Ψ,1]
[Concentrations (mg/kg)]

Chemical Class	Analyte	PQL / UTL	HHRB Action Level[2]	Borehole Number and Sample Depth Interval (ft)										
				ST-229-01			*ST-229-02*		*ST-229-03*		*ST-229-04*		*ST-229-05*	
				14–18	14–18 FR	21–26	14–16	21–23	14–16	21–23	14–16	21–23	14–16	21–24
VOC	Acetone	0.1	8000	0.0055 J	0.0041 J	0.014	0.014	0.0075 J	0.0071 J	0.011 J	ND	0.011 J	0.0073 J	0.0068 J
	Bromomethane	0.01	32	ND	0.0029 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Ethyl Ketone	0.1	48000	0.0063 J	ND	0.01 J	ND	ND	ND	0.0067 J	0.0031 J	0.0062 J	0.0029 J	ND
	Methyl Isobutyl Ketone	0.05	N/A	ND	0.0033 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methylene Chloride	0.005	93.3	0.0023 J	0.0021 J	0.0035	0.0014 J	0.0026 J	0.0017 J	0.0021 J	0.0014 J	0.0024 J	0.0014 J	ND
	Toluene	0.005	16000	ND	0.0091	0.0037	ND	ND	ND	ND	ND	ND	ND	ND
SVOC	di-n-Butylphthalate	0.7	8000	ND	ND	ND	0.23	0.34	0.28	ND	ND	ND	ND	ND
	Phenol	0.3	48000	ND	ND	0.18	ND	ND	ND	0.16	ND	0.16	ND	0.16
TPH	Diesel Fraction	10	100	0.43	0.58	0.32	0.62	0.62	0.78	0.72	0.86	0.72	1.1	0.95
METALS	Aluminum	13300	N/A	5810	5520	15900	7500	16500	6470	11400	7750	15000	8320	9830
	Arsenic	N/A	0.4	7.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Barium	496	5600	161	96.8	97.1	243	70.9	118	234	147	125	199	125
	Beryllium	0.83	0.2	0.43	0.33	0.95	0.43	1.1	0.32	0.69	0.43	0.92	0.45	0.65
	Calcium	119000	N/A	27100	36300	40100	39700	49700	55400	34900	25900	35500	39100	37700
	Chromium, Total	14.9	14.9	5.3	7.1	16.2	10.3	17.0	9.8	18.5	8.6	16.6	8.9	11.0
	Cobalt	11.3	N/A	6.0	4.3	9.6	7.6	9.2	5.4	7.4	7.1	9.2	7.5	7.4
	Copper	135	N/A	55.7	108	69.2	44.7	31.4	39.6	55.2	30.5	55.2	33.3	30.5
	Iron	20900	N/A	11900	11200	22000	16500	22600	12900	15500	15500	20100	17300	15000
	Lead	22.9	400	5.2	5.2	12.6	6.0	13.8	3.8	8.2	4.7	8.9	6.9	7.9
	Magnesium	8730	N/A	4200	3670	8530	5170	9540	4230	6370	5340	7810	5240	5710
	Manganese	435	400	241	200	458	277	494	219	330	302	367	304	313
	Mercury	N/A	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Molybdenum	N/A	400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Nickel	54.4	1600	5.3	46.9	39.2	7.5	20.5	6.7	83.0	7.5	46.1	8.4	101
	Potassium	2730	N/A	1330	1200	2430	1690	2390	1480	2100	1980	2390	2160	1720
	Selenium	N/A	400	ND	7.7	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Silver	N/A	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Sodium	519	N/A	78.1	84.6	154	84.1	188	74.0	184	99.0	266	106	221
	Thallium	N/A	7.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vanadium	49.2	720	21.7	21.0	35.0	31.3	36.1	24.4	26.6	28.5	33.7	32.7	25.7
	Zinc	81.6	24000	44.0	59.6	74.7	62.0	62.0	40.5	58.1	45.3	62.3	46.5	42.9
OTHER	Moisture (%)			6.0	9.0	15.9	7.6	20.0	7.4	12.5	7.1	13.0	10.5	7.5
	pH			8.6	8.3	8.3	8.4	8.4	8.5	8.5	8.5	8.5	8.4	8.7

Ψ Complete table footnotes can be found after the last table in this section.

Chemical Class	Analyte	PQL UTL	HHRB Action Level[2]	Borehole Number and Sample Depth Interval (ft) ST-229-06 14-16	14-16 FR	21-23	28–30
VOC	Acetone	0.1	8000	--	--	--	0.021
	Bromomethane	0.01	32	--	--	--	ND
	Methyl Ethyl Ketone	0.1	48000	--	--	--	0.0034 J
	Methyl Isobutyl Ketone	0.05	N/A	--	--	--	ND
	Methylene Chloride	0.005	93.3	--	--	--	0.0072
	Toluene	0.005	16000	--	--	--	ND
SVOC	di-n-Butylphthalate	0.7	8000	ND RE	ND RE	ND RE	ND
	Phenol	0.3	48000	0.28 RE	ND RE	ND RE	0.34
TPH	Diesel Fraction	10	100	ND	ND	ND	ND
METALS	Aluminum	13300	N/A	--	--	--	8600
	Arsenic	N/A	0.4	--	--	--	6.8
	Barium	496	5600	--	--	--	104
	Beryllium	0.83	0.2	--	--	--	0.45
	Calcium	119000	N/A	--	--	--	1600
	Chromium, Total	14.9	14.9	--	--	--	8.9
	Cobalt	11.3	N/A	--	--	--	5.1
	Copper	135	N/A	--	--	--	86.3
	Iron	20900	N/A	--	--	--	10200
	Lead	22.9	400	--	--	--	5.3
	Magnesium	8730	N/A	--	--	--	4740
	Manganese	435	400	--	--	--	157
	Mercury	N/A	N/A	--	--	--	0.08
	Molybdenum	N/A	400	--	--	--	2.3
	Nickel	54.4	1600	--	--	--	7.7
	Potassium	2730	N/A	--	--	--	1390
	Selenium	N/A	400	--	--	--	7.9
	Silver	N/A	0.05	--	--	--	0.34
	Sodium	519	N/A	--	--	--	214
	Thallium	N/A	7.2	--	--	--	22.7
	Vanadium	49.2	720	--	--	--	21.1
	Zinc	81.6	24000	--	--	--	56.2
OTHER	Moisture (%)			--	--	--	11.9
	pH			--	--	--	8.3

Ψ Complete table footnotes can be found after the last table in this section.

1 Complete laboratory analytical results including method detection limits are presented in the ITIR appendices.

2 Action Level Proposed Rule RCRA Subpart S Action Levels (55 FR 30814, 7/27/90).

*; TPH action level is 100 mg/kg adopted from NM UST regulations (USGS 2B Work Plan 3.6, NM El Board, 1990). SW-8015 analyzes volatile and semivolatile petroleum hydrocarbon fractions separately. The total concentration of the two fractions analyzed under 8015 will be used to assess compliance with stipulated action levels for the purpose of this RFI.

PQL; Practical Quantitation Limits (defines VOC, SVOC and TPH).

pCi/g; Picocuries per gram.

VOC; Volatile Organic Compounds.

TPH; Total Petroleum Hydrocarbons.

RAD; Radionuclides.

ND; Not Detected above the method detection limit.

U; Accept data (positive results may be influenced by lab contamination).

RE; Resample.

NA; Not Analyzed

UTL; Upper Tolerance Limits (defines METALS).

HHRB; Human Health Risk Based.

SVOC; Semivolatile Organic Compounds.

FR; Field Replicate.

UJ; Estimated Nondetect.

J; Estimated value.

R; Reject NDs due to interference.

--; No Data.

concentrations of arsenic, beryllium, and manganese may be naturally occurring at Kirtland AFB as discussed in Section 4.2.2.

Soil pH and Moisture

Soil pH ranged from 8.3 to 8.7. Soil moisture values ranged from 6.0 to 20.0 percent (Table 27-2).

27.5 Conclusions and Recommendations

Conclusions

- Five VOC and two SVOC analytes were detected at ST-229. All concentrations were below HHRB action levels.
- Diesel range hydrocarbons were detected in almost every sample at ST-229. No concentrations exceeded the NMED action level of 100 mg/kg.
- Arsenic, beryllium, and manganese were each detected above HHRB action levels in one or more soil samples collected at ST-229. These concentrations of arsenic, beryllium, and manganese appear to be naturally occurring throughout Kirtland AFB.
- The analytical results for ST-229 are not indicative of a release from this unit.

Recommendations

- Based on the findings of the RFI, no further action is necessary; therefore, Site ST-229 does not require further investigation. A No Further Action proposal should be prepared.

28.0 Sites ST-230, Oil/Water Separator; ST-231, Holding Tank; and ST-232, Sewage Ejector Unit

28.1 Site Background and Environmental Setting

These sites are outdoors near the northwest corner of building 1046, the New Mexico Air National Guard Weapons shop in the western portion of Kirtland AFB (Figure 28-1). OWS ST-230 is approximately 15 ft north of a garage door on the west side of building 1046. Holding tank ST-231 is located approximately 10 ft to the west of OWS ST-230. Sewage ejector unit ST-232 is located 3.5 ft north of holding tank ST-231.

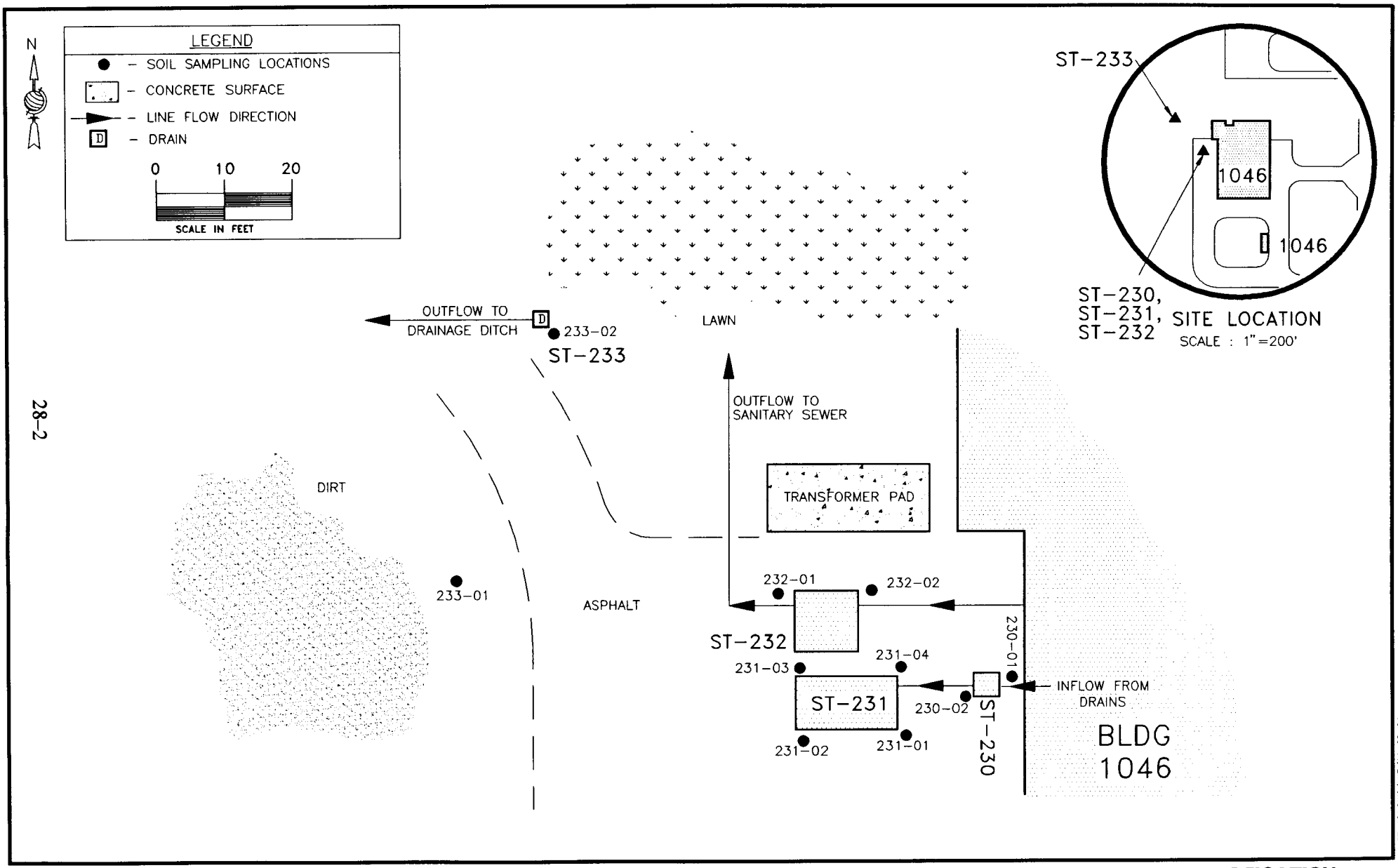
OWS ST-230 was investigated on March 31, 1994. It is a concrete unit about 4 ft square and 5 ft deep. It has a 2-ft diameter fiberglass lid. The OWS receives drainage from floor drains inside of building 1046. Air Force Civil Engineering Division blueprints indicate a discharge line leading from the OWS to holding tank ST-231. Oil phase liquid from the OWS discharges into ST-231. It is unlikely that the OWS could overflow.

Holding tank ST-231 was investigated on March 31 and April 4, 1994. The unit is a 300-gallon metal tank (USGS, 1993). The tank base is 5 ft below grade. The unit receives the oil phase liquid discharged from OWS ST-230.

Sewage ejector unit ST-232 was investigated on April 4, 1994. The unit is inside a concrete vault that measures 8 ft by 8 ft square, and 8 ft deep. According to Air Force Civil Engineering Division blueprints, ST-232 receives sanitary discharge from building 1046 through an inflow line that enters the unit via the east wall. The discharge line exits ST-232 through the west wall, then angles 90 degrees north and joins an east-west oriented sanitary sewer lateral located north of building 1046.

If any of these units were to overflow, runoff would flow west toward an arroyo on the west side of borehole ST-233-01.

Building 1046 is located in the urban/industrial environmental zone. This environmental setting is discussed in Section 2.0. The nearest production wells to building 1046 are KAFB-07, located 2,800 ft to the south-southeast, KAFB-02, located 3,000 ft to the south-southwest, and KAFB-14, located 6,000 ft to the west (Figure 2-11).



SOIL SAMPLING LOCATIONS AT OIL/WATER SEPARATOR ST-230, HOLDING TANK ST-231, SEWAGE EJECTOR UNIT ST-232, AND AREA DRAIN ST-233, BUILDING 1046

FIGURE 28-1

RCRA FACILITY INVESTIGATION
STAGE 2B
KIRTLAND AIR FORCE BASE, NEW MEXICO

31.0 Sites ST-238, ST-239, Oil/Water Separators; Site ST-240 Holding Tank

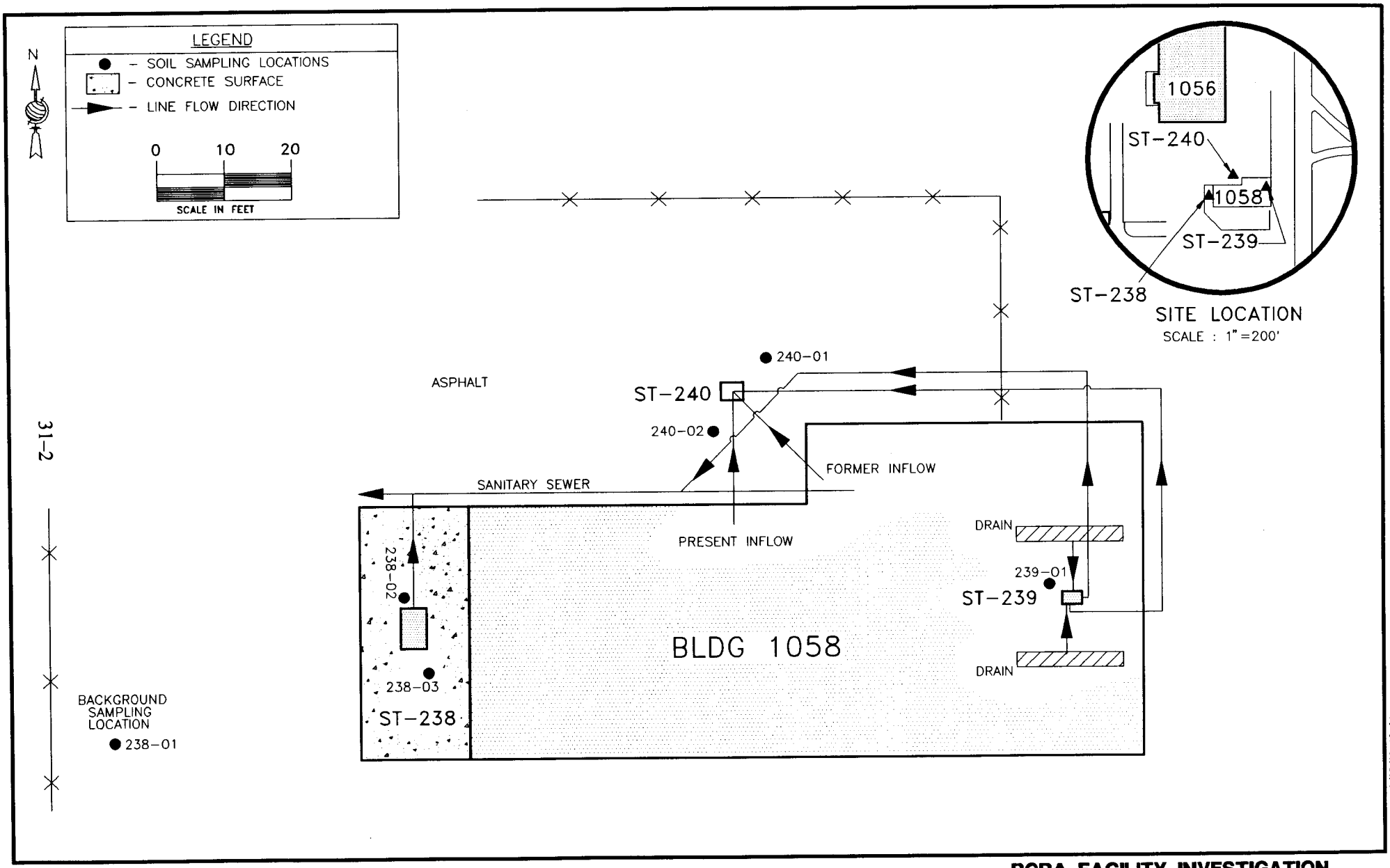
31.1 Site Background and Environmental Setting

These sites are located in the western portion of Kirtland AFB, at the New Mexico Air National Guard Vehicle Maintenance Shop, building 1058 (Figure 31-1). OWS ST-238 is outside near the west wall of the building. OWS ST-239 is located inside the east bay of the building. Holding tank ST-240 is located outside on the north-central side of building 1058.

OWS ST-238 was investigated on May 27, 1994. It is made of concrete and is 4.1 ft wide, 5.6 ft long, and 3.0 ft deep. The southern half of OWS ST-238 is covered by a metal grate, and the northern compartment of the unit is covered by a solid metal lid. The OWS receives drainage from wash rack use. Because it is located on a raised concrete pad, the OWS receives very little surface runoff other than what is generated through wash rack usage. OWS ST-238 discharges north to a sanitary sewer lateral that runs east-west along the north side of building 1058 (Figure 31-1). Potential overflow runoff from this site would spread out over the asphalt-paved driveway and parking lot surrounding ST-238.

OWS ST-239 was investigated on May 20, 1994. It is made of metal and is 1.3 ft wide, 1.9 ft long, and 2.0 ft deep. This OWS is in the east service bay and receives drainage from two floor drains located to the north and south of the unit. According to Air Force Civil Engineering Division blueprints, oil-phase liquid is discharged through a buried pipe that exits the OWS east, then angles north to the northeast corner of the building where it then angles 90 degrees west and extends to holding tank ST-240. Water-phase liquid is discharged through a separate buried line that extends north from the OWS until it ties into the east-west oriented sanitary sewer lateral that runs along the north side of the building (Figure 31-1). Potential overflow runoff from this site would spread out over the east bay floor and outside to the asphalt paved parking area.

Holding tank ST-240 was investigated on May 24 and May 27, 1994. The holding tank is made of metal and measures 1.2 ft wide by 1.2 ft long, with a depth of 8.0 ft. The holding tank receives oil-phase liquid from OWS ST-239 and possibly one other source from inside building 1058 (USGS, 1993a). It is a closed unit and therefore has no discharge lines. Potential overflow runoff from this unit would probably disperse around the immediate asphalt-paved driveway and parking area.



SOIL SAMPLING LOCATIONS AT OIL/WATER SEPARATORS ST-238 & ST-239, AND HOLDING TANK ST-240, BUILDING 1058

FIGURE 31-1

RCRA FACILITY INVESTIGATION
STAGE 2B
KIRTLAND AIR FORCE BASE, NEW MEXICO

Building 1040 is located in the urban/industrial environmental zone. This environmental setting is discussed in Section 2.0. The nearest production wells to this site are KAFB-7 located 2,400 ft to the south-southeast, KAFB-2, located 4,000 ft to the southwest, KAFB-1, located 4,200 ft to the east, and KAFB-3, located 6,600 ft to the north-northeast (Figure 2-11).

31.2 Study Area Investigation

Possible source materials were not investigated in this study. Previous investigations sampled source materials as described below.

31.2.1 Previous Investigations

In 1990, 1991, and 1992, a Kirtland AFB environmental contractor sampled the contents of OWS ST-238, OWS ST-239, and holding tank ST-240 for laboratory analysis. Sample results detected above RCRA toxicity limits are presented in Table 31-1. A complete laboratory report of these analyses is contained in Appendix B of the Stage 2B Work Plan (USGS, 1993a).

Table 31-1. Reportable Analytes in Building 1058, ST-238, ST-239, and ST-240

Sample	ST-238			ST-239			ST-240		
Analysis (mg/kg)	1990	1991	1992	1990	1991	1992	1990	1991	1992
TPH	8,270	ND	710	913	1,100	8,300	1,690	388,000	2,200
TOX	ND	ND	168	ND	158	1,044	ND	950	640
Lead	ND	ND	10.2	ND	ND	ND	ND	ND	7.7
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND	52	ND
Tetrachloroethylene	ND	ND	ND	ND	ND	ND	ND	69	ND
Toluene	ND	ND	ND	ND	ND	ND	ND	0.016	ND

ND = Not Detected

31.2.2 Data Gaps

The main objective of this investigation was to determine if contamination is present in the subsurface soil adjacent to each site. A secondary objective was to determine unit outflows and potential overflow runoff destinations.

31.2.3 RFI Field Investigation

Six boreholes were drilled and sampled using a Geoprobe system on May 20, May 24, and May 27, 1994. One borehole (ST-238-01) was located west of building 1058 in an area away from any

known or suspected contamination for the purpose of collecting background concentration data for these sites (Figure 31-1). Sample depths at borehole ST-238-01 were equal to the deepest sample interval depths to be collected at the building 1058 sites (i.e., 11 and 18 ft below grade). Boreholes drilled at the OWSs were located as close as possible to inflow and outflow points. Samples collected for laboratory analysis at ST-238 and ST-239 were obtained at depths equal to the base of the OWS and at 5 ft below the base (i.e., 3 and 8 ft below grade at ST-238, 2 and 7 ft below grade at ST-239). Boreholes drilled at holding tank ST-240 were located at least 3.0 ft away from the northeast and southwest corners of the tank walls. The samples obtained at ST-240 were collected at depths equal to 3 and 10 ft below the unit's depth (i.e., 11 ft and 18 ft below grade).

Sampling operations and sample handling procedures are described in Section 3.0. Borehole locations, sample depths, and replicate samples collected for the sites at building 1058 are listed in Table 31-2. Borehole logs are in Appendix C.

Table 31-2. Boreholes and Samples Collected at ST-238, ST-239, and ST-240, Building 1058

Site	Borehole	Borehole Location	Sample Depths (ft)
ST-238	01	Background sampling borehole	11-13
			18-20
	02	Near OWS outflow	3-7[a]
			8-12
	03	Southeast corner of OWS	3-5
			8-10
ST-239	01	Near OWS inflow	2-4
			7-9
			17-21[a]
ST-240	01	Northeast corner of holding tank	11-13
			18-20
	02	Southwest corner of holding tank	11-13
			18-20

a. Replicate sample also collected at this depth interval.

31.2.4 Laboratory Analysis

Including replicate samples, 15 soil samples were collected at these sites. Samples were analyzed for VOCs, SVOCs, TPH, metals, mercury (the expected contaminants associated with normal operations at this building), soil pH, and soil moisture. Soil samples were field screened for possible

contamination using gamma and beta-gamma meters, a PID, and an FID. A PID reading of 4.0 ppm_v above background was detected in the 7- to 9-ft sample from borehole ST 239-01. Therefore, an additional deeper sample and replicate were collected at 17 to 21 ft below grade. Because field screening readings had returned to background levels at this interval, sampling stopped.

31.3 Site Characteristics

31.3.1 Geology

The building 1058 area is underlain by unconsolidated alluvial sediments. The sediments are predominantly fine-grained sands and very fine-grained to fine-grained silty sands. Caliche was present in all boreholes as light- to heavily-stained zones and patches. Six boreholes were drilled at building 1058. A maximum depth of 21 ft below grade was attained at borehole ST-239-01. No borehole penetrated into the Santa Fe Group sediments that presumably underlie this area. A discussion of the general geology at Kirtland AFB is presented in Section 2.4.

As a result of OWS and holding tank installation, it is probable that backfill material is present adjacent to each unit to a depth equal to each unit's total depth. Borehole logs for these sites are presented in Appendix C.

31.3.2 Hydrogeology

Groundwater beneath building 1058 is found within the Upper Santa Fe sediments and is generally thought to be unconfined in the upper portion of the aquifer. This area is within the HR1 saturated zone setting as defined by SNL studies (Figure 2-9) (SNL, 1994). Hydrologic characterization in this portion of Kirtland AFB is complicated by the presence of numerous production wells (Figure 2-11). It is probable that uniform groundwater conditions do not exist in this region. Local cones of depression associated with groundwater withdrawal have altered the groundwater flow direction in the vicinity of the well fields (Figure 2-7).

It is probable that the gradient is northerly in this area. It is believed that production well KAFB-1, located 4200 ft to the east, is cross gradient from these sites. Production well KAFB-7, located 2,400 ft to the south-southeast, and production well KAFB-2, located 4,000 ft to the southwest, are probably upgradient from the sites (Figures 2-7 and 2-11). Production well KAFB-3, located 6,600 ft to the north-northeast, is possibly downgradient from building 1058. Depth to groundwater is estimated to be approximately 350 ft below grade; however, shallower perched water zones may occur (Figure 2-10). Hydraulic conductivity in the vicinity of HRI is estimated at 2 to 171 ft/day

(SNL, 1994). A more detailed discussion of the hydrogeology at Kirtland AFB is presented in Section 2.5.

31.4 Nature and Extent of Contamination

The following sections describe the nature and extent of contamination based on the analytical results. Analytical results for ST-238, ST-239, and ST-240 are presented in Tables 31-3, 31-4, and 31-5, respectively, where only the reportable concentrations are listed. Full analytical results are presented in Appendix G. Laboratory validation reports are presented in Appendix K.

31.4.1 ST-238 Analytical Results

Organic Compounds

VOC analytes detected in one or more of the soil samples collected at ST-238 include: acetone, 2-hexanone, methylene chloride, methyl ethyl ketone, and toluene. The concentrations detected for these compounds did not exceed HHRB action levels (Table 31-3). These analytes were also detected in associated QC samples and are believed to be the result of laboratory contamination as discussed in Section 3.5.1.

The SVOC analytes di-n-butylphthalate and phenol were detected in one or more of the soil samples collected at ST-238. Di-n-butylphthalate (0.24 mg/kg) was detected in only one sample. Phenol was present in two samples at 0.17 and 0.2 mg/kg. These concentrations are below the HHRB action levels (Table 31-3).

Petroleum Hydrocarbons

Diesel and gasoline range hydrocarbons were detected in one or more soil samples collected at ST-238. Gasoline range hydrocarbons were detected in three of the seven samples at concentrations ranging from 0.34 to 2.0 mg/kg. Diesel range hydrocarbons were present in all samples with concentrations ranging from 0.63 to 16.0 mg/kg. These concentrations did not exceed the NMED action level of 100 mg/kg for petroleum hydrocarbons (Table 31-3).

Metals

Beryllium was present in all samples at concentrations ranging from 0.21 to 0.44 mg/kg. These concentrations exceeded the HHRB action level of 0.2 mg/kg, but did not exceed the UTL of 0.83 mg/kg. These beryllium concentrations may be naturally occurring at Kirtland AFB as discussed in Section 4.2.2. No other metals were detected above HHRB action levels at this site (Table 31-3).

Table 31-3. Summary of Reportable Concentrations for Soil Analyses at OWS ST-238, Bldg. 1058, Kirtland AFB, New Mexico[Ψ,1] [Concentrations (mg/kg)]

Chemical Class	Analyte	PQL	HHRB Action	Borehole Number and Sample Depth Interval (ft)						
				ST-238-01		*ST-238-02*			*ST-238-03*	
		UTL	Level[2]	11–13	18–20	3–7	3–7 FR	8–12	3–5	8–10
VOC	Acetone	0.1	8000	0.0094 J	0.0049 J	0.0077 J	ND	0.011	0.0080 J	0.0044 J
	2-Hexanone	0.05	N/A	ND	ND	ND	ND	ND	ND	0.0013 J
	Methyl Ethyl Ketone	0.1	48000	0.0030 J	ND	ND	ND	0.0028 J	ND	ND
	Methylene Chloride	0.005	93.3	0.0068	0.0036	0.0035	0.0033	0.0045	ND	0.0033
	Toluene	0.005	16000	0.0031 J	ND	ND	ND	ND	ND	ND
SVOC	di-n-Butylphthalate	0.7	8000	ND	ND	ND	ND	0.240	ND	ND
	Phenol	0.3	48000	ND	ND	ND	ND	0.200	ND	0.170
TPH	Diesel Fraction	10	100	0.63	0.64	2	14	1.2	13	16
	Gasoline Fraction	1	100	ND	ND	0.44	ND	2	ND	0.34
METALS	Aluminum	13300	N/A	6430	6250	4040	4110	5040	3750	3630
	Barium	496	5600	152	73.4	132	189	60.6	123	142
	Beryllium	0.83	0.2	0.44	0.43	0.33	0.32	0.31	0.21	0.22
	Calcium	119000	N/A	29100	8010	79300	60600	13200	31300	40000
	Chromium, Total	14.9	400	6.4	8.0	5.4	9.2	9.3	6.4	8.2
	Cobalt	11.3	N/A	8.2	4.5	2.6	2.9	7.1	2.7	3.4
	Copper	135	N/A	37.6	12.6	17.9	28.7	27.2	28.0	17.0
	Iron	20900	N/A	12500	10300	6230	6840	14600	7370	7250
	Lead	22.9	400	9.4	7.7	5.1	4.1	4.6	7.9	3.9
	Magnesium	8730	N/A	4800	3310	3070	3220	4150	2510	3080
	Manganese	435	400	309	167	72.1	95.0	220	100	110
	Nickel	54.4	1600	7.7	5.3	ND	47.5	6.0	ND	5.4
	Potassium	2730	N/A	1680	1290	566	567	1060	662	586
	Sodium	519	N/A	146	390	81.2	161	96.8	111	94.5
	Vanadium	49.2	720	26.2	19.5	19.3	20.7	30.1	18.5	20.4
	Zinc	81.6	24000	42.8	25.6	17.8	23.2	35.1	23.8	18.8
OTHER	Moisture (%)			8.7	6.1	9.0	6.6	3.8	5.0	8.0
	pH			8.6	9.3	8.3	11.5	8.3	8.0	8.0

Ψ Complete table footnotes can be found after the last table in this section.

Table 31-4. Summary of Reportable Concentrations for Soil Analyses at OWS ST-239, Bldg. 1058, Kirtland AFB, New Mexico[Ψ,1] [Concentrations (mg/kg)]

Chemical Class	Analyte	PQL UTL	HHRB Action Level[2]	Borehole Number and Sample Depth Interval (ft) ST-239-01 2–4	7–9	17–21	17–21 FR
VOC	Acetone	0.1	8000	0.0037 J	ND	ND UJ	ND
	Methylene Chloride	0.005	93.3	0.0059	0.0030 J	0.0035 U	0.0036
SVOC	di-n-Butylphthalate	0.7	8000	0.24	ND	ND	0.26
TPH	Diesel Fraction	10	100	0.75	0.58	0.72	1.1
METALS	Aluminum	13300	N/A	3670	3530	9920 J	8590
	Arsenic	N/A	0.4	7.1	ND	9.1 U	10.8
	Barium	496	5600	221	90.9	93.5 J	55.6
	Beryllium	0.83	0.2	0.22	0.20	0.54	0.42
	Calcium	119000	N/A	146000	23000	31300 J	14700
	Chromium, Total	14.9	400	2.6	2.3	10.2	8.1
	Cobalt	11.3	N/A	1.7	4.0	7.8 J	5.8
	Copper	135	N/A	15.5	31.8	33.8 J	39.4
	Iron	20900	N/A	3590	8310	15200 J	13100
	Lead	22.9	400	3.6	ND	7.5	5.0
	Magnesium	8730	N/A	5230	2850	5430	4080
	Manganese	435	400	45.6	146	321	229
	Nickel	54.4	1600	ND	4.0	14.4	6.8
	Potassium	2730	N/A	369	774	2170	1800
	Sodium	519	N/A	113	160	472 J	368
	Vanadium	49.2	720	14.0	17.3	29.6	24.9
	Zinc	81.6	24000	14.5	26.6	44.5 J	39.2
OTHER	Moisture (%)			11.0	12.3	16.7	5.8
	pH			8.3	8.7	9.0	9.0

Ψ Complete table footnotes can be found after the last table in this section.

Table 31-5. Summary of Reportable Concentrations for Soil Analyses at Holding Tank ST-240, Bldg. 1058, Kirtland AFB, New Mexico[Ψ,1] [Concentrations (mg/kg)]

Chemical Class	Analyte	PQL UTL	HHRB Action Level[2]	Borehole Number and Sample Depth Interval (ft)			
				ST-240-01		*ST-240-02*	
				11–13	18–20	11–13	18–20
VOC	Acetone	0.1	8000	0.0063 J	ND	0.0062 J	0.0072 J
	Methyl Ethyl Ketone	0.7	48000	ND	ND	0.0011 J	ND
	Methylene Chloride	0.7	93.3	0.0053	0.0066 J	0.0043	0.0046
SVOC	di-n-Butylphthalate	0.7	8000	ND	0.28	ND	ND
	Phenol	0.7	48000	ND	ND	0.17	ND
TPH	Diesel Fraction	10	100	0.32	ND	0.43	0.43
	Gasoline Fraction	1	100	ND	ND	ND	0.34
METALS	Aluminum	13300	N/A	3960	7140	7160	6790
	Barium	496	5600	45.9	124	83.5	67.8
	Beryllium	0.83	0.2	0.21	0.44	0.43	0.43
	Calcium	119000	N/A	12100	35100	57700	18800
	Chromium, Total	14.9	400	4.1	8.0	11.0	11.9
	Cobalt	11.3	N/A	3.4	5.5	5.3	5.9
	Copper	135	N/A	30.0	46.6	22.8	21.7
	Iron	20900	N/A	7430	12500	13400	12800
	Lead	22.9	400	5.1	7.8	6.7	8.0
	Magnesium	8730	N/A	2410	4550	4490	4180
	Manganese	435	400	132	227	230	250
	Nickel	54.4	1600	3.6	6.7	7.8	11.3
	Potassium	2730	N/A	907	1410	1580	1480
	Sodium	519	N/A	259	377	220	372
	Vanadium	49.2	720	13.1	23.0	30.3	23.3
	Zinc	81.6	24000	25.4	42.8	34.4	34.1
OTHER	Moisture (%)			4.8	8.4	7.5	7.4
	pH			9.3	9.3	8.5	9.1

Ψ Complete table footnotes can be found after the last table in this section.

1 Complete laboratory analytical results including method detection limits are presented in the ITIR appendices.

2 Action Level Proposed Rule RCRA Subpart S Action Levels (55 FR 30814, 7/27/90).

*; TPH action level is 100 mg/kg adopted from NM UST regulations (USGS 2B Work Plan 3.6, NM EI Board, 1990). SW-8015 analyzes volatile and semivolatile petroleum hydrocarbon fractions separately. The total concentration of the two fractions analyzed under 8015 will be used to assess compliance with stipulated action levels for the purpose of this RFI.

PQL; Practical Quantitation Limits (defines VOC, SVOC and TPH).

pCi/g; Picocuries per gram.

VOC; Volatile Organic Compounds.

TPH; Total Petroleum Hydrocarbons.

RAD; Radionuclides.

ND; Not Detected above the method detection limit.

U; Accept data (positive results may be influenced by lab contamination).

RE; Resample.

NA; Not Analyzed

UTL; Upper Tolerance Limits (defines METALS)

HHRB; Human Health Risk Based.

SVOC; Semivolatile Organic Compounds.

FR; Field Replicate.

UJ; Estimated Nondetect.

J; Estimated value.

R; Reject NDs due to interference.

--; No Data.

Soil pH and Moisture

Soil pH ranged from 8.0 to 11.5. Soil moisture values ranged from 3.8 to 9.0 percent (Table 31-3).

31.4.2 ST-239 Analytical Results

Organic Compounds

Acetone and methylene chloride were the only VOC analytes detected in one or more of the soil samples collected at ST-239. The concentrations detected for each of these compounds did not exceed HHRB action levels (Table 31-4). These analytes were found in associated QC samples and are believed to be the result of laboratory contamination as discussed in Section 3.5.1.

The only SVOC analyte detected in soil samples collected at ST-239 was di-n-butylphthalate. It was present in two samples at 0.24 and 0.26 mg/kg. These concentrations are below the HHRB action level of 8000 mg/kg (Table 31-4).

Petroleum Hydrocarbons

Diesel range hydrocarbons were detected in all soil samples collected at ST-239. Concentrations ranged from 0.58 to 1.1 mg/kg. These concentrations did not exceed the NMED action level of 100 mg/kg for petroleum hydrocarbons (Table 31-4).

Metals

Arsenic was detected in two samples from borehole ST-239-01 at 7.1 and 10.8 mg/kg. These concentrations exceeded the HHRB action level of 0.4 mg/kg. Beryllium was present in all samples at concentrations ranging from 0.2 to 0.54 mg/kg. These concentrations met or exceeded the 0.2 mg/kg HHRB action level but are below the 0.83 mg/kg UTL concentration. These arsenic and beryllium concentrations may be naturally occurring at Kirtland AFB as discussed in Section 4.2.2. No other metals were detected at concentrations above HHRB action levels (Table 31-4).

Soil pH and Moisture

Soil pH ranged from 8.3 to 9.0. Soil moisture values ranged from 5.8 to 16.7 percent (Table 31-4).

31.4.3 ST-240 Analytical Results

Organic Compounds

VOC analytes detected in one or more of the soil samples collected at ST-240 include acetone, methylene chloride, and methyl ethyl ketone. The concentrations detected did not exceed HHRB

action levels (Table 31-5). These analytes were found in associated QC samples and are believed to be the result of laboratory contamination as discussed in Section 3.5.1.

The only SVOC analytes detected in soil samples collected at ST-240 were di-n-butylphthalate (0.28 mg/kg) and phenol (0.17 mg/kg). Di-n-butylphthalate was only detected in the 18- to 20-ft sample from borehole ST-240-01. Phenol was only detected in the 11- to 13-ft sample from borehole ST-240-02. These concentrations did not exceed HHRB action levels (Table 31-5).

Petroleum Hydrocarbons

Diesel range and gasoline range hydrocarbons were detected in one or more soil samples collected at ST-240. Gasoline range hydrocarbons (0.34 mg/kg) were only detected in the 18- to 20-ft sample from borehole ST-240-02. Diesel range concentrations ranged from 0.32 to 0.43 mg/kg. These concentrations did not exceed the NMED action level of 100 mg/kg for petroleum hydrocarbons (Table 31-5).

Metals

Beryllium was detected in all samples at concentrations ranging from 0.21 to 0.44 mg/kg. These concentrations exceeded the HHRB action level of 0.2 mg/kg but were below the UTL of 0.83 mg/kg. These beryllium concentrations may be naturally occurring at Kirtland AFB as discussed in Section 4.2.2. No other metals were detected above HHRB action levels (Table 31-5).

Soil pH and Moisture

Soil pH ranged from 8.5 to 9.3. Soil moisture values ranged from 4.8 to 8.4 percent (Table 31-5).

31.5 Conclusions and Recommendations

Conclusions

- The concentrations of VOC analytes detected at these sites did not exceed HHRB action levels. Concentrations of the two SVOC analytes detected (di-n-butylphthalate and phenol) did not exceed HHRB action levels.

- Petroleum hydrocarbons were present in most samples at these sites. The concentrations detected did not exceed the NMED action level of 100 mg/kg.

- Beryllium was present in all samples at concentrations equaling or exceeding the 0.2 mg/kg HHRB action level, but below the 0.83 mg/kg UTL. Arsenic was detected in two samples at ST-239 at concentrations exceeding the 0.39 mg/kg HHRB action level. These

concentrations of beryllium and arsenic may be naturally occurring throughout Kirtland AFB.

- The analytical results are not indicative of releases from these units.

Recommendations

- Based on the findings of the RFI, no further action is necessary; therefore, Sites ST-238, ST-239, and ST-240 do not require further investigation. No Further Action proposals should be prepared.

32.0 Site ST-241, Oil/Water Separator

32.1 Site Background and Environmental Setting

OWS ST-241 is outdoors on the south side of building 1061, the New Mexico Air National Guard Propulsion Branch (Figure 32-1). It is made of metal and measures 4 ft long, 3.3 ft wide, and 3.3 ft deep. It receives inflow from the floor drains in building 1061. The discharge piping runs west and then turns north to join the sanitary sewer system (Figure 32-1). ST-241 was investigated on May 20, 1994. The probability that the OWS would overflow onto the surrounding area is low. If this unit were to overflow, runoff could infiltrate the surrounding soil and possibly flow south over an asphalt parking lot.

Building 1061 is located in the urban/industrial environmental zone. This environmental setting is discussed in Section 2.0. Four production wells are located in this area of Kirtland AFB. Well KAFB-1 is 4,400 feet east, KAFB-7 is 2,800 ft south-southeast, KAFB-2 is 3,900 ft southwest, and KAFB-14 is 6,900 ft west (Figure 2-11).

32.2 Study Area Investigation

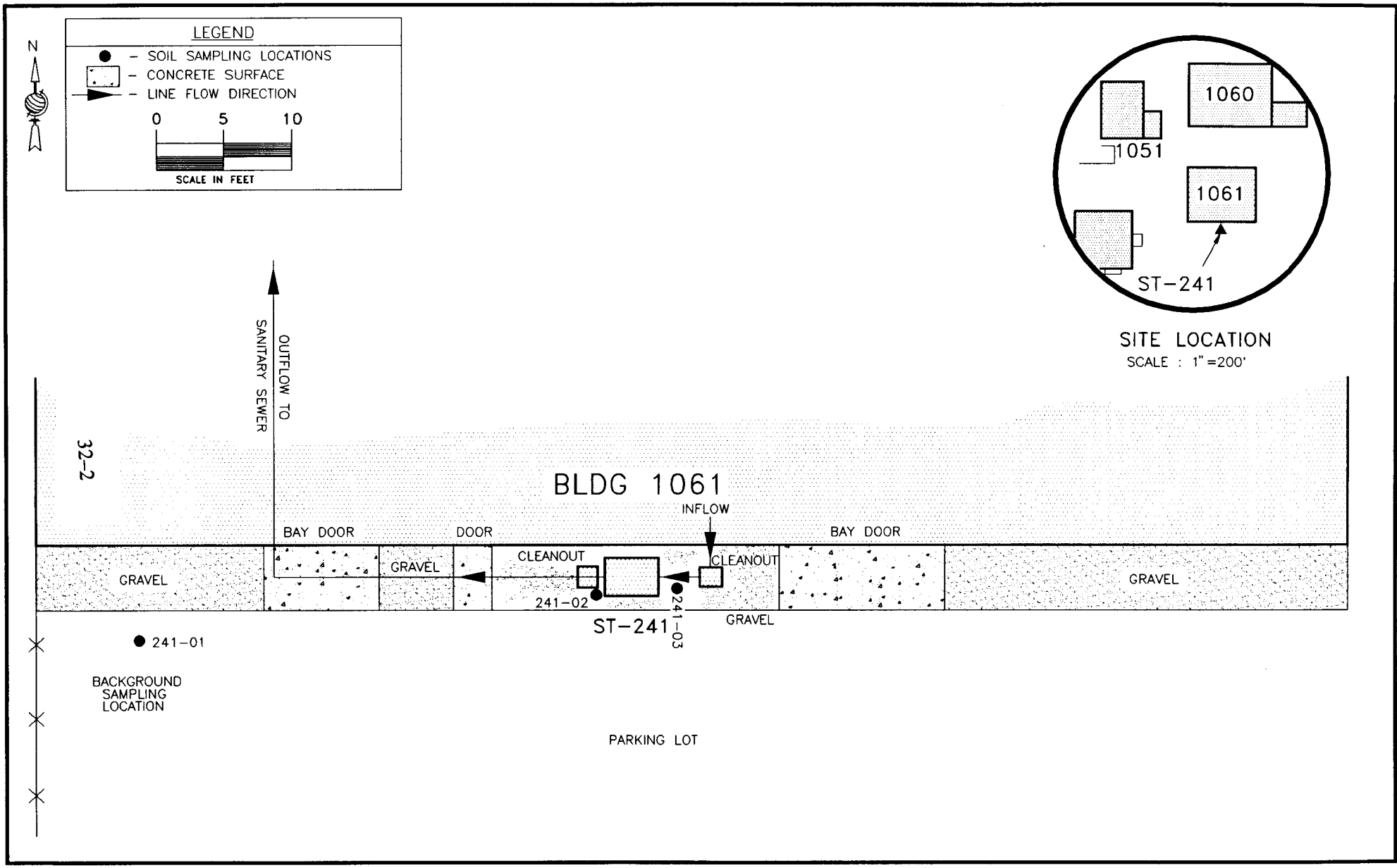
Possible source materials were not investigated in this study. Previous investigations sampled source materials as described below.

32.2.1 Previous Investigations

In 1990, 1991, and 1992, a Kirtland AFB environmental contractor sampled materials present in OWS ST-241. Concentrations of 655 mg/kg for TPH and 112 mg/kg for TOX were reported for the 1992 sampling. Lead (8.6 mg/kg) was greater than the RCRA toxicity limit of 5 mg/kg in the 1992 sample. Full results for these samplings are presented in Appendix B of the USGS Stage 2B Work Plan (USGS, 1993a).

32.2.2 Data Gaps

The main objective of this investigation was to determine if contamination is present in the subsurface soil adjacent to OWS ST-241. Another objective was to determine the unit's outflow and potential outflow runoff destinations.



SOIL SAMPLING LOCATIONS AT OIL/WATER SEPARATOR ST-241, BUILDING 1061

FIGURE 32-1

RCRA FACILITY INVESTIGATION STAGE 2B KIRTLAND AIR FORCE BASE, NEW MEXICO

32.2.3 RFI Field Investigation

On May 20, 1994, three boreholes were drilled and sampled using a Geoprobe system. One borehole was drilled west of the site in the parking lot to collect background concentration data. This location was assumed to be in an area away from any known or suspected contamination. The other boreholes were drilled as close as possible to the OWS inflow and outflow piping. Two sample intervals were collected in each borehole; one at a depth equal to, and the other 5 ft below the OWS base (i.e., 3 and 8 ft).

Sampling operations and sampling handling procedures are described in Section 3.0. Borehole locations and sample depths collected at OWS ST-241 are shown in Table 32-1. Borehole logs are in Appendix C.

Table 32-1. Boreholes and Samples Collected at OWS ST-241, Building 1061

Site	Borehole	Borehole Location	Sample Depths (ft)
ST-241	01	Background sampling borehole	3-5 8-10
	02	Near OWS outflow	3-5 8-10
	03	Near OWS inflow	3-5 8-10

32.2.4 Laboratory Analysis

Six soil samples were collected at this site. These samples were analyzed for VOCs, SVOCs, TPH, metals, mercury (the expected contaminants associated with normal operations at this facility), soil pH, and soil moisture. The four brass tubes in each 2-ft sample interval were field screened for possible contamination using gamma and beta-gamma meters, a PID, and an FID. No readings above background values were measured with these instruments.

32.3 Site Characteristics

32.3.1 Geology

The building 1061 area is underlain by unconsolidated alluvial sediments. The sediments are predominantly silty sand to very fine-grained to fine-grained sands and gravelly sands. Caliche was present in the background borehole and ST-241-01 as light to heavily-stained zones and patches. Three 10-ft-deep boreholes were drilled at ST-241. No boreholes penetrated into the Santa Fe Group sediments that presumably underlie this area. A discussion of the general geology at Kirtland AFB is presented in Section 2.4.

As a result of installation, it is probable that backfill material is present adjacent to this unit to a depth equal to the unit's total depth. Borehole logs for this area are presented in Appendix C.

32.3.2 Hydrogeology

Groundwater beneath ST-241 is found within the Upper Santa Fe sediments and is generally thought to be unconfined in the upper portion of the aquifer. This area is within the HR1 saturated zone setting as defined by SNL (Figure 2-9) (SNL, 1994). Hydrologic characterization in this portion of Kirtland AFB is complicated by the presence of numerous production wells (Figure 2-11). It is probable that uniform groundwater conditions do not exist in this region. Local cones of depression associated with groundwater withdrawal have altered the groundwater flow direction in the vicinity of the well fields (Figure 2-7).

It is probable that the gradient is northerly in this area. Four production wells are located in this area of Kirtland AFB. Well KAFB-1 is cross gradient 4,400 feet east, KAFB-7 is upgradient 2,800 ft south-southeast, KAFB-2 is probably upgradient 3,900 ft southwest, and KAFB-14 is cross gradient 6,900 ft west (Figures 2-7 and 2-11). Depth to groundwater is estimated to be approximately 350 ft below grade; however, shallower perched water zones may occur (Figure 2-10). Hydraulic conductivity within HR1 is estimated to range from 2 to 171 ft/day (SNL, 1994). A general discussion of the hydrogeology at Kirtland AFB is presented in Section 2.5.

32.4 Nature and Extent of Contamination

The following section describes the nature and extent of contamination based on sampling results. Analytical results for soil samples at OWS ST-241 are summarized in Table 32-2, where only the reportable concentrations are listed. Full analytical results are presented in Appendix G. Laboratory validation reports are presented in Appendix K.

Table 32-2. Summary of Reportable Concentrations for Soil Analyses at OWS ST-241, Bldg. 1061, Kirtland AFB, New Mexico[Ψ,1]
[Concentrations (mg/kg)]

Chemical Class	Analyte	PQL UTL	HHRB Action Level[2]	Borehole Number and Sample Depth Interval (ft)					
				ST-241-01		*ST-241-02*		*ST-241-03*	
				3–5	8–10	3–5	8–10	3–5	8–10
VOC	Acetone	0.1	8000	0.0025 J	ND	0.0036 J	ND	ND	0.0022 J
	Methylene Chloride	0.005	93.3	0.0066	0.0058	0.0056	0.0057	0.0046	0.0046
SVOC	di-n-Butylphthalate	0.7	8000	0.490	0.420	0.370	0.230	0.390	0.490
	Phenol	0.3	48000	0.200	ND	ND	ND	ND	0.220
TPH	Diesel Fraction	10	100	0.79	0.66	0.8	0.95	0.95	0.98
METALS	Aluminum	13300	N/A	6010	12700	4850	5710	3600	4150
	Arsenic	N/A	0.4	ND	7.2	ND	ND	6.3	ND
	Barium	496	5600	150	144	98.1	148	94.0	95.2
	Beryllium	0.83	0.2	0.34	0.63	0.21	0.32	0.21	0.21
	Calcium	119000	N/A	30400	37400	31900	16700	44300	11900
	Chromium, Total	14.9	400	5.5	10.7	4.9	6.1	3.3	5.1
	Cobalt	11.3	N/A	5.2	8.4	2.2	5.4	2.5	2.5
	Copper	135	N/A	16.5	35.7	81.9	12.9	20.1	9.4
	Iron	20900	N/A	10300	18200	7430	11000	4830	7020
	Lead	22.9	400	5.5	8.6	4.8	5.5	ND	5.5
	Magnesium	8730	N/A	4800	6450	2750	3750	2600	2160
	Manganese	435	400	157	368	78.8	202	58.3	90.3
	Nickel	54.4	1600	5.9	11.6	ND	5.7	3.1	ND
	Potassium	2730	N/A	774	2550	759	1260	556	751
	Sodium	519	N/A	85.6	111	111	423	62.0	240
	Vanadium	49.2	720	32.8	35.2	16.5	23.1	11.2	14.6
	Zinc	81.6	24000	23.2	64.9	40.0	28.1	17.2	16.7
OTHER	Moisture (%)			11.6	5.1	3.5	5.2	4.7	4.7
	pH			8.3	8.2	8.5	9.0	8.4	9.1

Ψ Complete table footnotes can be found after the last table in this section.

1 Complete laboratory analytical results including method detection limits are presented in the ITIR appendices.

2 Action Level Proposed Rule RCRA Subpart S Action Levels (55 FR 30814, 7/27/90).

*; TPH action level is 100 mg/kg adopted from NM UST regulations (USGS 2B Work Plan 3.6, NM El Board, 1990). SW-8015 analyzes volatile and semivolatile petroleum hydrocarbon fractions separately. The total concentration of the two fractions analyzed under 8015 will be used to assess compliance with stipulated action levels for the purpose of this RFI.

PQL; Practical Quantitation Limits (defines VOC, SVOC and TPH).

pCi/g; Picocuries per gram.

VOC; Volatile Organic Compounds.

TPH; Total Petroleum Hydrocarbons.

RAD; Radionuclides.

ND; Not Detected above the method detection limit.

U; Accept data (positive results may be influenced by lab contamination).

RE; Resample.

NA; Not Analyzed

UTL; Upper Tolerance Limits (defines METALS).

HHRB; Human Health Risk Based.

SVOC; Semivolatile Organic Compounds.

FR; Field Replicate.

UJ; Estimated Nondetect.

J; Estimated value.

R; Reject NDs due to interference.

--; No Data.

Organic Compounds

Acetone and methylene chloride were the only VOC analytes detected in one or more of the soil samples collected at ST-241. None of these compounds was detected at concentrations exceeding HHRB action levels (Table 32-2). These compounds were found in associated QC samples and are believed to be the result of laboratory contamination as discussed in Section 3.5.1.

Di-n-butylphthalate and phenol were the only SVOC analytes detected in soil samples collected at ST-241. Di-n-butylphthalate was detected in all samples at concentrations ranging from 0.23 to 0.49 mg/kg. Phenol was only detected in two samples at concentrations from 0.20 to 0.22 mg/kg. Neither of these compounds was detected at concentrations exceeding HHRB action levels (Table 32-2).

Petroleum Hydrocarbons

Diesel range hydrocarbons were detected in all the soil samples at ST-241 at concentrations ranging from 0.66 to 0.98 mg/kg. The concentrations did not exceed the NMED action level of 100 mg/kg (Table 32-2).

Metals

Beryllium was detected in all samples, including the background samples, above the HHRB action level of 0.2 mg/kg but below the UTL of 0.83 mg/kg. Beryllium concentrations ranged from 0.21 to 0.63 mg/kg. Arsenic was detected in two samples. The 8- to 10-ft sample from borehole ST-241-01 contained 7.2 mg/kg, and the 3- to 5-ft sample from borehole ST-241-03 contained 6.3 mg/kg. Both arsenic concentrations were above the HHRB action level of 0.4 mg/kg (Table 32-2). These arsenic and beryllium concentrations may be naturally occurring at Kirtland AFB as discussed in Section 4.2.2.

Soil pH and Moisture

Soil pH ranged from 8.2 to 9.1. Soil moisture values ranged from 3.5 to 11.6 percent (Table 32-2).

32.5 Conclusions and Recommendations

Conclusions

- Two VOCs (acetone and methylene chloride) were detected in soil samples from ST-241; however, all concentrations were below the HHRB action levels.

- Two SVOCs (phenol and di-n-butylphthalate) were detected in soil samples; however, all concentrations were below the HHRB action levels.

- Diesel range hydrocarbons were detected in all soil samples. The concentrations detected did not exceed the NMED action level of 100 mg/kg.

- Beryllium and arsenic were the only metals detected above the HHRB action levels. Beryllium was detected in every sample and arsenic in two samples. These concentrations of beryllium and arsenic may be naturally occurring throughout Kirtland AFB.

- ST-241 analyte results are not indicative of a release from this unit.

Recommendations

- Based on the findings of the RFI, no further action is necessary; therefore, Site ST-241 does not require further investigation. A No Further Action proposal should be prepared.

33.0 Sites ST-242 and ST-243, Oil/Water Separators

33.1 Site Background and Environmental Setting

OWS ST-242 and OWS ST-243 are outdoors on the south side of building 1063, the Corrosion Control and Fuel Operations Management facility for the New Mexico Air National Guard complex.

OWS ST-242 was investigated on May 16-17, 1994. It is made of concrete and measures 3.1 ft long, 5.7 ft long, and 6 ft deep. This unit receives inflow through a buried pipe from floor drains located inside building 1063. Effluent is discharged from ST-242 westward to ST-243 through a buried outflow pipe (Figure 33-1).

OWS ST-243 was investigated on May 16, 1994. It is a metal tank surrounded by a concrete vault. It measures 6.4 ft long by 3.9 ft wide (outside diameter) and 3 ft deep. The unit receives inflow from ST-242 through a buried pipe that connects the two units. ST-243 discharges westward to a sanitary sewer lateral (Figure 33-1). It is unlikely that either ST-242 or ST-243 would overflow. If either unit or both units were to overflow, runoff would disperse over the concrete and asphalt-paved areas surrounding the two units.

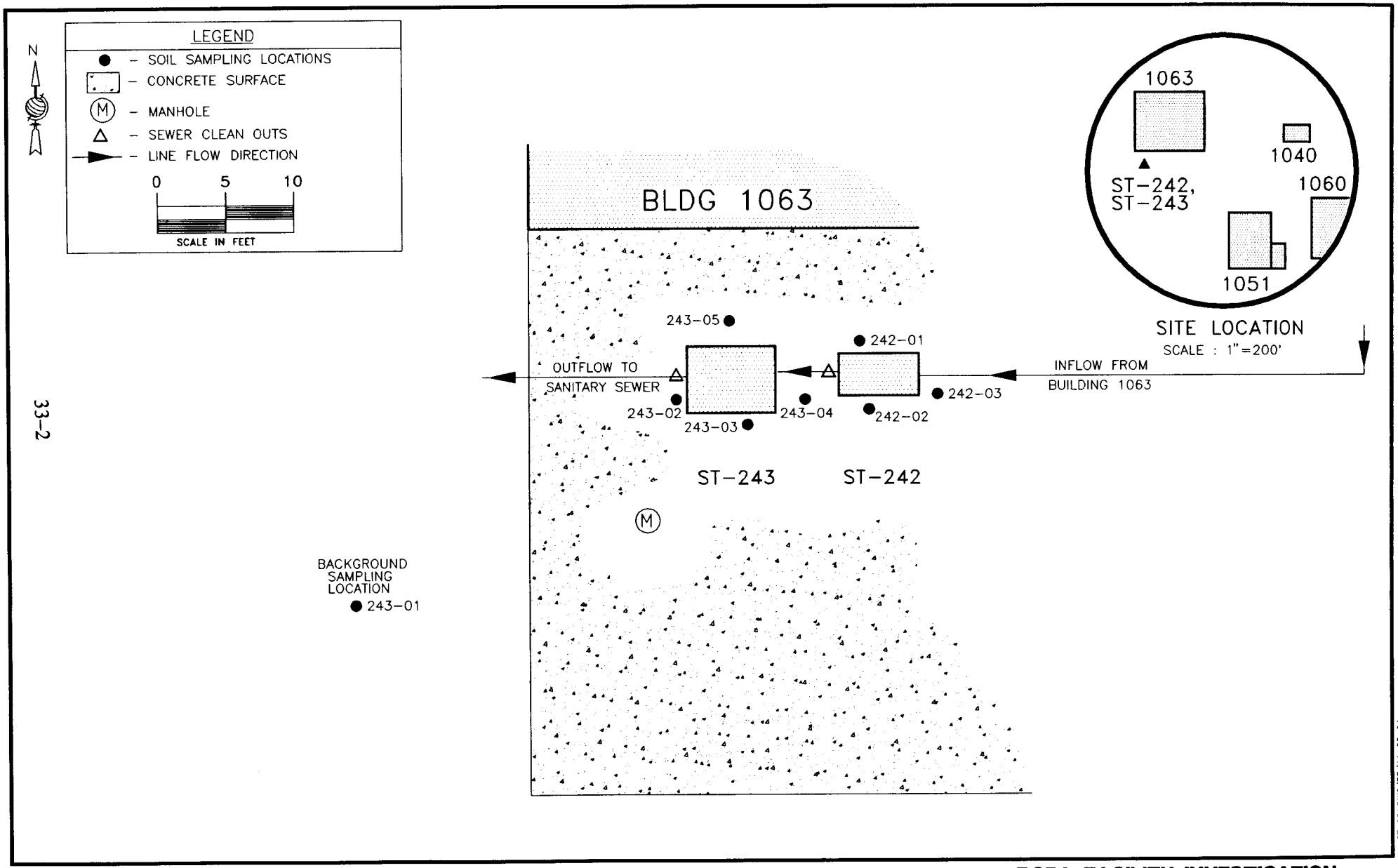
Building 1043 is located in the urban/industrial environmental zone. This environmental setting is discussed in Section 2.0. The nearest production wells to this site are KAFB-7, located 3,200 ft to the south-southeast, KAFB-2, located 3,700 ft to the south-southwest, KAFB-1, located 4,500 to the east, and KAFB-3, located 6,500 ft to the north-northeast (Figure 2-11).

33.2 Study Area Investigation

Possible source materials were not investigated in this study. Previous investigations sampled source materials as described below.

33.2.1 Previous Investigations

In 1990, 1991, and 1992, a Kirtland AFB environmental contractor sampled materials present in OWS ST-242 and OWS ST-243. At ST-242, TPH was reported to be 1,253 , 496,000, and 844 mg/kg in the 1990, 1991, and 1992 samples, respectively. TOX was reported to be 155 and 146 mg/kg in the 1991 and 1992 samples, respectively. At ST-243, TPH was reported at 5,870, 142,000, and 3,110 mg/kg in results from 1990, 1991, and 1992, respectively. TOX was reported to



SOIL SAMPLING LOCATIONS AT OIL/WATER SEPARATORS ST-242 & ST-243, BUILDING 1063

FIGURE 33-1

RCRA FACILITY INVESTIGATION STAGE 2B KIRTLAND AIR FORCE BASE, NEW MEXICO

be 135 and 234 mg/kg in the 1991 and 1992 samples, respectively. Full results for these samplings are presented in Appendix B of the USGS Stage 2B Work Plan (USGS, 1993a).

33.2.2 Data Gaps

The main objective of this investigation was to determine if contamination is present in the subsurface soil adjacent to OWSs ST-242 and ST-243. A secondary objective was to determine unit outflows and potential surface runoff destinations.

33.2.3 RFI Field Investigation

On May 16-17, 1994 eight boreholes were drilled and sampled at building 1063 using a Geoprobe system (Figure 33-1). One borehole (ST-243-01) was located approximately 30 ft southwest of ST-243, in an area away from known or suspected contamination, for the purpose of collecting background concentration data. Due to close proximity, ST-243-01 was also utilized as a background borehole for sites ST-229 and ST-242. Soil samples were collected for laboratory analysis at ST-243-01 at the same depths as the deepest sample depths at the three abovementioned sites (i.e., 3 ft and 8 ft below grade).

At ST-243, one borehole was drilled on each side of the unit. The boreholes on the east and west sides were located as close as possible to the inflow and outflow pipes. At ST-242, boreholes were placed on each side of the unit, with the exception of the west side of ST-242, where borehole ST-243-04 was located (Figure 33-1). Two sample intervals were collected in each borehole: one at a depth equal to, and the other 5 ft below the base of each OWS (i.e., 3 and 8 ft for ST-243, and 6 and 11 ft for ST-242).

Sampling operations and sample handling procedures are described in Section 3.0. Borehole locations, sample depths, and replicate samples collected at building 1063 are listed in Table 33-1. Borehole logs are in Appendix C.

33.2.4 Laboratory Analysis

Including replicate samples, 18 soil samples were collected for laboratory analysis at ST-242 and ST-243. These samples were analyzed for VOCs, SVOCs, TPH, metals, mercury (the expected contaminants associated with normal operations at this building), soil pH, and soil moisture. Due to an oversight, the 3- to 5-ft sample from borehole ST-243-03 was only analyzed for VOCs and moisture content. Soil samples were field screened for possible contamination using gamma and beta-gamma meters, a PID, and an FID. No readings above background values were measured with these instruments.

Table 33-1. Boreholes and samples collected at ST-242 and ST-243, Building 1063

Site	Borehole	Borehole Location	Sample Depths (ft)
ST-242	01	North side of OWS	6-11[a]
			11-17
	02	South side of OWS	6-9
			11-14
	03	East side, near OWS inflow	6-8
			11-13
ST-243	01	Background sampling location	3-7[a]
			8-10
	02	West side, near OWS outflow	3-8
			8-11
	03	South side of OWS	3-5
			8-11
	04	East side, near ST-243 inflow and ST-242 outflow	3-5
			8-12
	05	North side of OWS	3-6
			8-11

a. Replicate sample also collected at this depth interval.

33.3 Site Characteristics

33.3.1 Geology

The building 1063 area is underlain by unconsolidated alluvial sediments. The sediments are predominantly fine-grained sands and very fine-grained to fine-grained silty sands. Caliche was present in all boreholes as light- to heavily-stained zones and patches. A maximum depth of 17 ft was attained at borehole ST-242-01. No boreholes penetrated into the Santa Fe Group sediments that presumably underlie this area. A discussion of the general geology at Kirtland AFB is presented in Section 2.4.

As a result of OWS installation, it is probable that backfill material is present adjacent to these units to a depth equal to the total depth of each unit. Borehole logs for this area are presented in Appendix C.

33.3.2 Hydrogeology

Groundwater beneath ST-242 and ST-243 is found within the Upper Santa Fe sediments and is generally thought to be unconfined in the upper portion of the aquifer. This area is within the HR1 saturated zone setting as defined by SNL studies (Figure 2-9) (SNL, 1994). Hydrologic characterization in this portion of Kirtland AFB is complicated by the presence of numerous production wells (Figure 2-11). It is probable that uniform groundwater conditions do not exist in this region. Local cones of depression associated with groundwater withdrawal have altered the groundwater flow direction in the vicinity of the well fields (Figure 2-7).

It is probable that the gradient is northerly in this area. It is believed that production wells KAFB-7, located 3,200 ft to the south-southeast, and KAFB-2, located 3,700 ft to the south-southwest are upgradient; KAFB-1, located 4,500 ft to the east, is believed to be cross gradient; and KAFB-3, located 6,500 ft to the north-northeast, appears to be downgradient from the sites (Figures 2-7 and 2-11). Depth to groundwater is estimated to be approximately 350 ft below grade; however, shallower perched water zones may occur (Figure 2-10). Hydraulic conductivity within HR1 is estimated at 2 to 171 ft/day (SNL, 1994). A general discussion of the hydrogeology at Kirtland AFB is presented in Section 2.5.

33.4 Nature and Extent of Contamination

The following sections describe the nature and extent of contamination based on sampling results. Analytical results are presented in Tables 33-2 and 33-3, where only reportable concentrations are listed. Full analytical results are presented in Appendix G. Laboratory validation reports are presented in Appendix K.

33.4.1 ST-242 Analytical Results

Organic Compounds

VOC analytes detected in one or more of the soil samples collected at ST-242 include: acetone, bromomethane, methylene chloride, methyl ethyl ketone, toluene, and trichloroethylene. Trichloroethylene was detected only in the 11- to 14-ft sample from borehole ST-242-02 at a concentration of 0.0019 mg/kg. Bromomethane (0.0017 and 0.0032 mg/kg) was detected in the 6- to 11-ft sample from borehole ST-242-01 and the 11- to 13-ft sample from borehole ST-242-03. None of these compounds was detected at levels that exceed HHRB action levels (Table 33-2). Except for trichloroethylene and bromomethane, these constituents were found in associated QC samples and are believed to be the result of laboratory contamination as discussed in Section 3.5.1.

Table 33-2. **Summary of Reportable Concentrations for Soil Analyses at OWS ST-242, Bldg. 1063, Kirtland AFB, New [Concentrations (mg/kg)]**

Chemical Class	Analyte	PQL UTL	HHRB Action Level[2]	Borehole Number and Sample Depth Interval (ft)						
				ST-242-01			*ST-242-02*		*ST-242-03*	
				6-11	6-11 FR	11-17	6-9	11-14	6-8	11-13
	Acetone	0.1	8000	0.014	0.082	0.018	0.0065 J	0.012	0.0066 J	0.011
	Bromomethane	0.01	32	ND	ND	0.0017 J	ND	ND	ND	0.0032
	Methyl Ethyl Ketone	0.7	48000	0.0017 J	ND	ND	ND	0.0013 J	ND	ND
	Methylene Chloride	0.7	93.3	0.0043	0.0041	0.0034	0.0043	0.0045	0.0026 J	0.0026
	Toluene	0.7	16000	0.0035	ND	ND	0.0029 J	0.016	ND	0.0035
	Trichloroethylene	0.7	63.6	ND	ND	ND	ND	0.0019 J	ND	ND
SVOC	di-n-Butylphthalate	0.7	8000	ND	ND	ND	ND	ND	0.400	0.370
	Phenol	0.7	48000	0.150	0.320	0.300	0.170	0.250	0.240	0.310
TPH	Diesel Fraction	10	100	1.4	0.9	0.79	1	0.6	1.2	0.86
METALS	Aluminum	13300	N/A	6900	6420	7960	5960	7480	5330	6590
	Barium	496	5600	380	350	94.3	166	128	62.7	158
	Beryllium	0.83	0.2	0.33	0.33	0.44	0.32	0.34	0.32	0.45
	Calcium	119000	N/A	50900	48400	30800	67700	61500	34500	35400
	Chromium, Total	14.9	400	6.8	6.6	10.0	9.2	7.9	4.8	7.5
	Cobalt	11.3	N/A	4.6	5.1	5.9	3.2	4.5	1.5	4.5
	Copper	135	N/A	12.3	13.2	20.2	44.4	22.2	11.2	18
	Iron	20900	N/A	10700	10500	12100	8180	10300	6390	8910
	Lead	22.9	400	4.1	5.5	5.5	3.4	4.9	4.4	5.5
	Magnesium	8730	N/A	4700	4960	4360	3410	4800	2520	3870
	Manganese	435	400	165	171	228	129	180	77.1	270
	Nickel	54.4	1600	6.3	8.1	25.5	5.3	6.6	5.1	7.5
	Potassium	2730	N/A	969	836	1400	956	1150	763	1140
	Sodium	519	N/A	161	167	419	239	320	111	351
	Vanadium	49.2	720	28.5	28.5	25.3	18.9	23.7	15.2	20.5
	Zinc	81.6	24000	26.6	27.1	33.8	32.8	32.0	18.8	36.4
OTHER	Moisture (%)			8.3	8.1	8.4	6.8	10.9	6.2	10.7
	pH			8.5	8.2	10.5	10.8	8.5	8.3	8.8

Table 33-3. Summary of Reportable Concentrations for Soil Analyses at OWS ST-243, Bldg. 1063, Kirtland AFB, New Mexico[Ψ,1]
[Concentrations (mg/kg)]

Chemical Class	Analyte	PQL	HHRB Action	Borehole Number and Sample Depth Interval (ft)										
				ST-243-01			*ST-243-02*		*ST-243-03*		*ST-243-04*		*ST-243-05*	
		UTL	Level[2]	3–7	3–7 FR	8–10	3–8	8–11	3–5	8–11	3–5	8–12	3–6	8–11
VOC	Acetone	0.1	8000	0.019	0.038	0.012	0.0055 J	0.013 U	0.0097 J	0.023	0.014 U	0.013	0.015	0.008 J
	Bromomethane	0.01	32	0.0026 J	0.0026 J	0.0015 J	0.0016 J	0.0028 U	0.0022 J	0.0014 J	ND	ND	ND	ND
	Carbon Disulfide	0.005	8000	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0017 J	ND
	Methyl Ethyl Ketone	0.1	48000	ND	ND	ND	ND	ND	ND	0.013	ND	ND	ND	ND
	Methyl Isobutyl Ketone	0.05	N/A	0.0028 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methylene Chloride	0.005	93.3	0.0047	0.0051	ND	ND	0.0094 U	0.0086	0.0074	0.0089 U	0.0069	0.0094	0.0041
	Toluene	0.005	16000	0.0017 J	0.0036 J	ND	ND	0.0042	0.0016 J	ND	0.0013 J	ND	ND	ND
	Trichloroethylene	0.005	63.6	ND	ND	ND	ND	ND	NA	ND	ND	ND	0.0014 J	ND
SVOC	di-n-Butylphthalate	0.7	8000	ND	ND	ND	ND	ND	NA	ND	ND	ND	0.24	ND
	Phenol	0.3	48000	0.54	0.26	0.23	0.54	1.1 J	NA	0.26	0.43 J	0.26	0.29	0.33
TPH	Diesel Fraction	10	100	1.1	0.9	0.58	0.77	0.48	NA	0.41	0.48	0.79	0.26	0.82
METALS	Aluminum	13300	N/A	5690	10600	7940	7260	12600	NA	8310	7180 J	8770	7400	9930
	Barium	496	5600	281	234	74.6	146	87.1	NA	145	288	178	237	352
	Beryllium	0.83	0.2	0.23	0.56	0.44	0.44	0.68	NA	0.44	0.34	0.43	0.34	0.56
	Cadmium	N/A	40	ND	ND	ND	ND	ND	NA	ND	ND	1.2	0.8	0.79
	Calcium	119000	N/A	157000	64700	28200	32500	39100	NA	35000	81200	45900	95600	27100
	Chromium, Total	14.9	400	5.2	9.8	8.8	9.1	13.9	NA	10.5	8.3 J	11.6	6.6	9.7
	Cobalt	11.3	N/A	3.1	7.8	5.9	5.5	7.8	NA	5.7	3.9 J	6.0	2.9	6.2
	Copper	135	N/A	37	122	72	119	183	NA	173	71.4 J	55.1	19.2	20.4
	Iron	20900	N/A	7240	14200	11600	10600	15400	NA	11900	9060	12800	7890	12700
	Lead	22.9	400	ND	7.2	6.8	5.4	7.0	NA	5.1	5.1	5.1	3.5	4.2
	Magnesium	8730	N/A	5460	7330	4360	4400	6090	NA	4910	4520	4640	4520	5090
	Manganese	435	400	99.2	281	213	199	342	NA	210	132	236	109	257
	Nickel	54.4	1600	4.3	10.2	7.7	16	45.9	NA	35.6	5.9	25.8	5.8	10.7
	Potassium	2730	N/A	700	1560	1480	1180	2330	NA	1310	1110 J	1380	890	1520
	Sodium	519	N/A	141	207	345	154	351	NA	201	247 J	435	95.9	240
	Vanadium	49.2	720	24.7	41.9	24.5	29.3	32.8	NA	31.1	22.6	32.3	27.1	33.7
	Zinc	81.6	24000	30.8	90.0	53.5	64.8	106	NA	89.3	46.9 J	44.5	22.1	35.4
OTHER	Moisture (%)			12.1	11.0	8.9	8.6	11.4	13.0	9.0	10.6	7.7	12.6	11.2
	pH			8.5	8.4	8.7	10	10.2	NA	9.4	9.1	11.6	8.3	8.6

1 Complete laboratory analytical results including method detection limits are presented in the ITIR appendices.

2 Action Level Proposed Rule RCRA Subpart S Action Levels (55 FR 30814, 7/27/90).

*; TPH action level is 100 mg/kg adopted from NM UST regulations (USGS 2B Work Plan 3.6, NM EI Board, 1990). SW-8015 analyzes volatile and semivolatile petroleum hydrocarbon fractions separately. The total concentration of the two fractions analyzed under 8015 will be used to assess compliance with stipulated action levels for the purpose of this RFI.

PQL; Practical Quantitation Limits (defines VOC, SVOC and TPH).

pCi/g; Picocuries per gram.

VOC; Volatile Organic Compounds.

TPH; Total Petroleum Hydrocarbons.

RAD; Radionuclides.

ND; Not Detected above the method detection limit.

U; Accept data (positive results may be influenced by lab contamination).

RE; Resample.

NA; Not Analyzed

UTL; Upper Tolerance Limits (defines METALS)

HHRB; Human Health Risk Based.

SVOC; Semivolatile Organic Compounds.

FR; Field Replicate.

UJ; Estimated Nondetect.

J; Estimated value.

R; Reject NDs due to interference.

--; No Data.

SVOC analytes di-n-butylphthalate and phenol were detected in soil samples collected at ST-242. Di-n-butylphthalate (0.37 and 0.40 mg/kg) was detected in the two samples from borehole ST-242-03. Phenol (0.15 to 0.32 mg/kg) was detected in all samples at ST-242. These concentrations did not exceed HHRB action levels (Table 33-2).

Petroleum Hydrocarbons

Diesel range hydrocarbons were detected in all soil samples collected at ST-242 at concentrations ranging from 0.6 to 1.4 mg/kg. These concentrations do not exceed the NMED action level of 100 mg/kg for petroleum hydrocarbons (Table 33-2).

Metals

Beryllium was detected in all samples at ST-242 at concentrations ranging from 0.32 to 0.45 mg/kg. These concentrations are above the HHRB action level of 0.2 mg/kg, but below the UTL of 0.83 mg/kg. No other metals were detected at concentrations exceeding HHRB action levels (Table 33-2). These beryllium concentrations may be naturally occurring at Kirtland AFB as discussed in Section 4.2.2.

Soil pH and Moisture

Soil pH ranged from 8.2 to 10.8. Soil moisture values ranged from 6.2 to 10.9 percent (Table 33-2).

33.4.2 ST-243 Analytical Results

Organic Compounds

VOC analytes detected in one or more of the soil samples collected at ST-243 include: acetone, bromomethane, carbon disulfide, methylene chloride, methyl ethyl ketone, methyl isobutyl ketone, toluene, and trichloroethylene. None of these compounds was detected at concentrations exceeding HHRB action levels (Table 33-3). Methy ethyl ketone (0.013 mg/kg) was only detected in the 8- to 11-ft sample from borehole ST-243-03. Methyl isobutyl ketone (0.0028 mg/kg) was only detected in the 3- to 7-ft sample from borehole ST-243-01. Trichloroethylene and carbon disulfide were only detected in the 3- to 6-ft sample from borehole ST-243-05 at concentrations of 0.0014 and 0.0017 mg/kg, respectively. Except for trichloroethylene, bromomethane, and carbon disulfide, these analytes were also found in associated QC samples and are believed to be the result of laboratory contamination as discussed in Section 3.5.1.

Di-n-butylphthalate and phenol were the only SVOC analytes detected in soil samples at ST-243. Di-n-butylphthalate was only detected in the 3- to 6-ft sample from borehole ST-243-05. Phenol was

detected in every sample. These compounds were not detected at concentrations exceeding HHRB action levels (Table 33-3).

Petroleum Hydrocarbons

Diesel range hydrocarbons were detected in all but one soil sample collected at ST-243 at concentrations ranging from 0.26 to 1.1 mg/kg. These concentrations do not exceed the NMED action level of 100 mg/kg for petroleum hydrocarbons (Table 33-3).

Metals

Beryllium was detected in all samples at concentrations ranging from 0.23 to 0.68 mg/kg. These concentrations exceeded the HHRB action level of 0.2 mg/kg, but were below the UTL of 0.83 mg/kg. No other metals were detected at concentrations above HHRB action levels (Table 33-3). These beryllium concentrations may be naturally occurring at Kirtland AFB as discussed in Section 4.2.2.

Soil pH and Moisture

Soil pH ranged from 8.3 to 11.6. Soil moisture values ranged from 8.6 to 13.0 percent (Table 33-3).

33.5 Conclusions and Recommendations

Conclusions

- Concentrations of the two SVOC compounds detected, di-n-butylphthalate and phenol, did not exceed HHRB action levels. The concentrations of the VOCs detected did not exceed HHRB action levels.

- Diesel range hydrocarbon concentrations at ST-242 and ST-243 did not exceed the NMED action level of 100 mg/kg.

- Beryllium is the only metal detected at ST-242 and ST-243 at concentrations exceeding the HHRB action level. However, none of these concentrations exceeded the basewide UTL (0.83 mg/kg) for beryllium. These concentrations of beryllium appear to be naturally occurring throughout Kirtland AFB as discussed in Section 4.2.2.

- These analytical results are not indicative of releases from these units.

Recommendations

- Based on the findings of the RFI, no further action is necessary; therefore, Sites ST-242 and ST-243 do not require further investigation. No Further Action proposals should be prepared.

34.0 Sites ST-244, Oil/Water Separator and ST-245, Holding Tank

34.1 Site Background and Environmental Setting

These sites are in the western portion of Kirtland AFB near building 1064, the Civil Engineering office, in the New Mexico Air National Guard complex (Figure 34-1). OWS ST-244 and holding tank ST-245 are both outside on the west side of building 1064. The two sites were investigated on May 25, 1994, and are still in use.

OWS ST-244 has a metal cover and measures 3.5 ft long, 2.5 ft wide, and 3 ft deep. The OWS receives inflow from the floor drains inside building 1064, and the aqueous phase discharges north to the sewer lateral along the west side of the building (Figure 34-1). This lateral drains west into the main sanitary sewer system. The oil-phase liquid discharges west to ST-245.

Holding tank ST-245, located 1.3 ft west of the separator, has a 2.5-in. fill cap set in a 1.3-square-ft concrete pad and receives the oil phase from ST-244. The approximate size of the tank is 500 gallons. The tank bottom is 5 ft below grade.

The probability that the OWS or holding tank would overflow onto the surrounding area is low. If overflow did occur, runoff could infiltrate the surrounding soil.

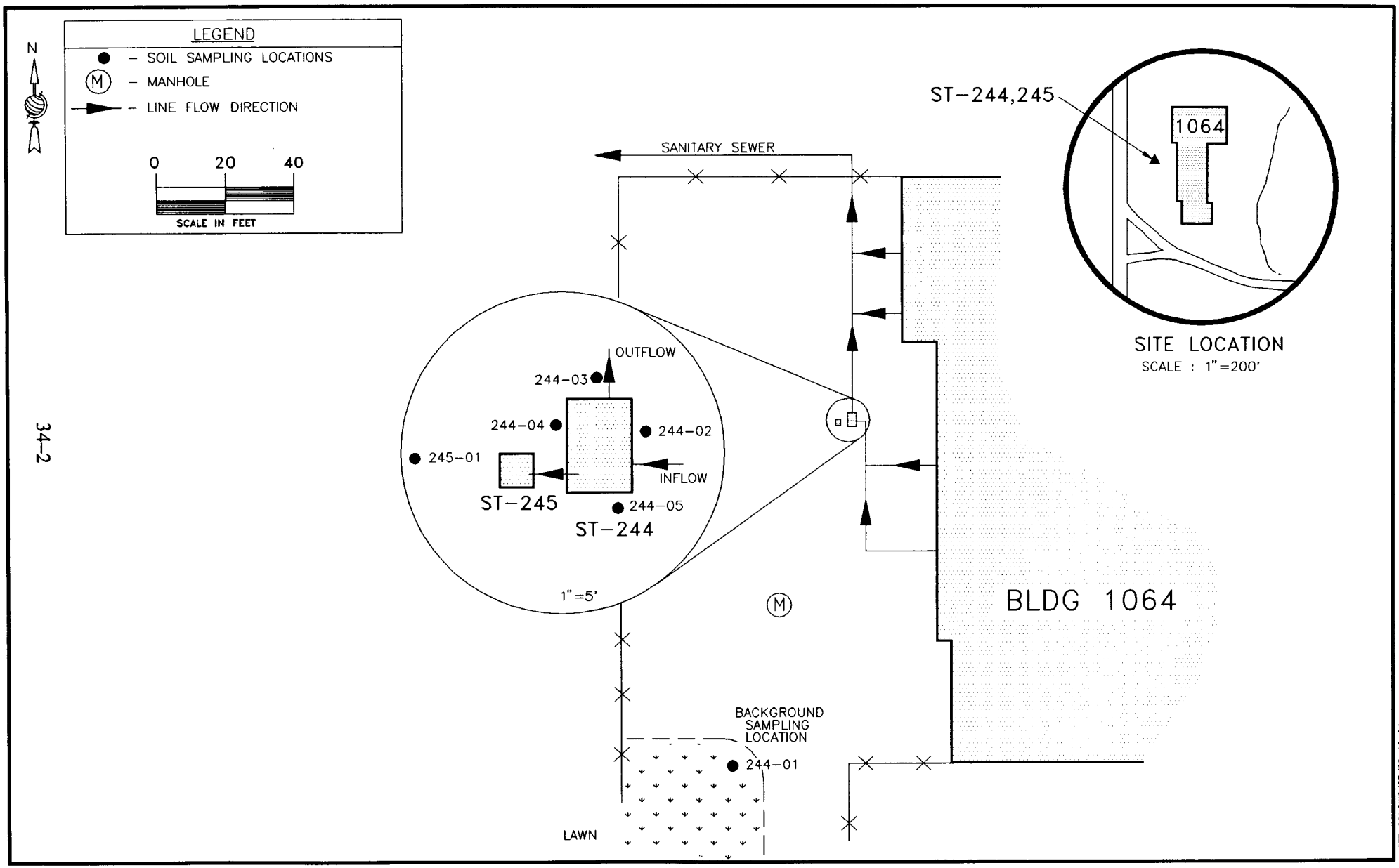
Building 1064 is in the urban/industrial environmental zone, which is discussed in Section 2.0. Four production wells are located in this area of Kirtland AFB. Well KAFB-1 is 4,000 ft east, KAFB-7 is 2,600 ft south-southeast, KAFB-2 is 4,200 ft southwest, and KAFB-14 is 6,700 ft west (Figure 2-11).

34.2 Study Area Investigation

Possible source materials were not investigated in this study. Previous investigations sampled source materials as described below.

34.2.1 Previous Investigations

In 1991 and 1992, a Kirtland AFB environmental contractor sampled materials inside the OWS and holding tank. Table 34-1 shows analytes with reportable concentrations for the OWS and holding tank. The sample collected from the separator in 1992 contained cadmium, chromium, and lead above the RCRA toxicity limit set for the TCLP analysis. The 1992 holding tank samples contained lead in a replicate sample and cadmium above the RCRA toxicity limit set for the TCLP analysis. Full results for these samplings are presented in Appendix B of the USGS Stage 2B Work Plan (USGS, 1993a).



SOIL SAMPLING LOCATIONS AT OIL/WATER SEPARATOR ST-244, AND HOLDING TANK ST-245, BUILDING 1064

FIGURE 34-1

RCRA FACILITY INVESTIGATION STAGE 2B KIRTLAND AIR FORCE BASE, NEW MEXICO

Table 34-1. Analytes in OWS ST-244 and Holding Tank ST-245, Building 1064

Analyte	Year	ST-244 (mg/kg)	ST-245 (mg/kg)
TPH	1991	--	23,000
	1992	--	730
TOX	1991	139	650
	1992	544	155
Cadmium	1992	6.4	2.8
Chromium	1992	--	11.5
Lead	1992	8.8	16.4

34.2.2 Data Gaps

The main objective of this investigation was to determine if contamination is present in the subsurface soil adjacent to these sites. A secondary objective was to determine unit outflows and potential overflow runoff destinations.

34.2.3 RFI Field Investigation

On May 25, 1994, six boreholes were drilled and sampled using a Geoprobe system. One borehole was located in a grassy area west of building 1064 to collect background concentration data for these sites. This location was assumed to be in an area away from any known or suspected contamination. One borehole was located on the south side of the OWS and another was drilled on the west side of the holding tank. Three boreholes were located as close as possible to the inflow and outflow points for the OWS and holding tank (Figure 34-1). Two sample intervals were collected in each borehole; one at a depth equal to and the other 5 ft below the OWS' base (i.e., 3 and 8 ft). The holding tank sample intervals were at depths 3 ft and 13 ft below the unit's base (i.e., 8 and 18 ft).

Sampling operations and sample handling procedures are described in Section 3.0. Borehole locations, sample depths, and replicate samples collected for Sites ST-244 and ST-245 are listed in Table 34-2. Borehole logs are in Appendix C.

32.2.4 Laboratory Analysis

Fourteen soil samples, including replicates, were collected at these sites. These samples were analyzed for VOCs, SVOCs, TPH, metals, mercury (the expected contaminants associated with normal operations at this building), pH, and soil moisture. The four brass tubes in each 2-ft sample interval were field screened for possible contamination using gamma and beta-gamma meters, a PID, and an FID. No readings above background values were measured with these instruments.

Table 34-2. Boreholes and Samples Collected at OWS ST-244 and Holding Tank ST-245, Building 1064

Site	Borehole	Borehole Location	Sample Depths (ft)
ST-244	01	Background sampling location	8-12[a]
			18-22
	02	Near OWS inflow	3-5
			8-10
	03	Near OWS outflow	3-5
			8-10
	04	Near OWS outflow to holding tank	3-5
			8-10
	05	Adjacent to OWS	3-5
			8-10
ST-245	01	Adjacent to holding tank	8-10
			18-22[a]

a. Replicate sample also collected in this depth interval.

34.3 Site Characteristics

34.3.1 Geology

The building 1064 area is underlain by unconsolidated alluvial sediments. These sediments are dominantly very fine-grained to fine-grained silty sands and sands with occasional clayey sand intervals. Caliche was present in all boreholes as discrete patches and stained, mottled, or heavily cemented intervals. Six boreholes were drilled at these sites, with the deepest borehole reaching a depth of 22 ft. No borehole penetrated into the Santa Fe Group sediments that presumably underlie this area. A discussion of the general geology at Kirtland AFB is presented in Section 2.4.

As a result of OWS and holding tank installation, it is probable that backfill material is present adjacent to these units to a depth equal to the unit's depth. Borehole logs for this area are presented in Appendix C.

34.3.2 Hydrogeology

Groundwater beneath the sites is found within the Upper Santa Fe sediments and is generally thought to be unconfined in the upper portion of the aquifer. This area is within the HR1 saturated zone setting as defined by SNL studies (Figure 2-9) (SNL, 1994). Hydrologic characterization in this portion of Kirtland AFB is complicated by the presence of numerous production wells (Figure 2-11). Uniform groundwater conditions in this region probably do not exist. Local cones of depression

associated with groundwater withdrawal have altered the groundwater flow direction in the vicinity of the well fields (Figure 2-7).

It is probable that the gradient is northerly in this area. Four production wells are located in this area of Kirtland AFB. Well KAFB-1 is cross gradient 4,000 feet east, KAFB-7 is upgradient 2,600 ft south-southeast, KAFB-2 is probably upgradient 4,200 ft southwest, and KAFB-14 is cross gradient 6,700 ft west (Figures 2-7 and 2-11). Depth to groundwater is estimated to be approximately 350 ft below grade; however, shallower perched water zones may occur (Figure 2-10). Hydraulic conductivity within HR1 is estimated at 2 to 171 ft/day (SNL, 1994). A general discussion of the hydrogeology at Kirtland AFB is presented in Section 2.5.

34.4 Nature and Extent of Contamination

The following sections describe the nature and extent of contamination based on sampling results for OWS ST-244 and holding tank ST-245. Analytical results for soil samples at these sites are summarized in Tables 34-3 and 34-4, where only the reportable concentrations are listed. Full analytical results are listed in Appendix G. Laboratory validation reports are presented in Appendix K.

34.4.1 ST-244 Analytical Results

Organic Compounds

The following VOC analytes were detected in one or more of the soil samples collected at OWS ST-244: acetone, methyl ethyl ketone, and methylene chloride. Acetone and methylene chloride were detected in most samples while methyl ethyl ketone was only detected in the 3- to 5-ft sample from borehole ST-244-02. None of the compounds was detected at concentrations exceeding HHRB action levels. These compounds were detected in associated QC samples and are believed to be the result of laboratory contamination. Di-n-butylphthalate and phenol were the only SVOCs detected in these samples. Di-n-butylphthalate was only detected in the 18- to 22-ft sample from borehole ST-244-01. Phenol was detected in three samples. All SVOC detections are below HHRB action levels (Table 34-3).

Metals

Chromium (16.6 mg/kg) was detected in the 18- to 22-ft depth sample from the background borehole ST-244-01 at a concentration above the UTL concentration of 14.9 mg/kg but below the HHRB of 400 mg/kg. Cobalt (12.0 mg/kg) and magnesium (9240 mg/kg) were both detected at concentrations exceeding their UTL values in the 8- to 10-ft samples from borehole ST-244-04.

Table 34-3. Summary of Reportable Concentrations for Soil Analyses at OWS ST-244 Bldg. 1064, Kirtland AFB, New Mexico[Ψ,1] [Concentrations (mg/kg)]

Chemical Class	Analyte	PQL / UTL	HHRB Action Level[2]	Borehole Number and Sample Depth Interval (ft)										
				ST-244-01			*ST-244-02*		*ST-244-03*		*ST-244-04*		*ST-244-05*	
				8-12	8–12 FR	18–22	3–5	8–10	3–5	8–10	3–5	8–10	3–5	8–10
VOC	Acetone	0.1	8000	ND	0.0047 J	ND	0.015	0.0099 J	0.0081 J	ND	0.0059 J	0.0035 J	0.0029 J	0.0052 J
	Methyl Ethyl Ketone	0.1	48000	ND	ND	ND	0.0029 J	ND	ND	ND	ND	ND	ND	ND
	Methylene Chloride	0.005	93.3	0.0068	0.0048	0.0035	0.0061	0.0054	0.0082	0.0083 U	0.0072	0.0061	0.0063	0.0051
SVOC	di-n-Butylphthalate	0.7	8000	ND	ND	0.31	ND	ND	ND	ND	ND	ND	ND	ND
	Phenol	0.3	48000	ND	ND	ND	ND	0.33	0.22	ND	ND	ND	0.22	ND
METALS	Aluminum	13300	N/A	9530	9780	15600	2520	7060	3530	6040 J	3560	14400	4720	5440
	Barium	496	5600	95.6	190	90.6	141	293	225	158 J	314	207	227	195
	Beryllium	0.83	0.2	0.56	0.47	0.9	0.22	0.33	0.22	0.33	0.23	0.83	0.22	0.32
	Calcium	119000	N/A	20800	51600	31200	22700	72100	79800	16700 J	142000	49400	79400	28200
	Chromium, Total	14.9	400	8.8	12.7	16.6	4.0	7.7	4.1	6.2 U	3.7	14.7	4.2	5.9
	Cobalt	11.3	N/A	8.3	7.5	9.4	2.0	6.0	2.7	5.8	1.6	12.0	2.9	4.2
	Copper	135	N/A	22.3	25.0	23.1	66.6	41.1	29.0	17.9 J	19.1	30.3	48.7	10.8
	Iron	20900	N/A	16100	16200	20200	5510	11900	4360	12400 J	4120	21800	5520	9770
	Lead	22.9	400	8.0	6.4	11.9	4.0	6.6	12.6	6.9	3.7	12.2	5.4	5.2
	Magnesium	8730	N/A	6710	7400	7710	2270	6270	3190	4410	4680	9240	3190	4070
	Manganese	435	400	294	308	422	85.8	189	52.3	220	47.7	511	53.7	133
	Nickel	54.4	1600	8.7	24.5	14.0	27.6	7.2	3.8	7.2	ND	13.1	4.0	4.4
	Potassium	2730	N/A	1410	1590	2770	414	1020	506	1040	375	2270	572	874
	Sodium	519	N/A	150	189	802	128	271	114	328 J	102	930	148	283
	Vanadium	49.2	720	37.0	38.9	37.2	13.7	33.9	15.2	26.4 J	15.9	45.8	16.8	23.5
	Zinc	81.6	24000	43.6	43.0	52.7	31.3	39.6	21.2	34.8 J	17.0	59.2	30.9	21.8
OTHER	Moisture (%)			11.2	15.5	11.0	8.3	10.3	9.6	9.6	11.2	15.9	9.0	6.3
	pH			8.6	8.1	9.0	8.7	8.5	8.5	8.6	8.5	9.1	8.6	7.6

Ψ Complete table footnotes can be found after the last table in this section.

Table 34-4. Summary of Reportable Concentrations for Soil Analyses at Holding Tank ST-245, Bldg. 1064, Kirtland AFB, New Mexico[Ψ,1] [Concentrations (mg/kg)]

Chemical Class	Analyte	PQL UTL	HHRB Action Level[2]	Borehole Number and Sample Depth Interval (ft)		
				ST-245-01		
				8–10	18–22	18–22 FR
VOC	Acetone	0.1	8000	ND	ND	0.014
	Methylene Chloride	0.005	93.3	0.0051	0.0062	0.0057
SVOC	Phenol	0.3	48000	ND	ND	0.16
METALS	Aluminum	13300	N/A	5490	8990	7130
	Barium	496	5600	ND	95.0	64.7
	Beryllium	0.83	0.2	0.42	0.56	0.43
	Calcium	119000	N/A	45200	87600	17900
	Chromium, Total	14.9	400	4.2	8.8	7.9
	Cobalt	11.3	N/A	6.9	6.8	5.2
	Copper	135	N/A	38.6	83.6	19.5
	Iron	20900	N/A	11700	13000	11100
	Lead	22.9	400	5.5	7.7	5.8
	Magnesium	8730	N/A	5100	5450	3790
	Manganese	435	400	226	205	208
	Nickel	54.4	1600	4.6	8.2	6.7
	Potassium	2730	N/A	1040	1690	1380
	Sodium	519	N/A	347	713	459
	Vanadium	49.2	720	25.9	23.4	19.3
	Zinc	81.6	24000	41.0	58.9	31.8
OTHER	Moisture (%)			5.3	10.0	7.9
	pH			8.5	7.7	8.3

Ψ Complete table footnotes can be found after the last table in this section.

1 Complete laboratory analytical results including method detection limits are presented in the ITIR appendices.

2 Action Level Proposed Rule RCRA Subpart S Action Levels (55 FR 30814, 7/27/90).

*; TPH action level is 100 mg/kg adopted from NM UST regulations (USGS 2B Work Plan 3.6, NM EI Board, 1990). SW-8015 analyzes volatile and semivolatile petroleum hydrocarbon fractions separately. The total concentration of the two fractions analyzed under 8015 will be used to assess compliance with stipulated action levels for the purpose of this RFI.

PQL; Practical Quantitation Limits (defines VOC, SVOC and TPH).

pCi/g; Picocuries per gram.

VOC; Volatile Organic Compounds.

TPH; Total Petroleum Hydrocarbons.

RAD; Radionuclides.

ND; Not Detected above the method detection limit.

U; Accept data (positive results may be influenced by lab contamination).

RE; Resample.

NA; Not Analyzed

UTL; Upper Tolerance Limits (defines METALS).

HHRB; Human Health Risk Based.

SVOC; Semivolatile Organic Compounds.

FR; Field Replicate.

UJ; Estimated Nondetect.

J; Estimated value.

R; Reject NDs due to interference.

--; No Data.

Manganese (422 mg/kg) was detected in the same sample above the HHRB of 400 mg/kg but below the UTL of 435 mg/kg. Beryllium (0.22 to 0.9 mg/kg) was detected in all samples at concentrations above the HHRB action level of 0.2 mg/kg, with only one sample exceeding the UTL of 0.83 mg/kg. All other metals were at concentrations below both UTLs and their respective HHRBs. The manganese and beryllium concentrations may be naturally occurring at Kirtland AFB as discussed in Section 4.2.2.

Soil pH and Moisture

Soil pH ranged from 7.6 to 9.1. Soil moisture values ranged from 6.3 to 15.9 percent (Table 34-3).

34.4.2 ST-245 Analytical Results

Organic Compounds

Acetone and methylene chloride were the only VOC analytes detected in one or more of the soil samples collected at holding tank ST-245. None of these analytes was detected at concentrations exceeding HHRB action levels. These compounds were found in associated QC samples and are believed to be the result of laboratory contamination as discussed in Section 3.5.1. The SVOC phenol was only detected in the replicate 18- to 22-ft sample from ST-245-01. All organic compounds detected are below the HHRB action levels (Table 34-4).

Metals

Beryllium (0.42 to 0.56 mg/kg) was detected in all samples at concentrations below the UTL of 0.83 mg/kg, but above the HHRB action level of 0.2 mg/kg. All other metals were at concentrations below both UTLs and their respective HHRBs (Table 34-4). These beryllium concentrations may be naturally occurring at Kirtland AFB as discussed in Section 4.2.2.

Soil pH and Moisture

Soil pH ranged from 7.7 to 8.5. Soil moisture values ranged from 5.3 to 10.0 percent (Table 34-4).

34.5 Conclusions and Recommendations

Conclusions

- Three VOCs and two SVOCs were detected in soil samples from the two sites. All organic compounds detected were below HHRB action levels.

- Chromium was detected in one sample from the background borehole ST-244-01 above the UTL but below the HHRB of 400 mg/kg. Manganese (422 mg/kg) was detected in the same sample above the HHRB of 400 mg/kg but below the UTL of 435.5 mg/kg.

- Beryllium was detected in all soil samples at concentrations above the 0.2 mg/kg HHRB action level. Only one sample had a beryllium concentration that exceeded the UTL concentration. These concentrations of beryllium appear to be naturally occurring throughout Kirtland AFB, as discussed in Section 4.2.2.

- The analytical results are not indicative of releases from these units.

Recommendations

- Based on the findings of the RFI, no further action is necessary; therefore, Sites ST-244 and ST-245 do not require further investigation. No Further Action proposals should be prepared.

35.0 Site ST-246, Oil/Water Separator and Holding Tank

35.1 Site Background and Environmental Setting

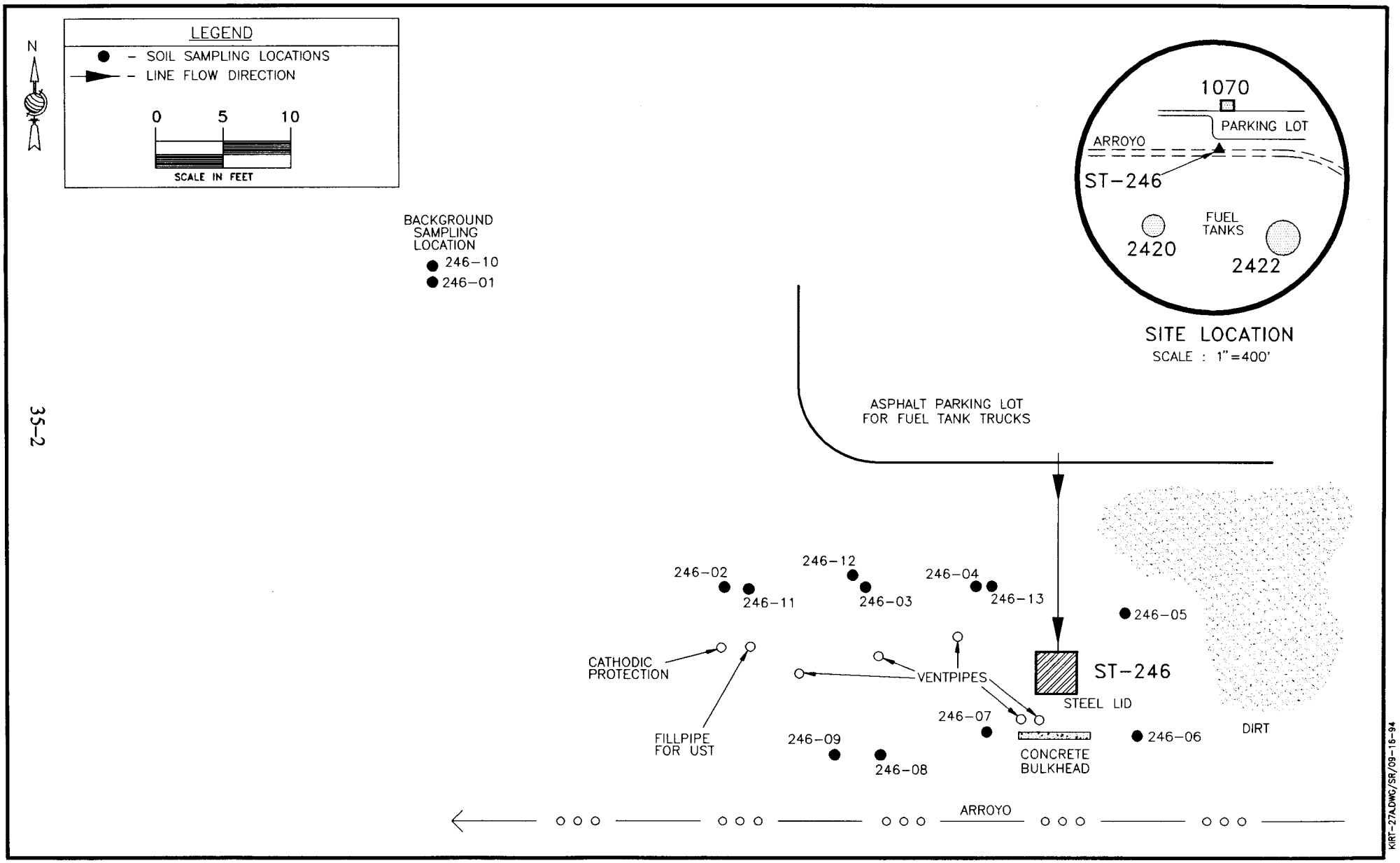
Site ST-246 is located outdoors, on the north side of a drainage ditch, southwest of building 1070 (Figure 35-1). Building 1070 is part of the fuel operations complex of the New Mexico Air National Guard located in the western portion of Kirtland AFB. The OWS is outdoors approximately 5 ft south of the southwest corner of the asphalt-paved fuel tanker parking lot associated with building 1070. The holding tank is approximately 10 ft west of the OWS. The OWS is made of metal and has one steel lid measuring 3 ft square. The full dimensions of the OWS are unknown because a portion of the unit is buried under the north bank of the drainage ditch. According to USGS data, the holding tank has a 5-ft-long filler neck and measures 5 ft in diameter and 14 ft in length. The total capacity of the holding tank is 2,000 gallons (USGS, 1993a). Air Force Civil Engineering Division blueprints indicate the OWS and holding tank system receive drainage from the fuel tanker parking lot area drains and from a floor drain inside building 1070. Oil-phase liquid discharges to the holding tank. According to the USGS, this is a closed system and has no discharge point (USGS, 1993a). During the initial investigation in March 1994, water was observed to flow out under the OWS lid into the adjacent drainage ditch.

While ST-246 was being resampled in July 1994, construction activities were under way to connect the OWS water-phase discharge pipe to a sanitary sewage lateral that will run north-south along the west side of ST-246. The ST-246 OWS and holding tank were investigated on March 25 and March 28, 1994, and resampled on July 7, 1994.

Building 1070 is located in the urban/industrial environmental zone, which is discussed in Section 2.0. The nearest production wells to building 1070 are KAFB-2, located 2,600 ft to the southwest, KAFB-7, located 3,300 ft to the southeast, KAFB-14, located 5,600 ft to the west, KAFB-1, located 5,800 ft to the east, and KAFB-3, located 7,500 ft to the north-northeast (Figure 2-11).

35.2 Study Area Investigation

Possible source materials were not investigated during this study. Previous investigations sampled source materials as described below.



SOIL SAMPLING LOCATIONS AT OIL/WATER SEPARATOR & HOLDING TANK ST-246, BUILDING 1070

FIGURE 35-1

RCRA FACILITY INVESTIGATION STAGE 2B KIRTLAND AIR FORCE BASE, NEW MEXICO

35.2.1 Previous Investigations

In 1990, 1991, and 1992, a Kirtland AFB environmental contractor sampled the contents of the OWS and holding tank. TPH was reported to be 1,209 and 1,890 mg/kg in the 1991 and 1992 samples from the holding tank, respectively. TOX was reported to be 192 and 160 mg/kg in the 1991 and 1992 samples from the holding tank, respectively. TOX was reported to be 106 mg/kg in the 1992 sample from the OWS. A complete report of the laboratory analyses is contained in Appendix B of the Stage 2B Work Plan (USGS, 1993a).

35.2.2 Data Gaps

The main objective of this investigation was to determine if contamination is present in the subsurface soil adjacent to each site. A secondary objective was to determine unit outflow and potential overflow runoff destinations.

35.2.3 RFI Field Investigation

On March 25 and 28, 1994, nine boreholes were drilled and sampled using a Geoprobe system (Figure 35-1). One borehole (ST-246-01) was located approximately 50 ft northwest of the OWS in an area away from any known or suspected contamination to collect background concentration data for these sites. Eight boreholes were drilled in areas adjacent to the OWS and holding tank locations. Two samples were collected for laboratory analysis from each borehole at depths equal to, and 5 ft below the unit's base (i.e., 10 and 15 ft below grade).

On July 7, 1994, four additional boreholes (ST-246-10, -11, -12, and -13) were drilled and sampled at ST-246 using the Geoprobe system. These samples were collected for VOC analysis only. The samples were collected to make up for a laboratory error in performing VOC analysis on the samples collected in March 1994 at boreholes ST-246-01, -02, -03, and -04. These additional boreholes were located in areas as close as possible to the corresponding original borehole locations (Figure 35-1). This second set of samples, or "resamples," was collected at the same depth intervals as the original samples.

Sampling operations and sample handling procedures are described in Section 3.0. Borehole locations, sample depths, and replicate samples collected at ST-246 are listed in Table 35-1. Boreholes logs are in Appendix C.

Table 35-1. Boreholes and Samples Collected at ST-246

Site	Borehole	Borehole Location	Sample Depths (ft)	PID (ppm_v)[a,b]
ST-246	01	Background sampling borehole Northwest of ST-246	10-13	0
			14-16	0
	02	Northwest of holding tank	10-12	8
			15-17	12
			25-27	18
	03	North-center of holding tank	10-14	0
			15-17	0
	04	Northeast of holding tank and northwest of OWS	10-14[c]	0
			15-19	0
	05	Northeast of OWS	10-12	0
			15-17	0
	06	Southeast of OWS	10-12	0
			15-17	0
	07	Southwest of OWS and southeast of holding tank	10-12	0
			15-17	0
	08	South-center of holding tank	10-12	0
			15-17	0
	09	Southwest of holding tank	10-12	0
			15-19[c]	0
	10	Background sampling borehole resample	10-12	0
			15-17	0
	11	1 ft east of ST-246-02	10-12	0
			15-17	0
			25-27	0
	12	1 ft northwest of ST-246-03	10-12	0
			15-17	0
	13	1 ft east of ST-246-04	10-12	0
			15-17	0

a. PID readings are values above background.
b. ppm_v = parts per million volume (ml/L) as isobutylene for the PID readings.
c. Replicate sample also collected at this depth interval.

35.2.4 Laboratory Analysis

Including replicate samples and resamples, 30 soil samples were collected for laboratory analysis at ST-246. Samples were analyzed for VOCs, SVOCs, TPH, metals, mercury (the expected contaminants associated with normal operations at this building), soil pH, and soil moisture. The four brass tubes in each 2-ft sample interval were field screened for possible contamination using gamma and beta-gamma meters and a PID. The brass tube with the highest PID reading was

submitted for VOC analysis. The highest PID reading above background for each sample interval is listed in Table 35-1. Because the PID reading exceeded 5.0 ppm_V above background at the second sample depth interval of ST-246-02 (18.0 ppm_V), a third sample was collected for laboratory analysis at a depth interval 10 ft below that of the second sample. No additional samples were collected following this.

35.3 Site Characteristics

35.3.1 Geology

The building 1070 area is underlain by unconsolidated alluvial sediments. The sediments are predominantly fine-grained sands and very fine-grained to fine-grained silty sands. Caliche was present in all boreholes as light to heavily-stained zones and patches. Clayey silt and brown clay were found at borehole ST-246-02 and resampling borehole ST-246-11, where total depths of 27 ft below grade were attained. Thirteen boreholes were drilled at ST-246. A maximum depth of 27 ft below grade was attained at boreholes ST-246-02 and ST-246-11. No boreholes penetrated into the Santa Fe Group sediments that presumably underlie this area. A discussion of the general geology at Kirtland AFB is presented in Section 2.4.

As a result of OWS and holding tank installation, it is probable that backfill material is present adjacent to each unit to a depth equal to the total depth of each unit. Borehole logs for these areas are presented in Appendix C.

35.3.2 Hydrogeology

Groundwater beneath ST-246 is found within the Upper Santa Fe sediments and is generally thought to be unconfined in the upper portion of the aquifer. This area is within the HR1 saturated zone setting as defined by SNL studies (Figure 2-9) (SNL, 1994). Hydrologic characterization in this portion of Kirtland AFB is complicated by the presence of numerous production wells (Figure 2-11). It is probable that uniform groundwater conditions do not exist in this region. Local cones of depression associated with groundwater withdrawal have altered the groundwater flow direction in the vicinity of the well fields (Figure 2-7).

It is probable that the gradient is northerly in this area. The nearest production wells to this site, KAFB-2, located 2,600 ft to the southwest, and KAFB-7, located 3,300 ft to the southeast, are believed to be upgradient to the site. KAFB-14, located 5,600 ft to the west, and KAFB-1, located 5,800 ft to the east, are believed to be cross gradient to the west and east, respectively. KAFB-3, located 7,500 ft to the north-northeast, is possibly downgradient from ST-246 (Figures 2-7 and 2-11).

Depth to groundwater is estimated to be approximately 350 ft below grade; however, shallower perched water zones may occur (Figure 2-10). Hydraulic conductivity within HR1 is estimated at 2 to 171 ft/day (SNL, 1994). A general discussion of the hydrogeology at Kirtland AFB is presented in Section 2.5.

35.4 Nature and Extent of Contamination

The following section describes the nature and extent of contamination based on sampling results. Analytical results are presented in Table 35-2, where only reportable concentrations are listed. Complete analytical results are presented in Appendix G. Laboratory validation reports are presented in Appendix K.

Organic Compounds

VOC analytes detected in soil samples collected at ST-246 include acetone: chlorobenzene, methylene chloride, methyl ethyl ketone, toluene, and 1,1,1-trichloroethane. None of these compounds was detected at concentrations exceeding HHRB action levels (Table 35-2). Except for 1,1,1-trichloroethane, these compounds were found in associated QC samples and are believed to be the result of laboratory contamination as discussed in Section 3.5.1

No SVOC analytes were detected in soil samples collected at ST-246.

Petroleum Hydrocarbons

Diesel range and gasoline range hydrocarbons were detected in one or more soil samples at ST-246. Gasoline range hydrocarbons were present in three samples at concentrations ranging from 0.14 to 15.0 mg/kg. Diesel range hydrocarbons were detected in 10 samples at concentrations ranging from 0.12 to 17.0 mg/kg. The highest concentrations of TPH (15.0 mg/kg for gasoline range organics, 17.0 mg/kg for diesel range organics) were detected in the 14-to 16-ft sample from the background borehole ST-246-01. These concentrations did not exceed the NMED action level of 100 mg/kg for petroleum hydrocarbons (Table 35-2).

Metals

Arsenic, beryllium, and manganese were detected in soil samples at concentrations above the HHRB action levels. Arsenic was present in two samples at 7.4 and 9.7 mg/kg, exceeding the HHRB action level of 0.39 mg/kg. Beryllium was detected in the 19 original samples at concentrations ranging from 0.43 to 1.8 mg/kg. Six detections were also above the 0.83 mg/kg UTL concentration. Manganese was present in three samples at concentrations above the HHRB of 400 mg/kg. No other

Table 35-2. Summary of Reportable Concentrations for Soil Analyses at OWS and Holding Tank ST-246, Bldg. 1070, Kirtland AFB, New Mexico[Ψ,1]
[Concentrations (mg/kg)]

Chemical Class	Analyte	PQL / UTL	HHRB Action Level[2]	Borehole Number and Sample Depth Interval (ft)											
				ST-246-01		*ST-246-02*			*ST-246-03*		*ST-246-04*			*ST-246-05*	
				10-13	14–16	10–12	15–17	25–27	10–14	15–17	10–14	10–14 FR	15–19	10–12	15–17
VOC	Acetone	0.1	8000	ND	0.034 U	0.022 J	0.017 J	0.02 J	0.013 J	0.015 J	0.009 J	0.009 J	0.01	0.01 J	0.019
	Chlorobenzene	0.005	2160	ND	ND	0.002	ND	ND	ND	ND	ND	ND	0.002	ND	ND
	Methyl Ethyl Ketone	0.1	48000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methylene Chloride	0.005	93.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Toluene	0.005	16000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane	0.005	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TPH	Diesel Fraction	10	100	17	16	0.64	0.33	0.86	ND	0.29	1.1	ND	0.12	ND	ND
	Gasoline Fraction	1	100	ND	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
METALS	Aluminum	13300	N/A	8190	13800	4500	7140	24400	4480	15500	6480	8620	8750	15000	22000
	Arsenic	N/A	0.4	ND	ND UJ	ND	ND	ND	ND	9.7	7.4	ND	ND	ND	ND
	Barium	496	5600	70.3	65.3	68.8	46.5	113	26.0	1170	366	126	84.5	517	75.1
	Beryllium	0.83	0.2	0.43	0.8 U	0.32	0.54	1.8	0.31	1.0	0.45	0.56	0.61	0.88	1.4
	Cadmium	N/A	40	ND	ND	ND	ND	ND	ND	0.75	ND	ND	ND	ND	0.71
	Calcium	119000	N/A	34000	41300	25800	12700	50800	9020	53800	56200	79800	23500	55200	53300
	Chromium, Total	14.9	400	9.2	14.1	4.5	9.8	21.3	6.4	19.3	6.2	9.4	8.6	15.5	18.4
	Cobalt	11.3	N/A	6.0	8.2	3.9	5.0	13.0	4.1	9.2	4.5	6.9	7.0	9.6	13.2
	Copper	135	N/A	24.9	21.5	12.1	270	22.1	5.4	28.4	26.8	15.3	53.9	35.1	24.6
	Iron	20900	N/A	11400	16400	6700	11600	25600	7840	21900	8030	14200	13100	18800	24400
	Lead	22.9	400	4.9	10.5	ND	5.0	16.6	ND	10.0	ND	7.1	5.7	9.3	15.1
	Magnesium	8730	N/A	4440	7100	2740	3690	10200	2090	9020	5030	5280	5250	7480	10300
	Manganese	435	400	186	316	117	158	609	102	392	109	244	247	365	553
	Nickel	54.4	1600	6.9	14.1	3.3	9.0	21.3	3.3	18.4	4.9	9.7	10.3	15.4	23.0
	Potassium	2730	N/A	1460	2210	874	1360	4250	914	2140	950	1740	1520	2210	3120
	Sodium	519	N/A	304	550	68.4	228	686	56.9	453	110	155	323	581	740
	Vanadium	49.2	720	22.3	27.6	15.4	19.2	45.7	14.2	34.6	36.2	28.5	22.8	33.6	38.9
	Zinc	81.6	24000	39.1	59.4	24.5	131	67.3	16.7	67.4	41.1	44.0	73.6	66.4	64.3
OTHER	Moisture (%)			6.4	13.0	6.7	7.9	27.2	4.1	19.7	11.1	11.0	17.4	9.0	14.1
	pH			8.7	8.4	8.3	8.7	8.5	8.2	8.6	8.2	8.2	8.4	8.1	8.6

Ψ Complete table footnotes can be found after the last table in this section.

Chemical Class	Analyte	PQL / UTL	HHRB Action Level[2]	Borehole Number and Sample Depth Interval (ft)										
				ST-246-06		*ST-246-07*		*ST-246-08*		*ST-246-09*			*ST-246-10*	
				10–12	15–17	10–12	15–17	10–12	15–17	10–12	15–19	15–19 FR	10–12	15–17
VOC	Acetone	0.1	8000	0.013	0.01 U	0.015	0.005	0.01	0.008	0.007	0.006	0.005	ND RE	0.0062 J RE
	Chlorobenzene	0.005	2160	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND RE	ND RE
	Methyl Ethyl Ketone	0.1	48000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND RE	ND RE
	Methylene Chloride	0.005	93.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0068 RE	0.0065 RE
	Toluene	0.005	16000	ND	ND	ND	ND	ND	ND	ND	ND	ND	NDRE	ND RE
	1,1,1-Trichloroethan	0.005	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND RE	0.0019 J RE
TPH	Diesel Fraction	10	100	ND	ND	ND	0.26	ND	ND	ND	ND	0.11	--	--
	Gasoline Fraction	1	100	0.63	0.14	ND	ND	ND	ND	ND	ND	ND	--	--
METALS	Aluminum	13300	N/A	12400	10400 J	8870	6850	12500	13000	13900	13300	7630	--	--
	Arsenic	N/A	0.4	ND	ND UJ	ND	ND	ND	ND	ND	ND	ND	--	--
	Barium	496	5600	779	61.4	122	70.7	216	95.3	127	1300	50.1	--	--
	Beryllium	0.83	0.2	0.82	0.67 U	0.55	0.46	0.81	0.89	1.0	0.91	0.46	--	--
	Cadmium	N/A	40	ND	ND	ND	ND	0.81	ND	ND	ND	ND	--	--
	Calcium	119000	N/A	37300	29300 J	31200	82000	38400	51000	37300	42800	95400	--	--
	Chromium, Total	14.9	400	14.0	9.2 J	8.9	5.1	11.8	10.8	12.8	12.1	7.7	--	--
	Cobalt	11.3	N/A	9.0	5.3	8.1	4.0	9.6	6.8	10.2	6.1	2.8	--	--
	Copper	135	N/A	32.0	27.5 J	33.5	19.7	39.1	13.8	18.7	18.4	6.7	--	--
	Iron	20900	N/A	19100	12600 J	15100	8040	17200	13300	18800	13800	8450	--	--
	Lead	22.9	400	8.9	10.3	8.1	6.2	9.4	11.2	12.3	9.4	6.2	--	--
	Magnesium	8730	N/A	7290	4340	6200	3790	7570	5070	7950	5030	4790	--	--
	Manganese	435	400	360	221	339	119	370	245	433	189	95.9	--	--
	Nickel	54.4	1600	13.4	9.6	11.2	5.5	13.9	13.5	19.9	13.1	6.3	--	--
	Potassium	2730	N/A	2250	1770 J	1830	1160	1920	1810	2160	1850	1170	--	--
	Sodium	519	N/A	119	120 J	107	122	127	112	139	122	125	--	--
	Vanadium	49.2	720	34.3	24.2 J	27.3	16.1	31.0	25.4	29.3	26.1	19.8	--	--
	Zinc	81.6	24000	65.4	44.3 J	64.6	32.9	76.6	35.9	51.7	48.9	21.5	--	--
OTHER	Moisture (%)			14.7	10.8	9.9	13.3	13.8	10.1	11.4	11.9	13.2	10 RE	12 RE
	pH			8.1	8.2	8.2	8.1	8.2	8.2	8.4	8.3	7.8	--	--

Ψ Complete table footnotes can be found after the last table in this section.

Chemical Class	Analyte	PQL UTL	HHRB Action Level[2]	Borehole Number and Sample Depth Interval (ft)						
				ST-246-11			*ST-246-12*		*ST-246-13*	
				10–12	15–17	25–27	10–12	15–17	10–12	15–17
VOC	Acetone	0.1	8000	0.013 RE	0.019 RE	ND RE	0.014 RE	0.0083 J RE	ND RE	0.025 RE
	Chlorobenzene	0.005	2160	ND RE	ND RE	ND RE	ND RE	ND RE	ND RE	ND RE
	Methyl Ethyl Ketone	0.1	48000	ND RE	ND RE	ND RE	0.0042 J RE	ND RE	ND RE	ND RE
	Methylene Chloride	0.005	93.3	0.0067 RE	0.0072 RE	0.0071 RE	0.0058 RE	0.008 RE	0.004 RE	0.0039 RE
	Toluene	0.005	16000	ND RE	0.0021 RE	ND RE	0.0018 J RE	ND RE	ND RE	ND RE
	1,1,1-Trichloroethane	0.005	N/A	ND RE	ND RE	ND RE	ND RE	ND RE	ND RE	ND RE
TPH	Diesel Fraction	10	100	--	--	--	--	--	--	--
	Gasoline Fraction	1	100	--	--	--	--	--	--	--
METALS	Aluminum	13300	N/A	--	--	--	--	--	--	--
	Arsenic	N/A	0.4	--	--	--	--	--	--	--
	Barium	496	5600	--	--	--	--	--	--	--
	Beryllium	0.83	0.2	--	--	--	--	--	--	--
	Cadmium	N/A	40	--	--	--	--	--	--	--
	Calcium	119000	N/A	--	--	--	--	--	--	--
	Chromium, Total	14.9	400	--	--	--	--	--	--	--
	Cobalt	11.3	N/A	--	--	--	--	--	--	--
	Copper	135	N/A	--	--	--	--	--	--	--
	Iron	20900	N/A	--	--	--	--	--	--	--
	Lead	22.9	400	--	--	--	--	--	--	--
	Magnesium	8730	N/A	--	--	--	--	--	--	--
	Manganese	435	400	--	--	--	--	--	--	--
	Nickel	54.4	1600	--	--	--	--	--	--	--
	Potassium	2730	N/A	--	--	--	--	--	--	--
	Sodium	519	N/A	--	--	--	--	--	--	--
	Vanadium	49.2	720	--	--	--	--	--	--	--
	Zinc	81.6	24000	--	--	--	--	--	--	--
OTHER	Moisture (%)			11 RE	22 RE	25 RE	12 RE	18 RE	14 RE	9 RE
	pH			--	--	--	--	--	--	--

Ψ Complete table footnotes can be found after the last table in this section.

1 Complete laboratory analytical results including method detection limits are presented in the ITIR appendices.

2 Action Level Proposed Rule RCRA Subpart S Action Levels (55 FR 30814, 7/27/90).

*; TPH action level is 100 mg/kg adopted from NM UST regulations (USGS 2B Work Plan 3.6, NM EI Board, 1990). SW-8015 analyzes volatile and semivolatile petroleum hydrocarbon fractions separately. The total concentration of the two fractions analyzed under 8015 will be used to assess compliance with stipulated action levels for the purpose of this RFI.

PQL; Practical Quantitation Limits (defines VOC, SVOC and TPH).

pCi/g; Picocuries per gram.

VOC; Volatile Organic Compounds.

TPH; Total Petroleum Hydrocarbons.

RAD; Radionuclides.

ND; Not Detected above the method detection limit.

U; Accept data (positive results may be influenced by lab contamination).

RE; Resample.

NA; Not Analyzed

UTL; Upper Tolerance Limits (defines METALS).

HHRB; Human Health Risk Based.

SVOC; Semivolatile Organic Compounds.

FR; Field Replicate.

UJ; Estimated Nondetect.

J; Estimated value.

R; Reject NDs due to interference.

--; No Data.

metals were detected at levels exceeding HHRB action levels (Table 35-2). These concentrations of arsenic, beryllium, and manganese may be naturally occurring at Kirtland AFB as discussed in Section 4.2.2.

Soil pH and Moisture

Soil pH ranged from 7.8 to 8.7. Soil moisture values ranged from 4.1 to 27.2 percent (Table 35-2).

35.5 Conclusions and Recommendations

Conclusions

- Six VOCs were detected in soil samples at ST-246. No VOC concentrations exceeded HHRB action levels. No SVOC analytes were detected at ST-246.
- Diesel range hydrocarbons were detected in 10 samples and gasoline range hydrocarbons were detected in three samples. No gasoline or diesel range hydrocarbon concentrations exceeded the NMED action level of 100 mg/kg.
- Arsenic, beryllium, and manganese concentrations exceeded HHRB action levels in one or more samples at ST-246. These concentrations appear to be naturally occurring at Kirtland AFB.

Recommendations

- Based on the findings of the RFI, no further action is necessary; therefore, ST-246 does not require further investigation. A No Further Action proposal should be prepared.

36.0 Site ST-247, Oil/Water Separator

36.1 Site Background and Environmental Setting

OWS ST-247 is in the western portion of Kirtland AFB outdoors south of building 1051 and west of building 2637 in the New Mexico Air National Guard complex (Figure 36-1). The OWS is made of concrete, has a metal cover with circular openings, and is 6.5 ft long, 4.5 ft wide, and 3 ft deep. It drains an aircraft wash rack pad. The wash rack is a concrete slab about 75 ft square, with a 6-in.-high berm on three sides. Discharge from this unit flows approximately 170 ft northeast into OWS ST-235 at building 1051. ST-235 discharges eastward and joins the sanitary sewer system located south of building 1060 (Section 30.0).

ST-247 was investigated on May 26, 1994. Rainfall during the investigation was heavy enough at one point to cause local flooding at the wash rack and at area drains ST-228 and ST-237 to the north (Sections 26.0 and 30.0). The probability that the bermed wash rack pad could fill enough to overflow onto the surrounding area is low. Such an occurrence would require prolonged, heavy rainfall. If overflow did occur, drainage would most likely flow northeast towards area drain ST-237.

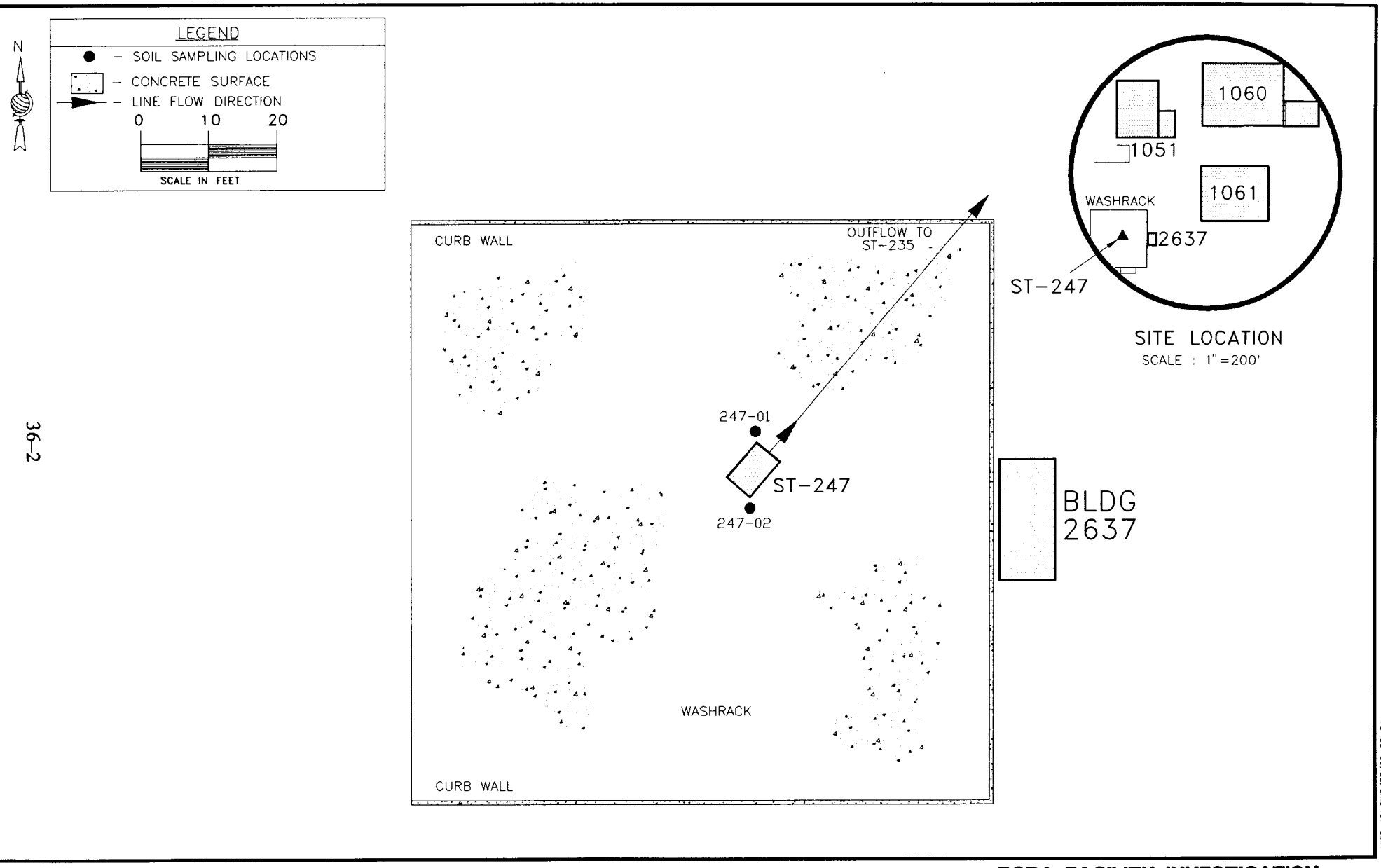
ST-247 is located in the urban/industrial environmental zone, which is discussed in Section 2.0. Four production wells are located in this area of Kirtland AFB. Well KAFB-1 is 4,600 ft east, KAFB-7 is 2,900 ft southeast, KAFB-2 is 3,600 ft southwest, and KAFB-14 is 6,700 ft west (Figure 2-11).

36.2 Study Area Investigation

Possible source materials were not investigated in this study. Previous investigations sampled source materials as described below.

36.2.1 Previous Investigations

In 1990, 1991, and 1992, a Kirtland AFB environmental contractor sampled material (water and sediment) present in OWS ST-247. Reportable analytes are summarized in Table 36-1. Full results for these samplings are presented in Appendix B of the USGS Stage 2B Work Plan (USGS, 1993a).



36-2

KIRT-40A.DWG/SR/08-30-94

SOIL SAMPLING LOCATIONS AT OIL/WATER SEPARATOR ST-247, BUILDING 2637

FIGURE 36-1

RCRA FACILITY INVESTIGATION STAGE 2B KIRTLAND AIR FORCE BASE, NEW MEXICO

Table 36-1. Reportable Analytes in Oil/Water Separator ST-247, Building 2637

Site	TPH (mg/kg)		TOX (mg/kg)	Lead (mg/kg)	Selenium (mg/kg)
	1990	1992	1992	1992	1992
ST-247	8,100	458	625	32.4	1.4

36.2.2 Data Gaps

The main objective of this investigation was to determine if contamination is present in the subsurface soil adjacent to OWS ST-247. A secondary objective was to determine the outflow and potential overflow runoff destinations for this unit.

36.2.3 RFI Field Investigation

On May 26, 1994, two boreholes were drilled and sampled using a Geoprobe system. One borehole, ST-247-01, was drilled as close as possible to the OWS outflow pipe. This borehole was also situated on top of some cracks and near a construction joint in the concrete wash rack slab. These features might serve as vertical pathways for fluid migration from the wash rack. Since no distinct inflow point to OWS ST-247 exists, the second borehole was drilled on the side opposite the outflow point (Figure 36-1). Two sample intervals were collected in each borehole; one at a depth equal to, and the other 5 ft below the OWS base (i.e., 3 and 8 ft). A noticeable solvent odor, along with elevated PID and FID field screening instrument readings, indicated possible contamination in the upper portion of ST-247-01. The odor was strongest and the readings were highest (20 ppm_v and 30 ppm_v for the PID and FID, respectively) in a lithology sample collected just beneath the concrete slab. Drilling continued deeper until no evidence of contamination was detected with the field screening instruments. An additional sample was then collected at 18 ft below grade.

Borehole ST-241-01, sampled during the investigation of OWS ST-241 at building 1061 (Figure 32-1), was used for background concentration data for ST-247 and ST-241. This location was assumed to be in an area away from any known or suspected contamination.

Sampling operations and sample handling procedures are described in Section 3.0. Borehole locations and sample depths for samples collected at OWS ST-247 are shown in Table 36-2. Borehole logs are in Appendix C.

36.2.4 Laboratory Analysis

Five soil samples were collected at this site. These samples were analyzed for VOCs, SVOCs, TPH, metals, mercury (the expected contaminants associated with normal operations at this building), soil pH, and soil moisture. The four brass tubes in each 2-ft sample interval were field screened for possible contamination using gamma and beta-gamma meters, a PID, and an FID. Elevated PID and FID readings were measured in samples collected for lithologic description and laboratory analysis in the upper 15 to 16 ft of borehole ST-247-01. The brass tube with the highest PID/FID reading measured in the sample interval was submitted for VOC analysis. The highest reading measured for the sample interval is listed in Table 36-2.

Table 36-2. Boreholes and Samples Collected at OWS ST-247, Building 2637

Site	Borehole	Borehole Location	Sample Depths (ft)	PID/FID (ppm_v)[a,b]
ST-247	01	Near OWS outflow and cracks in wash rack slab	3-5	3/0.5
			8-10	2/0
			18-20	0/0
	02	Near OWS outflow	3-5	ND
			8-10	ND

a. PID and FID readings are values above background values.
b. ppm_v = parts per million volume (ml/L), as isobutylene for the PID and as methane for the FID.
ND = Not Detected

36.3 Site Characteristics

36.3.1 Geology

The wash rack area is underlain by unconsolidated alluvial sediments. The sediments are predominantly very fine-grained to fine-grained sands and silty sands. A caliche-cemented layer about 2 ft thick was observed in the upper part of borehole ST-247-02. Caliche was present in all boreholes as light to heavily stained zones and patches. Two boreholes, one 10 ft deep and one 20 ft deep, were drilled at the wash rack. No borehole penetrated into the Santa Fe Group sediments that presumably underlie this area. A discussion of the general geology at Kirtland AFB is presented in Section 2.4.

As a consequence of wash rack construction and OWS installation, it is probable that backfill material is present to a depth of several feet in this area. Borehole logs for this site are presented in Appendix C.

36.3.2 Hydrogeology

Groundwater beneath this area is found within the Upper Santa Fe sediments and is generally thought to be unconfined in the upper portion of the aquifer. This area is within the HR1 saturated zone setting as defined by SNL studies (Figure 2-9) (SNL, 1994). Hydrologic characterization in this portion of Kirtland AFB is complicated by the presence of numerous production wells (Figure 2-11). It is probable that uniform groundwater conditions do not exist in this region. Local cones of depression associated with groundwater withdrawal have altered the groundwater flow direction in the vicinity of the well fields (Figure 2-7).

It is probable that the gradient is northerly in this area. Four production wells are located in this area of Kirtland AFB. Well KAFB-1 is cross gradient about 4,600 ft east, KAFB-7 is upgradient about 2,900 ft southeast, KAFB-2 is believed to be upgradient 3,600 ft southwest, and KAFB-14 is cross gradient 6,700 ft west (Figures 2-7 and 2-11). Depth to groundwater is estimated to be approximately 350 ft below grade; however, shallower perched water zones may occur (Figure 2-10). Hydraulic conductivity in the vicinity of HR1 is estimated at 2 to 171 ft/day (SNL, 1994). A general discussion of the hydrogeology at Kirtland AFB is presented in Section 2.5.

36.4 Nature and Extent of Contamination

The following section describes the extent of contamination based on sampling results. Analytical results for soil samples at OWS ST-247 are summarized in Table 36-3, where only the reportable concentrations are listed. Full analytical results are presented in Appendix G. Laboratory validation reports are presented in Appendix K.

Organic Compounds

The following VOC analytes were detected in one or more of the soil samples collected at ST-247: acetone, methyl ethyl ketone, methylene chloride, and toluene. Acetone (0.0031 to 0.017 mg/kg) and methylene chloride (0.0031 to 0.0056 mg/kg) were detected in all samples at this site. Methyl ethyl ketone (0.0048 mg/kg) was found only in the 3- to 5-ft sample interval at ST-247-01. Toluene (0.0047 mg/kg) was found only in the 3-to 5-ft sample interval at ST-247-02. This detection is below the HHRB action level of 16,000 mg/kg (Table 36-3). These compounds were also found in associated QC samples and are believed to be the result of laboratory contamination as discussed in Section 3.5.1.

Table 36-3. Summary of Reportable Concentrations for Soil Analyses at OWS ST-247, Bldg. 2637, Kirtland AFB, New Mexico[Ψ,1]
[Concentrations (mg/kg)]

Chemical Class	Analyte	PQL UTL	HHRB Action Level[2]	Borehole Number and Sample Depth Interval (ft)				
				ST-247-01			*ST-247-02*	
				3–5	8–10	18–20	3–5	8–10
VOC	Acetone	0.1	8000	0.017	0.0035 J	0.0087 J	0.0082 J	0.0031 J
	Methyl Ethyl Ketone	0.1	48000	0.0048 J	ND	ND	ND	ND
	Methylene Chloride	0.005	93.3	0.0056	0.0035	0.0048	0.0039	0.0031 J
	Toluene	0.005	16000	ND	ND	ND	0.0047	ND
SVOC	Phenol	0.3	48000	0.310	ND	ND	ND	ND
TPH	Diesel Fraction	10	100	1.1	0.42	0.45	0.2	0.37
	Gasoline Fraction	1	100	0.61	0.26	ND	0.29	0.29
METALS	Aluminum	13300	N/A	6940	4080	9480	8930	4680
	Arsenic	N/A	0.4	10.3	ND	ND	ND	ND
	Barium	496	5600	181	65.9	146	203	43.3
	Beryllium	0.83	0.2	0.45	0.31	0.67	0.58	0.33
	Calcium	119000	N/A	65900	18000	33600	84800	4650
	Chromium, Total	14.9	400	15.1	9.7	15.8	14.2	8.4
	Cobalt	11.3	N/A	5.3	5.8	7.9	5.9	3.0
	Copper	135	N/A	18.0	62.9	31.5	23.5	29.2
	Iron	20900	N/A	11000	11400	18100	13000	8910
	Lead	22.9	400	7.8	5.1	8.1	6.4	5.4
	Magnesium	8730	N/A	5650	3160	6840	7080	2610
	Manganese	435	400	174	208	359	225	142
	Nickel	54.4	1600	8.7	4.3	14.9	7.8	3.4
	Potassium	2730	N/A	820	982	1400	1170	880
	Sodium	519	N/A	171	270	594	149	96.1
	Vanadium	49.2	720	32.0	21.9	31.9	38.4	18.4
	Zinc	81.6	24000	30.1	43.8	51.7	36.1	30.6
OTHER	Moisture (%)			11.9	4.2	10.6	13.9	9.6
	pH			8.3	8.8	8.5	8.1	8.2

Ψ Complete table footnotes can be found at the end of this section.

1 Complete laboratory analytical results including method detection limits are presented in the ITIR appendices.

2 Action Level Proposed Rule RCRA Subpart S Action Levels (55 FR 30814, 7/27/90).

*; TPH action level is 100 mg/kg adopted from NM UST regulations (USGS 2B Work Plan 3.6, NM EI Board, 1990). SW-8015 analyzes volatile and semivolatile petroleum hydrocarbon fractions separately. The total concentration of the two fractions analyzed under 8015 will be used to assess compliance with stipulated action levels for the purpose of this RFI.

PQL; Practical Quantitation Limits (defines VOC, SVOC and TPH).

pCi/g; Picocuries per gram.

VOC; Volatile Organic Compounds.

TPH; Total Petroleum Hydrocarbons.

RAD; Radionuclides.

ND; Not Detected above the method detection limit.

U; Accept data (positive results may be influenced by lab contamination).

RE; Resample.

NA; Not Analyzed

UTL; Upper Tolerance Limits (defines METALS).

HHRB; Human Health Risk Based.

SVOC; Semivolatile Organic Compounds.

FR; Field Replicate.

UJ; Estimated Nondetect.

J; Estimated value.

R; Reject NDs due to interference.

--; No Data.

The only SVOC detected at this site was phenol (0.31 mg/kg). It was detected only in the 3- to 5-ft sample interval of borehole ST-247-01 (Table 36-3). This concentration is below the HHRB action level of 48,000 mg/kg. The background sampling borehole, ST-241-01, also contained phenol (0.2 mg/kg) in the 3- to 5-ft sample. Both background samples at ST-241 contained di-n-butyl phthalate, but this was not detected at Site ST-247.

Petroleum Hydrocarbons

Diesel range hydrocarbons were detected in all soil samples at this site. The concentrations at ST-247 ranged from 0.2 to 1.1 mg/kg. Gasoline range hydrocarbons were detected in all but the 18 to 20 ft sample interval of ST-247-01 and ranged in concentration from ND to 0.61 mg/kg (Table 36-3). These concentrations did not exceed the NMED action level of 100 mg/kg.

Metals

Table 36-3 lists all reportable metal concentrations detected at ST-247. Chromium was detected in all the soil samples at Site ST-247. The concentrations in the 3- to 5-ft and 18- to 20-ft samples from borehole ST-247-01 (15.1 and 15.8 mg/kg respectively) were above the 14.9 mg/kg UTL, but below the HHRB action level of 400 mg/kg.

Arsenic was detected only in the 3- to 5-ft sample from borehole ST-247-01. The concentration of 10.3 mg/kg measured in this sample exceeds the HHRB action level of 0.4 mg/kg, but is similar to the 7.2 mg/kg measured in the 8- to 10-ft sample from the background sampling borehole ST-241-01. Beryllium was detected in all samples at concentrations below the UTL of 0.83 mg/kg but above the HHRB action level of 0.2 mg/kg. These concentrations of arsenic and beryllium may be naturally occurring throughout Kirtland AFB as discussed in Section 4.2.2.

Soil pH and Moisture

Soil pH ranged from 8.1 to 8.8. Soil moisture values ranged from 4.2 to 13.9 percent (Table 36-3).

36.5 Risk Characterization Summary

A baseline human health risk assessment for site ST-247 was conducted according to the methods outlined in Section 3.6. All calculations to support this risk assessment are provided in Appendix H.

Arsenic was the only potential constituent of concern found at concentrations in excess of HHRB action levels in the soil at this site. Five soil samples were collected from this site and used for the risk characterization. The data set for arsenic was evaluated and found to have a normal sample

distribution. The 95-percent UCL was calculated as 9.214 mg/kg. Arsenic is classified with an "A" weight of evidence, meaning that it is classified as a human carcinogen.

The arsenic reference dose of 0.0003 mg/kg/day and a cancer slope factor of 1.8 $(mg/kg\text{-}day)^{-1}$ were used to calculate the corresponding hazard quotient and lifetime cancer risk as discussed in Section 3.6. Several exposure scenarios were considered and the carcinogenic and noncarcinogenic risks were evaluated for the "worst-case" scenario (future residential land use) for the incidental soil ingestion from this site. The hazard quotients generated for the adult and child were 0.04 and 0.4, respectively. The hazard index calculated for arsenic (0.4) from incidental soil ingestion at this site was less than unity. Because the hazard quotient is less than the USEPA acceptable limit of 1.0 (unity) noncarcinogenic health risks are not expected to be associated with this exposure scenario.

The cancer risk calculated for arsenic assuming incidental soil ingestion at Site ST-247 was 3×10^{-5}. The USEPA has generally defined risks in the range of 10^{-4} to 10^{-6} as being acceptable for most hazardous waste facilities addressed under CERCLA. Therefore, carcinogenic risk is not likely to be associated with the exposure scenario.

36.6 Conclusions and Recommendations

Conclusions

- Several VOCs were detected. All concentrations did not exceed HHRB action levels. The SVOC phenol was present in one sample at a concentration below the HHRB action level.

- Up to 1.1 mg/kg of diesel range and 0.61 mg/kg of gasoline range petroleum hydrocarbons were detected in soil samples at ST-247. All concentrations detected are below the NMED action level of 100 mg/kg.

- Arsenic in one sample and beryllium in all samples were the only metals detected at concentrations above the HHRB action levels. These concentrations of beryllium appear to be naturally occurring throughout Kirtland AFB as discussed in Section 4.2.2.

- A baseline risk assessment was performed at Site ST-247 to determine hypothetical carcinogenic and noncarcinogenic health risks from arsenic present in the soil. A future residential land use scenario ("worst-case") was evaluated for the incidental ingestion of soil by child and adult residents. The Hazard Index was determined to be less than 1.0; therefore, noncarcinogenic health risks are not likely to be associated with this exposure scenario. The carcinogenic risk was determined to be 3×10^{-5}, which is within the USEPA acceptable risk range.

- ST-247 analytical results are not indicative of a release from this unit.

Recommendations

- Based on the results of the RFI, no further action is necessary; therefore, Site ST-247 does not require further investigation. A No Further Action proposal should be prepared.

37.0 Site ST-248, Oil/Water Separator; ST-249, Used Oil Underground Storage Tank

37.1 Site Background and Environmental Setting

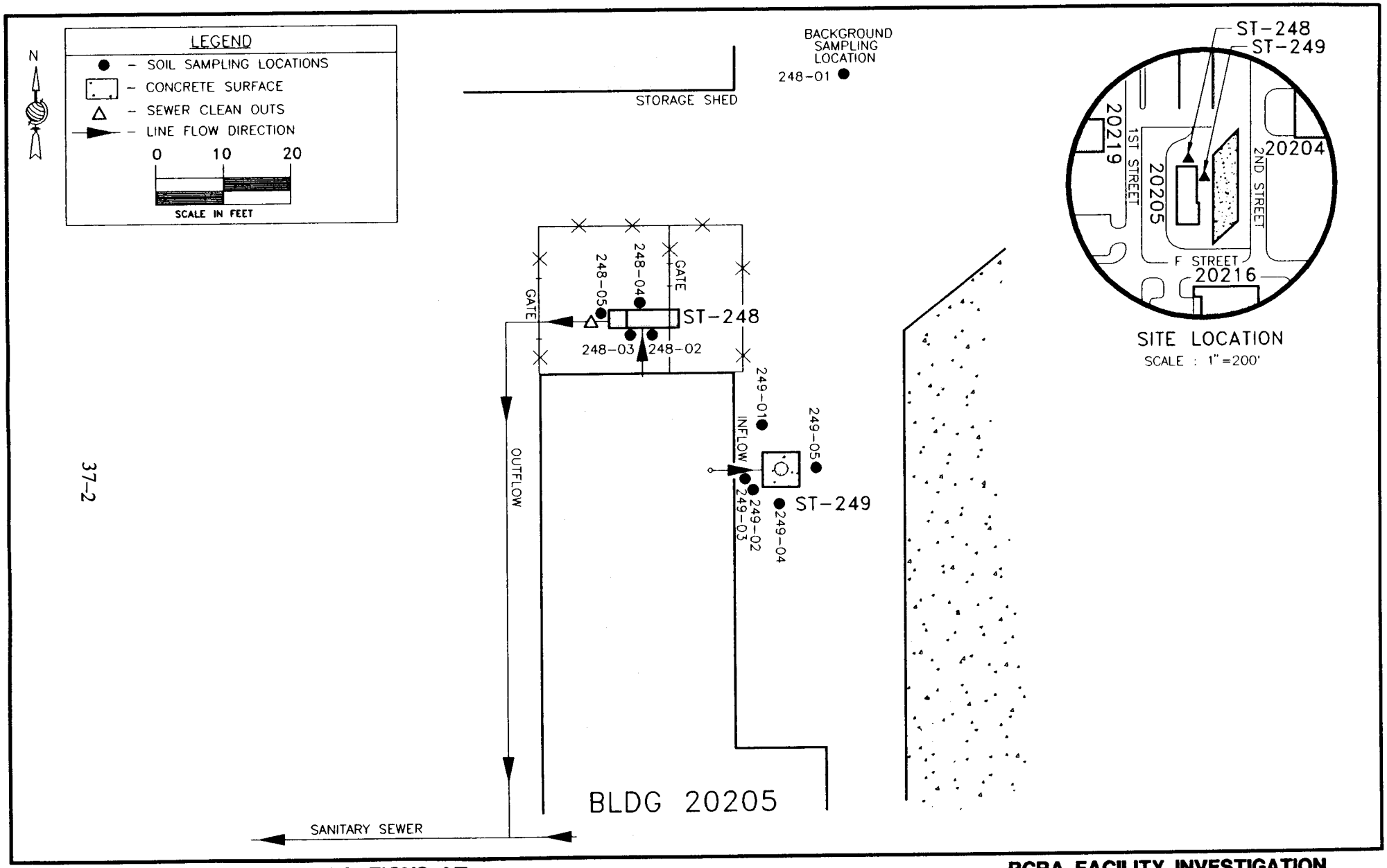
Both sites are located in the western portion of the Kirtland AFB at building 20205, the west base gasoline and service station. OWS ST-248 is located on the north end of building 20205 inside a fenced and roofed area. Used oil UST ST-249 is outside on the east side of the building (Figure 37-1). ST-248 and ST-249 were investigated on June 3 and June 6-7, 1994. ST-249 will be removed under the KAFB UST Program in 1994.

OWS ST-248 is made of concrete measuring 9.2 ft long, 2.5 ft wide, and 3 ft deep with a metal grate cover on the east end and a metal cover on the west end. The unit receives inflow from the surface area adjacent to the unit and floor drains inside building 20205. OWS ST-248 discharges west and turns south to a sanitary sewer lateral (Figure 37-1).

Used oil UST ST-249, also listed as ST-200 in the Kirtland AFB RCRA Permit B, Stage 2C Appendix III Sites, is used for waste engine oil storage and disposal. The UST is filled and emptied through a standpipe covered by a 1-ft-diameter manhole. It also receives inflow from a drain inside the station service bays. The tank has a 500-gallon capacity and is 4 ft long and 4 ft wide. The base was measured to be 6 ft below grade. Currently, the tank is used by station personnel and also serves as an unsupervised used oil collection point for Kirtland AFB personnel. During the Kirtland AFB sampling activities, personnel arrived with various containers and discharged the contents down the standpipe into the UST. A sign posted on the building wall next to the tank area states that only motor oil is acceptable for disposal into the tank. Station personnel, who periodically measure the tank level, contact a subcontractor to pump out the used oil when the tank is full. In 1991, the tank passed a leak test capable of detecting leaks as low as 0.05 gallons per hour with a 97-percent detection probability (USGS, 1993a).

The probability that these units would overflow onto the surrounding area is low. If overflow were to occur, runoff from the OWS would probably drain north to an asphalt alley, and overflow from the used oil UST would pool on the surrounding asphalt.

Building 20205 is in the urban/industrial environmental zone, which is discussed in Section 2.0. Two production wells are located near these sites. Well KAFB-1 is 2,400 ft southwest, and well KAFB-3 is 4,400 ft north-northwest (Figure 2-11).



SOIL SAMPLING LOCATIONS AT OIL/WATER SEPARATOR ST-248, AND UNDERGROUND STORAGE TANK ST-249, BUILDING 20205

FIGURE 37-1

RCRA FACILITY INVESTIGATION STAGE 2B KIRTLAND AIR FORCE BASE, NEW MEXICO

37.2 Study Area Investigation

Possible source materials were not investigated. Previous investigations sampled source materials as described below.

37.2.1 Previous Investigations

In 1991 and 1992, a Kirtland AFB environmental contractor sampled materials present in these units. Table 37-1 shows analytes with reportable concentrations. In 1992, ST-248 contained lead and chromium above the RCRA toxicity limits set for TCLP analysis, and ST-249 contained chromium, lead, and selenium above the limits. Full results for these samplings are presented in Appendix B of the USGS Stage 2B Work Plan (USGS, 1993a).

Table 37-1. Reportable Analytes in OWS ST-248 and UST ST-249, Building 20205

Analyte	Year	ST-248	ST-249
TPH (mg/kg)	1991	79,000	422,000
	1992	832	33,000
TOX (mg/kg)	1991	631	488
	1992	1,600	904
Chromium (mg/kg)	1992	11.3	6.3
Selenium (mg/kg)	1992	ND	1.3
Lead (mg/kg)	1992	18.8	29.4

ND = Not Detected.

37.2.2 Data Gaps

The main objective of this investigation was to determine if contamination is present in the subsurface soil adjacent to these sites. A secondary objective was to determine unit outflows and potential surface runoff destinations.

37.2.3 RFI Field Investigation

Ten boreholes were drilled and sampled using a Geoprobe system on June 3 and June 6-7, 1994. One borehole was located north-northeast of building 20205 in an area away from any known or suspected contamination to collect background concentration data for these sites. Sampling operations and sample handling procedures are described in Section 3.0. The boreholes at ST-248 were located as close as possible to the inflow and outflow piping. The boreholes at ST-249 were drilled to characterize the soil adjacent to the UST. Two sample intervals were collected in each borehole; one at a depth equal to, and the other 5 ft below the OWS' base (i.e., 3 and 8 ft). The UST

sample intervals were at depths of 3 and 10 ft below the unit's base (i.e., 9 and 16 ft). Borehole ST-249-02 was drilled near the fill pipe to determine if surface spills had contaminated the shallow subsurface. Low readings with the PID and FID were detected in the four deep boreholes at UST ST-249. Drilling continued until no evidence of contamination was detected with the field screening instruments.

Sampling operations and sample handling procedures are described in Section 3.0. Borehole locations, sample depths, and replicate samples collected for the sites at building 20205 are listed in Table 37-2. Borehole logs are in Appendix C.

Table 37-2. Boreholes and Samples Collected at OWS ST-248 and UST ST-249, Building 20205

Site	Borehole	Borehole Location	Sample Depths (ft)	PID/FID[a,b] (ppm_v)
ST-248	01	Background sampling location	9-11	0/1.5
			16-18	0/0
	02	Near OWS inflow	3-5	0/0
			8-10	0/0
	03	Near OWS inflow	3-5	0/0
			8-10	0/0
	04	Adjacent to OWS	3-7[c]	0/0
			8-11	0/0
	05	Near OWS outflow	3-5	0/0
			8-10	0/0
ST-249	01	Adjacent to holding tank	9-11	1/1.5
			16-18	0/3
			21-23	0/0
			30-32	0/0
	02	Near UST fill pipe	1-3	1/6
	03	Near holding tank inflow	9-11	0/0.5
			16-21[c]	0/0.5
			21-25	0/0
	04	Adjacent to holding tank	9-11	0/0
			16-18	0/0
			21-23	0/0
	05	Adjacent to holding tank	9-11	0/1.5
			16-18	0/0
			21-23	0/0

a. ppm_v = parts-per-million volume (ml/L) as isobutylene for the PID and as methane for the FID.
b. PID and FID readings are values above background. Only the highest value for the interval is listed.
c. Replicate sample also collected in this depth interval.

37.2.4 Laboratory Analysis

Twenty-six soil samples, including replicates, were collected at these sites. These samples were analyzed for VOCs, SVOCs, TPH, metals, mercury (the expected contaminants associated with normal operations at this facility), soil pH, and soil moisture. The four brass tubes in each 2-ft sample interval were field screened for possible contamination using gamma and beta-gamma meters, an FID, and a PID. Elevated PID and FID readings were measured in samples collected for lithologic description and laboratory analysis in boreholes ST-248-01, ST-249-01, ST-249-02, ST-249-03, ST-249-04 (in samples collected for lithologic description only), and ST-249-05 (Table 37-2).

37.3 Site Characteristics

37.3.1 Geology

The building 20205 area is underlain by unconsolidated alluvial sediments. The sediments are predominantly clayey sand and silt to silty sand to fine-grained sands and gravelly sands. Abundant weathered biotite was common in most samples. At ST-248, boreholes were drilled as follows: three 10 ft deep, one 18 ft deep, and one 11 ft deep. At ST-249, boreholes were drilled as follows: two 23 ft deep, one 32 ft deep, one 25 ft deep, and one 3 ft deep. No boreholes penetrated into the Santa Fe Group sediments that presumably underlie this area. A discussion of the general geology at Kirtland AFB is presented in Section 2.4.

As a result of installation, it is probable that backfill material is present adjacent to these units to a depth equal to the total depth of each unit. Borehole logs for this area are presented in Appendix C.

37.3.2 Hydrogeology

Groundwater beneath ST-248 and ST-249 is found within the Upper Santa Fe sediments and is generally thought to be unconfined in the upper portion of the aquifer. This area is within the HR1 saturated zone setting as defined by SNL studies (Figure 2-9) (SNL, 1994). Hydrologic characterization in this portion of Kirtland AFB is complicated by the presence of numerous production wells (Figure 2-11). It is probable that uniform groundwater conditions do not exist in this region. Local cones of depression associated with groundwater withdrawal have altered the groundwater flow direction in the vicinity of the well fields (Figure 2-7).

It is probable that the gradient is to the northwest. Two production wells are located near the OWS and UST. Well KAFB-1 is cross gradient 2,400 ft southwest of building 20205, and well KAFB-3 is

probably downgradient 4,000 ft north-northwest of building 20205 (Figures 2-7 and 2-11). Depth to groundwater is estimated to be approximately 350 ft below grade; however, shallower perched water zones may occur (Figure 2-10). Hydraulic conductivity within HR1 is estimated at 2 to 171 ft/day (SNL, 1994). A general discussion of the hydrogeology at Kirtland AFB is presented in Section 2.5.

37.4 Nature and Extent of Contamination

The following sections describe the nature and extent of contamination based on soil sampling results. Analytical results for soil samples at these sites are summarized in Tables 37-3 and 37-4, where only the reportable concentrations are listed. Full analytical results are presented in Appendix G. Laboratory validation reports are presented in Appendix K.

37.4.1 ST-248 Analytical Results

Organic Compounds

The following VOC analytes were detected in one or more of the soil samples collected at ST-248: acetone, methylene chloride, and toluene (Table 37-3). None of these compounds was detected at concentrations exceeding HHRB action levels. Methylene chloride, acetone, and toluene were detected in associated QC samples and are believed to be the result of laboratory contamination as discussed in Section 3.5.1.

The SVOC di-n-butylphthalate (0.29 mg/kg) was detected in only the 8- to 11-ft sample from borehole ST-248-04. This concentration is below the HHRB action level of 8,000 mg/kg (Table 37-3).

Petroleum Hydrocarbons

Diesel range hydrocarbons were detected in all soil samples at ST-248 at concentrations ranging from 0.46 to 2.0 mg/kg. These concentrations did not exceed the NMED action level of 100 mg/kg (Table 37-3).

Metals

Chromium, cobalt, copper, magnesium, nickel, and zinc were detected above the UTL concentrations. Beryllium, antimony, and manganese were the only metals detected in samples at concentrations greater than the HHRB action level. Beryllium (0.41 to 1.1 mg/kg) was detected in all soil samples above the HHRB action level of 0.2 mg/kg. Antimony was detected at an estimated concentration of 19,000 mg/kg in the 3- to 5-ft sample interval at ST-248-05. This concentration is

Table 37-3. Summary of Reportable Concentrations for Soil Analyses at OWS ST-248, Bldg. 20205, Kirtland AFB, New Mexico[Ψ,1]
[Concentrations mg/kg)

Chemical Class	Analyte	PQL UTL	HHRB Action Level[2]	Borehole Number and Sample Depth Interval (ft)										
				ST-248-01		*ST-248-02*		*ST-248-03*		*ST-248-04*			*ST-248-05*	
				9–11	16–18	3–5	8–10	3–5	8–10	3–7	3–7 FR	8–11	3–5	8–10
VOC	Acetone	0.1	8000	0.0071 J	ND	0.0058 J	ND	ND	0.0037 J	ND	0.011 J	0.0044 J	ND UJ	0.0065 J
	Methylene Chloride	0.005	93.3	0.003 U	0.0029 J	0.0041	0.0026 J	0.004	0.0025 J	0.0027 J	0.004	0.0021 J	0.0033 U	0.0043
	Toluene	0.005	16000	ND	ND	ND	ND	ND	0.0012 J	ND	ND	ND	ND	ND
SVOC	di-n-Butylphthalate	0.7	8000	ND	ND	ND	ND	ND	ND	ND	ND	0.29	ND	ND
TPH	Diesel Fraction	10	100	1.7	1.8	2	1.3	1.2	1.1	1.4	1.1	0.82	0.78	0.46
METALS	Aluminum	13300	N/A	6650	8360	9120	12500	14500	15300	9190	9710	4480	13800	11700
	Antimony	N/A	32	ND	ND	ND	ND	ND	ND	ND	ND	ND	19000 J	ND
	Barium	496	5600	153 J	150	173	140	319	253	252	251	94.0	305 J	156
	Beryllium	0.83	0.2	0.43	0.49	0.55	0.79	1.1	0.67	0.53	0.67	0.41	0.67	0.69
	Cadmium	N/A	40	ND	ND	ND	ND	0.85	1.0	1.1	0.89	0.51	0.67 J	1.0
	Calcium	119000	N/A	33400 J	31400	26400	23000	42400	28300	43200	35800	29900	32500 J	32100
	Chromium, Total	14.9	400	7.2 U	8.7	7.8	13.5	14.0	18.2	12.8	10.6	10.6	ND	14.0
	Cobalt	11.3	N/A	8.3	6.6	7.4	8.5	11.6	9.1	6.8	7.9	8.4	8.8	10.0
	Copper	135	N/A	74.8 J	36.4	44.1	34.5	28.4	31.9	26.2	57.9	147	115 J	19.4
	Iron	20900	N/A	17700 J	13300	14000	17900	18400	17300	13400	15600	12700	15800 J	19400
	Lead	22.9	400	7.1	7.3	7.8	10.3	12.3	10.8	13.5	10.8	5.8	ND	9.9
	Magnesium	8730	N/A	5340 J	5410	6070	6900	9400	6760	5120	6830	4040	6670 J	7130
	Manganese	435	400	328	273	347	385	543	376	291	333	313	357	423
	Nickel	54.4	1600	7.8 J	14.6	12.5	13.4	17.7	35.9	113	16.9	131	69.6 J	16.2
	Potassium	2730	N/A	1850 J	1920	1960	2670	2280	3440	1650	1780	1330	2510 J	2590
	Selenium	N/A	400	ND UJ	ND	ND	ND	10.0	ND	ND	ND	11.8	ND UJ	ND
	Sodium	519	N/A	310 J	192	378	548	1790	954	437	342	373	415 J	978
	Thallium	N/A	7.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vanadium	49.2	720	28.7 J	35.4	23.6	28.2	34.6	29.2	30.0	37.1	22.5	33.6 J	33.4
	Zinc	81.6	24000	58.5 J	46.8	51.3	52.5	55.4	53.0	37.8	58.9	65.1	87.2 J	50.9
OTHER	Moisture (%)			6.5	17.6	8.6	11.4	18.1	10.3	5.0	10.4	2.3	9.9	13.1
	pH			8.9	8.9	8.5	8.9	8.8	8.8	10.4	8.6	9.1	8.4	9.1

Ψ Complete table footnotes can be found after the last table in this section.

Table 37-4. Summary of Reportable Concentrations for Soil Analyses at Used Oil Underground Storage Tank ST-249, Bldg. 20205, Kirtland AFB, New Mexico[Ψ,1] [Concentrations (mg/kg)]

Chemical Class	Analyte	PQL UTL	HHRB Action Level[2]	Borehole Number and Sample Depth Interval (ft)								
				ST-249-01				*ST-249-02*	*ST-249-03*			
				9–11	16–18	21–23	30–32	1–3	9–11	16–21	16–21 FR	21-25
VOC	Acetone	0.1	8000	ND	0.0034 J	0.003 J	ND	0.074	0.0075 J	0.0059 J	0.0091 J	ND
	Carbon Disulfide	0.005	8000	ND	ND	ND	ND	0.0012 J	ND	ND	ND	ND
	Methyl Ethyl Ketone	0.1	48000	ND	ND	ND	ND	0.017	ND	ND	ND	ND
	Methyl Isobutyl Ketone	0.05	N/A	ND	ND	ND	ND	0.0013 J	ND	ND	ND	ND
	Methylene Chloride	0.005	93.3	0.0042	0.004	0.0052	0.0045	0.0047	0.0038	0.011	0.012	0.0039
	Tetrachloroethylene	0.005	800	ND	ND	ND	ND	0.01	ND	ND	ND	ND
SVOC	di-n-Butylphthalate	0.7	8000	0.57	0.38	0.47	0.37	0.5	0.56	0.53	0.37	0.53
TPH	Diesel Fraction	10	100	0.74	0.53	0.91	0.65	0.86	1.1	3.4	1.1	0.77
METALS	Aluminum	13300	N/A	6100	4190	5300	3040	6910	6170	5360	7450	5570
	Barium	496	5600	136	89.4	122	49.8	717	124	112	184	117
	Beryllium	0.83	0.2	0.42	0.21	0.33	0.21	0.44	0.34	0.31	0.56	0.32
	Calcium	119000	N/A	28600	38300	43100	35400	94200	24600	29400	30800	5440
	Chromium, Total	14.9	400	7.1	6.3	6.8	5.6	7.8	6.8	6.5	8.9	7.9
	Cobalt	11.3	N/A	7.3	4.9	7.6	5.1	6.2	7.7	7.8	8.8	7.3
	Copper	135	N/A	24.7	24.6	38.9	50.9	48.5	31.6	24.3	36.0	24.4
	Iron	20900	N/A	13000	9780	13200	9340	9770	13400	12100	16400	11900
	Lead	22.9	400	6.9	ND	5.6	3.5	7.0	5.8	5.6	8.0	5.2
	Magnesium	8730	N/A	4860	3800	4920	3430	6000	4880	4620	6320	4570
	Manganese	435	400	329	277	323	257	194	301	331	361	308
	Nickel	54.4	1600	9.3	8.5	10.5	12.6	9.5	9.9	57.5	11.9	169
	Potassium	2730	N/A	1780	1200	1500	902	1270	1710	1660	1730	1520
	Sodium	519	N/A	405	568	572	213	220	176	392	797	367
	Vanadium	49.2	720	20.4	15.4	20.1	16.3	29.9	21.1	19.3	25.5	19.7
	Zinc	81.6	24000	45.6	37.2	52.9	40.4	43.4	47.6	44.5	57.5	42.6
OTHER	Moisture (%)			5.3	6.2	9.1	3.3	9.9	10.8	3.3	11.2	5.0
	pH			8.9	8.7	8.9	8.7	8.4	8.3	8.3	8.8	8.0

Ψ Complete table footnotes can be found after the last table in this section.

Chemical Class	Analyte	PQL UTL	HHRB Action Level[2]	Borehole Number and Sample Depth Interval (ft)					
				ST-249-04			*ST-249-05*		
				9–11	16–18	21–23	9–11	16–18	21–23
VOC	Acetone	0.1	8000	ND	ND	ND	ND	ND	ND
	Carbon Disulfide	0.005	8000	ND	ND	ND	ND	ND	ND
	Methyl Ethyl Ketone	0.1	48000	ND	ND	ND	ND	ND	ND
	Methyl Isobutyl Ketone	0.05	N/A	ND	ND	ND	ND	ND	ND
	Methylene Chloride	0.005	93.3	ND	ND	ND	ND	ND	ND
	Tetrachloroethylene	0.005	800	ND	ND	ND	ND	ND	ND
SVOC	di-n-Butylphthalate	0.7	8000	0.54	0.28	0.41	0.49	0.38	0.49
TPH	Diesel Fraction	10	100	0.58	0.75	0.74	0.55	0.6	0.53
METALS	Aluminum	13300	N/A	10300	9520	8670	8810	6000	7210
	Barium	496	5600	138	156	152	182	107	100
	Beryllium	0.83	0.2	0.66	0.54	0.55	0.62	0.52	0.42
	Calcium	119000	N/A	25800	47100	30000	41100	28700	29300
	Chromium, Total	14.9	400	14.9	12.4	12.4	12.1	8.7	11.1
	Cobalt	11.3	N/A	8.2	6.8	8.3	10.0	9.5	7.3
	Copper	135	N/A	28.6	36.0	36.6	21.3	25.3	154
	Iron	20900	N/A	17100	15700	17900	15200	20800	15900
	Lead	22.9	400	9.2	5.9	6.5	7.1	6.5	7.9
	Magnesium	8730	N/A	5580	5690	5860	5900	4580	4860
	Manganese	435	400	326	330	333	430	324	311
	Nickel	54.4	1600	12.4	13.9	28.6	12.1	9.9	8.7
	Potassium	2730	N/A	2030	1860	1800	1930	1430	1730
	Sodium	519	N/A	337	785	723	420	373	517
	Vanadium	49.2	720	28.9	25.9	29.0	24.9	34.8	26.8
	Zinc	81.6	24000	45.9	48.7	53.5	44.2	39.4	86.9
OTHER	Moisture (%)			8.8	6.9	8.9	3.8	4.6	4.6
	pH			8.2	8.6	8.5	8.4	8.6	8.6

Ψ Complete table footnotes can be found after the last table in this section.

1 Complete laboratory analytical results including method detection limits are presented in the ITIR appendices.

2 Action Level Proposed Rule RCRA Subpart S Action Levels (55 FR 30814, 7/27/90).

*; TPH action level is 100 mg/kg adopted from NM UST regulations (USGS 2B Work Plan 3.6, NM El Board, 1990). SW-8015 analyzes volatile and semivolatile petroleum hydrocarbon fractions separately. The total concentration of the two fractions analyzed under 8015 will be used to assess compliance with stipulated action levels for the purpose of this RFI.

PQL; Practical Quantitation Limits (defines VOC, SVOC and TPH).

pCi/g; Picocuries per gram.

VOC; Volatile Organic Compounds.

TPH; Total Petroleum Hydrocarbons.

RAD; Radionuclides.

ND; Not Detected above the method detection limit.

U; Accept data (positive results may be influenced by lab contamination).

RE; Resample.

NA; Not Analyzed

UTL; Upper Tolerance Limits (defines METALS).

HHRB; Human Health Risk Based.

SVOC; Semivolatile Organic Compounds.

FR; Field Replicate.

UJ; Estimated Nondetect.

J; Estimated value.

R; Reject NDs due to interference.

--; No Data.

above the HHRB action level of 320 mg/kg. Manganese was detected in the 3- to 5-ft sample in ST-284-03 (543 mg/kg) and the 8- to 10-ft sample in ST-248-05 (423 mg/kg), above the HHRB action level of 400 mg/kg (Table 37-3). These concentrations of beryllium and manganese may be naturally occurring at Kirtland AFB as discussed in Section 4.2.2.

Soil pH and Moisture

Soil pH ranged from 8.4 to 10.4. Soil moisture values ranged from 2.3 to 18.1 percent (Table 37-3).

37.4.2 ST-249 Analytical Results

Organic Compounds

The following VOC analytes were detected in one or more of the soil samples collected at ST-249: acetone, carbon disulfide, methyl ethyl ketone, methyl isobutyl ketone, methylene chloride, and tetrachloroethylene (Table 37-4). None of these compounds was detected at levels exceeding HHRB action levels. Except for carbon disulfide and tetrachloroethylene, these compounds were found in associated QC samples and are believed to be the result of laboratory contamination.

The SVOC di-n-butylphthalate was detected in all samples at concentrations ranging from 0.37 to 0.57 mg/kg. These concentrations are below the HHRB action level of 8,000 mg/kg (Table 37-4).

Petroleum Hydrocarbons

Diesel range hydrocarbons were detected in all ST-249 soil samples at concentrations ranging from 0.53 to 3.4 mg/kg. The concentrations did not exceed the NMED action level of 100 mg/kg (Table 37-4).

Metals

Barium, chromium, copper, magnesium, nickel, and zinc were detected above their respective UTL concentrations. Beryllium and manganese were the only metals detected in samples at concentrations greater than HHRB action levels. Beryllium was detected in all soil samples above the HHRB action level of 0.2 mg/kg. Beryllium concentrations ranged from 0.21 to 0.66 mg/kg. Manganese (430 mg/kg) was detected in the 9- to 11-ft sample in borehole ST-249-05. This manganese concentration was below the UTL but above the HHRB action level of 400 mg/kg (Table 37-4). These concentrations of beryllium and manganese may be naturally occurring at Kirtland AFB as discussed in Section 4.2.2.

Soil pH and Moisture

Soil pH ranged from 8.0 to 8.9. Soil moisture values ranged from 3.3 to 11.2 percent (Table 37-4).

37.5 Risk Characterization Summary

A baseline human health risk assessment for Site ST-248 was conducted according to the methods outlined in Section 3.6. All calculations to support this risk assessment are provided in Appendix H.

Antimony was the only potential chemical of concern found at an elevated concentration in the soil of Site ST-248. Antimony is classified with a "D" weight of evidence, meaning that it is unclassifiable as to its human carcinogenicity. Eight soil samples were collected from this site and used for the risk characterization. The data set for antimony was evaluated and was found to have a normal sample distribution. The 95 percent UCL was calculated as 6888.39 mg/kg.

The antimony reference dose of 0.0004 mg/kg/day was used to calculate the corresponding hazard quotient as discussed in Section 3.6. Several exposure scenarios were considered, and the carcinogenic and noncarcinogenic risks were evaluated for the "worst-case" scenario (future residential land use) for the incidental soil ingestion from this site. The hazard quotients generated for the adult and child were 65 and 607, respectively. The hazard index calculated for antimony (672) from incidental soil ingestion at this site was greater than unity. Because the hazard index is above the USEPA acceptable limit of 1.0 (unity), noncarcinogenic health risks are likely to be associated with this exposure scenario.

37.6 Conclusions and Recommendations

Conclusions

- Several VOCs were detected; however, all concentrations were below the HHRB action levels. One SVOC (di-n-butylphthalate) was detected, and the concentration was below the HHRB action level.

- Diesel range hydrocarbons were present in all the site samples. All concentrations were below the NMED action level of 100 mg/kg.

- Beryllium was detected in all samples above the HHRB action level of 0.2 mg/kg, but below the 0.83 UTL concentration. Manganese was detected in two samples at ST-248 and one sample at ST-249 above the HHRB of 400 mg/kg. One manganese concentration also exceeded the UTL

concentration. These concentrations of beryllium and manganese appear to be naturally occurring at Kirtland AFB as discussed in Section 4.2.2.

- Although the source for antimony is unknown at ST-248, it was detected at an estimated concentration of 19,000 mg/kg. This concentration exceeds the HHRB action level of 32 mg/kg. This single antimony detection was in the 3- to 5-ft sample at borehole ST-248-05. Antimony was not detected in the deeper 8- to 10-ft sample at borehole ST-248-05.
- A baseline risk assessment was performed at Site ST-248 to determine hypothetical noncarcinogenic health risks from antimony present in the soil. A future residential land use scenario ("worst-case") was evaluated for the incidental ingestion of soil by child and adult residents. The Hazard Index was determined to be greater than 1.0; therefore, noncarcinogenic health risks could possibly be associated with this exposure scenario.
- ST-248 and ST-249 analyte detections are not indicative of a release from these units.
- ST-249 will be removed under the KAFB UST Program in 1994.

Recommendations

- Additional sampling should be performed in the vicinity of ST-248-05 to confirm the presence of elevated antimony concentrations.
- Based on the findings of the RFI, no further action is necessary at Site ST-249; therefore, this site does not require further investigation. A No Further Action proposal should be prepared.

38.0 Site ST-250, Oil/Water Separator

38.1 Site Background and Environmental Setting

OWS ST-250 is 4.5 ft north of building 20338 in the covered concrete patio area (Figure 38-1). Building 20338 is the Air Force Transportation Maintenance/Allied Trade Operations facility located in the north-central portion of Kirtland AFB. Made of concrete, ST-250 is 5.6 ft long, 3 ft wide (outside diameter), and 8 ft deep. A single buried pipe conducts drainage from several floor drains inside building 20338 to the south side of the OWS where the pipe enters the oil-phase liquid storage compartment of the unit. A storm drain lateral, running east to west across the entrance walkway to building 20338, also discharges storm water to the oil-phase liquid compartment of the unit from the north side. Water-phase liquid discharges from ST-250 through an outflow pipe through the west wall. According to Air Force Civil Engineering Division blueprints, the discharge pipe then angles northwest and connects to the sanitary sewage lateral that runs east to west across the area, approximately 2 ft north of ST-250. Based on the physical characteristics of the site, the potential overflow runoff destination is the concrete patio and the surrounding grass lawn. OWS ST-250 was investigated on May 6, 1994.

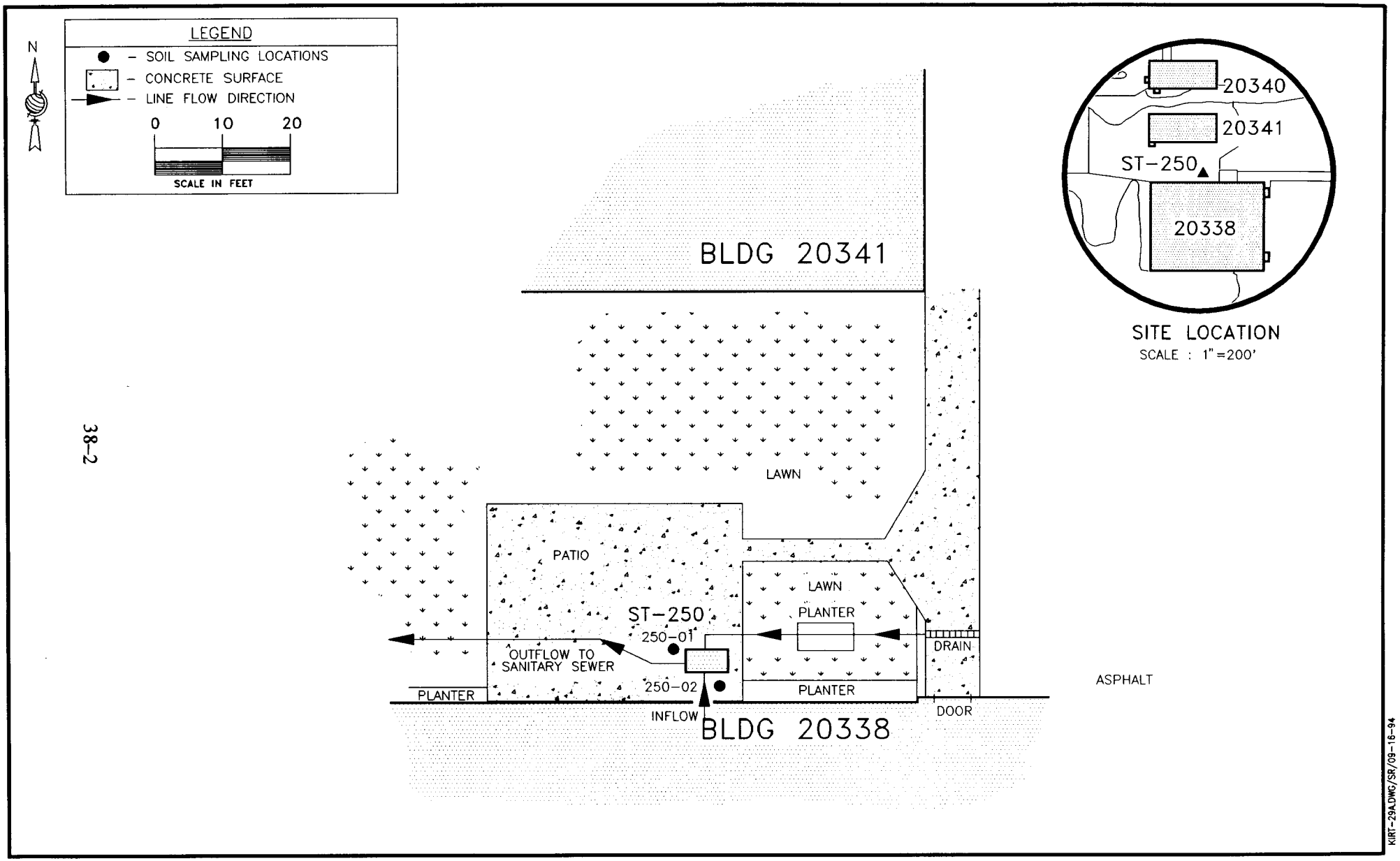
Building 20338 is located in the urban/industrial environmental zone, which is discussed in Section 2.0. The nearest production wells to this site are KAFB-1, located 1,900 ft to the west, KAFB-3, located 6,200 ft to the north-northwest, KAFB-4, located 6,000 ft to the south-southwest, and KAFB-7, located 6,000 to the southwest (Figure 2-11).

38.2 Study Area Investigation

Possible source materials were not investigated in this study. Previous investigations sampled source materials as described below.

38.2.1 Previous Investigations

In 1990, 1991, and 1992, a Kirtland AFB environmental contractor sampled materials present in OWS ST-250. TPH was reported at 21,600 mg/kg and 608 mg/kg in the 1991 and 1992 samples, respectively. TOX was reported to be 242 mg/kg in the 1992 sample. Full laboratory results for these sampling efforts are presented in Appendix B of the USGS Stage 2B Work Plan (USGS, 1993a).



SOIL SAMPLING LOCATIONS AT OIL/WATER SEPARATOR ST-250, BUILDING 20338

FIGURE 38-1

RCRA FACILITY INVESTIGATION STAGE 2B KIRTLAND AIR FORCE BASE, NEW MEXICO

38.2.2 Data Gaps

The main objective of this investigation was to determine if contamination is present in the subsurface soil adjacent to OWS ST-250. A secondary objective was to determine the unit's outflow and potential overflow runoff destinations.

38.2.3 RFI Field Investigation

Due to the close proximity of ST-250 to Site ST-251, borehole ST-251-01 was drilled for the purpose of collecting background concentration data for both sites. Analytical results for borehole ST-251-01 are presented in Section 39.0.

On May 6, 1994, two boreholes were drilled and sampled at ST-250 using a Geoprobe system (Figure 38-1). Borehole ST-250-01 was located next to the outflow line at the northwest corner of the unit. Borehole ST-250-02 was located near the inflow line leading from building 20338 to the OWS. Two sample intervals were collected in each borehole: one at a depth equal to, and the other 5 ft below the base of the OWS (i.e., 8 ft and 13 ft below grade).

Sampling operations and sample handling procedures are described in Section 3.0. Borehole locations, sample depths, and replicate samples collected at ST-250 are listed in Table 38-1. Borehole logs are in Appendix C.

Table 38-1. Boreholes and Samples collected at OWS ST-250, Building 20338

Site	Borehole	Borehole Location	Sample Depths (ft)
ST-250	01	Northwest corner of OWS near outflow	8-13[a]
			13-17
	02	Southeast corner of OWS near inflow from building 20338	8-13[a]
			13-15

a. Replicate sample also collected at this depth interval.

38.2.4 Laboratory Analysis

Five soil samples, including replicates, were collected for laboratory analysis at ST-250. These samples were analyzed for VOCs, SVOCs, TPH, metals, mercury (the expected contaminants associated with normal operations at this building), soil pH, and soil moisture. Soil samples were

field screened for possible contamination using gamma and beta-gamma meters, a PID, and an FID. No readings above background values were measured with these instruments.

38.3 Site Characteristics

38.3.1 Geology

The building 20338 area is underlain by unconsolidated alluvial sediments. The sediments are predominantly fine-grained sands and very fine-grained to fine-grained silty sands. Caliche was present in all boreholes as light- to heavily-stained zones and patches. A maximum depth of 17 ft was attained at borehole ST-250-01. No borehole penetrated into the Santa Fe Group sediments that presumably underlie this area. A discussion of the general geology at Kirtland AFB is presented in Section 2.4.

As a result of OWS installation, it is probable that backfill material is present adjacent to the OWS at a depth at least equal to the unit's total depth. Borehole logs for this site are presented in Appendix C.

38.3.2 Hydrogeology

Groundwater beneath ST-250 is found within the Upper Santa Fe sediments and is generally thought to be unconfined in the upper portion of the aquifer. This area is within the HR1 saturated zone setting as defined by SNL studies (Figure 2-9) (SNL, 1994). Hydrologic characterization in this portion of Kirtland AFB is complicated by the presence of numerous production wells (Figure 2-11). It is probable that uniform groundwater conditions do not exist in this region. Local cones of depression associated with groundwater withdrawal have altered the groundwater flow direction in the vicinity of the well fields (Figure 2-7).

It is probable that the gradient is northwesterly in this area. It is believed that production wells KAFB-1, located 1,900 ft to the west, and KAFB-3, located 6,200 ft to the north-northwest, are downgradient from the site. KAFB-4, located 6,000 ft to the south, and KAFB-7, located 6,000 ft to the southwest, are believed to be upgradient from the site (Figures 2-7 and 2-11). Depth to groundwater is estimated to be approximately 350 ft below grade; however, shallower perched water zones may occur (Figure 2-10). Hydraulic conductivity within HR1 is estimated at 2 to 171 ft/day (SNL, 1994). A general discussion of the hydrogeology at Kirtland AFB is presented in Section 2.5.

38.4 Nature and Extent of Contamination

The following section describes the nature and extent of contamination based on analytical results for soil samples collected at ST-250. Analytical results are presented in Table 38-2, where only reportable concentrations of detected analytes are listed. Complete analytical results are presented in Appendix G. Laboratory validation reports are presented in Appendix K.

Organic Compounds

VOC analytes detected in soil samples collected at ST-250 include acetone, methylene chloride, methyl ethyl ketone, total xylenes, and toluene. No VOC analytes were detected at levels that exceed HHRB action levels (Table 38-2). These compounds were found in associated QC samples and are believed to be the result of laboratory contamination as discussed in Section 3.5.1.

The only SVOC analyte detected was di-n-butylphthalate. It was only detected in the 8- to 10-ft and 13- to 17-ft samples from borehole ST-250-01 at 0.26 and 0.39 mg/kg, respectively. These detections did not exceed the HHRB action level of 8,000 mg/kg (Table 38-2).

Petroleum Hydrocarbons

Diesel range hydrocarbons were detected in each sample at ST-250 at concentrations ranging from 0.8 to 1.2 mg/kg. These concentrations did not exceed the NMED action level of 100 mg/kg for petroleum hydrocarbons (Table 38-2).

Metals

Table 38-2 presents all reportable concentrations of metals detected in soil samples collected at ST-250. Chromium, detected at 17.2 mg/kg in the 8- to 13-ft replicate sample from borehole ST-250-02, exceeded the UTL of 14.9 mg/kg but did not exceed the HHRB action level of 400 mg/kg. Beryllium and manganese were the only metals detected in soil samples at concentrations above the HHRB action levels. Beryllium was detected in every sample at concentrations ranging from 0.44 to 0.95 mg/kg, above the HHRB action level of 0.2 mg/kg. Manganese was detected in the 8- to 10-ft sample and replicate from borehole ST-250-01 and the 8- to 13-ft sample and replicate from borehole ST-250-02 at concentrations above the 400 mg/kg HHRB action level. These concentrations of beryllium and magnesium may be naturally occurring at Kirtland AFB as discussed in Section 4.2.2.

Soil pH and Moisture

Soil pH ranged from 7.2 to 10.6. Soil moisture values ranged from 10.1 to 15.8 percent (Table 38-2).

Table 38-2. Summary of Reportable Concentrations for Soil Analyses at OWS ST-250, Bldg. 20338, Kirtland AFB, New Mexico[Ψ,1]
[Concentrations (mg/kg)]

Chemical Class	Analyte	PQL UTL	HHRB Action Level[2]	Borehole Number and Sample Depth Interval (ft)					
				ST-250-01			*ST-250-02*		
				8–10	8-10 FR	13–17	8–13	8–13 FR	13–15
VOC	Acetone	0.1	8000	0.010 J	ND	0.019	0.0097 J	0.011 J	0.012 J
	Methyl Ethyl Ketone	0.1	48000	ND	ND	0.0074 J	ND	ND	ND
	Methylene Chloride	0.005	93.3	0.0079	0.0046	0.0064	0.0055	0.0051	0.0067
	Toluene	0.005	16000	ND	ND	0.0015	0.034	ND	ND
	Total Xylenes	0.005	160000	ND	ND	ND	0.014	ND	ND
SVOC	di-n-Butylphthalate	0.7	8000	0.260	ND	0.390	ND	ND	ND
TPH	Diesel Fraction	10	100	1.2	0.82	0.92	0.64	0.8	0.79
METALS	Aluminum	13300	N/A	13500	12800	10000	13800	18200	8970
	Barium	496	5600	186	161	229	179	522	179
	Beryllium	0.83	0.2	0.68	0.67	0.44	0.79	0.95	0.45
	Calcium	119000	N/A	30600	34400	48100	40000	69400	31900
	Chromium, Total	14.9	400	13.7	13.2	12.3	13.0	17.2	10.1
	Cobalt	11.3	N/A	8.5	8.5	7.0	9.4	10.7	6.0
	Copper	135	N/A	27.5	16.7	12.0	28.8	34.1	20.5
	Iron	20900	N/A	20100	19700	15200	20200	22900	16100
	Lead	22.9	400	9.3	7.4	5.2	8.1	11.3	3.6
	Magnesium	8730	N/A	6850	6550	5450	7880	9410	5050
	Manganese	435	400	455	425	280	452	483	272
	Mercury	N/A	20	ND	ND	ND	0.12	ND	0.1
	Nickel	54.4	1600	13.3	12.3	135	14.7	17.2	7.7
	Potassium	2730	N/A	2980	2780	2160	2860	3240	2060
	Selenium	N/A	400	ND	12.0	ND	ND	ND	ND
	Sodium	519	N/A	416	386.0	362	106	141	98.8
	Vanadium	49.2	720	46.3	45.1	35.2	45.0	43.5	29.9
	Zinc	81.6	24000	56.3	51.4	41.2	60.9	64.5	40.5
OTHER	Moisture (%)			11.4	10.9	10.1	11.4	15.8	11.7
	pH			8.9	7.2	10.6	8.6	8.4	8.5

Ψ Complete table footnotes can be found after the last table in this section.

1 Complete laboratory analytical results including method detection limits are presented in the ITIR appendices.

2 Action Level Proposed Rule RCRA Subpart S Action Levels (55 FR 30814, 7/27/90).

*; TPH action level is 100 mg/kg adopted from NM UST regulations (USGS 2B Work Plan 3.6, NM EI Board, 1990). SW-8015 analyzes volatile and semivolatile petroleum hydrocarbon fractions separately. The total concentration of the two fractions analyzed under 8015 will be used to assess compliance with stipulated action levels for the purpose of this RFI.

PQL; Practical Quantitation Limits (defines VOC, SVOC and TPH).

pCi/g; Picocuries per gram.

VOC; Volatile Organic Compounds.

TPH; Total Petroleum Hydrocarbons.

RAD; Radionuclides.

ND; Not Detected above the method detection limit.

U; Accept data (positive results may be influenced by lab contamination).

RE; Resample.

NA; Not Analyzed

UTL; Upper Tolerance Limits (defines METALS).

HHRB; Human Health Risk Based.

SVOC; Semivolatile Organic Compounds.

FR; Field Replicate.

UJ; Estimated Nondetect.

J; Estimated value.

R; Reject NDs due to interference.

--; No Data.

38.5 Conclusions and Recommendations

Conclusions

- Five VOCs were detected in soil samples at ST-250; however, all concentrations were below HHRB action levels. Detected concentrations of the SVOC di-n-butylphthalate did not exceed HHRB action levels.

- Diesel range hydrocarbons were detected in every sample at ST-250. The concentrations did not exceed the NMED action level of 100 mg/kg.

- The only metals detected at concentrations exceeding HHRB action levels were beryllium and manganese. These beryllium and manganese concentrations may be naturally occurring throughout Kirtland AFB as discussed in Section 4.2.2.

- ST-250 analytical results are not indicative of a release from this unit.

Recommendations

- Based on the RFI findings, no further action is necessary; therefore, Site ST-250 does not require further investigation. A No Further Action proposal should be prepared.

39.0 Site ST-251, Oil/Water Separator

39.1 Site Background and Environmental Setting

OWS ST-251 is near the middle of the north side of building 20344 (Figure 39-1). Building 20344 is the Air Force Transportation Maintenance body shop located in the north-central portion of Kirtland AFB. The OWS is made of concrete and is 5.25 ft long, 3.0 ft wide, and 4.5 ft deep. According to Air Force Civil Engineering Division blueprints, the OWS receives discharge from building 20344 floor drains. The inflow pipe enters the OWS on the south side and the discharge line exits the unit on the north side. The discharge line ties into a sanitary sewage lateral northwest of ST-251. Based on the physical characteristics of the site, potential overflow runoff destination appears to be limited to the asphalt-paved area surrounding the site. OWS ST-251 was investigated on May 10, 1994, and resampled July 6, 1994.

Building 20344 is located in the urban/industrial environmental zone, which is discussed in Section 2.0. The nearest production wells to this site are KAFB-1, located 1,600 ft to the west, KAFB-3, located 6,100 ft to the north-northwest, KAFB-4, located 6,000 ft to the south, and KAFB-7, located 5,800 to the southwest (Figure 2-11).

39.2 Study Area Investigation

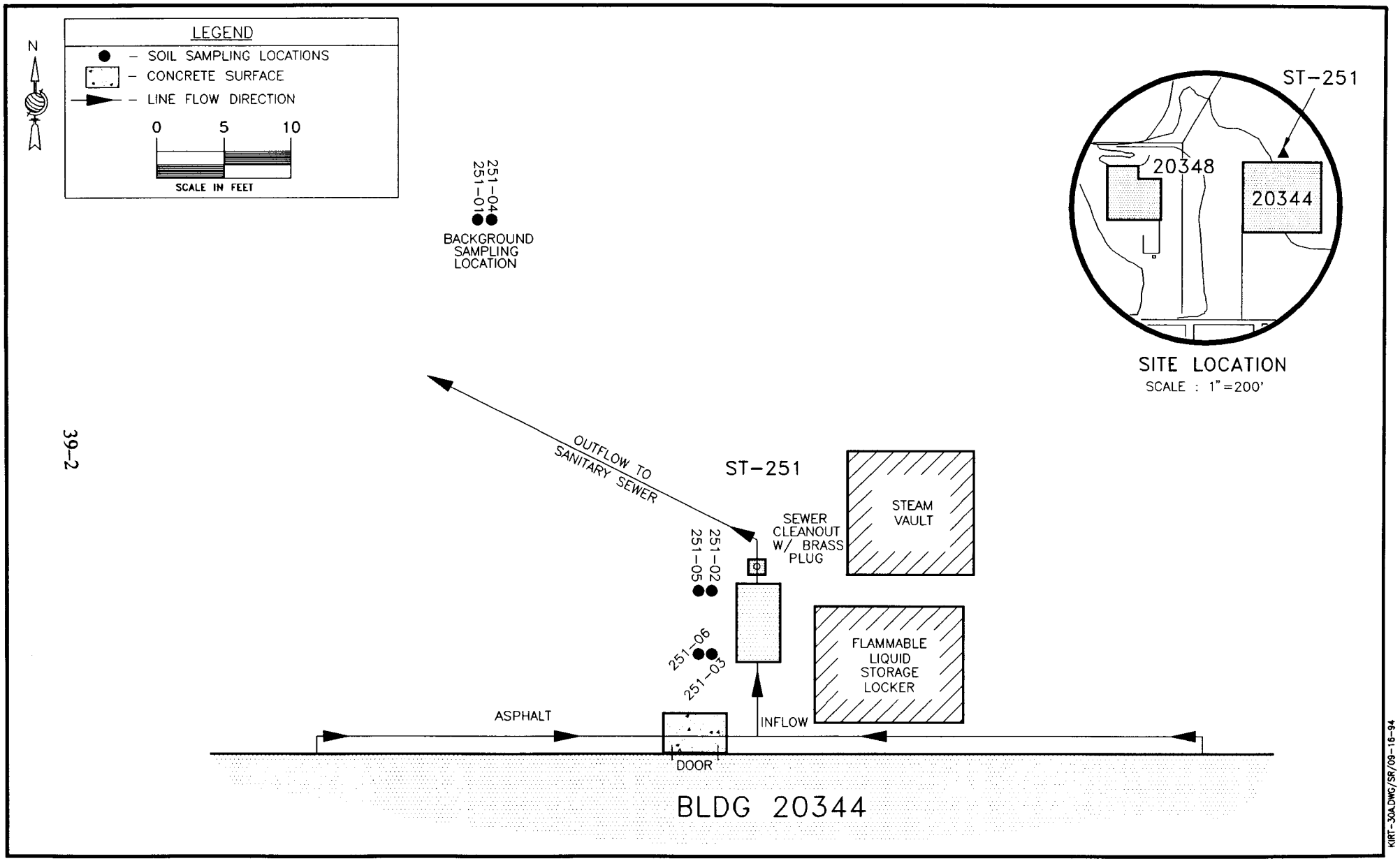
Possible source materials were not investigated during this study. Previous investigations sampled source materials as described below.

39.2.1 Previous Investigations

In 1990, 1991, and 1992, a Kirtland AFB environmental contractor sampled materials present in OWS ST-251. TPH was reported at 151 mg/kg in the 1991 sample. TOX was reported to be 245 mg/kg in the 1992 sample. Full laboratory results for these samplings are presented in Appendix B of the USGS Stage 2B Work Plan (USGS, 1993a).

39.2.2 Data Gaps

The main objective of this investigation was to determine if contamination is present in the subsurface soil adjacent to OWS ST-251. A secondary objective was to determine the unit's outflow and potential overflow runoff destinations.



39-2

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SOIL SAMPLING LOCATIONS AT OIL/WATER SEPARATOR ST-251, BUILDING 20344

FIGURE 39-1

RCRA FACILITY INVESTIGATION STAGE 2B KIRTLAND AIR FORCE BASE, NEW MEXICO

39.2.3 RFI Field Investigation

On May 10, 1994, three boreholes were drilled and sampled using a Geoprobe system. Borehole ST-251-01 was located in an area away from any known or suspected source of contamination for the purpose of collecting background concentration data for both ST-251 and ST-250. The remaining two boreholes were located as close as possible to the inflow and outflow lines of the unit. Two sample intervals were collected in each borehole: one at a depth equal to, and the other 5 ft below the base of the unit (i.e., 5 and 10 ft below grade).

On July 6, 1994, three additional boreholes (ST-251-04, -05, -06) were drilled and sampled. These additional boreholes, drilled for the purpose of resampling the original three locations for SVOC and TPH analyses, were located within 1 ft of each of the original boreholes (Figure 39-1).

Sampling operations and sample handling procedures are described in Section 3.0. Borehole locations and sample depths collected at ST-251 are listed in Table 39-1. Borehole logs are in Appendix C.

Table 39-1. Boreholes and Samples collected at ST-251, Building 20344

Site	Borehole	Borehole Location	Sample Depths (ft)
ST-251	01	Background sampling location	5-7
			10-13
	02	Northwest corner of OWS near outflow	5-7
			10-12
	03	Southwest corner of OWS near inflow	5-7
			10-12
	04	0.75 ft east of ST-251-01	5-7
			10-12
	05	0.8 ft west of ST-251-02	5-7
			10-12
	06	0.5 ft west of ST-251-03	5-7
			10-12

39.2.4 Laboratory Analysis

Including the resamples, 12 soil samples were collected for laboratory analysis at ST-251. Six samples were analyzed for VOCs, SVOCs, TPH, metals, mercury (the expected contaminants associated with normal operations at this building), soil pH, and soil moisture. The six resamples were only analyzed for VOCs, SVOCs, and TPH. Soil samples were field screened for possible contamination using gamma and beta-gamma meters, a PID, and an FID. No readings above background values were measured with these instruments.

39.3 Site Characteristics

39.3.1 Geology

The building 20344 area is underlain by unconsolidated alluvial sediments. The sediments are predominantly fine-grained sands and very fine-grained to fine-grained silty sands. Caliche was present in all boreholes as light- to heavily-stained zones and patches. A maximum depth of 13 ft was attained at borehole ST-251-01. No borehole penetrated into the Santa Fe Group sediments that presumably underlie this area. A discussion of the general geology at Kirtland AFB is presented in Section 2.4.

As a result of OWS installation, it is probable that backfill material is present adjacent to the OWS to a depth at least equal to the unit's total depth. Borehole logs for this site are presented in Appendix C.

39.3.2 Hydrogeology

Groundwater beneath ST-251 is found within the Upper Santa Fe sediments and is generally thought to be unconfined in the upper portion of the aquifer. This area is within the HR1 saturated zone setting as defined by SNL studies (Figure 2-9) (SNL, 1994). Hydrologic characterization in this portion of Kirtland AFB is complicated by the presence of numerous production wells (Figure 2-11). It is probable that uniform groundwater conditions do not exist in this region. Local cones of depression associated with groundwater withdrawal have altered the groundwater flow direction in the vicinity of the well fields (Figure 2-7).

The gradient is believed to be northwesterly in this area. It is possible that production wells KAFB-1, located 1,600 ft to the west, and KAFB-3, located 6,100 ft to the north-northwest, are downgradient from the site. KAFB-4, located 6,000 ft to the south, and KAFB-7, located 5,800 ft to

the southwest, are believed to be upgradient from the site (Figures 2-7 and 2-11). Depth to groundwater is estimated to be approximately 350 ft below grade; however, shallower perched water zones may occur (Figure 2-10). Hydraulic conductivity within HR1 is estimated at 2 to 171 ft/day (SNL, 1994). A general discussion of the hydrogeology at Kirtland AFB is presented in Section 2.5.

39.4 Nature and Extent of Contamination

The following section describes the nature and extent of contamination based on analytical results for soil samples collected at ST-251. Analytical results are presented in Table 39-2, where only reportable concentrations of detected analytes are listed. Complete analytical results are presented in Appendix G. Laboratory validation reports are presented in Appendix K.

Organic Compounds

VOC analytes detected in one or more of the soil samples collected at ST-251 include: acetone, methylene chloride, methyl ethyl ketone, and 1,1,2,2-tetrachloroethane. These compounds were not detected at levels that exceed HHRB action levels (Table 39-2). Except for 1,1,2,2-tetrachloroethane, these compounds were found in associated QC samples and are believed to be the result of laboratory contamination as discussed in Section 3.5.1. 1,1,2,2-tetrachloroethane was only detected in the 10- to 12-ft sample from borehole ST-251-03. None of these compounds, or any other VOCs, were detected in the resamples.

Di-n-butylphthalate and phenol were the only SVOCs detected in soil samples collected at ST-251. Di-n-butylphthalate was present in three samples at concentrations ranging from 0.28 to 0.54 mg/kg. Phenol was detected in seven samples at concentrations ranging from 0.15 to 0.3 mg/kg. These SVOC concentrations do not exceed HHRB action levels (Table 39-2).

Petroleum Hydrocarbons

Diesel range hydrocarbons were detected in 11 samples at concentrations ranging from 0.18 to 0.99 mg/kg. These concentrations did not exceed the NMED action level of 100 mg/kg for petroleum hydrocarbons (Table 38-2).

Metals

Table 39-2 lists all reportable concentrations of metals detected in soil samples collected at ST-251. Arsenic and beryllium were the only metals detected in soil samples at ST-251 at concentrations above the HHRB action levels. Arsenic (7.3 mg/kg) was only detected in sample ST-251-02 (10 to 12 ft), which exceeds the HHRB action level of 0.4 mg/kg. Beryllium was detected in every

Table 39-2. **Summary of Reportable Concentrations for Soil Analyses at OWS ST-251, Bldg. 20344, Kirtland AFB, New Mexico[Ψ,1]**
[Concentrations (mg/kg)]

Chemical Class	Analyte	PQL / UTL	HHRB Action Level[2]	Borehole Number and Sample Depth Interval (ft)											
				ST-251-01		*ST-251-02*		*ST-251-03*		*ST-251-04*		*ST-251-05*		*ST-251-06*	
				5–7	10–13	5–7	10–12	5–7	10–12	5–7	10–12	5–7	10–12	5–7	10–12
VOC	Acetone	0.1	8000	0.0065 J	0.013	0.019	0.0057 J	0.029	0.0092 J	ND RE	ND RE	ND RE	ND RE	ND RE	ND RE
	Methyl Ethyl Ketone	0.1	48000	0.0094 J	0.015	ND	0.0032 J	0.0036 J	0.0064 J	ND RE	ND RE	ND RE	ND RE	ND RE	ND RE
	Methylene Chloride	0.005	93.3	0.0057	0.0038	0.0051	0.0014 J	ND	ND	ND RE	ND RE	ND RE	ND RE	ND RE	ND RE
	1,1,2,2-Tetrachloroethane	0.005	35	ND	ND	ND	ND	ND	0.0027 J	ND RE	ND RE	ND RE	ND RE	ND RE	ND RE
SVOC	di-n-Butylphthalate	0.7	8000	ND	ND	ND	ND	ND	ND	ND RE	ND RE	ND RE	0.28 RE	0.36 RE	0.54 RE
	Phenol	0.3	48000	0.19	ND	0.18	ND	0.3	0.15	0.17 RE	ND RE	0.2 RE	ND RE	0.15 RE	ND RE
TPH	Diesel Fraction	10	100	0.33	0.18	0.54	0.21	0.52	0.4	0.72 RE	0.99 RE	0.22 RE	0.340	0.8 RE	0.45 RE
METALS	Aluminum	13300	N/A	7420	5710	7310	4960	8090	6330	--	--	--	--	--	--
	Arsenic	N/A	0.4	ND	ND	ND	7.3	ND	ND	--	--	--	--	--	--
	Barium	496	5600	477	145	129	78.7	390	121	--	--	--	--	--	--
	Beryllium	0.83	0.2	0.44	0.33	0.44	0.21	0.44	0.43	--	--	--	--	--	--
	Calcium	119000	N/A	84800	44100	43500	24500	80300	30100	--	--	--	--	--	--
	Chromium, Total	14.9	400	7.3	16.5	6.9	6.5	8.6	5.5	--	--	--	--	--	--
	Cobalt	11.3	N/A	5.4	5.4	4.5	6.2	5.0	5.5	--	--	--	--	--	--
	Copper	135	N/A	64.1	87.0	17.7	49.7	8.9	17.4	--	--	--	--	--	--
	Iron	20900	N/A	10000	11000	10000	10600	10800	12600	--	--	--	--	--	--
	Lead	22.9	400	4.3	6.5	4.2	3.7	ND	6.9	--	--	--	--	--	--
	Magnesium	8730	N/A	6420	4480	4700	3790	7490	4970	--	--	--	--	--	--
	Manganese	435	400	169	229	142	276	171	271	--	--	--	--	--	--
	Nickel	54.4	1600	12.0	78.1	6.1	7.7	6.3	7.4	--	--	--	--	--	--
	Potassium	2730	N/A	1330	1270	1330	1320	1470	1610	--	--	--	--	--	--
	Sodium	519	N/A	243	143	102	116	269	165	--	--	--	--	--	--
	Vanadium	49.2	720	36.9	24.3	37.2	20.1	42.5	31.7	--	--	--	--	--	--
	Zinc	81.6	24000	44.5	52.7	27.0	39.9	24.9	32.6	--	--	--	--	--	--
OTHER	Moisture (%)			9.8	7.8	8.5	2.9	10.1	6.8	--	--	--	--	--	--
	pH			8.3	8.2	8.5	8.8	8.9	8.7	--	--	--	--	--	--

Ψ Complete table footnotes can be found after the last table in this section.

1 Complete laboratory analytical results including method detection limits are presented in the ITIR appendices.

2 Action Level Proposed Rule RCRA Subpart S Action Levels (55 FR 30814, 7/27/90).

*; TPH action level is 100 mg/kg adopted from NM UST regulations (USGS 2B Work Plan 3.6, NM EI Board, 1990). SW-8015 analyzes volatile and semivolatile petroleum hydrocarbon fractions separately. The total concentration of the two fractions analyzed under 8015 will be used to assess compliance with stipulated action levels for the purpose of this RFI.

PQL; Practical Quantitation Limits (defines VOC, SVOC and TPH).

pCi/g; Picocuries per gram.

VOC; Volatile Organic Compounds.

TPH; Total Petroleum Hydrocarbons.

RAD; Radionuclides.

ND; Not Detected above the method detection limit.

U; Accept data (positive results may be influenced by lab contamination).

RE; Resample.

NA; Not Analyzed

UTL; Upper Tolerance Limits (defines METALS).

HHRB; Human Health Risk Based.

SVOC; Semivolatile Organic Compounds.

FR; Field Replicate.

UJ; Estimated Nondetect.

J; Estimated value.

R; Reject NDs due to interference.

--; No Data.

sample at concentrations ranging from 0.21 to 0.44 mg/kg. All concentrations exceeded the HHRB action level of 0.2 mg/kg but were below the UTL of 0.83 mg/kg. These arsenic and beryllium concentrations may be naturally occurring at Kirtland AFB as discussed in Section 3.5.1.

Soil pH and Moisture

Soil pH ranged from 8.2 to 8.9. Soil moisture values ranged from 2.9 to 10.1 percent (Table 39-2).

39.5 Conclusions and Recommendations

Conclusions

- Four VOCs were detected in the original soil samples collected at ST-251. No concentrations exceeded HHRB action levels. No VOCs were detected in the resamples. Concentrations of the SVOCs di-n-butylphthalate and phenol did not exceed HHRB action levels.

- Diesel range hydrocarbons were detected in all samples at ST-251. No diesel range hydrocarbons were detected at concentrations exceeding the NMED action level of 100 mg/kg.

- Arsenic and beryllium were the only metals detected at concentrations exceeding HHRB action levels. None of the beryllium concentrations exceeded the UTL. There is no UTL value for arsenic. These concentrations of arsenic and beryllium appear to be naturally occurring throughout Kirtland AFB, as discussed in Section 4.2.2.

- ST-251 analytical results are not indicative of a release from this unit.

Recommendations

- Based on the RFI findings, no further action is necessary; therefore, Site ST-251 does not require further investigation. A No Further Action proposal should be prepared.

40.0 Sites ST-252, and ST-253, Oil/Water Separators

40.1 Site Background and Environmental Setting

OWSs ST-252 and ST-253 are in the western portion of Kirtland AFB outside near the southeast corner of building 20348, a tire shop (Figure 40-1). ST-252 and ST-253 are both made of concrete measuring 4.3 ft long, 3.6 ft wide, and 1.5 ft deep and have metal grate covers. The OWSs serve as sand traps and receive inflow from the wash rack area on the south side of the tire shop. Discharge is to the east and then north to a sanitary sewer system (Figure 40-1). The probability that the OWSs would overflow onto the surrounding area is low. Such an occurrence would require prolonged, heavy rainfall. If overflow did occur, it would cover the wash rack area then flow west over the asphalt parking lot. ST-252 and ST-253 were investigated on May 9, 1994.

Building 20348 is in the urban/industrial environmental zone, which is discussed in Section 2.0. Two production wells are located near these sites. Well KAFB-1 is 1,500 ft west, and well Eubank-1 is 5,700 ft east (Figure 2-11).

40.2 Study Area Investigation

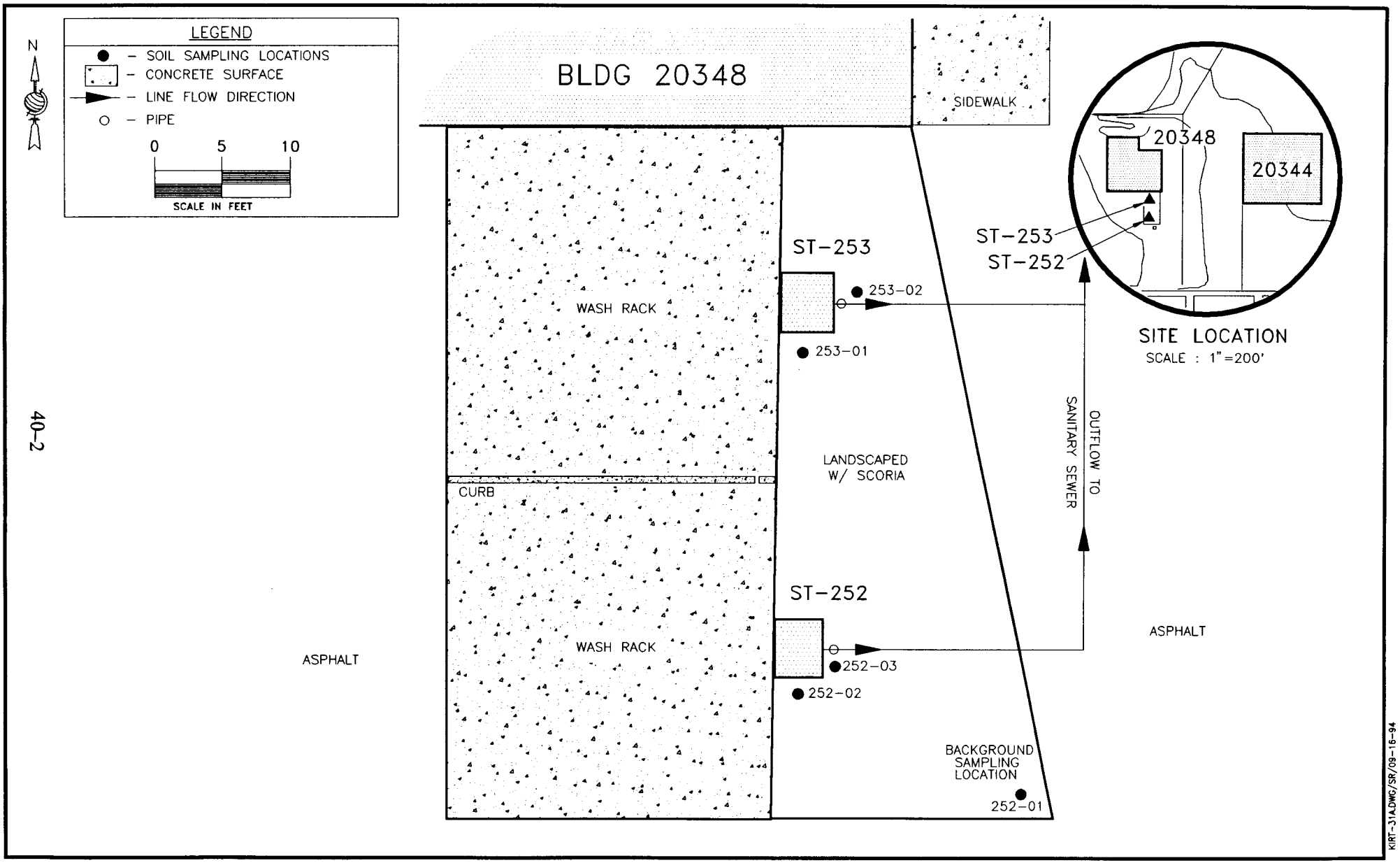
Possible source materials were not investigated. Previous investigations sampled source materials as described below.

40.2.1 Previous Investigations

In 1990, 1991, and 1992, a Kirtland AFB environmental contractor sampled materials present in these units. Table 40-1 shows analytes with reportable concentrations. In 1992, ST-252 contained lead and silver above the RCRA toxicity limit for the TCLP analysis and ST-253 contained cadmium and chromium above the limit. Full results for these samplings are presented in Appendix B of the USGS Stage 2B Work Plan (USGS, 1993a).

40.2.2 Data Gaps

The main objective of this investigation was to determine if contamination is present in the subsurface soil adjacent to these sites. A secondary objective was to determine these units' outflow and potential outflow runoff destinations.



SOIL SAMPLING LOCATIONS AT OIL/WATER SEPARATORS ST-252 & ST-253, BUILDING 20348

FIGURE 40-1

RCRA FACILITY INVESTIGATION STAGE 2B KIRTLAND AIR FORCE BASE, NEW MEXICO

Table 40-1. Reportable Analytes in OWSs ST-252 and ST-253.

Site Name	TPH (mg/kg)	TOX (mg/kg)	Silver (mg/kg)	Chromium (mg/kg)	Cadmium (mg/kg)	Lead (mg/kg)
	1991	1992	1992	1992	1992	1992
ST-252	ND	360	6.1	ND	ND	9.7
ST-253	155	188	ND	6.5	9.8	ND

ND = Not detected.

40.2.3 RFI Field Investigation

On May 9, 1994, five boreholes were drilled and sampled using a Geoprobe system. Borehole ST-252-01 was located southeast of ST-252 in an area assumed to be away from any known or suspected contamination to collect background concentration data for these sites. Boreholes were located as close as possible to each OWS outflow piping and on the south side of each OWS to characterize the soil adjacent to the units. Two sample intervals were collected in each borehole: one at a depth equal to, and the other 5 ft below the unit's base (i.e., 2 and 7 ft).

Sampling operations and sample handling procedures are described in Section 3.0. Borehole locations, sample depths, and replicate samples collected for the sites at building 20348 are listed in Table 40-2. Borehole logs are in Appendix C.

Table 40-2. Boreholes and Samples Collected at OWSs ST-252 and ST-253, Building 20348

Site	Borehole	Borehole Location	Sample Depths (ft)	PID/FID (ppm_v)[a,b]
ST-252	01	Background sampling borehole	2-4	0/0
			7-9	0.5/0
	02	Adjacent to OWS	2-4	0.5/0
			7-10	0.5/0
	03	Near OWS outflow	2-4	0/0
			7-10	0/0
ST-253	01	Adjacent to OWS	2-6[c]	0/0
			7-9	0/0
	02	Near OWS outflow	2-4	0.5/2
			12-14	0.5/0

a. ppm_v = parts-per-million volume (ml/L) as isobutylene for the PID and methane for the FID.
b. PID and FID readings are values above background values.
c. Replicate sample also collected at this interval in addition to normal sample.

40.2.4 Laboratory Analysis

Eleven soil samples, including replicates, were collected at these sites. These samples were analyzed for VOCs, SVOCs, TPH, metals, mercury (the expected contaminants associated with normal operations at this building), soil pH, and soil moisture. The four brass tubes in each 2-ft sample interval were field screened for possible contamination using gamma and beta-gamma meters, a PID, and an FID. Elevated PID and FID readings were measured in samples collected for laboratory analysis in boreholes ST-252-01, ST-252-02, and ST-253-02. The brass tube with the highest PID/FID reading measured in the sample interval was submitted for VOC analysis. The highest reading measured for the sample interval is listed in Table 40-2.

40.3 Site Characteristics

40.3.1 Geology

The building 20348 area is underlain by unconsolidated alluvial sediments. The sediments are predominantly silty sands to fine-grained sands and very fine-grained sands. Caliche was present in all boreholes as light to heavily-stained zones and patches and weathered biotite was common in some boreholes. Two 9-ft, one 10-ft, and one 14-ft-deep boreholes were drilled at ST-252 and ST-253. No borehole penetrated into the Santa Fe Group sediments that presumably underlie this area. A discussion of the general geology at Kirtland AFB is presented in Section 2.4.

As a result of OWS installation, it is probable that backfill material is present adjacent to each of these units to a depth equal to the unit's total depth. Borehole logs for this area are presented in Appendix C.

40.3.2 Hydrogeology

Groundwater beneath ST-252 and ST-253 is found within the Upper Santa Fe sediments and is generally thought to be unconfined in the upper portion of the aquifer. This area is within the HR1 saturated zone setting as defined by SNL studies (Figure 2-9) (SNL, 1994). Hydrologic characterization in this portion of Kirtland AFB is complicated by the presence of numerous production wells (Figure 2-11). It is probable that uniform groundwater conditions do not exist in this region. Local cones of depression associated with groundwater withdrawal have altered the groundwater flow direction in the vicinity of the well fields (Figure 2-7).

It is probable that the gradient is to the northwest. Two production wells are located near the OWS and area drain. Well KAFB-1 is 2,100 ft west and well Eubank-1 is 5700 ft east. Both are probably cross gradient of building 20348 (Figures 2-7 and 2-11). Depth to groundwater is estimated to be

approximately 350 ft below grade; however, shallower perched water zones may occur (Figure 2-10). Hydraulic conductivity within HR1 is estimated at 2 to 171 ft/day (SNL, 1994). A general discussion of the hydrogeology at Kirtland AFB is presented in Section 2.5.

40.4 Nature and Extent of Contamination

The following sections describe the nature and extent of contamination based on soil sampling results. Analytical results for soil samples at OWSs ST-252 and ST-253 are summarized in Tables 40-3 and 40-4, where only the reportable concentrations of detected analytes are listed. Full analytical results are presented in Appendix G. Laboratory validation reports are presented in Appendix K.

40.4.1 ST-252 Analytical Results

Organic Compounds

The following VOC analytes were detected in one or more of the soil samples collected at ST-252: acetone, bromomethane, methyl ethyl ketone, and methylene chloride. None of these compounds was detected at concentrations exceeding HHRB action levels (Table 40-3). These compounds were detected in associated QC samples and are believed to be the result of laboratory contamination. Di-n-butylphthalate and phenol were the only SVOC analytes detected in one or more of the soil samples collected at ST-252. Neither of these compounds was detected at levels exceeding HHRB action levels (Table 40-3). Phenol was detected in both samples from the background borehole ST-252-01. Di-n-butylphthalate was detected in three samples at concentrations ranging from 0.28 to 0.45 mg/kg.

Petroleum Hydrocarbons

Diesel range hydrocarbons were detected in all soil samples at ST-252 at concentrations ranging from 0.53 to 0.96 mg/kg. These concentrations did not exceed the NMED action level of 100 mg/kg (Table 40-3).

Metals

Copper (185 mg/kg) was detected above the UTL of 134.9 mg/kg; and zinc (99.1 mg/kg) was detected above the UTL of 81.6 mg/kg but below the HHRB action level of 24,000 mg/kg in the 7- to 10-ft sample from borehole ST-252-03. Barium (1,120 mg/kg) was detected above the UTL of 496.4 mg/kg in the 2- to 4-ft sample from borehole ST-252-03 but below the HHRB action level of 5600 mg/kg.

Table 40-3. Summary of Reportable Concentrations for Soil Analyses at OWS ST-252, Bldg. 20348, Kirtland AFB, New Mexico[Ψ,1] [Concentrations (mg/kg)]

Chemical Class	Analyte	PQL UTL	HHRB Action Level[2]	Borehole Number and Sample Depth Interval (ft)					
				ST-252-01		*ST-252-02*		*ST-252-03*	
				2–4	7–9	2–4	7–10	2–4	7–10
VOC	Acetone	0.1	8000	0.011 J	0.0042 J	ND	0.0079 J	ND	ND
	Bromomethane	0.01	32	0.0039 J	0.0016 J	ND	ND	ND	ND
	Methyl Ethyl Ketone	0.1	48000	ND	ND	ND	0.0028 J	ND	ND
	Methylene Chloride	0.005	93.3	0.0026 J	0.0014 J	0.0018 J	0.0028 J	0.0024 J	0.0012 J
SVOC	di-n-Butylphthalate	0.7	8000	ND	ND	0.410	0.280	ND	0.450
	Phenol	0.3	48000	0.360	0.190	0.220	ND	ND	ND
TPH	Diesel Fraction	10	100	0.73	0.96	0.89	0.96	0.74	0.53
METALS	Aluminum	13300	N/A	6120	10600	6420	7340	6050	14300
	Arsenic	N/A	0.4	ND	ND	7.1	ND	7.5	ND
	Barium	496	5600	367	146	416	228	1120	116
	Beryllium	0.83	0.2	0.23	0.55	0.33	0.43	0.33	0.80
	Cadmium	N/A	40	ND	0.77	ND	ND	0.66	0.68
	Calcium	119000	N/A	188000	39700	111000	34200	52300	46800
	Chromium, Total	14.9	400	5.5	10.3	6.6	7.2	4.4	12.9
	Cobalt	11.3	N/A	4.4	8.0	3.9	5.8	4.1	10.7
	Copper	135	N/A	24.8	21.9	14.1	10.1	9.4	185
	Iron	20900	N/A	4710	15100	7850	11000	7830	18700
	Lead	22.9	400	3.6	6.9	ND	5.9	4.0	11.9
	Magnesium	8730	N/A	9930	7570	4010	4020	2860	7620
	Manganese	435	400	44.8	252	95.9	164	73.8	447
	Nickel	54.4	1600	4.1	8.3	4.5	5.3	4.8	13.9
	Potassium	2730	N/A	623	1880	966	1250	799	2630
	Sodium	519	N/A	302	465	88.5	76.9	59.8	123
	Vanadium	49.2	720	16.7	49.0	22.5	35.5	22.0	41.3
	Zinc	81.6	24000	19.4	42.3	21.1	27.4	17.9	99.1
OTHER	Moisture (%)			13.8	8.6	9.5	6.2	8.9	2.1
	pH			8.4	8.7	8.1	8.2	8.1	8.2

Table 40-4. Summary of Reportable Concentrations for Soil Analyses at OWS ST-253, Bldg. 20348, Kirtland AFB, New Mexico[Ψ,1]
[Concentrations (mg/kg)]

Chemical Class	Analyte	PQL UTL	HHRB Action Level[2]	Borehole Number and Sample Depth Interval (ft)				
				ST-253-01			*ST-253-02*	
				2–6	2–6 FR	7–9	2–4	12–14
VOC	Acetone	0.1	8000	0.0046 U	0.0047 J	0.0020 J	ND	ND
	Methylene Chloride	0.005	93.3	0.0017 U	0.0014 J	0.0018 J	0.0018 J	0.0012 J
	Toluene	0.005	16000	ND	ND	ND	ND	0.0027 J
SVOC	di-n-Butylphthalate	0.7	8000	0.490	0.440	ND	0.350	0.280
	Phenol	0.3	48000	0.540	0.360	ND	0.230	ND
TPH	Diesel Fraction	10	100	1.0	1.3	0.84	0.82	1.1
METALS	Aluminum	13300	N/A	4930	4620	7440	4110	7330
	Barium	496	5600	538 J	183	109	124	129
	Beryllium	0.83	0.2	0.22	0.22	0.43	0.23	0.44
	Calcium	119000	N/A	73000 J	94100	41500	126000	24200
	Chromium, Total	14.9	400	3.2 J	2.9	6.5	3.2	7.6
	Cobalt	11.3	N/A	3.9 U	3.5	4.5	2.8	6.0
	Copper	135	N/A	14.8 J	14.9	13.7	25.0	23.1
	Iron	20900	N/A	6290 J	5320	9260	4790	11100
	Lead	22.9	400	ND	3.9	5.4	ND	4.8
	Magnesium	8730	N/A	2780	3670	4340	3000	4350
	Manganese	435	400	63.0	56.0	128	47.1	212
	Nickel	54.4	1600	ND	4.1	5.8	ND	7.7
	Potassium	2730	N/A	738	625	1210	574	1420
	Sodium	519	N/A	68.7 J	77.4	93.4	74.4	88.4
	Vanadium	49.2	720	17.7	17.3	26.5	14.8	21.2
	Zinc	81.6	24000	17.4 J	15.8	24.4	20.7	33.9
OTHER	Moisture (%)			10.0	10.6	7.9	11.2	8.8
	pH			8.2	8.3	8.3	8.2	8.3

1 Complete laboratory analytical results including method detection limits are presented in the ITIR appendices.

2 Action Level Proposed Rule RCRA Subpart S Action Levels (55 FR 30814, 7/27/90).

*; TPH action level is 100 mg/kg adopted from NM UST regulations (USGS 2B Work Plan 3.6, NM EI Board, 1990). SW-8015 analyzes volatile and semivolatile petroleum hydrocarbon fractions separately. The total concentration of the two fractions analyzed under 8015 will be used to assess compliance with stipulated action levels for the purpose of this RFI.

PQL; Practical Quantitation Limits (defines VOC, SVOC and TPH).

pCi/g; Picocuries per gram.

VOC; Volatile Organic Compounds.

TPH; Total Petroleum Hydrocarbons.

RAD; Radionuclides.

ND; Not Detected above the method detection limit.

U; Accept data (positive results may be influenced by lab contamination).

RE; Resample.

NA; Not Analyzed

UTL; Upper Tolerance Limits (defines METALS).

HHRB; Human Health Risk Based.

SVOC; Semivolatile Organic Compounds.

FR; Field Replicate.

UJ; Estimated Nondetect.

J; Estimated value.

R; Reject NDs due to interference.

--; No Data.

Beryllium (0.23 to 0.80 mg/kg) was detected in all boreholes above the HHRB action level of 0.2 mg/kg but below the UTL concentration of 0.83. The 2- to 4-ft sample from boreholes ST-252-02 and ST-252-03 contained arsenic at concentrations of 7.1 mg/kg and 7.5 mg/kg, respectively. These concentrations are above the HHRB action level of 0.4 mg/kg (Table 40-3). These beryllium and arsenic concentrations may be naturally occurring at Kirtland AFB as discussed in Section 4.2.2.

Soil pH and Moisture

Soil pH ranged from 8.1 to 8.7. Soil moisture values ranged from 2.1 to 13.8 percent (Table 40-3).

40.4.2 ST-253 Analytical Results

Organic Compounds

The following VOC analytes were detected in one or more of the soil samples collected at ST-253: acetone, toluene, and methylene chloride. None of these compounds was detected at concentrations exceeding HHRB action levels (Table 40-4). These compounds were detected in associated QC samples and are believed to be the result of laboratory contamination.

Di-n-butylphthalate and phenol were the only SVOC analytes detected in one or more of the soil samples collected at ST-253. Neither of these compounds was detected at concentrations exceeding HHRB action levels (Table 40-4).

Petroleum Hydrocarbons

Diesel range hydrocarbons were detected in all soil samples at ST-253 at concentrations ranging from 0.82 to 1.3 mg/kg. These concentrations did not exceed the NMED action level of 100 mg/kg (Table 40-4).

Metals

Barium (538 mg/kg) was detected at a concentration below the HHRB action level of 5600 mg/kg but above the UTL of 496.4 mg/kg, in the 2- to 6-ft sample from borehole ST-253-01.

Beryllium (0.22 to 0.44 mg/kg) was detected in all samples at concentrations above the HHRB action level of 0.2 mg/kg but below the UTL concentration of 0.83 mg/kg (Table 40-4).

Soil pH and Moisture

Soil pH ranged from 8.2 to 8.3. Soil moisture values ranged from 7.9 to 11.2 percent (Table 40-4).

40.5 Conclusions and Recommendations

Conclusions

- Five VOCs were detected in soil samples at these sites; however, all concentrations are below the HHRB action levels. Two SVOCs (phenol and di-n-butylphthalate) were detected, but at concentrations below the HHRB action levels.

- Diesel range hydrocarbons were detected in all soil samples from ST-252 and ST-253. None of the detections exceeded the NMED action level of 100 mg/kg.

- Arsenic and beryllium were the only metals detected at concentrations above the HHRB action levels. Arsenic was detected in two samples at ST-252. Beryllium was detected in every sample. These concentrations of beryllium and arsenic appear to be naturally occurring throughout Kirtland AFB as discussed in Section 4.2.2.

- The analytical results for ST-252 and ST-253 are not indicative of a release from either unit.

Recommendations

- Based on the findings of the RFI, no further action is necessary; therefore, Sites ST-252 and ST-253 do not require further investigation. No Further Action proposals should be prepared for these sites.

41.0 Site ST-254, Oil/Water Separator

41.1 Site Background and Environmental Setting

OWS ST-254 is in the western portion of Kirtland AFB outside on the north side of building 20365, a car wash. ST-254 is a concrete unit 9 ft long, 6 ft wide, and 6 ft deep. The unit has two compartments, a metal lid, and individual manholes for each compartment (Figure 41-1). The unit receives inflow from the drains inside the car wash bay area and discharges north to the sanitary sewer system. The probability that the OWS would overflow onto the surrounding area is low. Such an occurrence would require prolonged, heavy rainfall. If overflow did occur, it would drain southward over an asphalt parking lot. ST-254 was investigated on June 1, 1994.

Building 20365 is located in the urban/industrial environmental zone, which is discussed in Section 2.0. Three production wells are located near this site. Well KAFB-1 is located 900 ft west, well Sandia 6 is 3,800 ft east-southeast, and well Eubank-1 is 6,400 ft east (Figure 2-11).

41.2 Study Area Investigation

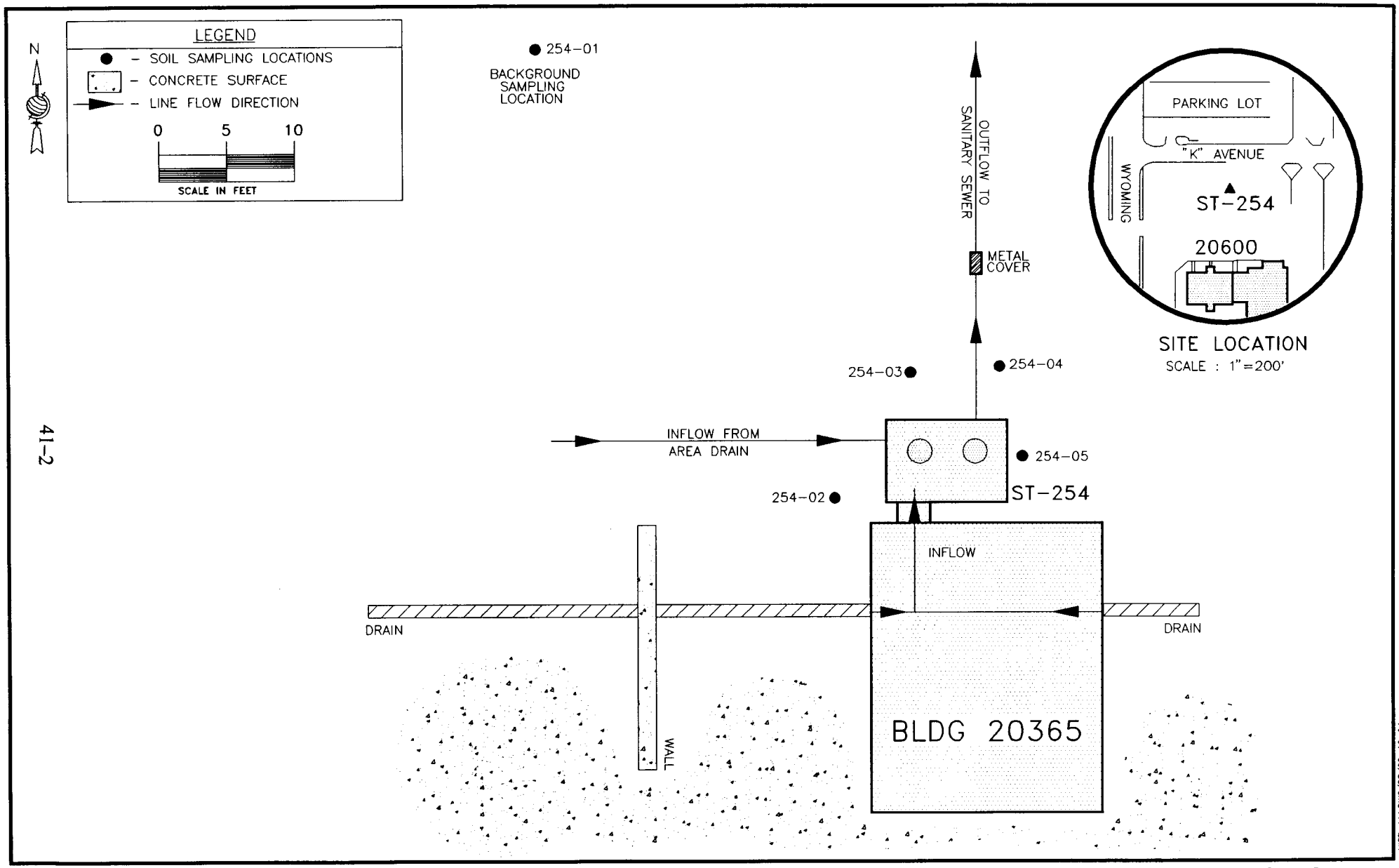
Possible source materials were not investigated in this study. Previous investigations sampled source materials as described below.

41.2.1 Previous Investigations

In 1990, 1991, and 1992, a Kirtland AFB environmental contractor sampled materials present in OWS ST-254. A concentration of 220,000 mg/kg for TPH was reported for the 1991 sampling. The 1992 sampling contained lead at 44 mg/kg, cadmium at 1.8 mg/kg, chromium at 10.7 mg/kg, and selenium at 2.2 mg/kg. All were greater than the RCRA toxicity limit for TCLP analysis. Full results for these samplings are presented in Appendix B of the USGS Stage 2B Work Plan (USGS, 1993a).

41.2.2 Data Gaps

The main objective of this investigation was to determine if contamination is present in the subsurface soil adjacent to OWS ST-254. A secondary objective was to determine the unit's outflow and potential outflow runoff destinations.



SOIL SAMPLING LOCATIONS AT OIL/WATER SEPARATOR ST-254, BUILDING 20365

FIGURE 41-1

RCRA FACILITY INVESTIGATION STAGE 2B KIRTLAND AIR FORCE BASE, NEW MEXICO

41.2.3 RFI Field Investigation

On June 1, 1994, five boreholes were drilled and sampled using a Geoprobe system. Borehole ST-254-01 was drilled northwest of building 20365 to collect background concentration data (Figure 41-1). This location was assumed to be in an area away from any known or suspected contamination. Underground utilities prevented drilling as close to the unit as desired. Borehole ST-254-04 was located as close as possible to the outflow piping while ST-254-02 was as close as possible to the inflow piping. Two boreholes were located to characterize the soil adjacent to the units (Figure 41-1). Two sample intervals were collected in each borehole; one at a depth equal to, and the other 5 ft below the unit's base (i.e., 6 and 11 ft).

Sampling operations and sample handling procedures are described in Section 3.0. Borehole locations, sample depths, and replicate samples collected at OWS ST-254 are shown in Table 41-1. Borehole logs are in Appendix C.

Table 41-1. Boreholes and Samples Collected at OWS ST-254, Building 20365

Site	Borehole	Borehole Location	Sample Depths (ft)
ST-254	01	Background sampling location	6-8
			11-13
	02	Near OWS inflow	6-9
			11-13
	03	Adjacent to OWS	6-8
			11-13
	04	Near OWS outflow	6-10[a]
			11-15
	05	Adjacent to OWS	6-8
			11-13

a. Replicate sample also collected in this depth interval.

41.2.4 Laboratory Analysis

Eleven soil samples, including replicates, were collected at this site. These samples were analyzed for VOCs, SVOCs, TPH, metals, and mercury (the expected contaminants associated with normal operations at this facility), soil pH, and soil moisture. The four brass tubes in each 2-ft sample interval were field screened for possible contamination using gamma and beta-gamma meters, a PID, and an FID. No readings above background values were measured with these instruments.

41.3 Site Characteristics

41.3.1 Geology

The building 20365 area is underlain by unconsolidated alluvial sediments. The sediments are predominantly silty sand to very fine-grained sands and occasional clayey sands. Caliche was present in all boreholes as light to heavily-stained zones and patches. One 15- ft and four 13- ft-deep boreholes were drilled at ST-254. No borehole penetrated into the Santa Fe Group sediments that presumably underlie this area. A discussion of the general geology at Kirtland AFB is presented in Section 2.4.

As a result of OWS installation, it is possible that backfill material is present adjacent to this unit to a depth equal to the unit's depth. Borehole logs for this area are presented in Appendix C.

41.3.2 Hydrogeology

Groundwater beneath ST-254 is found within the Upper Santa Fe sediments and is generally thought to be unconfined in the upper portion of the aquifer. This area is within the HR1 saturated zone setting as defined by SNL studies (Figure 2-9) (SNL, 1994). Hydrologic characterization in this portion of Kirtland AFB is complicated by the presence of numerous production wells (Figure 2-11). It is probable that uniform groundwater conditions do not exist in this region. Local cones of depression associated with groundwater withdrawal have altered the groundwater flow direction in the vicinity of the well fields (Figure 2-7).

It is probable that the gradient is to the northwest. Three production wells are located near ST-254. Well KAFB-1 is located cross gradient 900 ft west, well Sandia 6 is upgradient 3,800 ft east-southeast, and well Eubank-1 is cross gradient 6,400 ft east (Figures 2-7 and 2-11). Depth to groundwater is estimated to be approximately 350 ft below grade; however, shallower perched water zones may occur (Figure 2-10). Hydraulic conductivity within HR1 is estimated at 2 to 171 ft/day (SNL, 1994). A general discussion of the hydrogeology at Kirtland AFB is presented in Section 2.5.

41.4 Nature and Extent of Contamination

The following section describes the nature and extent of contamination based on soil sampling results. Analytical results for soil samples at OWS ST-254 are summarized in Table 41-2, where only the reportable concentrations of detected analytes are listed. Full analytical results are presented in Appendix G. Laboratory validation reports are presented in Appendix K.

Table 41-2. **Summary of Reportable Concentrations for Soil Analyses at OWS ST-254, Bldg. 20365, Kirtland AFB, New Mexico[Ψ,1]**
[Concentrations (mg/kg)]

Chemical Class	Analyte	PQL	HHRB Action	Borehole Number and Sample Depth Interval (ft)										
				ST-254-01		*ST-254-02*		*ST-254-03*		*ST-254-04*			*ST-254-05*	
		UTL	Level[2]	6–8	11–13	6–9	11–13	6–8	11–13	6–10	6–10 FR	11–15	6–8	11–13
VOC	Acetone	0.1	8000	ND	ND	ND	ND	ND	0.0081 J	0.012 U	0.0094 J	ND	0.012	0.01 U
	Chloroform	0.005	115	ND	ND	ND	ND	ND	ND	ND	ND	0.0017 J	ND	ND
	Methylene Chloride	0.005	93.3	0.0054 U	0.0057 U	0.0062	ND	0.0065	0.0048	0.0065 U	0.0054	0.0045	0.0058	0.0064 U
	Toluene	0.005	16000	ND	ND	ND	ND	ND	ND	ND	0.0082	ND	ND	ND
SVOC	di-n-Butylphthalate	0.7	8000	ND	ND	ND	ND	ND	0.50	0.38 J	ND	ND	0.23	0.45 J
	Phenol	0.3	48000	0.27	0.20	0.30	0.21	ND	0.22	0.22	ND	0.24	0.30	ND
TPH	Diesel Fraction	10	100	0.88	0.40	0.44	1.20	0.81	0.78	0.64	0.74	0.77	0.55	0.59
METALS	Aluminum	13300	N/A	7390 J	8200 J	6360	5670	7040	6940	7290 J	9490	8270	7570	8750 J
	Barium	496	5600	50.8	142	551	91.9	151	130	195	129	94.9	85.9	106
	Beryllium	0.83	0.2	ND	0.55	0.33	0.32	0.44	0.43	0.54	0.55	0.53	0.44	0.59
	Calcium	119000	N/A	55700 J	21000 J	67400	23100	67900	18500	29500 J	35200	19100	53500	28800 J
	Chromium, Total	14.9	400	10.5 J	9.5 J	11.5	6.0	8.2	8.3	8.1 J	9.2	9.5	7.2	10.1 J
	Cobalt	11.3	N/A	6.6	7.1	4.5	4.6	4.9	6.6	6.6	6.7	7.7	6.8	7.0
	Copper	135	N/A	10.5 J	65.2 J	28.8	25.8	35.8	46.9	18.3 J	15.8	31.6	28.3	39.9 J
	Iron	20900	N/A	11700 J	16200 J	10200	10300	10700	13100	15000 J	14700	15400	11600	14500 J
	Lead	22.9	400	ND	7.3	4.5	5.6	5.5	6.6	6.4	6.6	6.2	8.1	8.2
	Magnesium	8730	N/A	5290	5220	5070	3700	7360	4480	5520	5810	4760	5460	5250
	Manganese	435	400	262	292	128	229	161	250	307	305	261	252	283
	Nickel	54.4	1600	ND J	10.3 J	10.9	6.6	9.2	8.3	9.7 J	9.6	8.4	8.0	9.7 J
	Potassium	2730	N/A	1900 J	2040 J	813	1310	1210	1650	1470 J	2020	1890	1760	1930 J
	Sodium	519	N/A	113 J	292 J	145	91.1	141	109	628 J	289	191	113	123 J
	Vanadium	49.2	720	30.4 J	30.1 J	30.0	18.3	35.8	22.1	24.2 J	34.9	27.4	30.4	24.7 J
	Zinc	81.6	24000	33.1 J	54.2 J	29.1	39.2	33.4	48.2	38.2 J	39.8	42.3	40.4	44.6 J
OTHER	Moisture (%)			9.4	8.5	9.4	6.6	9.7	7.1	7.4	9.5	5.2	8.6	14.6
	pH			8.6	9.3	9.8	8.4	8.5	8.7	8.6	8.6	8.6	8.4	8.3

1 Complete laboratory analytical results including method detection limits are presented in the ITIR appendices.

2 Action Level Proposed Rule RCRA Subpart S Action Levels (55 FR 30814, 7/27/90).

*; TPH action level is 100 mg/kg adopted from NM UST regulations (USGS 2B Work Plan 3.6, NM EI Board, 1990). SW-8015 analyzes volatile and semivolatile petroleum hydrocarbon fractions separately. The total concentration of the two fractions analyzed under 8015 will be used to assess compliance with stipulated action levels for the purpose of this RFI.

PQL; Practical Quantitation Limits (defines VOC, SVOC and TPH).

pCi/g; Picocuries per gram.

VOC; Volatile Organic Compounds.

TPH; Total Petroleum Hydrocarbons.

RAD; Radionuclides.

ND; Not Detected above the method detection limit.

U; Accept data (positive results may be influenced by lab contamination).

RE; Resample.

NA; Not Analyzed

UTL; Upper Tolerance Limits (defines METALS).

HHRB; Human Health Risk Based.

SVOC; Semivolatile Organic Compounds.

FR; Field Replicate.

UJ; Estimated Nondetect.

J; Estimated value.

R; Reject NDs due to interference.

--; No Data.

Organic Compounds

The following VOC analytes were detected in one or more of the soil samples collected at ST-254: acetone, chloroform, toluene, and methylene chloride. None of these compounds was detected at levels exceeding HHRB action levels (Table 41-2). Chloroform (0.0017 mg/kg) was only detected in the 11- to 15-ft sample from borehole ST-254-04. Toluene (0.0082 mg/kg) was only detected in the 6- to 10-ft replicate sample from borehole ST-254-04. These compounds were detected in associated QC samples and are believed to be the result of laboratory contamination.

Di-n-butylphthalate and phenol were the only SVOC analytes detected in one or more soil samples collected at ST-254. Neither of these compounds was detected at concentrations exceeding HHRB action levels (Table 41-2).

Petroleum Hydrocarbons

Diesel range hydrocarbons were detected in all soil samples at ST-254 at concentrations ranging from 0.4 to 1.2 mg/kg. These concentrations did not exceed the NMED action level of 100 mg/kg (Table 41-2).

Metals

The 6- to 9- ft soil sample at ST-254-02 contained barium (551 mg/kg) below the HHRB action level of 5,600 mg/kg but above the UTL of 496.4 mg/kg.

Beryllium was detected in 10 of the 11 soil samples at ST-254. All detections were above the HHRB action level of 0.2 mg/kg but below the UTL of 0.83 mg/kg. Beryllium concentrations ranged from 0.32 to 0.59 mg/kg (Table 41-2). These concentrations of beryllium may be naturally occurring at Kirtland AFB as discussed in Section 4.2.2.

Soil pH and Moisture

Soil pH ranged from 8.4 to 9.8. Soil moisture values ranged from 5.2 to 14.6 percent (Table 41-2).

41.5 Conclusions and Recommendations

Conclusions

- Four VOCs were detected in soil samples at ST-254; however, all concentrations were below the HHRB action levels. Two SVOCs (phenol and di-n-butylphthalate) were detected, but at concentrations well below the HHRB action levels.

- Diesel range hydrocarbons were detected in all soil samples from ST-254. None of the concentrations exceeded the NMED action level of 100 mg/kg.

- Beryllium was the only metal detected at concentrations above the HHRB action levels. Beryllium was detected in all but one soil sample. These concentrations of beryllium appear to be naturally occurring throughout Kirtland AFB.

- ST-254 analytical results are not indicative of a release from this unit.

Recommendations

- Based on the results of the RFI, no further action is necessary; therefore, Site ST-254 does not require further investigation. A No Further Action proposal should be prepared.

42.0 Site ST-259, Area Drain and ST-260, Oil/Water Separator

42.1 Site Background and Environmental Setting

Area drain ST-259 and OWS ST-260 are outside in the middle and southwest corner of a wash rack, respectively, west of building 20422 in the western portion of the Kirtland AFB (Figure 42-1). ST-259 and ST-260 were investigated on June 20-22, 1994. ST-259 and ST-260 were repaired in November 1994.

Area drain ST-259 is made of concrete measuring 6 ft long, 3.5 ft wide, and 6 ft deep with a metal grate cover. The wash rack was reported to have standing water on August 27, 1992 (USGS, 1993a) and when the investigation took place, the unit also had standing water due to recent rainfall. ST-259 receives flow from the wash rack and discharges southwest to OWS ST-260. The OWS is made of concrete measuring 9.5 ft long, 3.5 ft wide, and 5 ft deep with two compartments, each with a solid metal cover. ST-260 discharges to a sanitary sewer lateral east of building 20422 (Figure 42-1). The probability that these units would overflow onto the surrounding area is low. Such an occurrence would require prolonged, heavy rainfall. If overflow did occur, runoff would drain to the south or the north and infiltrate the surrounding soil.

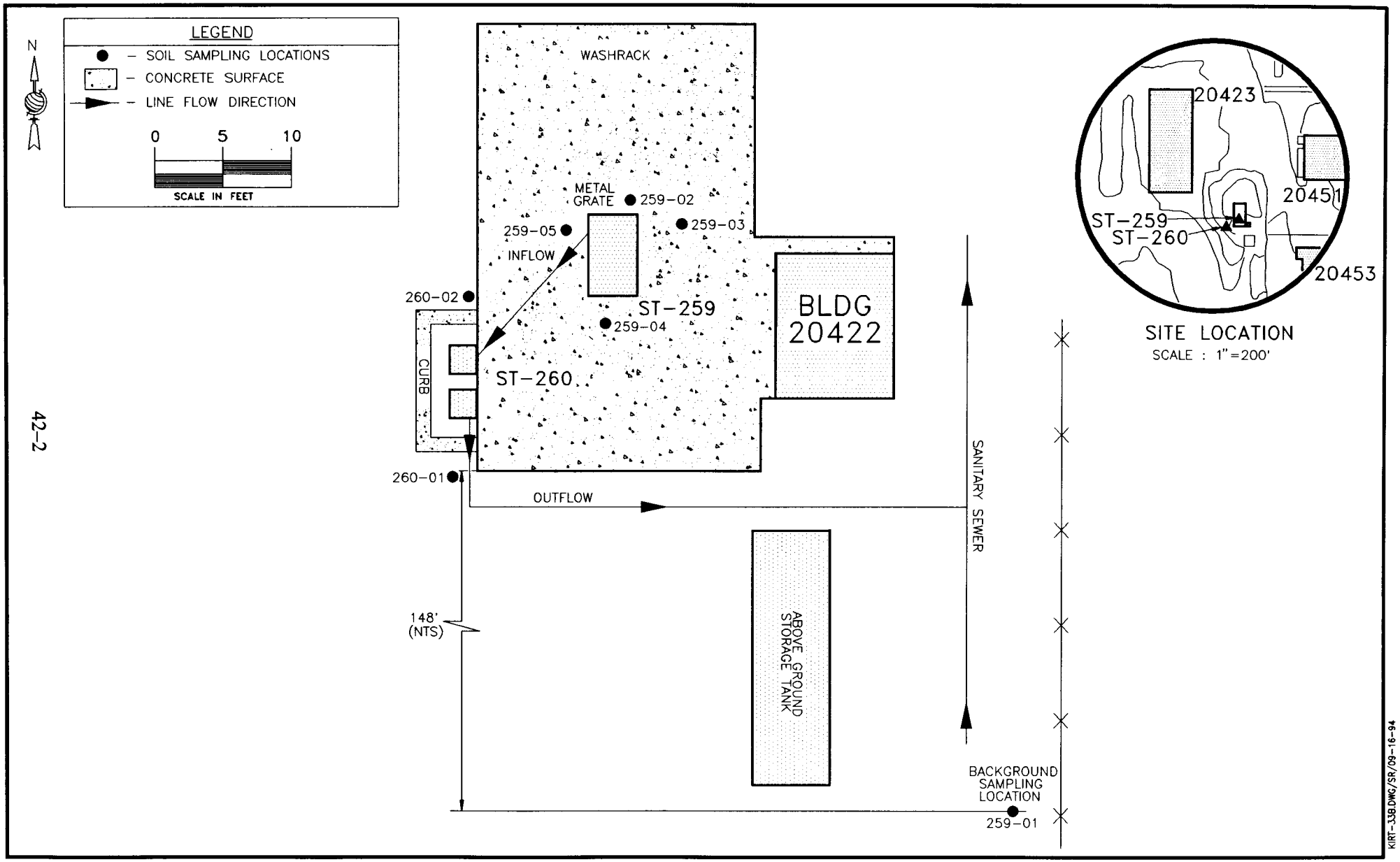
Building 20422 is in the urban/industrial environmental zone. This environmental setting is discussed in Section 2.0. Two production wells are located near these sites. Well KAFB-1 is 2,550 ft northwest, and well Sandia 6 is 3,000 ft east-southeast (Figure 2-11).

42.2 Study Area Investigation

Possible source materials were not investigated in this study. Previous investigations sampled source materials as described below.

42.2.1 Previous Investigations

In 1991 and 1992, a Kirtland AFB environmental contractor sampled materials (sludge) present in these units. OWS ST-260 was also sampled in 1990. Table 42-1 shows analytes with reportable concentrations. In 1992 ST-260 contained lead, silver, arsenic, and chromium, all above the RCRA toxicity limits set for TCLP analysis. Full results for these sampling efforts are presented in Appendix B of the USGS Stage 2B Work Plan (USGS, 1993a).



SOIL SAMPLING LOCATIONS AT AREA DRAIN ST-259, AND OIL/WATER SEPARATOR ST-260, BUILDING 20422

FIGURE 42-1

RCRA FACILITY INVESTIGATION STAGE 2B KIRTLAND AIR FORCE BASE, NEW MEXICO

Table 42-1. Reportable Analytes in Area Drain ST-259 and OWS ST-260, Building 20422

Site Name	TPH (mg/kg)	TOX (mg/kg)	Arsenic (mg/kg)	Chromium (mg/kg)	Silver (mg/kg)	Lead (mg/kg)
	1991	1992	1992	1992	1992	1992
ST-259	ND	ND	ND	ND	ND	ND
ST-260	157	303	12.7	6.6	6.5	33

ND = Not Detected.

42.2.2 Data Gaps

The main objective of this investigation was to determine if contamination is present in the subsurface soil adjacent to these sites. A secondary objective was to determine the unit's outflow and potential surface runoff destinations.

42.2.3 RFI Field Investigation

On June 20-22, 1994, seven boreholes were drilled and sampled using a Geoprobe system. One borehole was located south-southeast of building 20422 in an area away from any known or suspected contamination to collect background concentration data for these sites. Three boreholes were located as close as possible to the inflow and outflow piping of these units. Three other boreholes were drilled on different sides of the area drain. Two sample intervals were collected in each borehole. The OWS sample intervals were at a depth equal to, and 5 ft below the base of the unit (i.e., 5 and 10 ft). The area drain sample intervals were at depths 3 ft and 10 ft below the unit's base (i.e., 9 and 16 ft).

When a depth of 2 to 3 ft below grade was reached while drilling borehole ST-259-02, water was seen entering the borehole and drilling was stopped. The water level in the area drain was observed to drop and equilibrate with the water level in the borehole. A water sample, which was collected using a disposable bailer, was designated as "liquid from the vadose zone." The next day, another boring was drilled and sampled about 1 ft away from the original location and designated as ST-259-02. No cracks could be seen in the area drain sidewalls and no other borings encountered water at these sites.

USEPA representatives collected split samples from all boreholes associated with area drain ST-259 and OWS ST-260. A split of the liquid from the vadose zone sample, collected at ST-259-02, was also given to the USEPA representatives.

Sampling operations and sample handling procedures are described in Section 3.0. Borehole locations, sample depths, and replicate samples collected for the sites at building 20422 are listed in Table 42-2. Borehole logs are in Appendix C.

Table 42-2. Boreholes and Samples Collected at Area Drain ST-259, and OWS ST-260, Building 20422

Site	Borehole	Borehole Location	Sample Depths (ft)	PID/FID[a,b] (ppm_v)
ST-259	01	Background sampling location	9-13	3/10
			16-20	1/5
	02	Adjacent to separator	0-0[c]	NA/NA
			9-13[d]	0/1
			16-20	0/0
	03	Adjacent to separator	10-15	0/0
			16-20	0/0
	04	Adjacent to separator	9-13	300[e]/2
			16-20	0/2
	05	Near area drain outflow	9-13	0/1
			16-20	0/0
ST-260	01	Near OWS inflow	5-9	12/3.5
			10-14	3/3.5
	02	Near OWS outflow	5-9	20/3
			10-14	0/0

a. ppm_v = parts-per-million volume (ml/L) as isobutylene for the PID and as methane for the FID.
b. PID and FID readings are values above background values.
c. Liquid from vadose zone sample.
d. Replicate sample collected in a borehole 0.5 ft north of boring ST-259-02.
e. High PID readings may be due to moisture.
NA = Not Analyzed.

42.2.4 Laboratory Analysis

Sixteen soil samples, including replicates, and one liquid from the vadose zone sample, were collected at these sites. These samples were analyzed for VOCs, SVOCs, TPH, metals, and mercury (the expected contaminants associated with normal operations at this facility), soil pH, and soil moisture. The liquid from the vadose zone sample was not analyzed for pH or moisture. The four brass tubes in each 2-ft sample interval were field screened for possible contamination using gamma and beta-gamma meters, a PID, and an FID. Elevated PID and FID readings were measured in samples collected for lithologic description and laboratory analysis in boreholes ST-259-01, ST-259-02, ST-259-04, ST-260-01, and ST-260-02. The brass tube with the highest PID/FID

reading measured in the sample interval was submitted for VOC analysis. The highest PID/FID readings measured for each sample interval are listed in Table 42-2.

42.3 Site Characteristics

42.3.1 Geology

The building 20422 area is underlain by unconsolidated alluvial sediments. The sediments are predominantly silty sand to gravely sand, grading to clayey silts at the deeper depths. Caliche was present in some boreholes as light to heavily-stained zones and patches. Five 20-ft-deep boreholes were drilled at ST-259. Two 14-ft-deep boreholes were drilled at ST-260. No borehole penetrated into the Santa Fe Group sediments that presumably underlie this area. A discussion of the general geology at Kirtland AFB is presented in Section 2.4.

As a result of wash rack and OWS installation, it is probable that backfill material is present adjacent to these units to a depth equal to the unit's depth. Borehole logs for this area are presented in Appendix C.

42.3.2 Hydrogeology

Groundwater beneath ST-259 and ST-260 is found within the Upper Santa Fe sediments and is generally thought to be unconfined in the upper portion of the aquifer. This area is within the HR1 saturated zone setting as defined by SNL (Figure 2-9) (SNL, 1994). Hydrologic characterization in this portion of Kirtland AFB is complicated by the presence of numerous production wells (Figure 2-11). Uniform groundwater conditions in this region probably do not exist. Local cones of depression associated with groundwater withdrawal have altered the groundwater flow direction in the vicinity of the well fields. The gradient is probably to the northwest (Figure 2-7).

Two production wells are located near the OWS and area drain. Well KAFB-1 is downgradient 2,550 ft northwest of building 20422, and well Sandia 6 is upgradient 3,000 ft east-southeast of building 20422 (Figures 2-7 and 2-11). Depth to groundwater is estimated to be approximately 350 ft below grade; however, shallower perched water zones may occur (Figure 2-10). Hydraulic conductivity in the vicinity of HR1 is estimated at 2 to 171 ft/day (SNL, 1994). A more detailed discussion of the hydrogeology at Kirtland AFB is presented in Section 2.5.

42.4 Nature and Extent of Contamination

The following sections describe the nature and extent of contamination based on sampling results. Analytical results for samples at these sites are summarized in Table 42-3 and 42-4, where only the reportable concentrations of detected analytes are listed. Full analytical results are presented in Appendix G. Laboratory validation reports are presented in Appendix K.

42.4.1 ST-259 Analytical Results

Organic Compounds

Acetone and methylene chloride were the only VOC analytes detected in one or more of the soil samples collected at ST-259. None of these compounds was detected at concentrations exceeding HHRB action levels (Table 42-3). These compounds were detected in associated QC samples and are believed to be the result of laboratory contamination, as discussed in Section 3.5.1.

The only SVOCs detected in soil samples were bis(2)ethylhexyl phthalate and di-n-butylphthalate. Bis(2)ethylhexyl phthalate (0.77 mg/kg) was only detected in the 9- to 13-ft soil sample in borehole ST-259-04 and di-n-butyl phthalate (0.26 mg/kg) was only detected in the 16- to 20-ft soil sample from borehole ST-259-05. Neither of these SVOCs was detected at concentrations exceeding the HHRB action levels.

Petroleum Hydrocarbons

Diesel range hydrocarbons were detected in all of the soil samples at ST-259 at concentrations ranging from 0.35 to 0.78 mg/kg. Gasoline range hydrocarbons were detected in soil samples from ST-259-01, ST-259-03, ST-259-04 and ST-259-05 at concentrations ranging from 0.13 to 3.1 mg/kg. These concentrations did not exceed the NMED action level of 100 mg/kg (Table 42-3).

Metals

The 9- to 13-ft soil sample at ST-259-04 contained copper at 269 mg/kg and zinc at 118 mg/kg above their respective UTL concentrations but below HHRB action levels.

Beryllium (0.41 to 0.81 mg/kg) was detected in all soil samples above the HHRB action level of 0.2 mg/kg but below the UTL concentration of 0.83 mg/kg. These concentrations of beryllium may be naturally occurring at Kirtland AFB as discussed in Section 4.2.2.

Table 42-3. Summary of Reportable Concentrations for Soil Analyses at Area Drain ST-259, Bldg. 20422, Kirtland AFB, New Mexico[Ψ,1]
[Concentrations (mg/kg) ^;concentration in µg/L-sample is liquid]

Chemical Class	Analyte	PQL	HHRB Action	Borehole Number and Sample Depth Interval (ft)											
				ST-259-01		*ST-259-02*				*ST-259-03*		*ST-259-04*		*ST-259-05*	
		UTL	Level[2]	9-13	16-20	0-0^	9-13	9-13 FR	16-20	10-15	16-20	9-13	16-20	9-13	16-20
VOC	Acetone	0.1	8000	0.0084 J	0.0076 J	110	ND	ND	ND	0.011	0.01 J	ND	ND	0.0056 J	0.0073 J
	Carbon Disulfide	0.005	8000	ND	ND	3.1 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene	0.005	8000	ND	ND	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Ethyl Ketone	0.1	48000	ND	ND	30	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl Isobutyl Ketone	0.05	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methylene Chloride	0.005	93.3	0.0096	0.012	4.6	0.0052	0.057	0.009	0.0089	0.012	0.0027 J	0.0027 J	0.0028 J	0.0069
	Toluene	0.005	16000	ND	ND	51	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Total Xylenes	0.005	160000	ND	ND	22	ND	ND	ND	ND	ND	ND	ND	ND	ND
SVOC	Bis(2-Ethyhexyl)Phthalate	0.7	50	ND	ND	ND	ND	ND	ND	ND	ND	0.77	ND	ND	ND
	di-n-Butylphthalate	0.7	8000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.26
TPH	Diesel Fraction	10	100	0.58	0.49	0.56	0.48	0.55	0.63	0.78	0.35	1.3	0.9	0.6	1.2
	Gasoline Fraction	1	100	3.1	0.59	0.18	ND	ND	ND	1.1	0.14	ND	0.13	0.13	ND
METALS	Aluminum	13300	N/A	4560	5550	239000	3760	4020	9890	5480	10700	4600	10700	4240	8320
	Antimony	N/A	32	ND	ND	356	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	N/A	0.4	ND	ND	116	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Barium	496	5600	54.5	175	11600	39.4	79.4	258	83.4	209	48.0	154	41.9	141
	Beryllium	0.83	0.2	0.51	0.52	11.0	0.41	0.41	0.79	0.53	0.81	0.41	0.79	0.41	0.64
	Cadmium	N/A	40	ND	ND	21.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Calcium	119000	N/A	27100	24000	2820000	23700	44600	4480	45900	33000	28400	23400	30600	20400
	Chromium, Total	14.9	400	9.0	6.9	242	4.8	6.4	12.5	14.6	10.3	5.9	12.3	6.2	10.7
	Cobalt	11.3	N/A	9.4	7.4	131	7.7	6.5	8.3	5.8	7.8	6.2	8.3	4.9	7.8
	Copper	135	N/A	130	52.2	342	74.8	108	26.5	107	36.4	269	23.9	70.6	52.2
	Iron	20900	N/A	14500	14000	210000	10700	10900	17300	14200	17100	8980	16400	9330	16700
	Lead	22.9	400	3.6	6.1	335	4.1	4.4	7.4	4.8	9.2	4.3	7.5	3.5	3.9
	Magnesium	8730	N/A	3030	4090	184000	2740	3020	6100	3820	6400	3050	6030	2850	4920
	Manganese	435	400	230	254	4200	209	263	274	263	332	234	313	230	293
	Nickel	54.4	1600	5.7	7.0	287	8.0	27.7	11.5	48.8	12.4	4.3	12.7	5.6	10.2
	Potassium	2730	N/A	1330	1520	73300	884	1200	2060	1360	2140	1530	2180	1160	1990
	Silver	N/A	400	ND	ND	8.0	ND	ND	ND	ND	ND	0.31	0.34	0.31	ND
	Sodium	519	N/A	72.9	181	125000	65.6	88.1	114	120	116	67.6	119	84.0	97.7
	Vanadium	49.2	720	26.9	24.8	632	30.4	25.2	37.2	35.0	33.8	21.6	29.1	19.6	29.9
	Zinc	81.6	24000	66.2	45.0	949	44.0	56.3	41.7	65.9	48.4	118	40.1	46.4	52.5
OTHER	Moisture (%)			1.8	3.7	N/A	3.4	3.1	11.1	5.9	14.0	2.7	10.9	2.9	6.2
	pH			8.5	9.0	N/A	8.2	8.7	8.2	9.8	8.2	8.1	8.2	8.1	8.2

Ψ Complete table footnotes can be found after the last table in this section.

Table 42-4. Summary of Reportable Concentrations for Soil analyses at OWS ST-260, Bldg. 20422, Kirtland AFB, New Mexico[Ψ,1] [Concentrations (mg/kg)]

Chemical Class	Analyte	PQL UTL	HHRB Action Level[2]	Borehole Number and Sample Depth Interval (ft)			
				ST-260-01		*ST-260-02*	
				5–9	10–14	5–9	10–14
VOC	Acetone	0.1	8000	0.0082 J	0.0043 J	ND	ND
	Methylene Chloride	0.005	93.3	0.0038	0.0033 U	0.0037	0.0023 U
	Toluene	0.005	16000	ND	ND	0.0018 J	0.0015 J
SVOC	Fluoranthene	0.7	3360	0.420	ND	ND	ND
	Phenanthrene	0.7	N/A	0.280	ND	ND	ND
	Phenol	0.3	48000	0.160	ND	ND	ND
	Pyrene	0.7	2400	0.290	ND	ND	ND
TPH	Diesel Fraction	10	100	4.0	0.55	0.52	0.69
METALS	Aluminum	13300	N/A	7300	4950 J	5420	2950 J
	Barium	496	5600	468	51.6	107	57.9
	Beryllium	0.83	0.2	0.54	0.41 U	0.56	0.31 U
	Cadmium	N/A	40	0.76	0.51	ND	ND
	Calcium	119000	N/A	69300	14700	24900	18800
	Chromium, Total	14.9	400	13.8	5.2 U	5.2	7.7
	Cobalt	11.3	N/A	5.8	6.2	5.8	4.6
	Copper	135	N/A	36.6	23.1 J	18.6	180
	Iron	20900	N/A	11300	16900	9950	7010
	Lead	22.9	400	26.0	ND	5.2	4.7
	Magnesium	8730	N/A	5760	3360	4780	2500
	Manganese	435	400	185	282 J	224	183 J
	Nickel	54.4	1600	221	12.0	5.4	11.0
	Potassium	2730	N/A	1700	1410 J	1330	953 J
	Silver	N/A	400	0.43	ND	0.33	0.41 U
	Sodium	519	N/A	198	75.6 U	114	84.9 U
	Vanadium	49.2	720	31.4	27.0 J	30.9	14.6 J
	Zinc	81.6	24000	48.5	37.6 J	33.7	82.4 J
OTHER	Moisture (%)			7.3	2.6	10.3	3.0
	pH			8.2	8.2	8.3	7.8

Ψ Complete table footnotes can be found after the last table in this section.

1 Complete laboratory analytical results including method detection limits are presented in the ITIR appendices.

2 Action Level Proposed Rule RCRA Subpart S Action Levels (55 FR 30814, 7/27/90).

*; TPH action level is 100 mg/kg adopted from NM UST regulations (USGS 2B Work Plan 3.6, NM El Board, 1990). SW-8015 analyzes volatile and semivolatile petroleum hydrocarbon fractions separately. The total concentration of the two fractions analyzed under 8015 will be used to assess compliance with stipulated action levels for the purpose of this RFI.

PQL; Practical Quantitation Limits (defines VOC, SVOC and TPH).

pCi/g; Picocuries per gram.

VOC; Volatile Organic Compounds.

TPH; Total Petroleum Hydrocarbons.

RAD; Radionuclides.

ND; Not Detected above the method detection limit.

U; Accept data (positive results may be influenced by lab contamination).

RE; Resample.

NA; Not Analyzed

UTL; Upper Tolerance Limits (defines METALS).

HHRB; Human Health Risk Based.

SVOC; Semivolatile Organic Compounds.

FR; Field Replicate.

UJ; Estimated Nondetect.

J; Estimated value.

R; Reject NDs due to interference.

--; No Data.

Soil pH and Moisture

Soil pH ranged from 8.1 to 9.8. Soil moisture values ranged from 1.8 to 14.0 percent (Table 42-3).

42.4.2 ST-260 Analytical Results

The following VOC analytes were detected in one or more of the soil samples collected at ST-260: acetone, methylene chloride, and toluene. None of these compounds was detected at concentrations exceeding HHRB action levels (Table 42-4). These compounds were detected in associated QC samples and are believed to be the result of laboratory contamination as discussed in Section 3.5.1.

The following SVOC analytes were detected only in the 5- to 9-ft sample at ST-260-01: fluoranthene (0.42 mg/kg), phenanthrene (0.28 mg/kg), pyrene (0.29 mg/kg), and phenol (0.16 mg/kg). All of these compounds were detected at concentrations below the HHRB action levels (Table 42-4).

Petroleum Hydrocarbons

Diesel range hydrocarbons were detected in all of the soil samples at ST-260 at concentrations ranging from 0.52 to 4.0 mg/kg. These concentrations did not exceed the NMED action level of 100 mg/kg (Table 42-3).

Metals

The 5-to 9-ft soil sample at ST-260-01 contained lead (26.0 mg/kg) and nickel (221 mg/kg) above the UTL concentrations but below HHRB action levels. The 10-to 14-ft soil sample at ST-260-02 contained copper (180 mg/kg) and zinc (82.4 mg/kg) above the UTL concentrations. Zinc was below the HHRB action level and copper does not have an action level.

Beryllium (0.31 to 0.56 mg/kg) was detected in all soil samples above the HHRB action level of 0.2 mg/kg but below the UTL concentration of 0.83 mg/kg (Table 42-4). These concentrations of beryllium may be naturally occurring at Kirtland AFB as discussed in Section 4.2.2.

Soil pH and Moisture

Soil pH ranged from 7.8 to 8.3. Soil moisture values ranged from 2.6 to 10.3 percent (Table 42-4).

42.4.3 ST-259 Liquid from the Vadose Zone Sample

In addition to the VOCs acetone and methylene chloride detected in soil samples from ST-259, the liquid sample also contained carbon disulfide, ethylbenzene, methyl ethyl ketone, methyl isobutyl

ketone, toluene, and xylenes. These compounds were found in associated QC samples and are believed to be the result of laboratory contamination as discussed in Section 3.5.1. No SVOCs were found in the liquid sample.

Diesel and gasoline range hydrocarbons were detected in the liquid sample at concentrations much lower than those measured in soil samples (Table 42-3).

Antimony (350 µg/L), arsenic (116 µg/L), and cadmium (21.0 µg/L) were detected in the liquid sample, but were not found in any of the soil samples at ST-259. Silver (8.0 µg/L) was also detected in the liquid sample, but not in the soil sample from adjacent borehole ST-259-02. This concentration of silver is below the 50 µg/L New Mexico Water Quality Control Commission groundwater standard. Full analytical results are in Appendix G.

42.5 Conclusions and Recommendations

Conclusions

- Two VOCs were detected in soil samples at these sites; however, all concentrations were below HHRB action levels.
- Diesel and gasoline range hydrocarbons were detected in soil samples from these sites. None of these compounds exceeded the NMED action level of 100 mg/kg.
- Beryllium was the only metal detected at concentrations above HHRB action levels. Beryllium was detected in every sample from ST-259 and ST-260. Beryllium appears to be naturally occurring throughout Kirtland AFB, as discussed in Section 4.2.2.
- The liquid seaping into borehole ST-259-02 is probably the result of a leak from area drain ST-259.
- ST-260 analyte detections are not indicative of a release from these units.
- Area Drain ST-259 and OWS ST-260 were repaired in November 1994.

Recommendations

- Based on the results of the RFI, no further action is necessary; therefore, after repairs, Sites ST-259 and ST-260 will not require further investigation. No Further Action proposals should be prepared.

43.0 Site ST-261, Oil/Water Separator

43.1 Site Background and Environmental Setting

OWS ST-261 is in the western portion of Kirtland AFB inside the southeast corner of building 20423, a heavy equipment maintenance shop (Figure 43-1). ST-261 is a concrete unit measuring 7.3 ft long, 3 ft wide, and 2.5 ft deep. The unit has a metal grate on the south end and a metal cover on the north end. The separator receives inflow from the bay floor and discharges north to a sanitary sewer lateral. If ST-261 were to overflow, runoff would drain to the south towards the bay door. ST-261 was investigated on June 22, 1994.

Building 20423 is located in the urban/industrial environmental zone. This environmental setting is discussed in Section 2.0. Two production wells are located near this site. Well KAFB-1 is located 2,500 ft northwest, and well Sandia-6 is 3,050 ft east-southeast (Figure 2-11).

43.2 Study Area Investigation

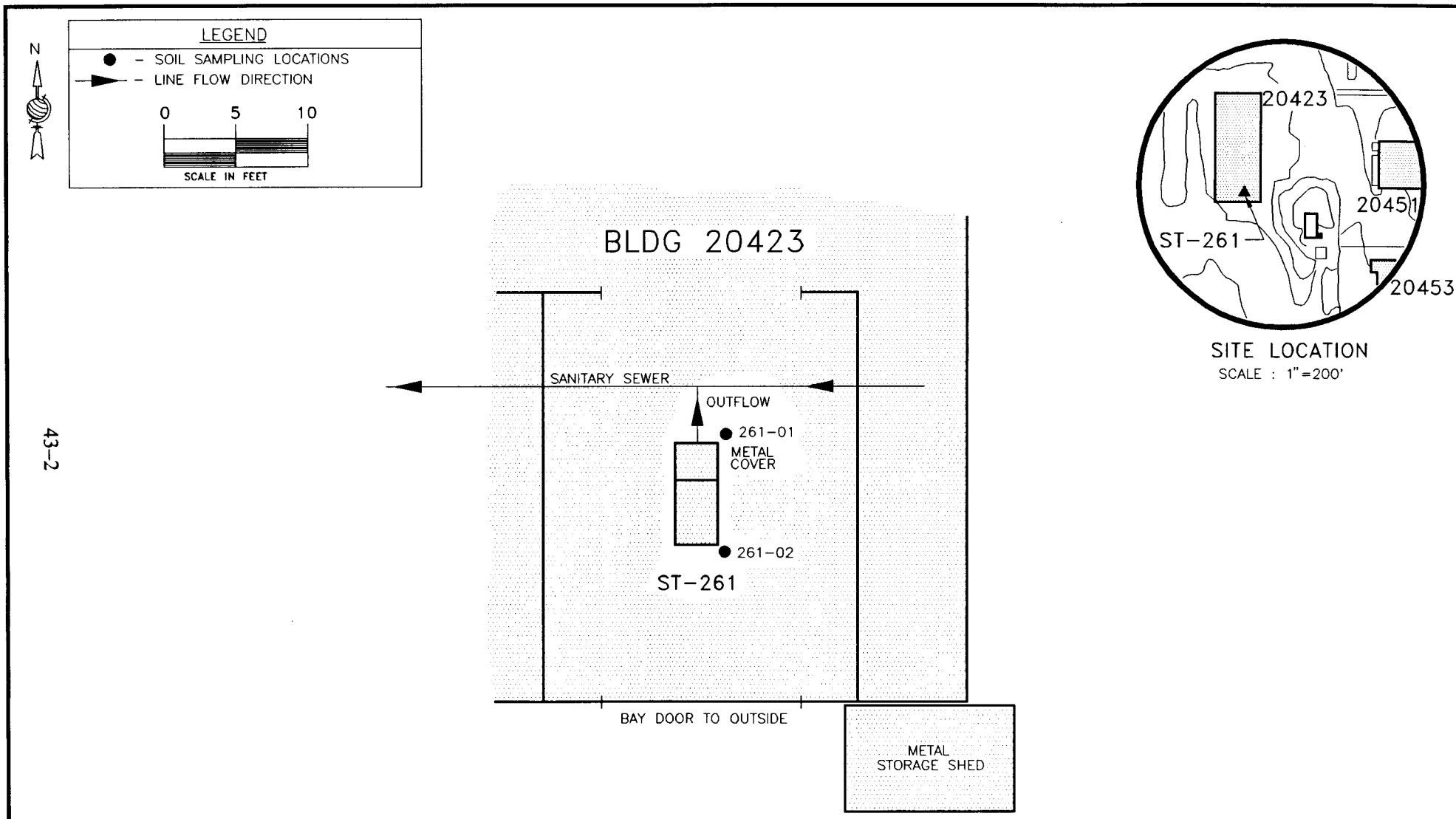
Possible source materials were not investigated in this study. Previous investigations sampled source materials as described below.

43.2.1 Previous Investigations

In 1990, 1991, and 1992, a Kirtland AFB environmental contractor sampled materials present in OWS ST-261. A concentration of 193 mg/kg for TPH was reported for the 1991 sampling. The 1992 sample contained 910 mg/kg of TPH and 355 mg/kg of TOX. Lead also was detected at 20.1 mg/kg above the RCRA toxicity limit of 5 mg/kg for the TCLP analysis. Full results for these samplings are presented in Appendix B of the USGS Stage 2B Work Plan (USGS, 1993a).

43.2.2 Data Gaps

The main objective of this investigation was to determine if contamination is present in the subsurface soil adjacent to OWS ST-261. A secondary objective was to determine the unit's outflow and potential overflow runoff destinations.



SOIL SAMPLING LOCATIONS AT OIL/WATER SEPARATOR ST-261, BUILDING 20423

FIGURE 43-1

RCRA FACILITY INVESTIGATION STAGE 2B KIRTLAND AIR FORCE BASE, NEW MEXICO

43.2.3 RFI Field Investigation

On June 22, 1994, two boreholes were drilled and sampled using a Geoprobe system. One borehole associated with ST-259 was drilled south-southeast of building 20422 to collect background concentration data for both of these sites (Figure 42-1). This location was assumed to be in an area away from any known or suspected contamination. To characterize adjacent soil, borehole ST-261-01 was drilled as close as possible to the outflow piping, and borehole ST-261-02 was drilled near some cracks in the bay floor that might serve as conduits to the subsurface (Figure 43-1). Two sample intervals were collected in each borehole; one at a depth equal to, and the other 5 ft below the unit's base (i.e., 3 and 8 ft).

Sampling operations and sample handling procedures are described in Section 3.0. Borehole locations and sample depths collected at OWS ST-261 are listed in Table 43-1. Borehole logs are in Appendix C.

Table 43-1. Boreholes and Samples Collected at OWS ST-261, Building 20423

Site	Borehole	Borehole Location	Sample Depths (ft)	PID/FID[a,b] ppm_v
ST-261	01	Near OWS outflow	3-5	0/0
			8-10	0/0
	02	Adjacent to OWS	3-5	0/2
			8-10	0/0

a. ppm_v = parts-per-million volume (ml/L) as isobutylene for the PID and as methane for the FID.
b. PID and FID readings are values above background.

43.2.4 Laboratory Analysis

Four soil samples were collected for laboratory analysis at ST-261. These samples were analyzed for VOCs, SVOCs, TPH, metals, mercury (the expected contaminants associated with normal operations at this facility), soil pH, and soil moisture. The four brass tubes in each 2-ft sample interval were field screened for possible contamination using gamma and beta-gamma meters, a PID, and an FID. Elevated PID and FID readings were measured in samples collected for lithologic description and laboratory analysis in the upper 5 ft of borehole ST-261-02. The brass tube with the highest PID/FID reading was submitted for VOC analysis. The highest reading measured for the sample interval is listed in Table 43-1.

43.3 Site Characteristics

43.3.1 Geology

The building 20423 area is underlain by unconsolidated alluvial sediments. The sediments are predominantly silty sand to very fine-grained sands. Caliche was present in both boreholes as light to heavily-stained zones and patches. Two 10-ft deep boreholes were drilled at ST-261. No borehole penetrated into the Santa Fe Group sediments that presumably underlie this area. A discussion of the general geology at Kirtland AFB is presented in Section 2.4.

As a result of OWS installation, it is probable that backfill material is present adjacent to this unit to a depth equal to the unit's total depth. Borehole logs for this area are presented in Appendix C.

43.3.2 Hydrogeology

Groundwater beneath ST-261 is found within the Upper Santa Fe sediments and is generally thought to be unconfined in the upper portion of the aquifer. This area is within the HR1 saturated zone setting as defined by SNL studies (Figure 2-9) (SNL, 1994). Hydrologic characterization in this portion of Kirtland AFB is complicated by the presence of numerous production wells. It is probable that uniform groundwater conditions do not exist in this region (Figure 2-11). Local cones of depression associated with groundwater withdrawal have altered the groundwater flow direction in the vicinity of the well fields (Figure 2-7).

It is probable that the gradient is to the northwest. Two production wells are located near ST-261. Well KAFB-1 is downgradient 2,500 ft northwest, and well Sandia-6 is upgradient 3,050 ft east-southeast (Figures 2-7 and 2-11). Depth to groundwater is estimated to be approximately 350 ft below grade; however, shallower perched water zones may occur (Figure 2-10). Hydraulic conductivity within HR1 is estimated at 2 to 171 ft/day (SNL, 1994). A general discussion of the hydrogeology at Kirtland AFB is presented in Section 2.5.

43.4 Nature and Extent of Contamination

The following sections describe the nature and extent of contamination based on soil sampling results. Analytical results for soil samples at OWS ST-261 are summarized in Table 43-2, where only the reportable concentrations of detected analytes are listed. Full analytical results are presented in Appendix G. Laboratory validation reports are presented in Appendix K.

Table 43-2. **Summary of Reportable Concentrations for Soil Analyses at ST-261, Bldg. 20423, Kirtland AFB, New Mexico**[Ψ,1]
[Concentrations (mg/kg)]

Chemical Class	Analyte	PQL UTL	HHRB Action Level[2]	Borehole Number and Sample Depth Interval (ft)			
				ST-261-01		*ST-261-02*	
				3–5	8–10	3–5	8–10
VOC	Acetone	0.1	8000	0.0031 J	ND	ND	ND
	Methylene Chloride	0.005	93.3	0.003 J	0.0036 U	0.0043 U	0.0041
SVOC	di-n-Butylphthalate	0.7	8000	ND	ND	ND	0.380
TPH	Diesel Fraction	10	100	0.74	1.3	0.9	0.75
METALS	Aluminum	13300	N/A	3690	3210 J	3640 J	4660
	Arsenic	N/A	0.4	10.3	ND	ND	ND
	Barium	496	5600	129	78.8	186	135
	Beryllium	0.83	0.2	0.45	0.42 U	0.43 U	0.43
	Calcium	119000	N/A	28300	27000	39200	21600
	Chromium, Total	14.9	400	4.8	4.1 U	4.9 U	5.4
	Cobalt	11.3	N/A	3.1	3.0 U	2.9 U	4.2
	Copper	135	N/A	19.0	13.5	9.4 J	43.8
	Iron	20900	N/A	5620	5340	5040	8420
	Magnesium	8730	N/A	2330	2140	2480	3680
	Manganese	435	400	79.5	81.5	77.8	158
	Molybdenum	N/A	400	ND	ND	ND	97.7
	Nickel	54.4	1600	3.6	3.3	5.2	4.9
	Potassium	2730	N/A	741	623 J	623 J	983
	Silver	N/A	400	0.56	0.53 U	ND	ND
	Sodium	519	N/A	151	101	153 J	97.7
	Vanadium	49.2	720	22.5	13.7 J	24.3 J	19.1
	Zinc	81.6	24000	19.1	18.8	14.0 J	34.4
OTHER	Moisture (%)			10.3	5.5	7.8	6.7
	pH			7.8	7.9	8.0	8.2

Ψ Complete table footnotes can be found after the last table in this section.

1 Complete laboratory analytical results including method detection limits are presented in the ITIR appendices.

2 Action Level Proposed Rule RCRA Subpart S Action Levels (55 FR 30814, 7/27/90).

*; TPH action level is 100 mg/kg adopted from NM UST regulations (USGS 2B Work Plan 3.6, NM EI Board, 1990). SW-8015 analyzes volatile and semivolatile petroleum hydrocarbon fractions separately. The total concentration of the two fractions analyzed under 8015 will be used to assess compliance with stipulated action levels for the purpose of this RFI.

PQL; Practical Quantitation Limits (defines VOC, SVOC and TPH).

pCi/g; Picocuries per gram.

VOC; Volatile Organic Compounds.

TPH; Total Petroleum Hydrocarbons.

RAD; Radionuclides.

ND; Not Detected above the method detection limit.

U; Accept data (positive results may be influenced by lab contamination).

RE; Resample.

NA; Not Analyzed

UTL; Upper Tolerance Limits (defines METALS)

HHRB; Human Health Risk Based.

SVOC; Semivolatile Organic Compounds.

FR; Field Replicate.

UJ; Estimated Nondetect.

J; Estimated value.

R; Reject NDs due to interference.

--; No Data.

Organic Compounds

Acetone and methylene chloride were the only VOCs detected in soil samples collected at ST-261. Acetone was only detected in the 3- to 5-ft sample from borehole ST-261-01. Neither of these compounds was detected at concentrations exceeding HHRB action levels (Table 43-2). These compounds were detected in associated QC samples and are believed to be the result of laboratory contamination. The SVOC di-n-butylphthalate (0.38 mg/kg) was the only SVOC detected. It was found in only the 8- to 10-ft sample from borehole ST-261-02. The concentration did not exceed the HHRB action level of 8,000 mg/kg (Table 43-2).

Petroleum Hydrocarbons

Diesel range hydrocarbons were detected in all soil samples at ST-261 at concentrations ranging from 0.9 to 1.3 mg/kg. These concentrations did not exceed the NMED action level of 100 mg/kg (Table 43-2).

Metals

Beryllium was detected in all samples above the HHRB action level of 0.2 mg/kg but below the UTL of 0.83 mg/kg. The 3- to 5-ft sample at borehole ST-261-01 contained arsenic (10.3 mg/kg) above the HHRB action level of 0.4 mg/kg (Table 43-2). These concentrations of beryllium and arsenic may be naturally occurring at Kirtland AFB as discussed in Section 4.2.2.

Soil pH and Moisture

Soil pH ranged from 7.8 to 8.2. Soil moisture ranged from 5.5 to 10.3 percent (Table 43-2).

43.5 Conclusions and Recommendations

Conclusions

- Two VOCs were detected in soil samples at ST-261; however, all concentrations were below HHRB action levels. The SVOC di-n-butylphthalate was found in only one sample. The concentration did not exceed the HHRB action level.

- Diesel range hydrocarbons were detected in all soil samples at ST-261. The concentrations did not exceed the NMED action level of 100 mg/kg.

- Beryllium and arsenic were the only metals detected above the HHRB action levels. Beryllium was detected in every sample and arsenic only in one. These concentrations of beryllium and arsenic appear to be naturally occurring throughout Kirtland AFB.
- ST-261 analytical results are not indicative of a release from this unit.

Recommendations

- Based on the results of the RFI, no further action is necessary; therefore, Site ST-261 does not require further investigation. A No Further Action proposal should be prepared.

44.0 Site ST-262, Oil/Water Separator

44.1 Site Background and Environmental Setting

OWS ST-262 is outside in the wash rack on the west side of building 20698, in the western portion of Kirtland AFB (Figure 44-1). Building 20698 is the civil engineering vehicle wash rack area. ST-262 is a concrete unit measuring 7.1 ft long, 4.5 ft wide, and 4 ft in depth. The OWS has two compartments; the south end is covered with a metal grate, and a solid metal lid covers the north end of the unit. The separator also receives inflow from the wash rack drain that extends 23 ft west. The OWS discharges west, then north to a sanitary sewer system. ST-262 was investigated on May 31, 1994. The probability that the OWS would overflow onto the surrounding area is low. Such an occurrence would require prolonged, heavy rainfall. If overflow did occur, drainage would occur to the west and south over an asphalt parking lot.

Building 20698 is located in the urban/industrial environmental zone, which is discussed in Section 2.0. Two production wells are located near this site. Well KAFB-1 is located 3,250 ft west-northwest, and well Sandia-6 is 2,100 ft east-southeast (Figure 2-11).

44.2 Study Area Investigation

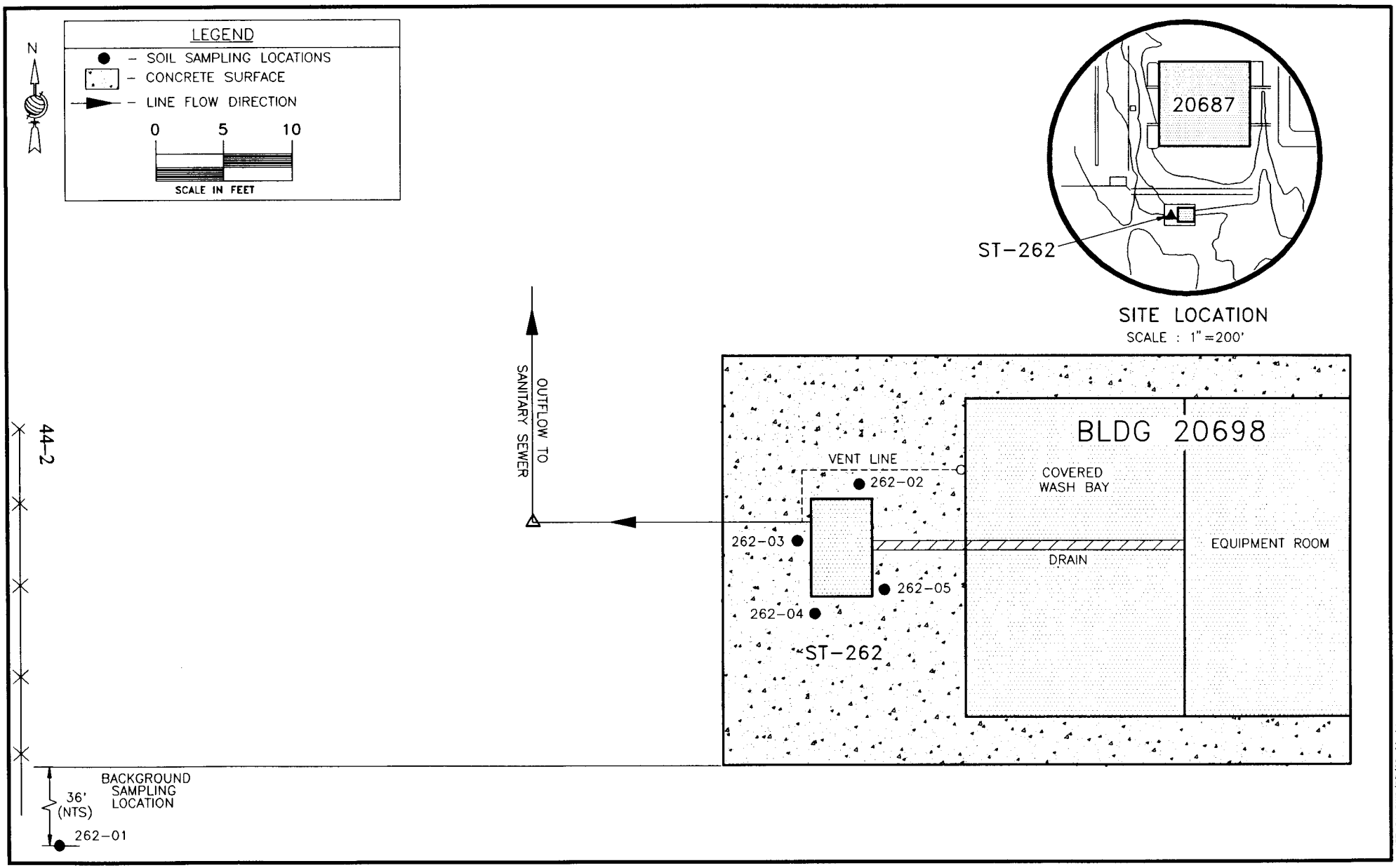
Possible source materials were not investigated in this study. Previous investigations sampled source materials as described below.

44.2.1 Previous Investigations

In 1990, 1991, and 1992, a Kirtland AFB environmental contractor sampled materials present in OWS ST-262. A 1991 sample contained a TOX concentration of 144 mg/kg. The 1992 sample contained 248 mg/kg TPH and 109 mg/kg TOX. The 1992 sample also contained chromium (20.1 mg/kg) and lead (12.8 mg/kg) above the RCRA toxicity limit for the TCLP analysis. Full results for these sampling efforts are presented in Appendix B of the USGS Stage 2B Work Plan (USGS, 1993a).

44.2.2 Data Gaps

The main objective of this investigation was to determine if contamination is present in the subsurface soil adjacent to OWS ST-262. Another objective was to determine the unit's outflow and potential outflow runoff destinations.



SOIL SAMPLING LOCATIONS AT OIL/WATER SEPARATOR ST-262, BUILDING 20698

FIGURE 44-1

RCRA FACILITY INVESTIGATION STAGE 2B KIRTLAND AIR FORCE BASE, NEW MEXICO

44.2.3 RFI Field Investigation

On May 31, 1994, five boreholes were drilled and sampled using a Geoprobe system. One borehole was drilled west-southwest of building 20698 to collect background concentration data (Figure 42-1). This location was assumed to be in an area away from any known or suspected contamination. The other boreholes were drilled close to inflow and outflow piping to characterize soil adjacent to the unit (Figure 44-1). Two sample intervals were collected in each borehole: one at a depth equal to, and the other 5 ft below the unit's base (i.e., 4 and 9 ft).

Sampling operations and sample handling procedures are described in Section 3.0. Borehole locations, sample depths, and replicate samples collected at OWS ST-262 are shown in Table 44-1. Borehole logs are in Appendix C.

Table 44-1. Boreholes and Samples Collected at OWS ST-262, Building 20698

Site	Borehole	Borehole Location	Sample Depths (ft)
ST-262	01	Background sampling borehole	4-6
			9-11
	02	Adjacent to OWS	4-6
			9-11
	03	Near OWS outflow	4-6
			9-11
	04	Adjacent to OWS	4-9[a]
			9-12
	05	Near OWS inflow	4-6
			9-11

a. Replicate sample also collected in this depth interval.

44.2.4 Laboratory Analysis

Eleven soil samples were collected at this site. These samples were analyzed for VOCs, SVOCs, TPH, pesticides, herbicides, metals, mercury (the expected contaminants associated with normal operations at this facility), soil pH, and soil moisture. The four brass tubes in each 2-ft sample interval were field screened for possible contamination using gamma and beta-gamma meters, a PID, and an FID. No readings above background values were measured with these instruments.

44.3 Site Characteristics

44.3.1 Geology

The building 20698 area is underlain by unconsolidated alluvial sediments. The sediments are predominantly very fine-grained sand to silty sand and gravely sands. Caliche was present in all boreholes as light to heavily-stained zones and patches. One 12-ft- and four 11-ft-deep boreholes were drilled at ST-262. No borehole penetrated into the Santa Fe Group sediments that presumably underlie this area. A discussion of the general geology at Kirtland AFB is presented in Section 2.4.

As a result of OWS installation, it is probable that backfill material is present adjacent to this unit to a depth equal to the unit's total depth. Borehole logs for this area are presented in Appendix C.

44.3.2 Hydrogeology

Groundwater beneath ST-262 is found within the Upper Santa Fe sediments and is generally thought to be unconfined in the upper portion of the aquifer. This area is within the HR1 saturated zone setting as defined by SNL studies (Figure 2-9) (SNL, 1994). Hydrologic characterization in this portion of Kirtland AFB is complicated by the presence of numerous production wells (Figure 2-11). It is probable that uniform groundwater conditions do not exist in this region. Local cones of depression associated with groundwater withdrawal have altered the groundwater flow direction in the vicinity of the well fields (Figure 2-7).

It is probable that the gradient is to the northwest. Two production wells are located near ST-262. Well KAFB-1 is located probably cross gradient 3,250 ft west-northwest, and well Sandia-6 is upgradient 2,100 ft east-southeast (Figures 2-7 and 2-11). Depth to groundwater is estimated to be approximately 350 ft below grade; however, shallower perched water zones may occur (Figure 2-10). Hydraulic conductivity in the vicinity of HR1 is estimated at 2 to 171 ft/day (SNL, 1994). A more detailed discussion of the hydrogeology at Kirtland AFB is presented in Section 2.5.

44.4 Nature and Extent of Contamination

The following section describes the nature and extent of contamination based on soil sampling results. Analytical results for soil samples at OWS ST-262 are summarized in Table 44-2 where only the reportable concentrations of detected analytes are listed. Full analytical results are presented in Appendix G. Laboratory validation reports are presented in Appendix K.

Table 44-2. **Summary of Reportable Concentrations for Soil Analyses at OWS ST-262, Bldg. 20698, Kirtland AFB, New Mexico[Ψ,1]**
[Concentrations (mg/kg)]

Chemical Class	Analyte	PQL UTL	HHRB Action Level[2]	Borehole Number and Sample Depth Interval (ft)										
				ST-262-01		*ST-262-02*		*ST-262-03*		*ST-262-04*			*ST-262-05*	
				4–6	9–11	4–6	9–11	4–6	9–11	4–9	4–9 FR	9–12	4–6	9–11
VOC	Acetone	0.1	8000	0.012	0.022	0.034	ND	0.0073 J	0.0072 J	0.0057 J	0.0072 J	ND	ND	0.0042 J
	Methyl Ethyl Ketone	0.1	48000	0.0029 J	0.0081 J	0.0091 J	ND	ND	ND	ND	ND	ND	ND	ND
	Methylene Chloride	0.005	93.3	0.003 J	0.0032	0.003 J	0.003 J	0.006	0.0045	0.0058	0.0062	0.0049	0.0073	0.0061
	Methyl Isobutyl Ketone	0.05	N/A	0.0012 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Toluene	0.005	16000	ND	ND	ND	0.003 J	ND	ND	ND	ND	ND	ND	ND
SVOC	di-n-Butylphthalate	0.7	8000	ND	ND	ND	ND	0.24	ND	ND	0.25	ND	ND	ND
	Phenol	0.3	48000	ND	0.22	ND	ND	ND	ND	ND	ND	ND	ND	ND
TPH	Diesel Fraction	10	100	0.61	0.88	0.98	1.4	1	0.93	0.52	0.74	0.82	0.9	0.99
METALS	Aluminum	13300	N/A	6640	7950	7970	7160	6060	8330	6910	9350	6060	7030	7080
	Barium	496	5600	103	241	212	98.9	253	176	459	230	114	454	112
	Beryllium	0.83	0.2	0.41	0.44	0.54	0.43	0.32	0.43	0.44	0.55	0.43	0.43	0.42
	Calcium	119000	N/A	16700	53900	74200	21700	57500	20400	56600	34200	21300	80600	20200
	Chromium, Total	14.9	400	7.4	8.5	8.2	9.4	6.1	10.4	7.1	10.1	7.9	8.1	7.5
	Cobalt	11.3	N/A	6.7	4.7	4.8	6.4	4.2	7.8	4.4	6.2	6.4	6.3	6.4
	Copper	135	N/A	29.7	23.4	11.0	20.6	13.7	35.9	29.5	20.1	48.2	23.8	29.6
	Iron	20900	N/A	13200	11900	11400	15000	9180	16400	11000	13000	13000	10700	13800
	Lead	22.9	400	6.4	ND	5.7	6.6	5.8	5.3	10.3	6.3	6.1	5.5	4.6
	Magnesium	8730	N/A	4370	5570	6400	4840	5940	4940	5470	6270	4310	7610	4500
	Manganese	435	400	236	175	174	262	143	284	256	212	257	177	252
	Nickel	54.4	1600	7.3	4.3	4.0	7.8	ND	7.1	5.6	7.7	6.3	6.7	6.8
	Potassium	2730	N/A	1330	1420	1570	1760	1090	2050	1240	1840	1520	1440	1720
	Sodium	519	N/A	96.6	109	151	128	132	124	118	126	109	139	106
	Vanadium	49.2	720	23.3	43.6	43.0	26.9	36.0	30.5	38.8	49.7	22.5	41.5	24.3
	Zinc	81.6	24000	35.9	32.7	26.9	40.3	24.9	47.5	40.2	35.8	45.6	32.9	39.4
OTHER	Moisture (%)			2.0	9.0	8.2	7.5	5.2	6.2	10.1	8.6	5.9	7.8	5.6
	pH			8.6	8.2	8.8	8.7	9.0	8.6	8.5	8.6	8.7	8.9	8.8

1 Complete laboratory analytical results including method detection limits are presented in the ITIR appendices.

2 Action Level Proposed Rule RCRA Subpart S Action Levels (55 FR 30814, 7/27/90).

*; TPH action level is 100 mg/kg adopted from NM UST regulations (USGS 2B Work Plan 3.6, NM EI Board, 1990). SW-8015 analyzes volatile and semivolatile petroleum hydrocarbon fractions separately. The total concentration of the two fractions analyzed under 8015 will be used to assess compliance with stipulated action levels for the purpose of this RFI.

PQL; Practical Quantitation Limits (defines VOC, SVOC and TPH).

pCi/g; Picocuries per gram.

VOC; Volatile Organic Compounds.

TPH; Total Petroleum Hydrocarbons.

RAD; Radionuclides.

ND; Not Detected above the method detection limit.

U; Accept data (positive results may be influenced by lab contamination).

RE; Resample.

NA; Not Analyzed

UTL; Upper Tolerance Limits (defines METALS).

HHRB; Human Health Risk Based.

SVOC; Semivolatile Organic Compounds.

FR; Field Replicate.

UJ; Estimated Nondetect.

J; Estimated value.

R; Reject NDs due to interference.

--; No Data.

Organic Compounds

The following VOC analytes were detected in one or more of the soil samples collected at ST-262: acetone, methyl ethyl ketone, methyl isobutyl ketone, toluene, and methylene chloride. None of the detected concentrations exceeded HHRB action levels (Table 44-2). These compounds were found in associated QC samples and are believed to be the result of laboratory contamination as discussed in Section 3.5.1.

Di-n-butylphthalate and phenol were the only SVOC analytes detected in one or more soil samples collected at ST-262. Di-n-butylphthalate (0.24 to 0.25 mg/kg) was found in two samples. Phenol (0.22 mg/kg) was only found in the 9- to 11-ft sample from borehole ST-262-01. These concentrations did not exceed HHRB action levels (Table 44-2).

Petroleum Hydrocarbons

Diesel range hydrocarbons were detected in all soil samples at ST-262 at concentrations ranging from 0.52 to 1.4 mg/kg. These concentrations did not exceed the NMED action level of 100 mg/kg (Table 44-2).

Metals

Vanadium (49.7 mg/kg) was detected in the 4- to 9-ft replicate sample from borehole ST-262-04. This concentration is above the 49.2 mg/kg UTL concentration, but below the 720 mg/kg HHRB action level.

Beryllium was detected in all soil samples above the HHRB action level of 0.2 mg/kg but below the UTL of 0.83 mg/kg. Beryllium concentrations ranged from 0.32 to 0.55 mg/kg (Table 44-2). These concentrations may be naturally occurring at Kirtland AFB as discussed in Section 4.2.2.

Pesticides and Herbicides

No pesticides or herbicides were detected in these samples.

Soil pH and Moisture

Soil pH ranged from 8.2 to 9.0. Soil moisture values ranged from 2.0 to 10.1 percent (Table 44-2).

44.5 Conclusions and Recommendations

Conclusions

- Five VOCs were detected in soil samples at this site; however, all concentrations were below the HHRB action levels. Two SVOCs (phenol and di-n-butylphthalate) were detected, but at concentrations well below the HHRB levels.

- Diesel range hydrocarbons were detected in all soil samples. None of the concentrations exceeded the NMED action level of 100 mg/kg.

- Beryllium was detected in every sample at concentrations above the HHRB action level. These concentrations of beryllium appear to be naturally occurring throughout Kirtland AFB as discussed in Section 4.2.2.

- ST-262 analyte detections are not indicative of a release from this unit.

Recommendations

- Based on the findings of the RFI, no further action is necessary; therefore, Site ST-262 does not require further investigation. A No Further Action proposal should be prepared.

45.0 Site ST-263, Oil/Water Separator

45.1 Site Background and Environmental Setting

OWS ST-263 consists of two units associated with a washrack northwest of building 23226, an apartment complex in the western portion of Kirtland AFB (Figure 45-1). Both units are concrete with metal grate covers and measure 4.5 ft long, 2.3 ft wide, and 3 ft deep. These units receive surface flow from the adjacent wash racks. Discharge is west to a sanitary sewer system. ST-263 was investigated on May 5-6, 1994. The probability that the OWS and wash rack area would overflow onto the surrounding area is low. Such an occurrence would require prolonged, heavy rainfall. If overflow did occur, it would drain west to the street.

Building 23226 is located in the urban/industrial environmental zone, which is discussed in Section 2.0. Three production wells are located near this site: KAFB-3 is located 3,000 ft northwest, Sandia-6 is 6,200 ft south-southwest, and Eubank-1 is 7,000 ft southwest (Figure 2-11).

45.2 Study Area Investigation

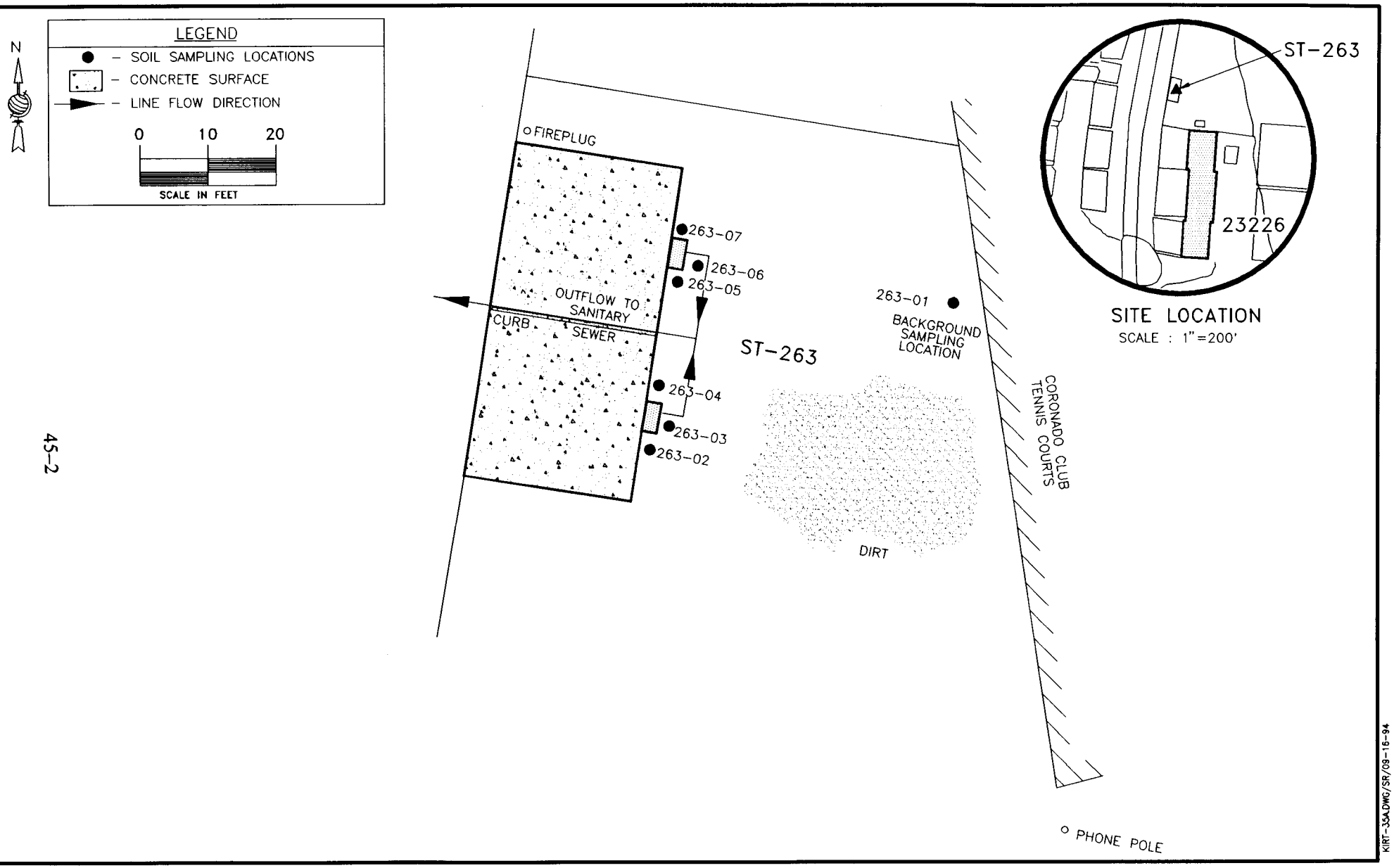
Possible source materials were not investigated in this study. Previous investigations sampled source materials as described below.

45.2.1 Previous Investigations

In 1991 and 1992, a Kirtland AFB environmental contractor sampled materials present in OWS ST-263. Neither of the sampling events detected concentrations above action levels. Full results for these samplings are presented in Appendix B of the USGS Stage 2B Work Plan (USGS, 1993a).

45.2.2 Data Gaps

The main objective of this investigation was to determine if contamination is present in the subsurface soil adjacent to the units. A secondary objective was to determine the OWS outflow and potential surface runoff destinations.



SOIL SAMPLING LOCATIONS AT OIL/WATER SEPARATOR ST-263, BUILDING 23226

FIGURE 45-1

RCRA FACILITY INVESTIGATION STAGE 2B KIRTLAND AIR FORCE BASE, NEW MEXICO

45.2.3 RFI Field Investigation

On May 5-6, 1994, seven boreholes were drilled and sampled using a Geoprobe system. One borehole was drilled east of the OWS's to collect background concentration data (Figure 45-1). This location was assumed to be in an area away from any known or suspected contamination. Two boreholes were drilled next to the outflow piping of each unit. The other boreholes were drilled on the sides of each unit (Figure 45-1). Two sample intervals were collected in each borehole: one at a depth equal to, and the other 5 ft below the unit's base (i.e., 3 and 8 ft).

Sampling operations and sample handling procedures are described in Section 3.0. Borehole locations, sample depths, and replicate samples collected at OWS ST-263 are shown in Table 45-1. Borehole logs are in Appendix C.

Table 45-1. Boreholes and Samples Collected at OWS ST-263, Building 23226

Site	Borehole	Borehole Location	Sample Depths (ft)
ST-263	01	Background sampling location	3-5
			8-10
	02	Adjacent to OWS	3-5
			8-11
	03	Next to OWS outflow	3-5
			8-12[a]
	04	Adjacent to OWS	3-5
			8-10
	05	Adjacent to OWS	3-6
			8-10
	06	Next to OWS outflow	3-5
			8-10
	07	Adjacent to OWS	3-5
			8-10

a. Replicate sample also collected in this depth interval.

45.2.4 Laboratory Analysis

Fifteen soil samples, including replicates, were collected at this site. These samples were analyzed for VOCs, SVOCs, TPH, metals, mercury (the expected contaminants associated with normal operations at this facility), soil pH, and soil moisture. The four brass tubes in each 2-ft sample interval were field screened for possible contamination using gamma and beta-gamma

meters, a PID, and an FID. No readings above background values were measured with these instruments.

45.3 Site Characteristics

45.3.1 Geology

The building 23226 area is underlain by unconsolidated alluvial sediments. The sediments are predominantly silty sand to very fine-grained sand with intermittent sandy gravel. Caliche was present in some boreholes as light to heavily-stained zones and patches. Seven 10- to 12-ft-deep boreholes were drilled at ST-263. No borehole penetrated into the Santa Fe Group sediments that presumably underlie this area. A discussion of the general geology at Kirtland AFB is presented in Section 2.4.

As a result of OWS installation, it is probable that backfill material is present adjacent to these units to a depth equal to the total depth. Borehole logs for this area are presented in Appendix C.

45.3.2 Hydrogeology

Groundwater beneath ST-263 is found within the Upper Santa Fe sediments and is generally thought to be unconfined in the upper portion of the aquifer. This area is within the HR1 saturated zone setting as defined by SNL studies (Figure 2-9) (SNL, 1994). Hydrologic characterization in this portion of Kirtland AFB is complicated by the presence of numerous production wells (Figure 2-11). Uniform groundwater conditions in this region probably do not exist. Local cones of depression associated with groundwater withdrawal have altered the groundwater flow direction in the vicinity of the well fields (Figure 2-7).

It is probable that the gradient is to the northwest. Three production wells are located near ST-263: KAFB-3 is located downgradient 3,000 ft northwest of ST-263, Sandia 6 is upgradient 6,200 ft south-southwest of ST-263, and Eubank-1 is upgradient 7,000 ft southwest of ST-263 (Figures 2-7 and 2-11). Depth to groundwater is estimated to be approximately 350 ft below grade; however, shallower perched water zones may occur (Figure 2-10). Hydraulic conductivity within HR1 is estimated at 2 to 171 ft/day (SNL, 1994). A general discussion of the hydrogeology at Kirtland AFB is presented in Section 2.5.

45.4 Nature and Extent of Contamination

The following section describes the nature and extent of contamination based on soil sampling results. Analytical results for soil samples at OWS ST-263 are summarized in Table 45-2, where only the reportable concentrations of detected analytes are listed. Full analytical results are presented in Appendix G. Laboratory validation reports are presented in Appendix K.

Organic Compounds

Acetone and methylene chloride were the only VOC analytes detected in one or more of the soil samples at ST-263. None of these compounds was detected at concentrations exceeding HHRB action levels (Table 45-2). These compounds were found in associated QC samples and are believed to be the result of laboratory contamination as discussed in Section 3.5.1.

Di-n-butylphthalate and phenol were the only SVOC analytes detected in one or more of the soil samples collected at ST-263. Neither one of these compounds was detected at concentrations exceeding HHRB action levels (Table 45-2). Phenol and di-n-butylphthalate were also present in the 8- to 10-ft sample from the background sampling borehole ST-263-01.

Petroleum Hydrocarbons

Diesel range hydrocarbons were detected in all soil samples at ST-263 at concentrations ranging from 0.56 to 1.8 mg/kg. These concentrations did not exceed the NMED action level of 100 mg/kg (Table 45-2).

Metals

Beryllium (0.21 to 0.66 mg/kg) was detected in all soil samples including the background samples from borehole ST-263-01. These concentrations are above the HHRB action level of 0.2 mg/kg but below the UTL concentrations of 0.83 mg/kg (Table 45-2).

Soil pH and Moisture

Soil pH ranged from 8.1 to 8.5. Soil moisture values ranged from 3.5 to 13.1 percent (Table 45-2).

Table 45-2 Summary of Reportable Concentrations for Soil Analyses at OWS ST-263, Bldg. 23226, Kirtland AFB, New Mexico[Ψ,1]
[Concentrations (mg/kg)]

Chemical Class	Analyte	PQL	HHRB Action	Borehole Number and Sample Depth Interval (ft)													
				ST-263-01		*ST-263-02*		*ST-263-03*			*ST-263-04*		*ST-263-05*		*ST-263-06*		*ST-263-07*	
		UTL	Level[2]	3–5	8–10	3–5	8–11	3–5	8–12	8–12 FR	3–5	8–10	3–6	8–10	3–5	8–10	3–5	8–10
VOC	Acetone	0.1	8000	0.019	0.01 J	0.018	0.01 J	0.0083 J	0.014 U	0.013	0.0074 J	0.0055 J	0.004 J	ND	0.0062 J	0.0085 J	ND	0.016
	Methylene Chloride	0.005	93.3	0.029 J	0.003 J	0.003 J	0.0039	0.0069	0.0081 U	0.082	0.007	0.0063	0.0051	0.0056	0.0053	0.0075	0.007	0.007
SVOC	di-n-Butylphthalate	0.7	8000	ND	0.24	0.3	0.25	ND	ND	ND	ND	ND	ND	ND	0.54	ND	ND	ND
	Phenol	0.3	48000	ND	0.33	ND	0.29	ND	0.19 J	0.4	ND	0.19	ND	ND	ND	ND	ND	ND
TPH	Diesel Fraction	10	100	0.86	1.8	1.3	1.2	1.2	0.56	1.3	0.91	0.68	0.88	1.2	0.56	0.85	0.91	0.69
METALS	Aluminum	13300	N/A	4590	7590	6950	5490	12500	8170 J	10700	3810	8250	9050	8860	7430	8040	6620	9110
	Barium	496	5600	296	235	184	82.0	122	130	203	46.1	129	91.3	235	167	155	65.8	227
	Beryllium	0.83	0.2	0.31	0.33	0.33	0.21	0.66	0.42	0.58	0.21	0.44	0.44	0.57	0.43	0.43	0.33	0.44
	Cadmium	N/A	40	ND	0.55	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.53	ND	ND
	Calcium	119000	N/A	18700	59600	152000	35900	15600	33200 J	45100	36400	37600	52200	41800	48500	17600	37900	27000
	Chromium, Total	14.9	400	6.0	7.8	12.0	9.8	10.9	8.9 J	9.4	3.6	10.3	6.9	10.5	8.1	8.5	7.4	9.7
	Cobalt	11.3	N/A	2.8	6.7	3.2	4.6	6.4	7.6 J	8.9	5.9	6.9	5.8	7.0	4.9	4.3	3.5	6.6
	Copper	135	N/A	64.6	24.8	34.7	117	23.7	30.4 J	13.9	10.9	55.8	15.2	23.6	40.4	7.4	31.0	11.5
	Iron	20900	N/A	7230	15500	9240	11500	16500	18300 J	16600	11800	19200	11200	15000	13000	14800	10900	16700
	Lead	22.9	400	ND	ND	ND	ND	3.5	5.7 J	7.7	ND	5.5	6.7	9.5	9.5	3.2	ND	3.6
	Magnesium	8730	N/A	2330	5180	3810	3420	3610	4510	5670	2360	4550	3010	5350	3320	3170	2300	4860
	Manganese	435	400	140	272	191	216	304	338 J	366	213	295	157	315	229	211	133	307
	Mercury	N/A	20	0.68	ND	ND	ND	0.18	ND	ND	ND	ND	ND	ND	0.1	0.1	ND	0.61
	Nickel	54.4	1600	5.7	9.3	18.1	53.6	11.2	9.6	11.3	5.0	11.2	7.0	9.5	25.0	8.1	6.2	9.7
	Potassium	2730	N/A	846	1540	1220	951	2620	1670 J	1930	1080	1590	1650	1560	1480	1460	1310	1990
	Selenium	N/A	400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	9.6
	Sodium	519	N/A	42.3	86.3	79.3	87.2	58.5	74.4 J	105	40.6	65.0	62.0	105	63.4	55.8	69.1	68.2
	Vanadium	49.2	720	15.4	29.2	23.1	23.6	30.8	33.0	30.3	22.8	36.1	26.9	28.0	24.7	28.5	24.8	30.5
	Zinc	81.6	24000	43.3	49.6	31.5	78.1	42.6	46.4 J	42.9	24.9	59.8	26.4	45.2	55.0	26.7	34.8	39.4
OTHER	Moisture (%)			3.5	9.2	8.2	6.2	9.1	13.1	5.8	4.3	8.1	9.2	11.8	6.4	5.9	8.7	8.6
	pH			8.4	8.4	8.3	8.5	8.2	8.4	8.4	8.5	8.4	8.1	8.3	8.4	8.5	8.5	8.5

Ψ Complete table footnotes can be found after the last table in this section.

1 Complete laboratory analytical results including method detection limits are presented in the ITIR appendices.

2 Action Level Proposed Rule RCRA Subpart S Action Levels (55 FR 30814, 7/27/90).

*; TPH action level is 100 mg/kg adopted from NM UST regulations (USGS 2B Work Plan 3.6, NM El Board, 1990). SW-8015 analyzes volatile and semivolatile petroleum hydrocarbon fractions separately. The total concentration of the two fractions analyzed under 8015 will be used to assess compliance with stipulated action levels for the purpose of this RFI.

PQL; Practical Quantitation Limits (defines VOC, SVOC and TPH).

pCi/g; Picocuries per gram.

VOC; Volatile Organic Compounds.

TPH; Total Petroleum Hydrocarbons.

RAD; Radionuclides.

ND; Not Detected above the method detection limit.

U; Accept data (positive results may be influenced by lab contamination).

RE; Resample.

NA; Not Analyzed

UTL; Upper Tolerance Limits (defines METALS).

HHRB; Human Health Risk Based.

SVOC; Semivolatile Organic Compounds.

FR; Field Replicate.

UJ; Estimated Nondetect.

J; Estimated value.

R; Reject NDs due to interference.

--; No Data.

45.5 Conclusions and Recommendations

Conclusions

- Two VOCs (acetone and methylene chloride) were detected; however, all concentrations were below the HHRB action levels.
- Two SVOCs (phenol and di-n-butylphthalate) were detected, but at concentrations below the HHRB action levels.
- Diesel range hydrocarbons were detected in all soil samples at ST-263. None of the detections exceeded the NMED action level of 100 mg/kg.
- Beryllium was the only metal detected at concentrations above the HHRB action level. Beryllium was detected in every sample at ST-263. These concentrations of beryllium appear to be naturally occurring throughout Kirtland AFB.
- ST-263 analytical results are not indicative of a release from this unit.

Recommendations

- Based on the findings of the RFI, no further action is necessary; therefore, Site ST-263 does not require further investigation. A No Further Action proposal should be prepared.

46.0 Site ST-264, Oil/Water Separator

46.1 Site Background and Environmental Setting

OWS ST-264 is inside the north-central part of building 30142, a vehicle maintenance shop (Figure 46-1). The OWS is concrete with a metal cover and measures 4.4 ft long, 3.7 ft wide, and 7 ft deep. Inflow for this unit consists of surface flow from adjacent service bay floor drains. Discharge is to the west-northwest to a sanitary sewer system. ST-264 was investigated on June 30 and July 5, 1994. The probability that the OWS would overflow onto the surrounding area is low because the unit is indoors. Should overflow occur, the runoff would flow onto the shop floor, and then out to the asphalt parking lot.

Building 30142 is located in the DOE Training Area, which used to be part of the former Manzano Base. This site is isolated from the urban/industrial environmental zone and is located at the foot of the Manzanita mountains on the east boundary of the Albuquerque-Belen Basin. No production wells exist near this site (Figure 2-11).

46.2 Study Area Investigation

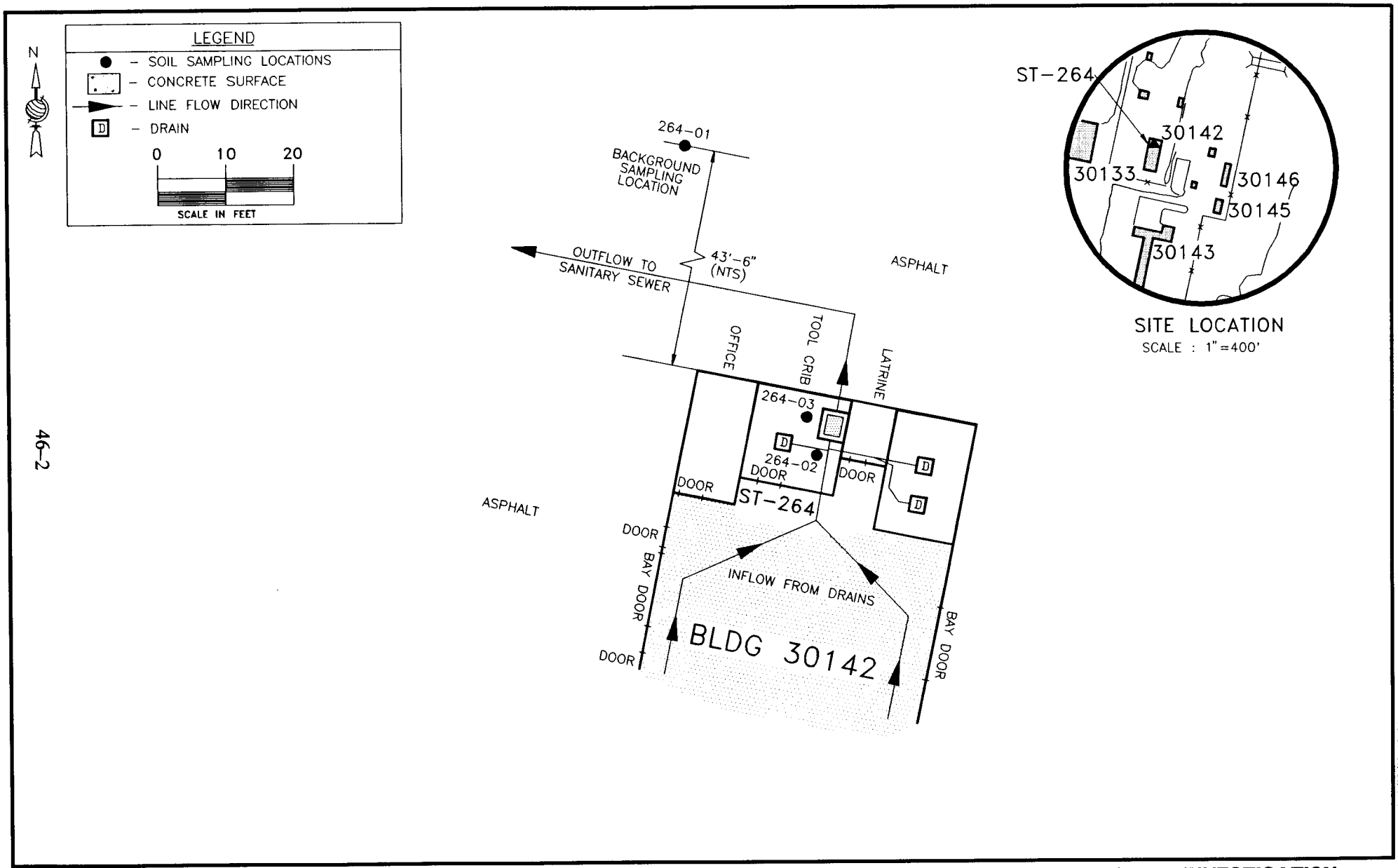
Possible source materials were not investigated in this study. Previous investigations sampled source materials as described below.

46.2.1 Previous Investigations

In 1991 and 1992, a Kirtland AFB environmental contractor sampled materials present in OWS ST-264. The 1990 sample contained hydrocarbon concentrations of 20,740 mg/kg. The 1991 sample contained 2,150 mg/kg of TPH and 155 mg/kg of TOX. The 1992 sample contained 2,150 mg/kg of TPH and 138 mg/kg of TOX. Some metals were above the RCRA toxicity limits for TCLP analysis: chromium at 22.8 mg/kg, lead at 16.7 mg/kg, selenium at 3.2 mg/kg, and silver at 8.4 mg/kg. Full results for these samplings are presented in Appendix B of the USGS Stage 2B Work Plan (USGS, 1993a).

46.2.2 Data Gaps

The main objective of this investigation was to determine if contamination is present in the subsurface soil adjacent to OWS ST-264. Another objective was to determine the unit's outflow and potential surface runoff destinations.



SOIL SAMPLING LOCATIONS AT OIL/WATER SEPARATOR ST-264, BUILDING 30142

FIGURE 46-1

RCRA FACILITY INVESTIGATION STAGE 2B KIRTLAND AIR FORCE BASE, NEW MEXICO

46.2.3 RFI Field Investigation

On June 30, and July 5, 1994, three boreholes were drilled and sampled. One borehole, sampled with the Geoprobe system, was located north-northwest of the OWSs to collect background concentration data (Figure 46-1). This location was assumed to be in an area away from any known or suspected contamination. The other boreholes were located as close to inflow and outflow piping as possible. Due to access limitations, these two boreholes were hand-augered. A concrete cutter cored through the concrete floor at each borehole location. The boreholes were then hand-augered to the desired sample depth. The Geoprobe sampler was then hand-driven 2 ft deeper to collect the soil samples. Two sample intervals were collected in each borehole: one at a depth equal to, and the other 5 ft below the unit's base (i.e., 7 and 12 ft).

Sampling operations and sample handling procedures are described in Section 3.0. Borehole locations and sample depths at OWS ST-264 are shown in Table 46-1. Borehole logs are in Appendix C.

Table 46-1. Boreholes and Samples Collected at OWS ST-264, Building 30142

Site	Borehole	Borehole Location	Sample Depths (ft)	PID/FID[a,b] ppm_v
ST-264	01	Background sampling location	7-9 12-14	0/0 0/0
	02	Near OWS inflow	7-9 12-14	0/4.5 0/0
	03	Near OWS outflow	7-9 12-14	0/0.5 0/0

a. ppm_v = parts-per-million volume (ml/L) as isobutylene for the PID and as methane for the FID.
b. PID and FID readings are values above background.

46.2.4 Laboratory Analysis

Six soil samples were collected at this site. These samples were analyzed for VOCs, SVOCs, TPH, metals, mercury (the expected contaminants associated with normal operations at this facility), soil pH, and soil moisture. The four brass tubes in each 2-ft sample interval were field screened for possible contamination using gamma and beta-gamma meters, a PID, and an FID. Elevated PID and FID readings were measured in the shallow samples collected near the OWS (Table 46-1). The brass tube with the highest PID/FID reading measured in the sample interval was submitted for VOC analysis.

46.3 Site Characteristics

46.3.1 Geology

The building 30142 area is underlain by unconsolidated alluvial sediments and weathered granite. The sediments are predominantly silty sand to fine-grained sand, with gravelly sand common at the 12- to 14-ft sample interval. Caliche was present in all boreholes as light to heavily-stained zones and patches. Three 14-ft-deep boreholes were drilled at ST-264. A discussion of the general geology at Kirtland AFB is presented in Section 2.4.

As a result of installation of the OWS it is probable that the backfill material is present adjacent to these units to a depth equal to the total depth of the unit. Borehole logs for this area are presented in Appendix C.

46.3.2 Hydrogeology

This site is in the HR2 saturated zone setting as defined by SNL studies (Figure 2-9) (SNL, 1994). HR2 straddles the Tijeras/Hubbell Springs/Sandia Fault complex. The saturated zone hydrology is characterized by the juxtaposition of higher permeability Santa Fe Group sediments against low permeability Paleozoic and Precambrian bedrock (Thorn et al., 1993). Santa Fe Group sediments are faulted down to the west across the faults. Very little is known about groundwater flow in this region except that a steep gradient exists across the fault zone. East of the fault zone, the static water elevation is estimated at 5,710 ft amsl except at Sandia Technical Area III, where the static water elevation drops to 4,920-4,935 ft amsl at Sandia Technical Area III (Figure 2-7).

Groundwater beneath ST-264 is estimated to be approximately 320 ft below the surface (Figure 2-10). This area may serve as a recharge area for the Albuquerque basin aquifer with groundwater movement west across the fault (SNL, 1994). A general discussion of the hydrogeology at Kirtland AFB is presented in Section 2.5.

46.4 Nature and Extent of Contamination

The following section describes the nature and extent of contamination based on soil sampling results. Analytical results for soil samples at OWS ST-264 are summarized in Table 46-2, where only the reportable concentrations of detected analytes are listed. Full analytical results are presented in Appendix G. Laboratory validation reports are presented in Appendix K.

Table 46-2. Summary of Reportable Concentrations for Soil Analyses at OWS ST-264 Bldg. 30142, Kirtland AFB, New Mexico [Ψ,1]
[Concentrations (mg/kg)]

Chemical Class	Analyte	PQL UTL	HHRB Action Level[2]	Borehole Number and Sample Depth Interval (ft)					
				ST-264-01		*ST-264-02*		*ST-264-03*	
				7–9	12–14	7–9	12–14	7–9	12–14
VOC	Acetone	0.1	8000	ND	0.0068 J	0.0048 J	0.0048 J	0.0084 U	0.0091 J
	Methyl Ethyl Ketone	0.1	48000	0.017	0.0025 J	ND	ND	ND	ND
	Methylene Chloride	0.005	93.3	0.0039	0.0048	0.0045	0.0048	0.0048 U	0.0057
TPH	Diesel Fraction	10	100	0.31	0.2	1.1	0.51	0.14	0.55
METALS	Aluminum	13300	N/A	9630	9810	9100	10300	10400 J	13600
	Barium	496	5600	ND	160	64.8	83.9	99.5 J	257
	Beryllium	0.83	0.2	0.52	0.62	0.61	0.62	0.53 U	0.52
	Cadmium	N/A	40	1.2	1.0	0.82	0.52	0.95 U	0.83
	Calcium	119000	N/A	14600	10400	4460	10600	42700	22900
	Chromium, Total	14.9	400	10.8	7.3	14.6	9.2	15.9 J	10.5
	Cobalt	11.3	N/A	13.4	13.6	13.1	15.5	16.2	21.8
	Copper	135	N/A	30.5	53.1	69.9	47.9	63.9 J	140
	Iron	20900	N/A	18200	22900	22800	26600	22700	30000
	Lead	22.9	400	4.8	8.1	8.1	7.2	5.1	3.9
	Magnesium	8730	N/A	8100	7890	6760	8340	8180 J	10900
	Manganese	435	400	414	528	411	579	393 J	745
	Nickel	54.4	1600	14.7	11.8	14.4	14.8	15.4 J	15.9
	Potassium	2730	N/A	2410	2630	2370	2510	2350	5950
	Sodium	519	N/A	151	254	272	292	252 J	285
	Vanadium	49.2	720	37.6	42.4	45.4	52.2	45.7 J	56.6
	Zinc	81.6	24000	54.9	81.5	66.8	84.2	76.7 J	159
OTHER	Moisture (%)			3.4	2.5	2.0	3.3	5.7	3.4
	pH			8.7	8.3	7.9	8.9	8.2	8.2

Ψ Complete table footnotes can be found after the last table in this section.

1 Complete laboratory analytical results including method detection limits are presented in the ITIR appendices.

2 Action Level Proposed Rule RCRA Subpart S Action Levels (55 FR 30814, 7/27/90).

*; TPH action level is 100 mg/kg adopted from NM UST regulations (USGS 2B Work Plan 3.6, NM El Board, 1990). SW-8015 analyzes volatile and semivolatile petroleum hydrocarbon fractions separately. The total concentration of the two fractions analyzed under 8015 will be used to assess compliance with stipulated action levels for the purpose of this RFI.

PQL; Practical Quantitation Limits (defines VOC, SVOC and TPH).

pCi/g; Picocuries per gram.

VOC; Volatile Organic Compounds.

TPH; Total Petroleum Hydrocarbons.

RAD; Radionuclides.

ND; Not Detected above the method detection limit.

U; Accept data (positive results may be influenced by lab contamination).

RE; Resample.

NA; Not Analyzed

UTL; Upper Tolerance Limits (defines METALS).

HHRB; Human Health Risk Based.

SVOC; Semivolatile Organic Compounds.

FR; Field Replicate.

UJ; Estimated Nondetect.

J; Estimated value.

R; Reject NDs due to interference.

--; No Data.

Organic Compounds

The following VOC analytes were detected in one or more of the soil samples collected at ST-264: acetone, methyl ethyl ketone, and methylene chloride. None of these compounds was detected at concentrations exceeding HHRB action levels (Table 46-2). These compounds were found in associated QC samples and are believed to be the result of laboratory contamination as discussed in Section 3.5.1.

No SVOC analytes were detected in any of the soil samples collected at ST-264 (Table 46-2).

Petroleum Hydrocarbons

Diesel range hydrocarbons were detected in all soil samples collected at ST-264 at concentrations ranging from 0.14 to 1.1 mg/kg. These concentrations did not exceed the NMED action level of 100 mg/kg (Table 46-2).

Metals

The following metals were detected at concentrations above the UTL but below the HHRB action levels in one or more of the soil samples collected at ST-264: chromium, cobalt, copper, magnesium, vanadium, and zinc (Table 46-2).

Soil samples at ST-264 contained manganese (528 to 745 mg/kg) above both the HHRB action level of 400 mg/kg and the UTL of 435.5 mg/kg. Also, beryllium (0.52 to 0.62 mg/kg) was detected in all boreholes above the HHRB action level of 0.2 mg/kg but below the UTL concentration of 0.83 mg/kg. These beryllium concentrations may me naturally occurring at Kirtland AFB as discussed in Section 4.2.2. A risk assessment was not performed for manganese because of the lack of VOC or TPH concentrations that would indicate a release from this unit. These manganese concentrations are believed to be naturally occurring and are probably related to the underlying geology, which is predominantly weathered granite.

Soil pH and Moisture

Soil pH ranged from 7.9 to 8.9. Soil moisture values ranged from 2.0 to 5.7 percent (Table 46-2).

46.5 Conclusions and Recommendations

Conclusions

- Three VOCs were detected in soil samples from ST-264; however, all concentrations were below HHRB action levels. No SVOCs were detected.
- Diesel range hydrocarbons were detected in all soil samples. None of the detections exceeded the NMED action level of 100 mg/kg.
- Beryllium and manganese were the only metals detected above the HHRB action levels. Beryllium was detected in every sample. Manganese concentrations in the deeper samples exceeded the UTL. These concentrations of beryllium and manganese appear to be naturally occurring at Kirtland AFB.
- ST-264 analytical results are not indicative of a release from this unit.

Recommendations

- Based on the findings of the RFI, no further action is necessary; therefore, Site ST-264 does not require further investigation. A No Further Action proposal should be prepared.

47.0 Site ST-265, Oil/Water Separator

47.1 Site Background and Environmental Setting

OWS ST-265 is located inside the service bay of building 30146 (Figure 47-1). The unit is concrete, has a metal cover, and is 1.7 ft wide by 4 ft long, and 4 ft deep. According to Air Force Civil Engineering Division blueprints, the OWS receives inflow from adjacent floor drains in building 30146. The inflow pipe enters the OWS on the west end and the discharge line exits the unit on the east end. The discharge line ties into a sanitary sewer lateral running north-south on the east side of building 30146. Based on the physical characteristics of the site, potential overflow runoff would pool inside the service bays and drain back into the OWS via adjacent floor drains. Building 30146 is the Manzano Security Police garage. OWS ST-265 was investigated on June 28, 1994.

Building 30146 is located in the DOE Training Area of Kirtland AFB, which used to be part of the Manzano Base. This site is isolated from the urban/industrial environmental zone located at the foot of the Manzanita Mountains on the east boundary of the Albuquerque-Belen Basin. No production wells are located near this site.

47.2 Study Area Investigation

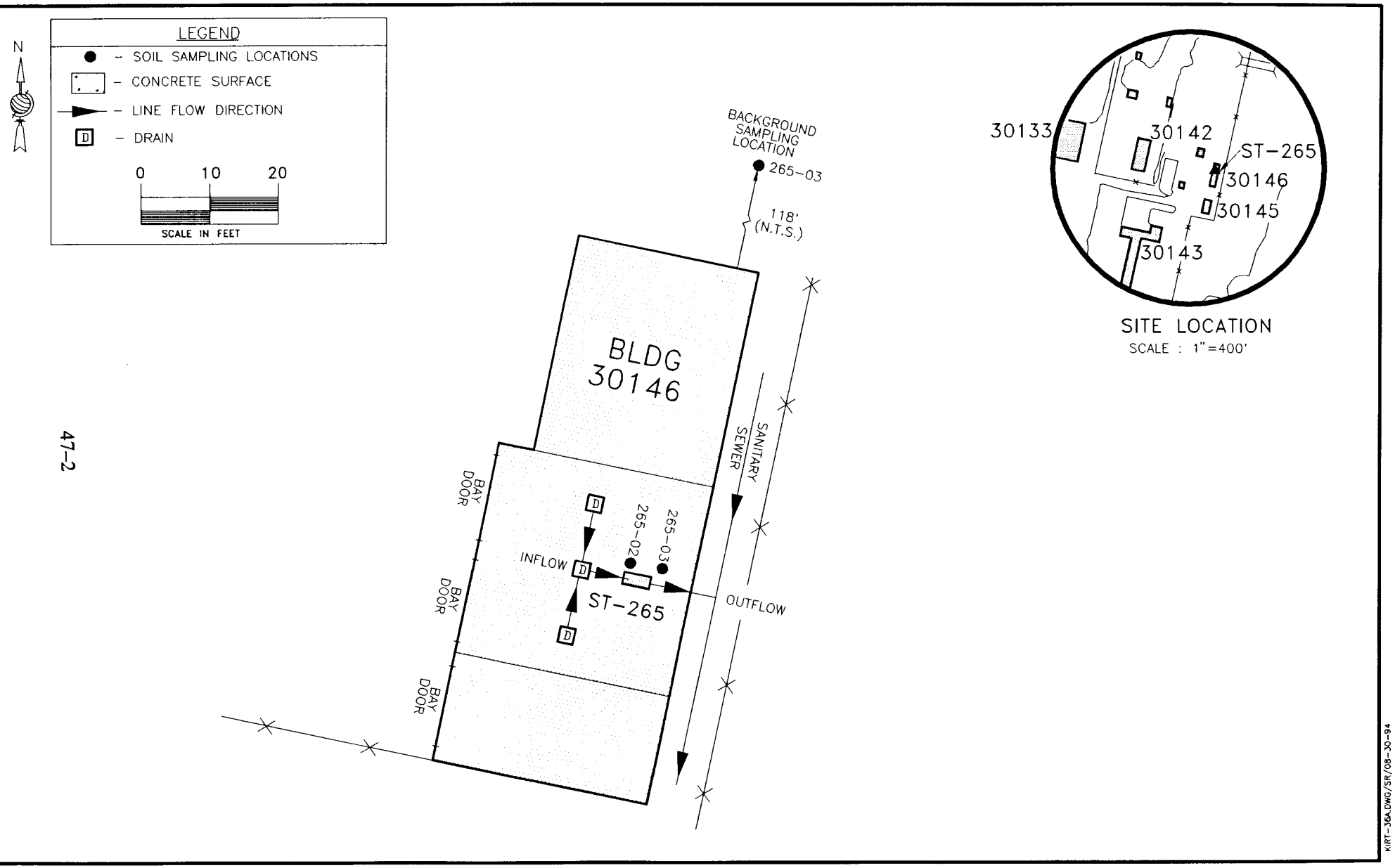
Possible source materials were not investigated during this study. Previous investigations sampled source materials as described below.

47.2.1 Previous Investigations

Materials present in OWS ST-265 were sampled by a Kirtland AFB environmental contractor in 1990, 1991, and 1992. TPH was reported at 1,900 mg/kg in the 1990 sample. The 1991 sample contained 139,000 mg/kg of TPH and 791 mg/kg of TOX. The 1992 sample contained 1,207 mg/kg of TPH and 305 mg/kg of TOX. Full laboratory results for these samplings are in Appendix B of the USGS Stage 2B Work Plan (USGS, 1993a).

47.2.2 Data Gaps

The main objective of this investigation was to determine if contamination is present in the subsurface soil adjacent to OWS ST-265. A secondary objective was to determine the unit's outflow and potential overflow runoff destinations.



SOIL SAMPLING LOCATIONS AT OIL/WATER SEPARATOR ST-265, BUILDING 30146

FIGURE 47-1

RCRA FACILITY INVESTIGATION STAGE 2B KIRTLAND AIR FORCE BASE, NEW MEXICO

47.2.3 RFI Field Investigation

Three boreholes were drilled and sampled at ST-265 on June 28, 1994. Borehole number ST-265-03 was placed in a location assumed to be away from any known or suspected contamination for the purpose of collecting background concentration data. The remaining two boreholes were located as close as possible to the inflow and outflow lines of the unit. Two sample intervals were collected in each borehole: one at a depth equal to the base of the unit, and the other 5 ft below the unit's base (i.e., 4 and 9 ft below grade).

Sampling operations and sample handling procedures are described in Section 3.0. Borehole locations, sample depths, and replicate samples collected at ST-265 are listed in Table 47-1. Borehole logs are in Appendix C.

Table 47-1. Boreholes and Samples Collected at ST-265, Building 30146

Site	Borehole	Borehole Location	Sample Depths (ft)
ST-265	01	Near OWS outflow	4-6
			9-11
	02	Near OWS inflow	4-8[a]
			9-11
	03	Background sampling borehole 118 ft north of building 30146	4-6
			9-11

a. Replicate sample also collected at this depth interval.

47.2.4 Laboratory Analysis

Including replicate samples, seven soil samples were collected for laboratory analysis at ST-265. These samples were analyzed for VOCs, SVOCs, TPH, metals, mercury (the expected contaminants associated with normal operations at this building), soil pH, and soil moisture. Soil samples were field screened for possible contamination using gamma and beta-gamma meters, a PID, and an FID organic vapor meter. No readings above background values were measured with these instruments.

47.3 Site Characteristics

47.3.1 Geology

The building 30146 area is underlain by unconsolidated alluvial sediments and weathered granite. The sediments are predominantly fine-grained sands and very fine-grained to fine-grained silty sands. Weathered granite was encountered at various depths, becoming predominant below 9 ft. A maximum depth of 11 ft was attained at each borehole. A discussion of the general geology at Kirtland AFB is presented in Section 2.4.

As a result of OWS ST-265 installation, it is probable that backfill material is present adjacent to the OWS to a depth at least equal to the unit's total depth. Borehole logs for this site are presented in Appendix C.

47.3.2 Hydrogeology

This site is in the HR2 saturated zone setting as defined by SNL studies (Figure 2-9) (SNL, 1994). HR2 straddles the Tijeras/Hubbell Springs/Sandia Fault complex. The saturated zone hydrology is characterized by the juxtaposition of higher permeability Santa Fe Group sediments against low permeability Paleozoic and Precambrian bedrock (Thorn et al., 1993). Santa Fe Group sediments are faulted down to the west across the faults. Very little is known about groundwater flow in this region except that a steep gradient exists across the fault zone. East of the fault zone, the static water elevation is estimated at 5,710 ft amsl; however, it drops to 4,920-4,935 ft amsl at Sandia Technical Area III (Figure 2-7).

Groundwater beneath ST-265 is estimated to be approximately 320 ft below the surface (Figure 2-10). This area may serve as a recharge area for the Albuquerque basin aquifer with groundwater movement west across the fault (SNL, 1994). A more detailed discussion of the hydrogeology at Kirtland AFB is presented in Section 2.5.

47.4 Nature and Extent of Contamination

The following section describes the nature and extent of contamination based on the analytical results for soil samples collected at ST-265. Analytical results are presented in Table 47-2, where only reportable concentrations of detected analytes are listed. Complete analytical results are presented in Appendix G. Laboratory validation reports are presented in Appendix K.

Table 47-2. Summary of Reportable Concentrations for Soil Analyses at OWS ST-265 Bldg. 30146, Kirtland AFB, New Mexico [Ψ,1]
[Concentrations (mg/kg)]

Chemical Class	Analyte	PQL UTL	HHRB Action Level[2]	Borehole Number and Sample Depth Interval (ft)						
				ST-265-01		*ST-265-02*			*ST-265-03*	
				4–6	9–11	4–8	4–8 FR	9–11	4–6	9–11
VOC	Acetone	0.1	8000	0.0020 J	ND	ND	ND	ND	ND	ND
	Methylene Chloride	0.005	93.3	0.013	0.0035	0.0035	ND	0.0041	ND	ND
	Tetrachloroethylene	0.005	800	0.0030	ND	ND	ND	ND	ND	ND
	Toluene	0.005	16000	0.012	ND	ND	ND	ND	ND	ND
TPH	Diesel Fraction	10	100	3400	0.68	0.59	0.72	0.71	2.3	1
METALS	Aluminum	13300	N/A	11600	9440	9230	8650	7090	12100	8610
	Barium	496	5600	144	76.9	108	99.7	96.2	138	149
	Beryllium	0.83	0.2	0.62	0.72	0.63	0.62	0.51	0.77	0.52
	Cadmium	N/A	40	ND	0.72	0.84	0.82	ND	ND	0.63
	Calcium	119000	N/A	12100	9420	29300	22300	10400	11900	15900
	Chromium, Total	14.9	400	8.9	14.6	10.7	14.3	12.6	12.6	14.7
	Cobalt	11.3	N/A	17.8	15.4	13.6	14.0	12.3	10.5	13.5
	Copper	135	N/A	69.1	143	25.7	51.6	33.1	25.2	48.2
	Iron	20900	N/A	25000	24200	19400	23000	20100	18100	22300
	Lead	22.9	400	4.4	5.7	3.8	4.0	6.1	5.9	3.4
	Magnesium	8730	N/A	9810	7850	7960	6790	6100	7970	8240
	Manganese	435	400	584	470	409	370	335	411	323
	Nickel	54.4	1600	13.4	18.4	12.9	88.2	12.5	16.3	12.9
	Potassium	2730	N/A	5180	2520	2680	2410	2020	2710	2930
	Selenium	N/A	400	7.6	ND	ND	ND	ND	ND	7.3
	Sodium	519	N/A	313	260	327	354	231	424	469
	Vanadium	49.2	720	47.3	49.5	40.3	49.5	43.3	36.2	53.0
	Zinc	81.6	24000	89.2	90.7	51.2	55.8	45.8	46.9	47.3
OTHER	Moisture (%)			2.6	2.1	4.4	2.8	2.1	8.6	4.2
	pH			8.0	9.0	8.6	9.0	9.0	8.7	8.3

Ψ Complete table footnotes can be found at the end of this section.

1 Complete laboratory analytical results including method detection limits are presented in the ITIR appendices.

2 Action Level Proposed Rule RCRA Subpart S Action Levels (55 FR 30814, 7/27/90).

*; TPH action level is 100 mg/kg adopted from NM UST regulations (USGS 2B Work Plan 3.6, NM EI Board, 1990). SW-8015 analyzes volatile and semivolatile petroleum hydrocarbon fractions separately. The total concentration of the two fractions analyzed under 8015 will be used to assess compliance with stipulated action levels for the purpose of this RFI.

PQL; Practical Quantitation Limits (defines VOC, SVOC and TPH).

pCi/g; Picocuries per gram.

VOC; Volatile Organic Compounds.

TPH; Total Petroleum Hydrocarbons.

RAD; Radionuclides.

ND; Not Detected above the method detection limit.

U; Accept data (positive results may be influenced by lab contamination).

RE; Resample.

NA; Not Analyzed

UTL; Upper Tolerance Limits (defines METALS)

HHRB; Human Health Risk Based.

SVOC; Semivolatile Organic Compounds.

FR; Field Replicate.

UJ; Estimated Nondetect.

J; Estimated value.

R; Reject NDs due to interference.

--; No Data.

Organic Compounds

VOC analytes detected in one or more of the soil samples collected at ST-265 include: acetone, methylene chloride, tetrachloroethylene, and toluene. The concentrations of these compounds did not exceed HHRB action levels (Table 47-2). Acetone, methylene chloride, and toluene were found in associated QC samples and are believed to be the result of laboratory contamination as discussed in Section 3.5.1.

No SVOC analytes were detected in soil samples collected at ST-265.

Petroleum Hydrocarbons

Diesel range hydrocarbons were detected in all seven soil samples collected at ST-265. Diesel range organic concentrations ranged from 0.59 to 2.3 mg/kg in all samples except for the 4- to 6-ft sample from borehole ST-265-01, where a concentration of 3,400 mg/kg was detected. The 9- to 11-ft soil sample collected from the same borehole had a diesel range concentration of 0.68 mg/kg. Except for the sample from ST-265-01 (4 to 6 ft), diesel range organic concentrations did not exceed the NMED action level of 100 mg/kg (Table 47-2).

Metals

The following metals were detected at concentrations above the UTL but below the HHRB action levels in one or more soil samples collected at ST-265: cobalt, copper, magnesium, nickel, vanadium, and zinc (Table 47-2).

Beryllium and manganese were the only metals detected above the HHRB action levels. Beryllium was present in all seven samples at concentrations ranging from 0.51 to 0.77 mg/kg. Four samples contained manganese at concentrations ranging from 409 to 584 mg/kg, above the HHRB action level of 400 mg/kg. These beryllium concentrations may be naturally occurring at Kirtland AFB, as discussed in Section 4.2.2. A risk assessment was not performed for manganese because these concentrations appear to be naturally occurring in this area of Kirtland AFB. Elevated manganese concentrations were also found in nearby site ST-264 (Section 46.0) where the underlying geology is also predominantly weathered granite.

Soil pH and Moisture

Soil pH ranged from 8.0 to 9.0. Soil moisture values ranged from 2.1 to 8.6 percent.

47.5 Conclusions and Recommendations

Conclusions

- Acetone, methylene chloride, toluene, and tetrachloroethylene were detected in soil samples collected at ST-265. All detections were below HHRB action levels. No SVOCs were detected in these samples.

- A diesel range hydrocarbon concentration of 3,400 mg/kg was detected in the 4- to 6-ft sample from borehole ST-265-01. Concentrations significantly decreased with depth. The deeper (9- to 11-ft) sample from this borehole only contained 0.68 mg/kg. All other detections at ST-265 were below the NMED action level of 100 mg/kg.

- The only metals detected at concentrations exceeding HHRB action levels were beryllium and manganese. These concentrations of beryllium and manganese appear to be naturally occurring throughout Kirtland AFB.

- The detection of diesel range hydrocarbons in borehole ST-265-01 (located adjacent to the OWS) is indicative of a release from the unit.

Recommendations

- Additional soil sampling should be performed at ST-265 to confirm and define the horizontal and vertical extent of diesel range hydrocarbons in the soil.

48.0 Site ST-266, Area Drain

48.1 Site Background and Environmental Setting

Area drain ST-266 is located outdoors approximately 40 ft west of the north corner of building 57001 (Figure 48-1). It is made of concrete and has a metal grate cover. The unit measures 6.8 ft long, 4.8 ft wide (outside dimensions), and 3 ft deep. The unit is in a small depression and receives surface runoff from the surrounding asphalt-paved area and the northeast side of the building. An inflow pipe enters the area drain on the south side, and an outflow pipe exits the unit on the north side. The inflow pipe is believed to originate in building 57001. It is not known what sources discharge into this line. The outflow pipe is believed to discharge to a buried drainage culvert that runs east to west approximately 30 ft north of ST-266. Overflow runoff from the unit would disperse over the surrounding asphalt with the potential of reaching the unpaved area to the west of the asphalt. Building 57001 is part of the Civil Engineering Research Facility located in the south-central portion of Kirtland AFB. ST-266 was investigated on June 23, July 13, and July 20, 1994.

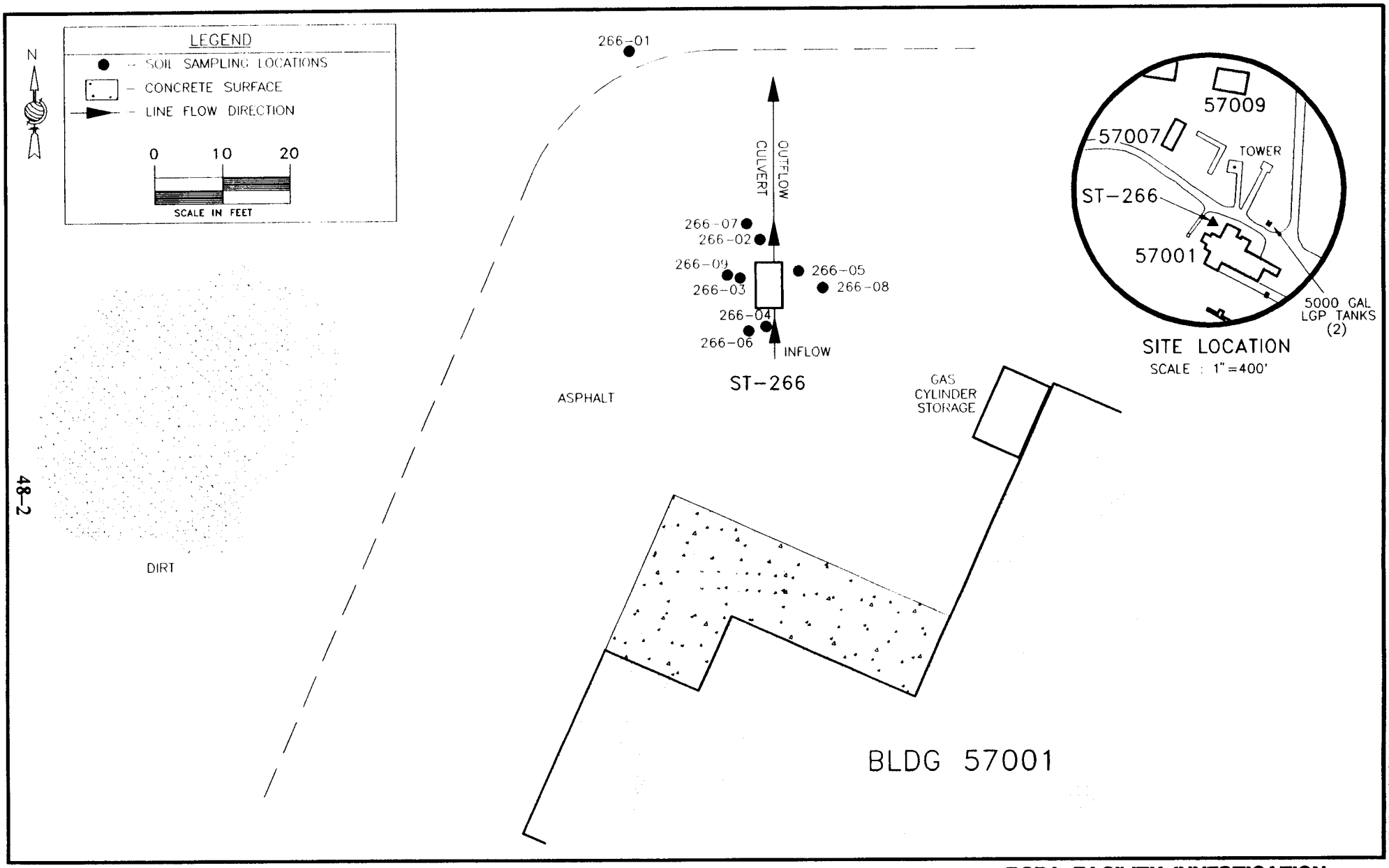
Building 57001 is located on the Hubbell Bench, on the east boundary of the Albuquerque-Belen Basin (USGS, 1993a). The nearest production well to the site is KAFB-10. It is located approximately 18,000 ft to the northwest and is controlled and operated by DOE and SNL (Figure 2-11).

48.2 Study Area Investigation

Possible source materials were not investigated during this study. Previous investigations sampled source materials as described below.

48.2.1 Previous Investigations

In 1990, 1991, and 1992, a Kirtland AFB environmental contractor sampled materials present in area drain ST-266. The 1992 sample contained concentrations of TOX at 275 mg/kg. Chromium, cadmium, and lead were also detected at concentrations above the RCRA toxicity limits for the TCLP analysis. Full laboratory results for these sampling efforts are presented in Appendix B of the USGS Stage 2B Work Plan (USGS, 1993a).



SOIL SAMPLING LOCATIONS AT
AREA DRAIN
ST-266, BUILDING 57001

FIGURE 48-1

RCRA FACILITY INVESTIGATION
STAGE 2B
KIRTLAND AIR FORCE BASE, NEW MEXICO

48.2.2 Data Gaps

The main objective of this investigation was to determine if contamination is present in the subsurface soil adjacent to area drain ST-266. A secondary objective was to determine the unit's outflow and potential overflow runoff destinations.

48.2.3 RFI Field Investigation

Soil samples were collected at ST-266 first using a Geoprobe system and later with a hollow-stem auger (HSA) drill rig. Initially, boreholes ST-266-01 through ST-266-05 were drilled and sampled using the Geoprobe on June 23, 1994 (Figure 48-1). Borehole ST-266-01 was placed in a location away from any known or suspected contamination for the purpose of collecting background concentration data. Borehole ST-266-02 was drilled adjacent to the outflow line and ST-266-04 was drilled adjacent to the inflow. The other two boreholes were drilled near the sides of the unit. Geoprobe soil samples were initially planned for two depths: 3 ft below the base of the unit, and 10 ft below the first sample depth (i.e., 6 and 16 ft below grade).

Stained soil, emitting a slight odor, was observed in lithologic and analytical samples collected at 10 ft and at deeper intervals in boreholes ST-266-02, ST-266-03, and ST-266-04. Field screening instrument readings did not detect elevated organic vapor readings in the soil. An attempt to collect additional soil samples was made at each borehole with the Geoprobe, but refusal limited borehole depths of 22 to 24 ft.

On July 13 and July 20, 1994, a HSA drill rig was used to collect additional, deeper samples at ST-266. This sampling effort was conducted in the attempt to define the vertical extent of contamination in the area below ST-266. On July 13, 1994, boreholes ST-266-06 and ST-266-07 were drilled and sampled at locations as close as possible to the locations of boreholes ST-266-04 and ST-266-02, respectively. On July 20, 1994, boreholes ST-266-08 and ST-266-09 were drilled and sampled at locations as close as possible to the locations of boreholes ST-266-05 and ST-266-03, respectively (Figure 48-1). HSA soil samples were collected for laboratory analysis at depths of 18- and 30-ft below grade at boreholes ST-266-06, -07, and -09. Refusal was reached at depths ranging from 40 to 40.5 ft below grade in these boreholes. At ST-266-08, one sample was collected at the 18-ft-depth interval and refusal occurred at 20 ft below grade.

Geoprobe and HSA sampling operations and sample handling procedures are described in Section 3.0. Borehole locations, sample depths, and replicate samples collected at ST-266 are listed in Table 48-1. Borehole logs are in Appendix C.

Table 48-1. Boreholes and Samples Collected at Area Drain ST-266, Building 57001

Site	Borehole	Borehole Location	Sample Depths (ft)	PID/FID (ppm_v)[a,b]
ST-266	01	Background sampling location	6-10[c]	0/[d]
			16-18	0/[d]
	02	North side of unit, near outflow	6-8	0/[d]
			16-18	0/[d]
	03	West side of unit	6-8	0/[d]
			16-18	0/[d]
			22-24	0/[d]
	04	South side of unit, near inflow	6-8	0/[d]
			16-18	0/[d]
	05	East side of unit	6-10[c]	0/[d]
			16-18	0/[d]
	06[e]	2 ft south of ST-266-04	18-20	[d]/4,250
			30-31	[d]/1,500
	07[e]	2 ft northwest of ST-266-02	18-20[c]	[d]/2,000
			30-32	[d]/1,700
	08[e]	1.5 ft east of ST-266-05	18-20	[d]/600
	09[e]	1 ft west of ST-266-03	18-20	[d]/9,000
			30-32	[d]/1,000

a. PID and FID readings are values above background.
b. ppm_v = parts per million volume (ml/L) as isobutylene for the PID and as methane for the FID.
c. Replicate sample also collected at this depth interval.
d. PID or FID not used to analyze this sample.
e. Hollow-stem auger samples.

48.2.4 Laboratory Analysis

Including replicate samples, 21 soil samples were collected for laboratory analysis at ST-266. These samples were analyzed for VOCs, SVOCs, TPH, metals, mercury (the expected contaminants associated with normal operations at this building), soil pH, and soil moisture. The four brass tubes in each 2-ft sample interval were field screened for possible contamination using gamma and beta-gamma meters, a PID, and/or an FID. The brass tube with the highest reading was submitted for VOC analysis. The highest PID/FID reading for each sample interval is listed in Table 48-1.

48.3 Site Characteristics

48.3.1 Geology

The building 57001 area is underlain by unconsolidated alluvial sediments and weathered granite. The sediments are predominantly fine-grained sands and very fine-grained to fine-grained silty sands. Weathered granite was encountered at various depths, usually between 18 and 22 ft below grade. A maximum depth of 24 ft was attained with the Geoprobe at ST-266-03. A maximum depth of 40.5 ft was attained by the HSA drilling at borehole ST-266-07. No boreholes penetrated into the Santa Fe Group sediments that presumably underlie this area. A discussion of the general geology at Kirtland AFB is presented in Section 2.4.

As a result of area drain ST-266 installation, it is probable that backfill material is present adjacent to the area drain to a depth at least equal to the unit's total depth. Borehole logs for this site are presented in Appendix C.

48.3.2 Hydrogeology

This site is on the western edge of the Hydrologic Region III (HR3) saturated zone setting as defined by SNL studies (Figure 2-9). Bedrock in this area is inferred to be Permian and Pennsylvanian aged sedimentary rocks. Near the mountains, bedrock is inferred to be Precambrian granites and metamorphic rocks. Bedrock is covered by alluvial material, and the thickness of this cover presumably increases west away from the mountains. Depth to groundwater is estimated at 90 to 100 ft below grade (Figure 2-10) (SNL, 1994). Groundwater flow is west-northwest (Figure 2-6). The nearest production well is KAFB-10, located nearly 4 miles to the northwest, potentially downgradient of the site (Figures 2-7 and 2-11). Hydraulic conductivity values based on testing range from 6.52 to 114.5 ft/day. A more detailed discussion of the hydrogeology at Kirtland AFB is presented in Section 2.5.

48.4 Nature and Extent of Contamination

The following section describes the nature and extent of contamination based on the analytical results for samples collected at ST-266. Analytical results are presented in Table 48-2, where only reportable concentrations of detected analytes are listed. Complete analytical results are presented in Appendix G. Laboratory validation reports are presented in Appendix K.

Table 48-2. **Summary of Reportable Concentrations for Soil Analyses at Area Drain ST-266 Bldg. 57001, Kirtland AFB, New Mexico [Ψ,1]**
[Concentrations (mg/kg)]

Chemical Class	Analyte	PQL UTL	HHRB Action Level[2]	Borehole Number and Sample Depth Interval (ft)									
				ST-266-01			*ST-266-02*		*ST-266-03*			*ST-266-04*	
				6-10	6-10 FR	16-18	6-8	16-18	6-8	16-18	22-24	6-8	16-18
VOC	Acetone	0.1	8000	ND	ND	ND	ND	0.047	ND	0.29	0.3	ND	0.17
	Benzene	0.005	24.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methylene Chloride	0.005	93.3	0.0038	0.0036	0.0043	0.0039	0.0042	0.0041 U	0.0058	0.0035	0.0074	0.0074
SVOC	Bis(2-Ethylhexyl)Phthalate	0.7	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	di-n-Butylphthalate	0.7	8000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Di-n-Octylphthalate	0.7	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TPH	Diesel Fraction	10	100	0.6	1.5	0.39	0.64	0.31	0.54	0.76	0.074	ND	1
METALS	Aluminum	13300	N/A	3940	2990	3740	4460	4740	4550 J	2840	5300	5290	4790
	Antimony	N/A	32	ND	ND	ND	ND	ND	ND UJ	ND	ND	ND	ND
	Arsenic	N/A	0.4	ND	ND	7.9	ND	ND	ND	ND	ND	ND	ND
	Barium	496	5600	63.3	64.1	103	155	63.2	495	68.2	96.5	162	116
	Beryllium	0.83	0.2	0.43	0.31	0.42	0.43	0.52	0.43 U	0.31	0.53	0.44	0.42
	Cadmium	N/A	40	ND	ND	ND	ND	ND	ND	ND	ND	0.54	ND
	Calcium	119000	N/A	41900	29900	37000	82800	46800	97400	29000	24600	84100	106000
	Chromium, Total	14.9	400	6.5	7.8	6.9	5.2	8.6	10.0	3.9	7.1	8.3	9.2
	Cobalt	11.3	N/A	3.2	2.5	2.9	4.2	2.8	2.6 U	2.2	2.5	2.8	2.1
	Copper	135	N/A	40.7	28.4	32.8	10.1	159	20.2 J	18.7	37.4	19.5	297
	Iron	20900	N/A	6350	5540	5680	5330	9320	5860	6760	8540	6580	7690
	Lead	22.9	400	10.6	5.5	5.6	16.9	11.3	6.7	8.3	3.3	7.1	6.9
	Magnesium	8730	N/A	2420	1900	2620	3660	2520	3820	1590	2760	3310	3670
	Manganese	435	400	155	141	130	86.8	249	99.7	155	118	111	196
	Mercury	N/A	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Nickel	54.4	1600	16.4	32.5	3.7	4.1	11.6	5.5	4.0	5.8	22.9	17.1
	Potassium	2730	N/A	816	699	740	777	855	633	629	715	958	848
	Silver	N/A	400	ND	0.31	0.32	0.54	ND	ND	ND	ND	ND	ND
	Sodium	519	N/A	77.5	65.1	295	66.6	64.8	83.3 U	46.4	59.6	79.3	102
	Thallium	N/A	7.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vanadium	49.2	720	11.7	10.9	17.0	19.8	16.4	20.4 J	10.1	16.2	17.5	16.0
	Zinc	81.6	24000	37.5	26.8	30.7	20.8	76.5	25.1 J	26.1	31.9	25.7	130
OTHER	Moisture (%)			6.2	3.8	5.5	7.0	3.0	7.0	4.1	5.1	9.1	3.7
	pH			8.1	8.0	8.6	7.5	8.0	7.9	8.1	8.2	7.9	8.2

Chemical Class	Analyte	PQL UTL	HHRB Action Level[2]	Borehole Number and Sample Depth Interval (ft)										
				ST-266-05			*ST-266-06*		*ST-266-07*			*ST-266-08*	*ST-266-09*	
				6-10	6-10 FR	16-18	18-20	30-31	18-20	18-20 FR	30-32	18-20	18-20	30-32
VOC	Acetone	0.1	8000	ND	0.12	0.078	0.16	0.12	0.2	0.14	0.2	0.14	0.23	0.19
	Benzene	0.005	24.1	ND	ND	ND	ND	ND	ND	ND	ND	0.001 J	ND	ND
	Methylene Chloride	0.005	93.3	0.0075	0.0085	0.0078	ND	ND	ND	ND	0.003 J	ND	ND	ND
SVOC	Bis(2-Ethylhexyl)Phthalat	0.7	50	ND	ND	ND	ND	ND	0.33 J	ND	0.045	0.044 J	ND	0.23 J
	di-n-Butylphthalate	0.7	8000	0.25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Di-n-Octylphthalate	0.7	N/A	ND	ND	ND	ND	ND	ND	ND	0.059	ND	ND	ND
TPH	Diesel Fraction	10	100	0.46	ND	1.2	ND	ND	ND	ND	0.033	ND	ND	ND
METALS	Aluminum	13300	N/A	3540	4210	3250	2950	4720	3910	3120	3920	3780	4280	5490
	Antimony	N/A	32	ND	ND	ND	ND	ND	ND	ND	ND	6.9	5.6	5.2
	Arsenic	N/A	0.4	ND	ND	ND	3.6	4.3	2.9	2.4	3.0	2.4	2.6	3.8
	Barium	496	5600	264	255	109	215	55.1	46.0	40.0	39.0	132	56.9	63.9
	Beryllium	0.83	0.2	0.32	0.43	0.33	0.28	0.74	0.19	0.13	0.59	0.21	0.25	0.72
	Cadmium	N/A	40	ND	ND	ND	0.72	0.31	0.32	ND	ND	0.53	0.31	ND
	Calcium	119000	N/A	67900	70500	48600	61500	81400	74800	53700	98000	65500	88200	85400
	Chromium, Total	14.9	400	4.6	7.3	11.5	5.7	8.9	5.5	4.1	9.5	7.5	4.9	14.7
	Cobalt	11.3	N/A	3.0	2.4	2.5	8.0	2.5	1.5	1.5	2.1	2.4	1.9	2.4
	Copper	135	N/A	32.2	38.6	103	27.2	20.7	9.1	18.3	10.8	25.7	7.1	19.4
	Iron	20900	N/A	4540	6260	6310	5810	7750	4690	3930	5640	6250	5280	7910
	Lead	22.9	400	6.6	9.7	5.9	5.0	9.5	47.1	46.1	6.7	8.2	5.5	8.3
	Magnesium	8730	N/A	2740	3330	2350	1660	2450	2320	1760	1920	2470	2450	2510
	Manganese	435	400	94.9	91.9	125	1510	304	130	105	218	170	151	179
	Mercury	N/A	20	ND	ND	ND	0.07	0.06	ND	ND	0.07	ND	ND	0.06
	Nickel	54.4	1600	ND	21.1	13.8	25.1	8.2	5.0	3.1	4.6	7.0	7.6	5.8
	Potassium	2730	N/A	518	709	578	555	1040	537	581	938	635	804	1220
	Silver	N/A	400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Sodium	519	N/A	59.6	77.2	64.7	40.3	68.2	71.2	51.7	129	120	76.5	164
	Thallium	N/A	7.2	ND	ND	ND	0.43	ND	ND	ND	ND	ND	ND	ND
	Vanadium	49.2	720	18.6	20.4	11.8	13.3	15.0	8.3	7.5	10.6	10.5	8.7	13.3
	Zinc	81.6	24000	24.4	31.0	65.0	101	46.8	21.1	19.6	29.1	48.8	20.2	38.6
OTHER	Moisture (%)			6.1	5.9	6.3	2.4	3.5	4.8	5.9	4.0	3.9	7.2	4.9
	pH			8.1	8.0	8.3	9.0	8.8	8.8	8.7	9.1	10.3	8.5	9.2

1 Complete laboratory analytical results including method detection limits are presented in the ITIR appendices.

2 Action Level Proposed Rule RCRA Subpart S Action Levels (55 FR 30814, 7/27/90).

*; TPH action level is 100 mg/kg adopted from NM UST regulations (USGS 2B Work Plan 3.6, NM El Board, 1990). SW-8015 analyzes volatile and semivolatile petroleum hydrocarbon fractions separately. The total concentration of the two fractions analyzed under 8015 will be used to assess compliance with stipulated action levels for the purpose of this RFI.

PQL; Practical Quantitation Limits (defines VOC, SVOC and TPH).

pCi/g; Picocuries per gram.

VOC; Volatile Organic Compounds.

TPH; Total Petroleum Hydrocarbons.

RAD; Radionuclides.

ND; Not Detected above the method detection limit.

U; Accept data (positive results may be influenced by lab contamination).

RE; Resample.

NA; Not Analyzed

UTL; Upper Tolerance Limits (defines METALS).

HHRB; Human Health Risk Based.

SVOC; Semivolatile Organic Compounds.

FR; Field Replicate.

UJ; Estimated Nondetect.

J; Estimated value.

R; Reject NDs due to interference.

--; No Data.

Organic Compounds

VOC analytes detected in one or more of the soil samples collected at ST-266 include acetone, benzene, and methylene chloride. These compounds were not detected at concentrations exceeding HHRB action levels (Table 48-2). Methylene chloride was found in associated QC samples and may be the result of laboratory contamination as discussed in Section 3.5.1.

SVOC analytes detected in one or more of the soil samples collected at ST-266 include bis(2-ethylhexyl)phthalate, di-n-butylphthalate, and di-n-octylphthalate. These compounds were not detected at concentrations that exceeded HHRB action levels (Table 48-2). Di-n-butylphthalate and di-n-octylphthalate were only found in one sample each. Bis(2-ethylhexyl)phthalate was found in four samples.

Petroleum Hydrocarbons

Diesel range hydrocarbons were detected in 12 of the 21 samples collected at ST-266. Diesel range hydrocarbon concentrations ranged from 0.033 to 1.5 mg/kg. These concentrations did not exceed the NMED action level of 100 mg/kg for petroleum hydrocarbons (Table 23-2).

Metals

Table 48-2 lists reportable concentrations of metals detected at ST-266. Arsenic, beryllium, and manganese were detected above their respective HHRB action levels of 0.4, 0.2, and 400 mg/kg, respectively. Arsenic was detected in nine samples at concentrations ranging from 2.4 to 7.9 mg/kg. Beryllium concentrations ranged from 0.21 to 0.74 mg/kg in each sample collected at ST-266. Manganese was detected at 1,510 mg/kg in the 18- to 20-ft sample from borehole ST-266-06. These beryllium concentrations may be naturally occurring at Kirtland AFB as discussed in Section 4.2.2.

Soil pH and Moisture

Soil pH ranged from 7.5 to 10.3. Soil moisture values ranged from 2.4 to 9.1 percent (Table 48-2).

48.5 Risk Characterization Summary

A baseline risk assessment for Site ST-266 was conducted according to the methods outlined in Section 3.6. All calculations to support this risk assessment are provided in Appendix H.

The only potential constituents of concern found in the soil at ST-266 in excess of HHRB action levels were arsenic and manganese. Twenty-one soil samples were collected from this site. The data set for arsenic was evaluated and found to have a normal sample distribution, and the data set for

manganese was found to have a log-normal sample distribution. The 95% UCL was calculated as 5.78 for arsenic and as 322.33 for manganese. Arsenic is classified with an "A" weight of evidence while manganese is classified with a "D" weight of evidence. This means that arsenic is classified as a human carcinogen, but manganese is unclassifiable as to its human carcinogenicity.

The reference dose of 0.0003 mg/kg/day and cancer slope factor of 1.8 $(mg/kg\text{-}day)^{-1}$ for arsenic and a reference dose of 0.005 mg/kg/day for manganese were used to calculate the corresponding hazard quotients and lifetime cancer risk as discussed in Section 3.6. Based on this information, the "worst case" scenario (future residential land use) was evaluated for the incidental ingestion of soil from Site ST-266. The arsenic hazard quotients generated for the adult and child were 0.03 and 0.25, respectively. The manganese hazard quotients generated for the adult and child were 0.09 and 0.8, respectively. The hazard index calculated for arsenic and manganese from the incidental ingestion of soil at this site (1.2) was greater than unity. Therefore, noncarcinogenic health risks may occur based on this "worst case" exposure scenario, since the hazard index is in excess of the USEPA acceptable limit.

The carcinogenic risk generated for arsenic from the incidental ingestion of soil at Site ST-266 was 2×10^{-5}. The USEPA has generally defined risks in the range of 10^{-4} to 10^{-6} as being acceptable for most hazardous waste sites addressed under CERCLA. Therefore, carcinogenic risk is not likely to be associated with these exposures.

48.6 Conclusions and Recommendations

Conclusions

- A total of three VOCs and three SVOCs were detected in soil samples at Site ST-266. All concentrations were below HHRB action levels.

- Diesel range hydrocarbons were detected in 12 of the 21 samples collected at this site. All concentrations were below the NMED action level of 100 mg/kg.

- Beryllium was detected above HHRB action levels in all but two soil samples collected at ST-266. These beryllium concentrations may be naturally occurring at Kirtland AFB.

- A baseline risk assessment was performed at Site ST-266 to determine hypothetical carcinogenic and noncarcinogenic health risks from arsenic and manganese present in the soil. A future residential land use scenario ("worst case") was evaluated for the incidental ingestion of soil by child and adult residents. The hazard index for arsenic and manganese at this site was

determined to be greater than 1.0; therefore, noncarcinogenic health risks may be associated with this exposure scenario. The carcinogenic health risk was determined to be 2×10^{-5}, which is within the USEPA acceptable risk range of 10^{-4} to 10^{-6}. Therefore, no carcinogenic risk is likely to be associated with these exposures.

Recommendations

- Based on the RFI findings, there may be noncarcinogenic risks associated with arsenic and manganese in the soil at Site ST-266. Additional soil sampling should be performed and these samples analyzed for arsenic using a more sensitive method to confirm or deny an arsenic release at this site.

49.0 Site ST-267, Oil/Water Separator

49.1 Site Background and Environmental Setting

OWS ST-267 is outdoors near the middle of a wash rack that is west of the north corner of building 57007 (Figure 49-1). Building 57007 is part of the Civil Engineering Research Facility located in the south-central portion of Kirtland AFB. The OWS which is concrete with a metal grate cover, is 4.8 ft long, 2.8 ft wide, and 4 ft deep. ST-267 receives wash rack runoff. An outflow pipe exits the unit on the south side and joins a storm sewer pipe running east to west on the south side of building 57007. Overflow runoff from the unit would disperse over the surrounding wash rack, potentially reaching the adjacent unpaved area. ST-267 was investigated on June 24 and June 27, 1994.

Building 57007 is located on the Hubbell Bench, on the east boundary of the Albuquerque-Belen Basin (USGS, 1993a). The nearest production well to the site is KAFB-10 (Figure 2-11). Located approximately 18,000 ft to the northwest, it is controlled and operated by DOE and SNL.

49.2 Study Area Investigation

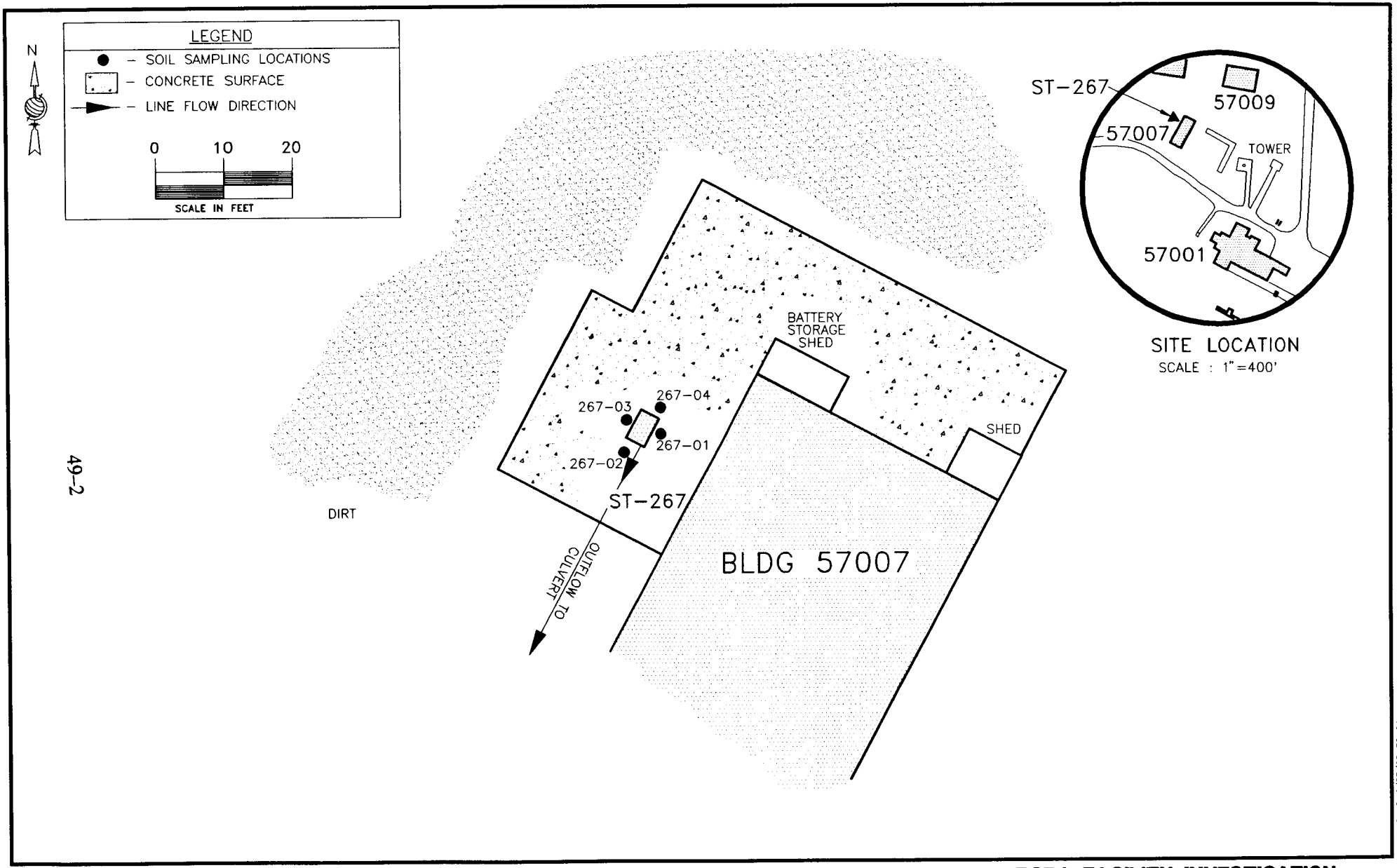
Possible source materials were not investigated during this study. Previous investigations sampled source materials as described below.

49.2.1 Previous Investigations

In 1990, 1991, and 1992, a Kirtland AFB environmental contractor sampled materials present in OWS ST-267. The 1991 sample had 140 mg/kg TPH. The 1992 sample had 725 mg/kg TPH; chromium and lead were above the RCRA toxicity limits for TCLP analysis. Full laboratory results for these samples are presented in Appendix B of the USGS Stage 2B Work Plan (USGS, 1993a).

49.2.2 Data Gaps

The main objective of this investigation was to determine if contamination is present in the subsurface soil adjacent to OWS ST-267. A secondary objective was to determine the unit's outflow and potential overflow runoff destinations.



SOIL SAMPLING LOCATIONS AT OIL/WATER SEPARATOR ST-267, BUILDING 57007

FIGURE 49-1

RCRA FACILITY INVESTIGATION STAGE 2B KIRTLAND AIR FORCE BASE, NEW MEXICO

49.2.3 RFI Field Investigation

On June 24 and June 27, 1994, four boreholes were drilled and sampled using a Geoprobe system (Figure 49-1). Due to the proximity of Sites ST-266 and ST-267, borehole number ST-266-01 was used for background concentration data for both sites. The borehole was placed in a location away from any known or suspected contamination. Results and discussion regarding ST-266-01 are presented in Section 48.0. Borehole ST-266-02 was drilled adjacent to the OWS outflow line. The other three boreholes were located close to the midpoints of the other OWS sides. Two sample intervals were collected in each borehole: one at a depth equal to, and the other 5 ft below the unit's base (i.e., 4 and 9 ft).

Sampling operations and sample handling procedures are described in Section 3.0 of this report. Borehole locations and sample depths collected at OWS ST-267 are listed in Table 49-1. Borehole logs are in Appendix C.

Table 49-1. Boreholes and Samples Collected at ST-267, Building 57007

Site	Borehole	Borehole Location	Sample Depths (ft)
ST-267	01	East side of OWS	4-8
			9-11
	02	Near OWS outflow	4-6
			9-11
	03	West side of OWS	4-6
			9-11
	04	North side of OWS	4-6
			9-11

49.2.4 Laboratory Analysis

Eight soil samples were collected for laboratory analysis at ST-267. These samples were analyzed for VOCs, SVOCs, TPH, metals, mercury (the expected contaminants associated with normal operations at this building), soil pH, and soil moisture. The four brass tubes in each 2-ft sample interval were field screened for possible contamination using gamma and beta-gamma meters, a PID, and an FID. No readings above background concentrations were measured in the samples.

49.3 Site Characteristics

49.3.1 Geology

The building 57007 area is underlain by unconsolidated alluvial sediments and weathered granite. The sediments are predominantly fine-grained sands and very fine-grained to fine-grained silty sands. Weathered granite was encountered at various depths, predominantly between 18 and 22 ft below grade. A maximum depth of 11 ft was attained with the Geoprobe at ST-267. No borehole penetrated into the Santa Fe Group sediments that presumably underlie this area. A discussion of the general geology at Kirtland AFB is presented in Section 2.4.

As a result of OWS ST-267 installation, it is probable that backfill material is present adjacent to the OWS to a depth at least equal to the unit's total depth. Borehole logs for this site are presented in Appendix C.

49.3.2 Hydrogeology

This site is on the western edge of the HR3 saturated zone setting as defined by SNL studies (Figure 2-9). Bedrock in this area is inferred to be Permian and Pennsylvanian aged sedimentary rocks. Near the mountains, bedrock is inferred to be Precambrian granites and metamorphic rocks. Bedrock is covered by alluvial material, and the thickness of this cover presumably increases west away from the mountains. Depth to groundwater is estimated at 90 to 100 ft below grade (Figure 2-10) (SNL, 1994). Groundwater flow is west-northwest (Figure 2-7). The nearest production well is KAFB-10. Located nearly 4 miles to the northwest, it is potentially downgradient of the site (Figures 2-7 and 2-11). Hydraulic conductivity values based on testing range from 6.52 to 114.5 ft/day. A more detailed discussion of the hydrogeology at Kirtland AFB is presented in Section 2.5.

49.4 Nature and Extent of Contamination

The following section describes the nature and extent of contamination based on the analytical results for soil samples collected at ST-267. Analytical results are presented in Table 49-2, where only reportable concentrations of detected analytes are listed. Full analytical results are presented in Appendix G. Laboratory validation reports are presented in Appendix K.

Table 49-2. Summary of Reportable Concentrations for Soil Analyses at OWS ST-267, Bldg. 57007, Kirtland AFB, New Mexico [Ψ,1]
[Concentrations (mg/kg)]

Chemical Class	Analyte	PQL / UTL	HHRB Action Level[2]	Borehole Number and Sample Depth Interval (ft)							
				ST-267-01		*ST-267-02*		*ST-267-03*		*ST-267-04*	
				4–8	9–11	4–6	9–11	4–6	9–11	4–6	9–11
VOC	Methylene Chloride	0.005	93.3	0.0066	0.0091	0.0092	0.0077	0.0054	0.0044 U	0.0050 U	0.0035
SVOC	Phenol	0.3	48000	0.160	ND	ND	ND	ND	ND	ND	ND
TPH	Diesel Fraction	10	100	2.1	1	1.2	1.1	0.75	1.4	0.94	0.48
METALS	Aluminum	13300	N/A	7230	3650	7100	4360	7360	3250	3950	3690
	Barium	496	5600	130	53.5	287	155	79.6	36.2	57.7	45.0
	Beryllium	0.83	0.2	0.64	0.31	0.54	0.41	0.65	0.31 U	0.45 U	0.41
	Cadmium	N/A	40	ND	ND	ND	0.83	ND	ND	ND	ND
	Calcium	119000	N/A	66000	60700	42400	91400	47200	31500	40700	49500
	Chromium, Total	14.9	400	13.7	5.3	8.7	7.9	10.1	15.1	6.1 U	5.0
	Cobalt	11.3	N/A	4.3	3.9	4.8	2.8	4.7	3.0 U	2.7 U	3.0
	Copper	135	N/A	29.2	24.2	84.5	57.7	45.5	48.5 J	14.6 U	75.4
	Iron	20900	N/A	11600	6110	10100	10000	10100	6220	8000	6910
	Lead	22.9	400	11.8	8.6	12.6	9.1	9.8	5.8	9.5	9.5
	Magnesium	8730	N/A	4660	2220	5510	3790	6880	2070	2250	2420
	Manganese	435	400	171	213	173	188	167	158 J	203 J	188
	Molybdenum	N/A	400	ND	ND	ND	ND	ND	4.5	ND UJ	ND
	Nickel	54.4	1600	31.0	5.2	6.8	11.1	7.4	4.3 J	7.4 J	8.3
	Potassium	2730	N/A	1330	640	1260	594	1340	651 J	771 J	775
	Sodium	519	N/A	170	76.1	110	101	122	86.2 J	74.0 J	68.5
	Vanadium	49.2	720	25.7	9.0	27.5	14.5	24.1	10.5 J	15.0 J	9.7
	Zinc	81.6	24000	39.5	28.5	61.4	48.6	42.3	36.5 J	29.8 J	47.4
OTHER	Moisture (%)			5.9	2.4	8.2	3.2	7.2	2.0	11.8	2.8
	pH			8.9	8.6	8.4	8.5	8.2	8.5	8.4	8.4

1 Complete laboratory analytical results including method detection limits are presented in the ITIR appendices.

2 Action Level Proposed Rule RCRA Subpart S Action Levels (55 FR 30814, 7/27/90).

*; TPH action level is 100 mg/kg adopted from NM UST regulations (USGS 2B Work Plan 3.6, NM EI Board, 1990). SW-8015 analyzes volatile and semivolatile petroleum hydrocarbon fractions separately. The total concentration of the two fractions analyzed under 8015 will be used to assess compliance with stipulated action levels for the purpose of this RFI.

PQL; Practical Quantitation Limits (defines VOC, SVOC and TPH).

pCi/g; Picocuries per gram.

VOC; Volatile Organic Compounds.

TPH; Total Petroleum Hydrocarbons.

RAD; Radionuclides.

ND; Not Detected above the method detection limit.

U; Accept data (positive results may be influenced by lab contamination).

RE; Resample.

NA; Not Analyzed

UTL; Upper Tolerance Limits (defines METALS).

HHRB; Human Health Risk Based.

SVOC; Semivolatile Organic Compounds.

FR; Field Replicate.

UJ; Estimated Nondetect.

J; Estimated value.

R; Reject NDs due to interference.

--; No Data.

Organic Compounds

The only VOC detected in these samples was methylene chloride (Table 49-2). Methylene chloride was detected in all samples at concentrations ranging from 0.0035 to 0.0091 mg/kg. These concentrations are all below the HHRB action level. Methylene chloride was found in associated QC samples and is believed to be the result of laboratory contamination as discussed in Section 4.2.2.

Phenol was the only SVOC analyte detected at ST-267. Phenol (0.16 mg/kg) was only detected in the 4- to 8-ft sample from borehole ST-267-01. This detection did not exceed the HHRB action level for phenol of 48,000 mg/kg (Table 49-2).

Petroleum Hydrocarbons

Diesel range hydrocarbons were present in all eight soil samples collected at the site. Concentrations ranged from 0.48 to 2.1 mg/kg. These concentrations did not exceed the NMED action level of 100 mg/kg (Table 49-2).

Metals

Beryllium was detected in every sample at concentrations ranging from 0.31 to 0.65 mg/kg. These concentrations exceeded the 0.2 mg/kg HHRB action level, but were below the UTL of 0.83 mg/kg. No other metals were detected above HHRB action levels at ST-267 (Table 49-2). These concentrations of beryllium may be naturally occurring at Kirtland AFB as discussed in Section 4.2.2.

Soil pH and Moisture

Soil pH ranged from 8.2 to 8.9. Soil moisture values ranged from 2.4 to 11.8 percent (Table 49-2).

49.5 Conclusions and Recommendations

Conclusions

- Methylene chloride was the only VOC analyte detected in soil samples at ST-267. The SVOC phenol (0.16 mg/kg) was only detected in one sample. VOC and SVOC concentrations did not exceed HHRB action levels.

- Diesel range hydrocarbons were detected in all samples. All concentrations were below the NMED action level of 100 mg/kg.

- Beryllium was the only metal detected at concentrations exceeding HHRB action levels. None of the concentrations exceeded the 0.83 UTL. These beryllium concentrations appear to be naturally occurring throughout Kirtland AFB.

Recommendations

- Based on the RFI findings, no further action is necessary; therefore, Site ST-267 does not require further investigation. A No Further Action proposal should be prepared.

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Kirtland Air Force Base
Albuquerque, New Mexico

RCRA Facility Investigation (RFI)
Stage 2B

Appendices A-F

FINAL DRAFT - December 8, 1994

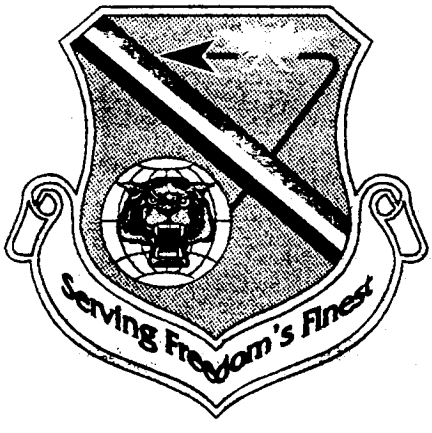
377 ABW/EMR
2000 Wyoming Blvd SE
Kirtland AFB, New Mexico 87117-5659

Kirtland Air Force Base
Albuquerque, New Mexico

RCRA Facility Investigation (RFI)
Stage 2B

Appendices A-F

FINAL DRAFT - December 8, 1994



377 ABW/EMR
2000 Wyoming Blvd SE
Kirtland AFB, New Mexico 87117-5659

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Appendix A
USAF Statement of Work

25 February 1994

STATEMENT OF WORK

INSTALLATION RESTORATION PROGRAM

RCRA FACILITY INVESTIGATION

STAGE 2B, APPENDIX II
AND
STAGE 2C, APPENDIX III

KIRTLAND AFB, NM

I. DESCRIPTION OF WORK

1.1 Introduction

1.1.1 Background. The Air Force is committed to effective environmental compliance and stewardship activities to maintain access to the air, land, and water needed to maintain and improve our mission capability. This is accomplished through compliance with environmental regulations at Federal, State, and/or local levels. The purpose of a Resource Conservation Recovery Act (RCRA) Facility Investigation (RFI) is to determine the nature and extent of releases of hazardous waste or hazardous substances from regulated units and/or solid waste management units, and to gather all necessary data to support No Further Action or a Corrective Measures Study. The RFI consists of three tasks: Task I, RFI Workplan; Task II, RCRA Facility Investigation; Task III, RFI Final Report and Summary. Following the RFI, a determination of No Further Action may be made or a ... Corrective Measures Study (CMS) may be indicated.

In April 1988, The Environmental Protection Agency , Region VI, performed a Facility Assessment under the Resource Conservation and Recovery Act (RCRA) as part of the process for approving the RCRA Hazardous Waste Management Part B Permit application for Kirtland AFB. Appendices I, II, and III of the RCRA Corrective Action Compliance Schedule identified numerous Solid Waste Management Units (SWMUs) which required further investigation and characterization. The RCRA "corrective action" will be implemented under the Defense Environmental Restoration Program (DERP), which has been further refined by the Air Force as the Air Force Installation Restoration Program (IRP). The IRP is the basis for response actions on Air Force installations under the provisions of DERP for cleanup of past disposal and landfill sites.

The contractor shall accomplish the actions described in this Statement of Work at Stage 2B, Appendix II and Stage 2C, Appendix III sites listed in Annex A, Table A-4, of the RCRA Facility Investigation Process at Kirtland AFB, NM

1.1.2 Requirements for Project Activities. The Handbook To Support The Installation Restoration Program (IRP) Statements Of Work referenced in this Statement of Work provides guidance for laboratory and field activities and for project documents that can be used by the contractor unless otherwise specified in this Statement of Work. The most recent edition of the Handbook is provided for guidance as Government Furnished Information (GFI). This document is referenced in this Statement of Work as the Handbook. ~~The contractor is responsible for the thorough~~ knowledge and understanding of the previous findings and recommendations that affect this task prior to the start of field activities. The contractor shall comply with the specifications, procedures, and methodologies presented in the Kirtland AFB EPA Permit for authorization to operate under the Resource Conservation and Recovery Act (EPA ID NO. NM9570024423, issued 14 Nov 90,

provided as GFI). This document is hereafter referred to as the "Permit". The contractor shall perform tasks of the permit as described in this SOW. In addition the contractor shall comply with the SW 846 Methods and the QA/QC protocols specified in the guidance document, "Test Methods for Evaluating Solid Waste", Third Edition, EPA SW 846, Nov 86 and RFI Guidance (EPA-530/SW-89-031) except where specified in this SOW. In addition the contractor shall spike all analytes of interest. The contractor shall use a laboratory that has been audited and approved by AFCEE for all analyses listed in this SOW. Per the Handbook, California Brass Rings shall be used to collect all VOC samples. In addition, the project specific RFI Work Plans shall include a Data Collection Quality Assurance Plan, a Health and Safety Plan, a Data Management Plan, A Community Relations Plan and a Project Management Plan as specified by this SOW and approved by AFCEE/ESR Contracting Officers Representative (COR). The COR and the Base Point of Contact (POC) shall be notified in writing prior to any modification of, or deviation from, any activity described in these documents. The RFIs shall encompass SWMUs listed in Appendix II and Appendix III of the Kirtland AFB permit, shown here as Appendix A, Table A-4 of this SOW.

1.1.2.1 Data Collection, Sampling, and Analysis Procedures. The contractor shall conduct field activities, sampling, laboratory analysis and data quality assessment. The guidance in section 2 of the Handbook is recommended. The contractor shall conduct all activities in accordance with the Kirtland AFB Work Plans and the SAPs approved by AFCEE/ESR. Stage 2B, Appendix II work will be conducted in accordance with the Stage 2B work Plan completed by the U.S. Geological Survey (USGS), Water Resources Division, dated January 1993. Stage 2C, Appendix III work will be conducted in accordance with the Work Plans for Stage 2C developed under this SOW. The COR shall be notified in writing of any planned deviation from the activities specified in these documents. AFCEE/ESR approval of deviations is required prior to performance.

The field investigation (including all drilling and sampling operations) shall be supervised by a registered geologist, hydrogeologist or professional geotechnical engineer registered in the state of New Mexico. A detailed log of field conditions, materials penetrated during drilling, well completion and sampling conditions shall be maintained and made available for Government inspection upon request. Guidance in section 2 of the Handbook is recommended. Decisions on well and boring locations, well depths, screened intervals and all details of the field investigation shall be made collectively by the COR, Kirtland AFB POC and the contractor's field or project supervisor.

1.1.2.2 Regulatory Requirements and Permits. All soil borings, sampling, laboratory analysis, and other activities pursuant to this effort shall be conducted in strict accordance with all applicable laws, ordinances, rules, and regulations of federal, state, and all authorities with jurisdiction over such activities. The contractor shall complete permits, applications, other documents, and proficiency tests required by the regulatory agencies. The contractor shall file documents with appropriate agencies and pay all applicable permit and filing fees. The contractor shall identify locations requiring digging permits to the Kirtland AFB POC fourteen (14) days before permits are required. The contractor shall include all correspondence in appendices to the technical reports. Guidance in Section 4 of the Handbook is recommended.

All laboratory analyses shall conform to all applicable federal, state, and local regulatory agency requirements. If the requirements specify that certification is necessary to conduct one or more specific analyses, the contractor shall furnish documentation showing laboratory certification to AFCEE/ESR prior to collecting samples to be submitted to the laboratory.

1.1.2.3 Waste Disposal. All waste disposal pursuant to activities of this SOW shall be the responsibility of the contractor according to all applicable local, state and federal regulations. The contractor shall provide all containers necessary (55 gallon drums, roll-offs, dumpsters, etc.) to containerize (in accordance with applicable regulatory requirements, guidance in the Handbook and the approved plans) those drill cuttings, excavation materials and other products which are suspected

to be hazardous. The contractor shall properly containerize and transport drill cuttings and recovered fluids to the accumulation point designated by the POC pending proper disposal. The contractor shall properly characterize for disposal all material/wastes, etc.

1.1.2.3.a Disposal of RCRA hazardous wastes/materials.. The contractor shall characterize wastes/materials for disposal. Following characterization, the contractor shall prepare all manifest documents for he Kirtland AFB Environmental Management Office for the ultimate disposal of excavation materials, drill cuttings and recovered fluids determined to be RCRA hazardous. The contractor shall provide the manifest documents to the COR and the POC. The installation will be responsible for the transportation and ultimate disposal of RCRA hazardous materials.

1.1.2.3.b Disposal of RCRA non-hazardous wastes/materials. The contractor shall characterize wastes/materials for disposal. Following characterization, the contractor shall be responsible for the transportation and ultimate disposal of excavation materials, drill cuttings and recovered fluids determined to be RCRA non-hazardous. The contractor shall dispose of RCRA non-hazardous materials either off-base at a proper landfill or, at the discretion of the POC, on-base in a manner specified by the POC. The contractor shall properly dispose of these materials according to applicable state and federal regulations.

1.1.2.4 Quality Assurance/Quality Control (QA/QC). The contractor shall conduct and document a QA/QC program for all work pursuant to this delivery order in accordance with section H, paragraph 27 of the basic contract. Contractor and project-specific documents concerning QA/QC procedures and requirements shall be strictly followed. The contractor shall review all data generated under the QA/QC program in accordance with project specific documents. Guidance in Section 2.3 of the Handbook is recommended. All chemistry reviews shall be performed by a chemist experienced in all aspects of the QA/QC program. Data shall be assured by the contractor to ensure the analytical results and field work accomplished for each site is accurate, definable and legally defensible data that may be used to develop conceptual site models, perform risk analysis and evaluate potential alternative actions.

1.1.2.5 Special Notifications.

1.1.2.5.a Health Risks. The contractor shall immediately report to the COR and the Kirtland AFB POC, via telephone, any data or results generated during this investigation which may indicate an imminent health risk. Following this telephone notification, a written notice with supporting documentation (e.g. lab results, field data) shall be prepared and delivered to the COR within three (3) days. Upon request of the Air Force, the contractor shall submit the appropriate raw laboratory data (e.g. chromatograms) within three (3) weeks of the telephone notification (Sequence No. 16).

1.1.2.5.b Change of Contractor Personnel. The contractor shall notify the COR and Kirtland AFB POC of all professional personnel to work on specific tasks under this SOW within three (3) weeks. The contractor shall notify the COR and Kirtland AFB POC of any significant changes in project personnel along with the steps that the contractor is taking to ensure there are no impacts to the schedule or individual tasks. Upon the request to the COR, a revised organizational chart displaying key personnel involved in this effort and their respective labor categories shall be submitted with the next monthly Research and Development Status Report, assume a maximum of three revisions. These personnel changes shall be recorded in the weekly Field Progress Reports.

1.1.2.5.c Subcontractor Use. The contractor shall identify all subcontractors to be used under this contract to the COR and the Kirtland AFB POC prior to subcontractor work being initiated. The contractor shall provide information about the qualifications of the subcontractors to the COR prior to utilization.

1.1.2.5.d Field Progress Reports. The contractor shall transmit weekly progress reports to the COR and the Kirtland AFB POC. Weekly Field Progress reports shall include the following components:

a. A listing of all field activities including the number of borings completed, total daily footage, probes emplaced, number of wells sampled, number of samples sent for analysis, etc.

b. A listing of contractor field personnel on-site and workday duration.

c. Changes in field personnel for the project.

d. A listing of any problems encountered including equipment downtime, health and safety concerns, access constraints, etc.

A standard format shall be used and will be provided by the government to facilitate concise reporting of the above information. Weekly Field Reports shall be transmitted before the Friday close of business or no later than 1000 hr's the following Monday.

1.1.2.5.e R&D Status Report. The contractor shall prepare a monthly report to describe the technical status and progress of the project. The report is for the purpose of informing the COR and regulators of the specific tasks accomplished during the previous month. Guidance in Section 4.1 of the Handbook is recommended.

1.1.2.5.f Quarterly Reports. The contractor shall prepare a quarterly report to describe the technical status and progress of the project. The purpose is to inform the base and Regulators of the specific tasks accomplished during that quarter. The report shall meet the requirements listed in Task V, Section B, Progress, of the Permit. Guidance in section 4.1 of the HAndbook is recommended. The report shall be submitted to the COR and the Kirtland AFB POC on a schedule that shall meet the requirements of the Permit.

1.1.3 Meetings. The contractor shall attend meetings at Kirtland AFB and at the Region VI offices in Dallas, TX. The purpose of these meetings shall be to coordinate site activities and discuss continuing efforts. All meetings shall be coordinated by the COR and POC. In addition, the contractor shall set up regular teleconference calls between the contractor, COR and POC, The contractor shall prepare meeting minutes for all meetings and teleconferences. The contractor shall prepare presentation materials for the meetings.

1.2 Project Scoping Documents.

1.2.1 Engineering Network Analysis. The contractor shall provide within 10 days of the effective date of this delivery order a computer generated network analysis which is a detailed task plan for the RFI work effort. The Network Analysis shall be in the form of a progress chart of suitable scale to indicate appropriate percentages of work scheduled for completion by any given date during the periods of the delivery order. The Network Analysis will show both serial and parallel sub tasks leading to a deliverable product or report. Show early and late start and completion dates with float. The Network Analysis shall be updated and submitted upon request of the COR.

1.2.2 RCRA Facility Investigation (RFI) Work Plan. The contractor shall prepare an RFI Work Plan for all Stage 2C, Appendix III Solid Waste Management Units (SWMUs) listed at Annex A-4. The RFI Work Plans for the SWMUs shall meet the requirements of the Region VI EPA. The Work Plan shall include a Data Collection Quality Assurance Plan, a Data Management Plan, a Health and Safety Plan, a Community Relations Plan, and a Project Management Plan.

1.2.2.1 Data Collection Quality Assurance Plan. The contractor shall prepare a Data Collection Quality Assurance Plan to document all monitoring procedures: sampling, field measurements and sample analysis performed at the facility during the investigation to characterize the environmental setting, source, data, and resulting decisions are technically sound, statistically valid, and properly documented.

1.2.2.2 Health and Safety Plan. The contractor shall prepare a Health and Safety Plan consistent with the requirements listed in the Permit, Task II, section C.

1.2.2.3 Data Management Plan. The contractor shall prepare a Data Management Plan to document and track investigation data and results. This plan shall identify and set up data documentation materials and procedures, project file requirements, and project-related progress reporting procedures and documents. The plan shall also provide the format to ~~be used to present the~~ raw data and conclusions of the investigation.

1.2.2.4 Community Relations Plan. The contractor shall prepare a facility community relations plan consistent with the requirements listed in the Permit, Task II, section D.

1.2.2.5 Project Management Plan. The contractor shall prepare a Project Management Plan which shall include a discussion of the technical approach, schedules, budget, and key project personnel. The project management plan will also include a description of qualifications of key personnel performing or directing the RFI, including contractor personnel. This plan shall also document the overall management approach to the RFI.

1.2.3 Industrial Waste Line Investigation Work Plan (IWLIWP). The contractor shall prepare an Industrial Waste Line Investigation Work Plan separate from the RFI Work Plan to assess whether any contaminants from the Industrial Waste Lines have entered the environment. The Industrial Waste Lines include all septic systems (including tanks, leach fields and sewer lines), storm sewers and lines, sanitary sewer lines and oil/water separator inflow and outflow lines. The contractor shall submit an annotated outline for COR concurrence prior to report preparation. The plan shall describe survey activities to be included in the RFI. This shall be accomplished through dye testing, smoke testing, a video survey, a neutron probe survey, and/or other means as required. (e.g. pressure testing). The Industrial Waste Line Investigation Work Plan shall include:

a. A summary of all the available data pertaining to the industrial process operations, past and present waste management practices, and past upgrades and improvements.

b. Procedures necessary to assess whether any contaminants have been released to the environment from the Industrial Waste Line.

c. Procedures necessary to assess the extent, size, integrity and accessibility of laterals (generally pipe of less than 8" in diameter).

1.3 Project Activities. The contractor shall perform the following tasks to achieve the purposes stated herein, in compliance with approved scoping documents, the Handbook, and all applicable regulations and requirements.

1.3.1 Planning. The contractor shall prepare scoping documents per section 1.2 of this SOW.

1.3.2 Conceptual Site Model. For each of the sites prepare a preliminary conceptual site model for inclusion in the RFI Work Plan. Use new data supported by acceptable QA/QC results (as

measured against sampling and analysis requirements) and site characterization information to refine the conceptual site model for inclusion in the RFI Report. The contractor shall follow the format outlined in section 2.3 of the Handbook.

1.3.3 RFI Field Investigation. The contractor shall perform a RCRA Facility Investigation to characterize environmental conditions, define the nature and extent of contamination, and estimate the risk to human health and the environment at the SWMUs listed in appendix II and appendix III of the Permit. The contractor shall collect geologic and hydrologic data, collect and analyze environmental samples for potential contaminants, evaluate the analytical results and field measurements with respect to quality control data, and interpret and analyze data developed in the Work Plans by the contractor under this project for sites listed in Annex A-4. Evaluation criteria guidance in the Handbook is recommended. The purpose of data collection, sample collection and laboratory analysis is to determine whether any contaminants generated from installation activities have entered the environment. The field investigation is used to determine the source of any identified contaminants, the magnitude of contamination relative to RCRA guidance and standards and any naturally occurring or background concentrations for specific compounds. The field investigation shall comply with the specifications, procedures, and methodologies presented in the approved RFI Work Plan for Stage 2B, Appendix II sites, the approved RFI Work Plan for Stage 2C, Apendix III sites and any addenda approved by the USEPA and accepted by the COR. The CO, COR and the Kirtland AFB POC must be notified in writing and approval in writing obtained prior to any modification of, or deviation from, any activity described in these documents.

1.3.3.1 General Requirements for Field Work. Except where deviations are specified in this SOW or specifically coordinated with the COR, the contractor shall execute the work identified in the Work Plan for Stage 2B, Appendix II and the Work Plan for Stage 2C, Appendix III prepared in accordance with this SOW, approved RFI Work Plans and the specified guidance documents. Annex A specifies the field activities, analytical methods, the parameters for analyses, and approximate number of funded analyses for soil and sludge samples. Additional information on general requirements for field work is provided below.

1.3.3.1.a Soil Borings Using Hand Auger or Portable Powered Auger. Borings with target depths of twenty-five (25) feet or less shall be drilled using a hand auger or portable powered auger. Due to the anticipated presence of coarse material in the subsurface, auger refusal is likely to be a problem and the total target depth may not be attainable. Therefore, a maximum of three attempts within twenty (20) feet of the initial boring location shall be made at each planned borehole location. if the target depth is not attainable after these attempts, then the material retrieved from the deepest of the holes shall be used for lithologic description and sampling purposes, unless field evidence indicates the presence of organic contamination in soil removed from shallower holes. In that case, all apparent contaminated material from all boreholes at that location shall be submitted for analysis. All samples collected for volatile organic compound analysis shall be taken with a California (brass) ring or equivalent sampler. For the purposes of pricing and counting the estimated number of boreholes and depths of boreholes are listed at, only the deepest of the holes shall be counted at each planned borehole location and up to three contingency boring locations shall be provided for in the RFI Work Plans.

1.3.3.1.b Soil Borings Using Truck Mounted Auguring Equipment. Borings with target depths of twenty five (25) to one-hundred (100) feet shall be drilled with truck-mounted auguring equipment and the samples retrieved using a split spoon sampling device. All soil samples collected for volatile organic analysis shall be taken using a California (brass) ring or equivalent sampling device. If the recovery using the split-spoon sampler is poor of nonexistent at a designated sample depth, the auger shall be advanced to the bottom of the designated sample interval, and additional attempts made until acceptable recovery is achieved. If auger refusal occurs prior to the attainment of the target depth, auger flights will be retrieved from the hole and the rig shall be

repositioned within about 20 feet of the previous boring location. A maximum of three attempts shall be made to drill to a minimum of fifty (50) feet at each planned borehole location. If the target depth is not attainable after these attempts, then the material retrieved from the deepest of the holes shall be used for lithologic description and sampling purposes, unless field evidence indicates the presence of organic contamination in soil removed from shallower holes. In that case, all apparent contaminated material from all boreholes at that location shall be submitted for analysis. For the purposes of pricing and counting, the estimated number of boreholes and depths of boreholes are listed at Annex A. Only the deepest of the holes shall be counted at each planned borehole location.

1.3.3.1.c Lithological Samples. The contractor shall describe core or cutting samples at least every five (5) feet of drilling and at each change in lithology. Record soil moisture conditions (moist, wet, saturated, etc.) in the boring log. Following the standard identification practices detailed in the Handbook is recommended. Include observations made by the driller and rig geologist during drilling such as depth to water, penetration rate, drill rig behavior, and other observations that might be indicative of changes in formation characteristics.

1.3.3.1.d Air Monitoring During Drilling. The contractor shall monitor the ambient air during all drilling with an appropriate organic vapor analyzer to identify potentially hazardous and/or toxic vapors. Include air monitoring results in borehole logs.

1.3.3.1.e Water-Level Measurements in Boreholes. If groundwater is encountered, the contractor shall measure water levels in those boreholes after the water level has stabilized. Include this information and the date of measurement in the boring logs. Also record soil moisture conditions (moist, wet, saturated, etc.) in the boring log for all boreholes.

1.3.3.1.f Surveying. Mark the field locations of all borings during the planning/mobilization phase of the field investigation. Consult with base personnel to minimize the disruption of base activities, to properly position wells with respect to site locations, and to avoid penetrating underground utilities. Obtain all digging permits prior to commencement of digging and drilling operations. Determine by registered land surveyor the elevations and locations of all on and off-base monitor wells, piezometers, soil gas sampling locations and borings. All locations shall be surveyed by the contractor for vertical and horizontal control. Record the positions on project and site specific maps. Use survey data to update any digitized map files (printed under separate cover. Bench marks used must have been previously established from, and be traceable to, a U. S. Coast and Geodetic Survey (USCGS) or U. S. Geological Survey (USGS) survey marker. Clearly identify all bench mark locations on the base map.

1.3.3.1.g Borehole Sites. Contractor shall return all sites to the pre-investigation condition of the site.

1.3.3.2 Surface Geophysical Surveys. The contractor shall conduct surface geophysical surveys as needed to determine the location of underground storage tanks, underground utilities, and pipelines. The estimated number of surface geophysical surveys to be conducted is shown in Annex A.

1.3.4 Risk Analysis. For each site use data supported by acceptable QA/QC results as measured against sampling and analysis requirements and the conceptual site model to numerically estimate the risk posed by site contaminants to public health and the environment. Provide a comparison of environmental sample results to both background and RCRA action levels in accordance with the permit and the requirements specified in 40 CFR subpart S, part 264.511 (7). Provide the results of the risk assessment in an ITIR and in the RFI Report. The extent of this task will be dependent upon the results of the sample analysis.

1.3.5 Literature Search. Conduct a literature search to supplement existing information that has been collected for all sites. The purpose of the literature search is to complete the conceptual site model so that a risk analysis can be performed, data gaps can be identified and complete Work Plans can be developed. Summarize the findings in an Informal Technical Information Report.

1.4 Project Deliverables. The contractor shall deliver the following documents in compliance with the requirements of item VI, the Permit and the specifications noted below. Format guidance in sections 1 and 4 of the Handbook is recommended. Draft reports are considered "drafts" only because they have not been reviewed and accepted by the Air Force. In all other respects, drafts shall be complete, in the proper format, fully illustrated, and free of grammatical and typographical errors.

1.4.1 Scoping Documents. Refer to Section 1.2 for a description of the scoping documents.

1.4.1.1 Engineering Network Analysis. Per paragraph 1.2.1. of this SOW, the contractor shall provide the engineering network analysis within ten (10) days of the effective date (ED) of the order. (Item VI, Sequence 3 , Para 6.1.)

1.4.1.2 RFI Work Plan. Per paragraph 1.2.2. of this SOW, the contractor shall provide the RFI Stage 2C, Appendix III, Work Plan within 12 weeks of the effective date of the order. (Item VI, Sequence 4, Para 6.1.)

1.4.1.2.a Data Collection Quality Assurance Plan. Per paragraph 1.2.2.1 of this SOW, the contractor shall provide the Data Collection Quality Assurance Plan as part of RFI Work Plan.

1.4.1.2.b Health and Safety Plan. Per paragraph 1.2.2.2 of this SOW, the contractor shall provide the Health and Safety Plan as part of RFI Work Plan.

1.4.1.2.c Data Management Plan. Per paragraph 1.2.2.3 of this SOW, the contractor shall provide the Data Management Plan as part of RFI Work Plan.

1.4.1.2.d Community Relations Plan. Per paragraph 1.2.2.4 of this SOW, the contractor shall provide a Community Relations Plan as part of RFI work Plan.

1.4.1.2.d Project Management Plan. Per paragraph 1.2.2.5 of this SOW, the contractor shall provide the Project Management Plan as part of RFI Work Plan.

1.4.1.3 Industrial Waste Line Investigation Work Plan. Per paragraph 1.2.3 of this SOW, the contractor shall provide the Industrial Waste Line Investigation Work Plan within 90 days of the effective date of the order. (Item VI, Sequence 4, Para 6.1.)

1.4.2 Informal Technical Information Reports (ITIRs). Prepare and submit the following ITIRs

1.4.2.a Analytical Data Per paragraph 1.3.3 of this SOW, the contractor shall submit all analytical data, including QC results and cross reference tables, in an ITIR for each appendix. (Sequence 3, para. 6.1) Use of the format guidance in section 4 of the Handbook is recommended.

1.4.2.b Digitized Data Per paragraph 1.3.3.1.f of this SOW, the contractor shall update any existing digitized map files (provided under separate cover) to include all new sites and sampling locations. The contractor shall encode the revision date in the digitized data file. Provide a copy of

the revised digitized data file to AFCEE/MSC. (Sequence 1, para. 6.2)

1.4.2.c Literature Search ITIR. Per paragraph 1.3.5 of this SOW, the contractor shall submit all data gathered that supports the preparation of a conceptual site model, allows for the identification of data gaps and will lead to the performance of a risk analysis. (Sequence 3, para. 6.1)

1.4.2.d Risk Analysis ITIR. Per paragraph 1.3.4 of this SOW, the contractor shall provide a risk analysis which conforms to the Permit and 40 CFR Subpart S, Part 264.511. (Sequence 3, para. 6.1)

1.4.2.e Conceptual Site Model. Per paragraph 1.3.2 of this SOW, the contractor shall submit a Conceptual Site Model ITIR. (Sequence 3, para 6.1)

1.4.3. Technical Reports. Summarize the findings of the current task, integrate them with the results of all pertinent previous studies, and formulate conclusions and recommendations for future efforts in an RFI Report for Stage 2B, Appendix II sites. The contractor shall provide the RFI Report using the format specified in the Permit and guidance contained in the RFI Work Plan and the RFI Guidance (EPA-530/SW-89-031). (Sequence 4, para. 6.1)

1.4.4 Data Management. The contractor shall meet the data deliverable requirements of the Installation Restoration Program Information Management System (IRPIMS). The contractor shall be responsible for recording field and laboratory data into a computerized format as required by the most current version of the IRPIMS Data Loading Handbook (mailed under separate cover). In order to perform this task, the contractor shall use the latest version of the IRPIMS Quality Control Tool (QC Tool), a PC software utility (mailed under separate cover with software manual), to quality check ASCII data files and to check all data files for compliance with requirements in the IRPIMS Data Loading Handbook. Upon request, the IRPIMS Contractor Data Loading Tool (CDLT) is available. This PC software is designed to assist the contractor in preparing the various ASCII data files.

Individual IRPIMS data files (e. g. analytical results, groundwater level data, etc.), including re submissions, shall be delivered with a transmittal letter by the contractor to the Air Force Center for Environmental Excellence (AFCEE) in sequence according to a controlled time schedule as identified in the current version of the IRPIMS Data Loading Handbook. The contractor shall include a copy of the Quality Control Tool error report, i.e. output from the QC tool, for each IRPIMS file submission. The error report shall be submitted as hard copy with the transmittal letter. (Sequence 3, para 6.2).

All contractor data deliverables shall be sent to:

AFCEE/MSC BLDG 624W
ENVIRONMENTAL DATA MANAGEMENT DIVISION
ATTN: IRPIMS Data Management
8001 Inner Circle DR STE 2
Brooks AFB TX 78235-5328

In addition, the contractor shall provide a copy of the transmittal letter to the Air Force contracting office responsible for the contract, HSC/PKV (8005 9th St, Brooks AFB, TX 78235-5353) for AFCEE contracts. This letter shall identify the files included or otherwise omitted (with an appropriate explanation), the government contract and delivery order number and the Air Force point of contact that is responsible for monitoring the government contract.

The contractor shall be responsible for the accuracy and completeness of all data submitted. All data entered into the IRPIMS data files and submitted by the contractor shall correspond exactly with the

data contained in the original laboratory reports and other documents associated with sampling and laboratory contractual tasks.

Each file delivered by the contractor will be electronically evaluated by AFCEE/MSC for format compliance and data integrity in order to verify acceptance. All files delivered by the contractor are required to be error-free and in compliance with the IRPIMS Data Loading Handbook. Any errors identified by AFCEE/MSC in the submission shall be corrected by the contractor.

1.4.5. Letter Reports. The contractor shall prepare an undetermined number of letter reports as directed by the COR. The purpose of the letter reports is to provide data and the contractors' evaluation of the data to enable the COR and base POC to be involved in the decisions based on that data. The letter shall briefly describe the task performed, the contractor's evaluation of the data collected, and recommendations for subsequent tasks. All data collected as part of this task shall be provided as an attachment to the letter (Sequence 3, para. 6.1)

1.4.6 Special Notifications.

1.4.6.a Health Risks. Per paragraph 1.1.2.5.a, provide written notification of imminent health hazards and supporting documentation (e.g., analytical results, chromatograms, etc.) within three (3) days of telephone notification (Sequence 16, para. 6.1).

1.4.6.b Change in Contractor Personnel. Per paragraph 1.1.2.5.b, provide written notification of change in contractor personnel within three (3) days of telephone notification (Sequence 16, para. 6.1).

1.4.6.c Subcontractor Use. Per paragraph 1.1.2.5.c, provide written notification of subcontractor use within three (3) days of telephone notification (Sequence 16, para. 6.1).

1.4.6.d Proposed Field Activities. Per paragraph 1.1.2.5.d, provide written notification of proposed field activities and supporting documentation within three (3) days of telephone notification (Sequence 16, para. 6.1).

1.4.6.e Field Progress Reports. Per paragraph 1.1.2.5.e, provide written field progress reports and supporting documentation within three (3) days of telephone notification (Sequence 16, para. 6.1).

1.4.7 Progress Reports.

1.4.7.a Per paragraph 1.1.2.5.f, provide monthly R&D Status (Sequence 1, Para 6.1) reports in accordance with the permit.

1.4.7.b Per paragraph 1.1.2.5.g, provide quarterly (Sequence 3, Para 6.1) progress reports in accordance with the Permit.

1.4.8 No Further Action Decision Documents. For those sites requiring no further action, the contractor shall provide a decision document in the form of an application to terminate the RFI/CMS process in accordance with the Permit. Where appropriate, the contractor shall utilize existing decision documents and append these with the findings of the current effort. Where appropriate and acceptable to the USEPA, the contractor shall group No Further Action (NFA) sites into a single decision document. Assume for costing purposes that no more than 45 sites will require a NFA decision document. (Sequence 4, para. 6.1)

1.4.9 Man-hour Expenditure Charts and Funds Expenditure Chart

(MEC/FEC). Provide MEC/FEC charts for a graphical representation of the data on the Performance and Cost Report that is to be submitted with the R&D Status Report each month. (Sequence 21, para 6.1)

1.4.10 Performance and Cost Report. Provide a Performance and Cost Report to be submitted monthly with R&D Status Report and the Man-hour Expenditure Charts and Funds Expenditure Chart. (Sequence 21, para 6.1)

1.4.11 Presentation Materials. Provide presentation materials for meetings in accordance with Paragraph 1.12.3. (Sequence 18, para 6.1)

1.4.12 Meeting Minutes. Provide meeting minutes in accordance with paragraph 1.1.3. (Sequence 18, para 6.1)

II. SITE LOCATION AND DATES

Kirtland AFB, NM, date to be established.

III. Base Support

The Base will:

3.1 Locate underground utilities and issue digging or other appropriate permits to the contractor prior to the commencement of digging or drilling operations.

3.2 Assign accumulation points within the installation to which the contractor can deliver any drill cuttings or well installation/development fluids generated from the required work which are suspected to be hazardous. The contractor is responsible for providing all necessary containers (55-gallon drums) and for transporting the containerized material to the accumulation point.

3.3 Provide the contractor with existing engineering plans, drawings, diagrams, aerial photographs digitized map files, etc., to facilitate evaluation of IRP sites under investigation.

3.4 Arrange for the following:

a. Personnel identification badges, vehicle passes, and/or entry permits.

b. A staging area (approximately 1000 square feet) for storing equipment and supplies. Contractor will be responsible for security.

c. A supply (e.g., fire hydrant, stand pipe, etc.) of large quantities of potable water for borehole flushing, equipment cleaning, etc.

d. A paved area where drilling equipment can be cleaned and decontaminated.

e. An area for a temporary office trailer.

f. A set of keys to the locks on any existing test/monitoring wells.

g. Temporary construction barriers and parking/traffic control at the well sites in areas of vehicle traffic.

h. As required, provide escorts for contractor personnel working in secured areas.

IV. Government Furnished Property:

4.1 The Installation Restoration Program Information Management System (IRPIMS) Data Loading Handbook referenced in this Statement of Work provides requirements for electronic data loading of technical information requirements identified in the laboratory and field activities that shall be used by the contractor unless otherwise specified in this Statement of Work. The latest version of the Data Loading Handbook shall be used. For pricing purposes the latest version of the Data Loading Handbook is Version 2.2 dated January 1991.

4.2 Upon request to AFCEE through the project COR, the IRPIMS Contractor Data Loading Tool (CDLT), the IRPIMS Quality Control Tool (QC Tool), and the respective software manuals latest versions will be provided. For pricing purposes the latest version of the CDLT and QC Tool software and users manuals are Version 1.2.

4.3 The Work Plan And Sampling and Analysis Plan for Stage 2B, Appendix II perpared by USGS, Water Resources Division dated January 1993 referenced in the SOW provides requierments for the RFI.

V. Reserved

VI. DELIVERABLES

6.1 Attachment 1 of the Basic Contract

Sequence numbers 1 and 5 listed in attachment 1 to the basic contract apply to all orders. Guidance for preparing R&D Status Reports (Sequence no. 1) is contained in the Handbook, Section 3. In addition, the sequence numbers and dates listed below are applicable to this order.

Sequence	Para No.	Block 10	Block 11	Block 12	Block 13	Block 14
13(Field Progress Reports)	I.1.1.2.5.e	ASREQ	c	c	-	2
3(Quarterly Reports)	I.1.1.2.i	ASREQ	d	d	-	2
3(Engineering Network Analysis)	I.1.4.1.1	ASREQ	e	e	e	3
4(RFI Stage 2C Work Plan)	I.1.4.1.2	ONE/R	90ED	i	-	35
4(IWL1 Work Plan)	I.1.4.1.3	ONE/R	90ED	i	-	35
4(RFI Stage 2B Tech Report)	I.1.4.3	ONE/R	h	h	-	30
3(ITIR-Literature Search)	I.1.4.2.c	ONE/R	30ED	l	-	5
3(Risk Analysis ITIRs)	I.1.4.2.d	ONE/R	o	o	-	7
3(Analytical Data						

ITIRs)	I.1.4.2.a	ONE/R	g	g	-	7
15(MEC/FEC)	I.1.4.9	ASREQ	a	a	-	3
1(R&D Status Reports)	I.1.1.2.b	ASREQ	a	a	-	3
21(P&C Reports)	I.1.4.10	ASREQ	a	a	-	3
16(Special Notification)	I.1.4.6	ASREQ	k	k	-	3
4(NFA Decision Doc)	I.1.4.8	ONE/R	k	k	-	10
18(Presentation Materials)	I.1.4.11	ASREQ	p	p	-	5
18(Meeting Reports)	I.1.4.12	ASREQ	j	j	-	5
3(Letter Reports)	I.1.4.5	OTIME	j	j	-	10

6.2 Attachment 2 of the Basic Contract

Sequence No.	Para No.	Block 10	Block 11	Block 12	Block 13	Block 14
3(DATA MGT-Stage 2B, Appx II) BCHON BCHLDI BCHSSI BCHLTD BCHSAMP BCHTEST BCHRES	I.1.4.4	OTIME	b	b	-	1

6.3 Notes

a. Submit monthly.

b. Submit every sixty (60) calendar days after the initial submittal. The IRPIMS data files shall be submitted on the first working day of the month. only IRPIMS data files that are finalized to completion shall be submitted to the (COR) or the Project Manager (PM). Partial or incomplete IRPIMS data files will not be accepted by the government. The completed files shall be submitted in sequence according to the IRPIMS Data Loading Handbook.

c Submit one week after field work begins and at one week intervals, thereafter.

d. Submit quarterly in accordance with the Permit requirements. Provide the base Point of Contact (POC) and the COR with one copy.

e. Submit two weeks after receipt of the Notice to Proceed (NTP) and update when required by the COR.

f. Submit with the first draft of the RFI Report.

g. Provide the analytical data ITIR upon completion of the total analytical effort and not later than three weeks after all analyses have been completed. Provide the data management disk with the ITIR.

h. Deliver sixty (60) days after the completion of the RFI. One first draft report (5 copies), one second draft report (10 copies), and one final report (15 copies) are required. Incorporate Air Force comments to produce the second draft and final reports as specified by AFCEE/ESR. Supply AFCEE/ESR with an advance copy of the first draft, second draft, and final reports for acceptance prior to distribution. Distribute the remaining 4 copies of the first draft, 9 copies of the second draft and 14 copies (one of these copies shall be microfiche) as specified by AFCEE/ESR.

i. One first draft (10 copies), one second draft (10 copies), and one final (15 copies) are required. Incorporate Air Force comments as directed by AFCEE/ESR to produce the second draft and final plans. Supply AFCEE/ESR with an advance copy of the first draft, second draft, and final plans for acceptance. Distribute the remaining copies of the plans.

j. Provide within one week of task/meeting completion.

k. Provide written notice with supporting documentation, e.g., lab results, field data, etc. within three days of telephone notification and at the direction of the Air Force COR or PM. Assume a maximum of one hundred (100) pages.

l. Provide the Literature search ITIR upon completion of the literature search and not later than 30 days after receipt of the NTP.

m. A draft (5 copies and a final (5 copies) of each decision document is required. Supply AFCEE/ESR with one (1) advance copy of each draft and final decision document for acceptance prior to distribution. Incorporate Air Force comments into the final decision document as specified by AFCEE/ESR. Distribute the remaining four (4) copies of the draft and four (4) copies of the final decision documents. (One of these copies shall be microfiche as specified by AFCEE/ESR.)

n. Submit with documents as required.

o. Submit ITIRS within 30 days after completion of work for that particular ITIR.

p. Prepare prior to each meeting as required.

TABLE A-1
Estimated and Funded Field Work
Stage 2B, Appendix II and STAGE 2C, APPENDIX III

	STAGE 2B, APPENDIX II				STAGE 2C, APPENDIX III				
	ESTIMATED	FUNDED	*FUNDED*	*FUNDED*	*ESTIMATED*	FUNDED	FUNDED	*FUNDED*	*FUNDED*
Soil/Sediment Analyses	*TOTAL*	MOD 1	*MOD 3*	*TOTAL*	*TOTAL*	MOD-0	MOD-1	*MOD-3*	*TOTAL*
VOC SW5030/SW8240	*661*	321	*340*	*661*	*658*	98	0	*75*	*173*
SVOC SW3550/SW8270	*661*	321	*340*	*661*	*809*	120	0	*38*	*158*
METALS SW3550/SW6010	*661*	321	*340*	*661*	*770*	245	0	*43*	*288*
Sb SW3550/SW7041	*0*	0	*0*	*0*	*542*	77	0	*77*	*154*
As SW3050/SW7060	*0*	0	*0*	*0*	*526*	77	0	*77*	*154*
Cr SW3050/SW7191	*0*	0	*0*	*0*	*526*	77	0	*77*	*154*
Pb SW3050/SW7421	*0*	0	*0*	*0*	*870*	175	0	*77*	*252*
Hg SW7471	*661*	321	*340*	*661*	*772*	115	0	*77*	*192*
Se SW3050/SW7440	*0*	0	*0*	*0*	*526*	77	0	*77*	*154*
Tl SW3050/SW7841	*0*	0	*0*	*0*	*84*	77	0	*7*	*84*
TPH E418.1	*661*	321	*340*	*661*	*56*	61	0	*0*	*61*
TPH SW8015(MOD)	*0*	0	*0*	*0*	*656*	92	0	*0*	*92*
SOIL MOIST ASTM 2216	*661*	321	*340*	*661*	*826*	86	0	*62*	*148*
SOIL pH SW9045	*0*	0	*0*	*0*	*56*	0	0	*35*	*35*
RADIOLOGY SW9310	*0*	0	*0*	*0*	*56*	11	0	*0*	*11*
RADIOLOGY SW9315	*0*	0	*0*	*0*	*56*	11	0	*0*	*11*
RADIOLOGY SW9320	*0*	0	*0*	*0*	*56*	11	0	*0*	*11*
SW3550/SW8080	*0*	0	*0*	*0*	*41*	11	0	*0*	*11*
SW3550/SW8140	*0*	0	*0*	*0*	*0*	10	0	*0*	*10*
SW3550/SW8150	*0*	0	*0*	*0*	*2*	0	0	*2*	*2*
SULFATE E375.4	*0*	0	*0*	*0*	*20*	0	0	*0*	*0*
NITRATE E353.2	*0*	0	*0*	*0*	*10*	10	0	*0*	*10*
AVO SW5030/SW8020	*0*	0	*0*	*0*	*41*	12	0	*2*	*14*
PAH SW3550/SW8310	*0*	0	*0*	*0*	*176*	18	0	*8*	*26*
Cn SW9010A	*0*	0	*0*	*0*	*0*	0	0	*0*	*0*
TCLP METALS SW1311	*19*	18	*1*	*19*	*0*	0	0	*0*	*0*
IGNITABILITY SW1010	*19*	18	*1*	*19*	*0*	0	0	*0*	*0*

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PROVIDED AS INFORMATION TO CONTRACTOR

Annex A, Table A-1 Notes:

a Unless an abbreviated list of analytes is specified under "Parameter" above, the analytical protocol shall include all analytes listed in the referenced analytical method. The methods cited are from the following sources:

"A" Methods Standard Methods for the Examination of Water and Wastewater, 16th Edition (1985)

"E" Methods Methods for Chemical Analysis of Water and Wastes, EPA Manual, 600/4-79-020 (USEPA, 1983--with additions)

"SW" methods Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition (USEPA, 1986)

"ASTM" Methods American Society for Testing and Materials, 1919 Race Street,
Philadelphia, PA 19103

b If the number of samples requiring second column confirmation exceeds this allowance, contact the Technical Project Manager. The total number of samples listed in Annex A includes the allowance applicable to each GC method. If GC/MS, or a combination of second column GC and GC/MS, is used, the total cost of all such analyses for a particular parameter shall not exceed the funding allowed for positive confirmation using only second column GC.

c The sample shall be filtered in the field through a 0.45 mm filter immediately (within 5 min) after sample collection and before sample preservation.

d For furnace analyses, modify the SW3005 digestion procedure by substituting 5 mL concentrated nitric acid for the 5 mL concentrated hydrochloric acid specified by the method (a total of 7 mL nitric acid will be added).

PROVIDED AS INFORMATION TO CONTRACTOR

ANNEX A, TABLE A-2
APPROXIMATE NUMBER OF SOIL SAMPLES BY SITE
STAGE 2B, APPENDIX II

SITE NUMBER	ST-201	ST-202	ST-203	ST-204	ST-205	ST-206	ST-207	ST-208	ST-209	ST-210	TOTAL
Soil/Sediment Analyses											
VOC SW5030/SW8240	10	6	8	8	4	10	8	4	8	10	76
SVOC SW3550/SW8270	10	6	8	8	4	10	8	4	8	10	76
METALS SW3550/SW6010	10	6	8	8	4	10	8	4	8	10	76
Sb SW3550/SW7041											0
As SW3050/SW7060											0
Cr SW3050/SW7191											0
Pb SW3050/SW7421											0
Hg SW7471	10	6	8	8	4	10	8	4	8	10	76
Se SW3050/SW7440											0
Tl SW3050/SW7841											0
TPH E418.1											0
TPH SW8015(MOD)	10	6	8	8	4	10	8	4	8	10	76
SOIL MOIST ASTM 2216	10	6	8	8	4	10	8	4	8	10	76
RADIOLOGY SW9310											0
RADIOLOGY SW9315											0
RADIOLOGY SW 9320											0
SW3550/SW8080											0
SW3550/SW8140											0
SW3550/SW8150											0
SULFATE E375.4											0
NITRATE E353.2											0
AVO SW5030/SW8020											0
PAH SW3550/SW8310											0
Cn SW9010A											0
SOIL Ph SW9045	10	6	8	8	4	10	8	4	8	10	76
TCLP METALS SW1311											0
IGNITABILITY SW1010											0
TYPE	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	

ANNEX A, TABLE A-2
APPROXIMATE NUMBER OF SOIL SAMPLES BY SITE
STAGE 2B, APPENDIX II

SITE NUMBER	ST-211	ST-212	ST-213	ST-214	ST-215	ST-216	ST-217	ST-218	ST-219	ST-220	TOTAL
Soil/Sediment Analyses											
VOC SW5030/SW8240	10	6	6	10	8	8	8	8	10	8	82
SVOC SW3550/SW8270	10	6	6	10	8	8	8	8	10	8	82
METALS SW3550/SW6010	10	6	6	10	8	8	8	8	10	8	82
Sb SW3550/SW7041											0
As SW3050/SW7060											0
Cr SW3050/SW7191											0
Pb SW3050/SW7421											0
Hg SW7471	10	6	6	10	8	8	8	8	10	8	82
Se SW3050/SW7440											0
Ti SW3050/SW7841											0
TPH E418.1											0
TPH SW8015(MOD)	10	6	6	10	8	8	8	8	10	8	82
SOIL MOIST ASTM 2216	10	6	6	10	8	8	8	8	10	8	82
RADIOLOGY SW9310											0
RADIOLOGY SW9315											0
RADIOLOGY SW9320											0
SW3550/SW8080											0
SW3550/SW8140											0
SW3550/SW8150											0
SULFATE E375.4											0
NITRATE E353.2											0
AVO SW5030/SW8020											0
PAH SW3550/SW8310											0
Cn SW9010A											0
SOIL Ph SW9045	10	6	6	10	8	8	8	8	10	8	82
TCLP METALS SW1311					8				8		16
IGNITABILITY SW1010					8				8		16
TYPE	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	

ANNEX A, TABLE A-2
APPROXIMATE NUMBER OF SOIL SAMPLES BY SITE
STAGE 2B, APPENDIX II

SITE NUMBER	ST-221	ST-222	ST-223	ST-224	ST-225	ST-226	ST-227	ST-228	ST-229	ST-230	TOTAL
Soil/Sediment Analyses											
VOC SW5030/SW8240	18	4	4	4	6	10	8	4	8	4	70
SVOC SW3550/SW8270	18	4	4	4	6	10	8	4	8	4	70
METALS SW3550/SW6010	18	4	4	4	6	10	8	4	8	4	70
Sb SW3550/SW7041											0
As SW3050/SW7060											0
Cr SW3050/SW7191											0
Pb SW3050/SW7421											0
Hg SW7471	18	4	4	4	6	10	8	4	8	4	70
Se SW3050/SW7440											0
Ti SW3050/SW7841											0
TPH E418.1											0
TPH SW8015(MOD)	18	4	4	4	6	10	8	4	8	4	70
SOIL MOIST ASTM 2216	18	4	4	4	6	10	8	4	8	4	70
RADIOLOGY SW9310											0
RADIOLOGY SW9315											0
RADIOLOGY SW9320											0
SW3550/SW8080											0
SW3550/SW8140											0
SW3550/SW8150											0
SULFATE E375.4											0
NITRATE E353.2											0
AVO SW5030/SW8020											0
PAH SW3550/SW8310											0
Cn SW9010A											0
SOIL Ph SW 9045	18	4	4	4	6	10	8	4	8	4	70
TCLP METALS SW1311											0
IGNITABILITY SW1010											0
TYPE	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	

ANNEX A, TABLE A-2
APPROXIMATE NUMBER OF SOIL SAMPLES BY SITE
STAGE 2B, APPENDIX II

SITE NUMBER	ST-231	ST-232	ST-233	ST-234	ST-235	ST-236	ST-237	ST-238	ST-239	ST-240	TOTAL
Soil/Sediment Analyses											
VOC SW5030/SW8240	8	10	1	10	6	4	4	10	4	8	65
SVOC SW3550/SW8270	8	10	1	10	6	4	4	10	4	8	65
METALS SW3550/SW6010	8	10	1	10	6	4	4	10	4	8	65
Sb SW3550/SW7041											0
As SW3050/SW7060											0
Cr SW3050/SW7191											0
Pb SW3050/SW7421											0
Hg SW7471	8	10	1	10	6	4	4	10	4	8	65
Se SW3050/SW7440											0
Ti SW3050/SW7841											0
TPH E418.1											0
TPH SW8015(MOD)	8	10	1	10	6	4	4	10	4	8	65
SOIL MOIST ASTM 2216	8	10	1	10	6	4	4	10	4	8	65
RADIOLOGY SW9310											0
RADIOLOGY SW9315											0
RADIOLOGY SW9320											0
SW3550/SW8080											0
SW3550/SW8140											0
SW3550/SW8150											0
SULFATE E375.4											0
NITRATE E353.2											0
AVO SW5030/SW8020											0
PAH SW3550/SW8310											0
Cn SW9010A											0
SOIL Ph SW9045	8	10	1	10	6	4	4	10	4	8	65
TCLP METALS SW1311											0
IGNITABILITY SW1010											0
TYPE	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	

ANNEX A, TABLE A-2
APPROXIMATE NUMBER OF SOIL SAMPLES BY SITE
STAGE 2B, APPENDIX II

Soil/Sediment Analyses	ST-241	ST-242	ST-243	ST-244	ST-245	ST-246	ST-247	ST-248	ST-249	ST-250	TOTAL
SITE NUMBER											
VOC SW5030/SW8240	6	8	10	8	6	18	8	10	8	8	90
SVOC SW3550/SW8270	6	8	10	8	6	18	8	10	8	8	90
METALS SW3550/SW6010	6	8	10	8	6	18	8	10	8	8	90
Sb SW3550/SW7041											0
As SW3050/SW7060											0
Cr SW3050/SW7191											0
Pb SW3050/SW7421											0
Hg SW7471	6	8	10	8	6	18	8	10	8	8	90
Se SW3050/SW7440											0
Tl SW3050/SW7841											0
TPH E418.1											0
TPH SW8015(MOD)	6	8	10	8	6	18	8	10	8	8	90
SOIL MOIST ASTM 2216	6	8	10	8	6	18	8	10	8	8	90
RADIOLOGY SW9310											0
RADIOLOGY SW9315											0
RADIOLOGY SW9320											0
SW3550/SW8080											0
SW3550/SW8140											0
SW3550/SW8150											0
SULFATE E375.4											0
NITRATE E353.2											0
AVO SW5030/SW8020											0
PAH SW3550/SW8310											0
Cn SW9010A											0
SOIL Ph SW9045	6	8	10	8	6	18	8	10	8	8	90
TCLP METALS SW1311											0
IGNITABILITY SW1010											0
TYPE	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	

ANNEX A, TABLE A-2
APPROXIMATE NUMBER OF SOIL SAMPLES BY SITE
STAGE 2B, APPENDIX II

SITE NUMBER	ST-251	ST-252	ST-253	ST-254	ST-255	ST-256	ST-257	ST-258	ST-259	ST-260	TOTAL
Soil/Sediment Analyses											
VOC SW5030/SW8240	8	10	8	10	8	8	8	8	8	10	86
SVOC SW3550/SW8270	8	10	8	10	8	8	8	8	8	10	86
METALS SW3550/SW6010	8	10	8	10	8	8	8	8	8	10	86
Sb SW3550/SW7041											0
As SW3050/SW7060											0
Cr SW3050/SW7191											0
Pb SW3050/SW7421											0
Hg SW7471	8	10	8	10	8	8	8	8	8	10	86
Se SW3050/SW7440											0
Tl SW3050/SW7841											0
TPH E418.1											0
TPH SW8015(MOD)	8	10	8	10	8	8	8	8	8	10	86
SOIL MOIST ASTM 2216	8	10	8	10	8	8	8	8	8	10	86
RADIOLOGY SW9310											0
RADIOLOGY SW9315											0
RADIOLOGY SW9320											0
SW3550/SW8080											0
SW3550/SW8140											0
SW3550/SW8150											0
SULFATE E375.4											0
NITRATE E353.2											0
AVO SW5030/SW8020											0
PAH SW3550/SW8310											0
Cn SW9010A											0
SOIL Ph SW9045	8	10	8	10	8	8	8	8	8	10	86
TCLP METALS SW1311											0
IGNITABILITY SW1010											0
TYPE	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	

ANNEX A, TABLE A-2

APPROXIMATE NUMBER OF SOIL SAMPLES BY SITE

STAGE 2B, APPENDIX II

SITE NUMBER	ST-261	ST-262	ST-263	ST-264	ST-265	ST-266	ST-267	ST-326	TOTAL	QA/QC	GRAND
Soil/Sediment Analyses									ALL	20%	TOTAL
VOC SW5030/SW8240	8	10	*18*	10	10	10	*8*	*8*	*551*	*110*	*661*
SVOC SW3550/SW8270	8	10	*18*	10	10	10	*8*	*8*	*551*	*110*	*661*
METALS SW3550/SW6010	8	10	*18*	10	10	10	*8*	*8*	*551*	*110*	*661*
Sb SW3550/SW7041									0	0	0
As SW3050/SW7060									0	0	0
Cr SW3050/SW7191									0	0	0
Pb SW3050/SW7421									0	0	0
Hg SW7471	8	10	*18*	10	10	10	*8*	*8*	*551*	*110*	*661*
Se SW3050/SW7440									0	0	0
Tl SW3050/SW7841									0	0	0
TPH E418.1									0	0	0
TPH SW8015(MOD)	8	10	*18*	10	10	10	*8*	*8*	*551*	*110*	*661*
SOIL MOIST ASTM 2216	8	10	*18*	10	10	10	*8*	*8*	*551*	*110*	*661*
RADIOLOGY SW9310									0	0	0
RADIOLOGY SW9315									0	0	0
RADIOLOGY SW9320									0	0	0
SW3550/SW8080									0	0	0
SW3550/SW8140									0	0	0
SW3550/SW8150									0	0	0
SULFATE E375.4									0	0	0
NITRATE E353.2									0	0	0
AVO SW5030/SW8020									0	0	0
PAH SW3550/SW8310									0	0	0
Cn SW9010A									0	0	0
SOIL Ph SW 9045	8	10	*18*	10	10	10	*8*	*8*	*551*	*110*	*661*
TCLP METALS SW1311									*16*	*3*	*19*
IGNITABILITY									16	3	19
TYPE	EC	EC	EC	EC	EC	EC	EC	EC	*3809*	*778*	*4667*

ANNEX A, TABLE A-2

APPROXIMATE NUMBER OF SOIL SAMPLES BY SITE

STAGE 2C, APPENDIX III

SITE NUMBER	WP-38	WP-47	ST-51	FT-52	ST-200	ST-201	ST-202	ST-203	ST-204	ST-205	TOTAL
Soil/Sediment Analyses											
VOC SW5030/SW8240	2	*1*	*8*			*2*	*3*	*4*	*4*	*4*	*28*
SVOC SW3550/SW8270	2	*1*	*8*		*15*	*2*	*3*	*4*	*4*	*4*	*43*
METALS SW3550/SW6010	2	*1*	*8*	*34*	*15*	*2*	*3*	*4*	*4*	*4*	*77*
Sb SW3550/SW7041	2	*1*	*8*	*34*	*15*	*2*	*3*	*4*	*4*	*4*	*77*
As SW3050/SW7060	2	*1*	*8*	*34*	*15*	*2*	*3*	*4*	*4*	*4*	*77*
Cr SW3050/SW7191	2	*1*	*8*	*34*	*15*	*2*	*3*	*4*	*4*	*4*	*77*
Pb SW3050/SW7421	2	*1*	*8*	*34*	*15*	*2*	*3*	*4*	*4*	*4*	*77*
Hg SW7471	2	*1*	*8*	*34*	*15*	*2*	*3*	*4*	*4*	*4*	*77*
Se SW3050/SW7440	2	*1*	*8*	*34*	*15*	*2*	*3*	*4*	*4*	*4*	*77*
Tl SW3050/SW7841											0
TPH E418.1											0
TPH SW8015(MOD)	2	*1*	*8*	*34*		*2*	*3*	*4*	*4*	*4*	*82*
SOIL MOIST ASTM D2216	2	*1*			*15*	*2*	*3*	*4*	*4*	*4*	*35*
SOIL pH SW9045											0
RADIOLOGY SW9310											0
RADIOLOGY SW9315											0
RADIOLOGY SW9320											0
SW3550/SW8080	2				*15*						*17*
SW3550/SW8140											0
SW3550/SW8150	2										*2*
SULFATE E375.4											0
NITRATE E353.2			*8*								*8*
AVO SW5030/SW8020				*34*							*34*
PAH SW3550/SW8310				*34*							*34*
Cn SW9010A											0
TYPE	DERA	DERA	DERA	DERA	EC	EC	EC	EC	EC	EC	

ANNEX A, TABLE A-2
APPROXIMATE NUMBER OF SOIL SAMPLES BY SITE
STAGE 2C, APPENDIX III

SITE NUMBER	ST-206	ST-207	ST-208	ST-209	ST-210	ST-211	ST-212	ST-213	ST-215	ST-216	TOTAL
Soil/Sediment Analyses											
VOC SW5030/SW8240	3	2	3	2	6	2	4				22
SVOC SW3550/SW8270	3	2	3	2	6	2	4				22
METALS SW3550/SW6010	3	2	3	2	6	2	4				22
Sb SW3550/SW7041	3	2	3	2	6	2	4				22
As SW3050/SW7060	3	2	3	2	6	2	4				22
Cr SW3050/SW7191	3	2	3	2	6	2	4				22
Pb SW3050/SW7421	3	2	3	2	6	2	4				22
Hg SW7471	3	2	3	2	6	2	4				22
Se SW3050/SW7440	3	2	3	2	6	2	4				22
Tl SW3050/SW7841											0
TPH E418.1											0
TPH SW8015(MOD)	3	2	3	2	6	2	4				22
SOIL MOIST ASTM 2216	3	2	3	2	6	2	4				22
SOIL pH SW9045											0
RADIOLOGY SW9310											0
RADIOLOGY SW9315											0
RADIOLOGY SW9320											0
SW3550/SW8080											0
SW3550/SW8140											0
SW3550/SW8150											0
SULFATE E375.4											0
NITRATE E353.2											0
AVO SW5030/SW8020											0
PAH SW3550/SW8310											0
Cn SW9010A											0
TYPE	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	

ANNEX A, TABLE A-2
APPROXIMATE NUMBER OF SOIL SAMPLES BY SITE
STAGE 2C, APPENDIX III

SITE NUMBER	ST-217	ST-218	ST-219	ST-220	ST-221	ST-222	ST-223	ST-224	ST-225	ST-226	TOTAL
Soil/Sediment Analyses											
VOC SW5030/SW8240	3	3	2	3	7	1	8			3	30
SVOC SW3550/SW8270	3	3	2	3	7	1	8			3	30
METALS SW3550/SW6010	3	3	2	3	7	1	8			3	30
Sb SW3550/SW7041	3	3	2	3	7	1	8			3	30
As SW3050/SW7060	3	3	2	3	7	1	8			3	30
Cr SW3050/SW7191	3	3	2	3	7	1	8			3	30
Pb SW3050/SW7421	3	3	2	3	7	1	8			3	30
Hg SW7471	3	3	2	3	7	1	8			3	30
Se SW3050/SW7440	3	3	2	3	7	1	8			3	30
Tl SW3050/SW7841											0
TPH E418.1											0
TPH SW8015(MOD)	3	3	2	3	7	1	8			3	30
SOIL MOIST ASTM 2216	3	3	2	3	7	1	8			3	30
SOIL pH SW9045											0
RADIOLOGY SW9310											0
RADIOLOGY SW9315											0
RADIOLOGY SW9320											0
SW3550/SW8080											0
SW3550/SW8140											0
SW3550/SW8150											0
SULFATE E375.4											0
NITRATE E353.2											0
AVO SW5030/SW8020											0
PAH SW3550/SW8310											0
Cn SW9010A											0
TYPE	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	

ANNEX A, TABLE A-2
APPROXIMATE NUMBER OF SOIL SAMPLES BY SITE
STAGE 2C, APPENDIX III

SITE NUMBER	ST-227	ST-228	ST-229	ST-230	ST-231	ST-232	ST-233	ST-234	ST-235	ST-236	TOTAL
Soil/Sediment Analyses											
VOC SW5030/SW8240		2	6	2		3		3	3	3	22
SVOC SW3550/SW8270		2	6	2		3		3	3	3	22
METALS SW3550/SW6010		2	6	2		3		3	3	3	22
Sb SW3550/SW7041		2	6	2		3		3	3	3	22
As SW3050/SW7060		2	6	2		3		3	3	3	22
Cr SW3050/SW7191		2	6	2		3		3	3	3	22
Pb SW3050/SW7421		2	6	2		3		3	3	3	22
Hg SW7471		2	6	2		3		3	3	3	22
Se SW3050/SW7440		2	6	2		3		3	3	3	22
Tl SW3050/SW7841											0
TPH E418.1											0
TPH SW8015(MOD)		2	6	2		3		3	3	3	22
SOIL MOIST ASTM 2216		2	6	2		3		3	3	3	22
SOIL pH SW9045											0
RADIOLOGY SW9310											0
RADIOLOGY SW9315											0
RADIOLOGY SW9320											0
SW3550/SW8080											0
SW3550/SW8140											0
SW3550/SW8150											0
SULFATE E375.4											0
NITRATE E353.2											0
AVO SW5030/SW8020											0
PAH SW3550/SW8310											0
Cn SW9010A											0
TYPE	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	

ANNEX A, TABLE A-2
APPROXIMATE NUMBER OF SOIL SAMPLES BY SITE
STAGE 2C, APPENDIX III

Soil/Sediment Analyses SITE NUMBER	ST-237	ST-238	ST-239	ST-240	ST-241	ST-242	ST-243	ST-244	ST-245	ST-246	TOTAL
VOC SW5030/SW8240					4	2	2	2		4	14
SVOC SW3550/SW8270					4	2	2	2		4	14
METALS SW3550/SW6010					4	2	2	2		4	14
Sb SW3550/SW7041					4	2	2	2		4	14
As SW3050/SW7060					4	2	2	2		4	14
Cr SW3050/SW7191					4	2	2	2		4	14
Pb SW3050/SW7421					4	2	2	2		4	14
Hg SW7471					4	2	2	2		4	14
Se SW3050/SW7440					4	2	2	2		4	14
Ti SW3050/SW7841											0
TPH E418.1											0
TPH SW8015(MOD)					4	2	2	2		4	14
SOIL MOIST ASTM 2216					4	2	2	2		4	14
SOIL pH SW9045											0
RADIOLOGY SW9310											0
RADIOLOGY SW9315											0
RADIOLOGY SW9320											0
SW3550/SW8080											0
SW3550/SW8140											0
SW3550/SW8150											0
SULFATE E375.4											0
NITRATE E353.2											0
AVO SW5030/SW8020											0
PAH SW3550/SW8310											0
Cn SW9010A											0
TYPE	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	

ANNEX A, TABLE A-2
APPROXIMATE NUMBER OF SOIL SAMPLES BY SITE
STAGE 2C, APPENDIX III

SITE NUMBER	ST-247	ST-248	ST-250	ST-251	ST-252	ST-253	ST-254	ST-255	ST-256	ST-257	TOTAL
Soil/Sediment Analyses											
VOC SW5030/SW8240	2	3	3	3	1	1	1	1	1	1	17
SVOC SW3550/SW8270	2	3	3	3	1	1	1	1	1	1	17
METALS SW3550/SW6010	2	3	3	3	1	1	1	1	1	1	17
Sb SW3550/SW7041	2	3	3	3	1	1	1	1	1	1	17
As SW3050/SW7060	2	3	3	3	1	1	1	1	1	1	17
Cr SW3050/SW7191	2	3	3	3	1	1	1	1	1	1	17
Pb SW3050/SW7421	2	3	3	3	1	1	1	1	1	1	17
Hg SW7471	2	3	3	3	1	1	1	1	1	1	17
Se SW3050/SW7440	2	3	3	3	1	1	1	1	1	1	17
Tl SW3050/SW7841											0
TPH E418.1											0
TPH SW8015(MOD)	2	3	3	3	1	1	1	1	1	1	17
SOIL MOIST ASTM 2216	2	3	3	3	1	1	1	1	1	1	17
SOIL pH SW9045											0
RADIOLOGY SW9310											0
RADIOLOGY SW9315											0
RADIOLOGY SW9320											0
SW3550/SW8080											0
SW3550/SW8140											0
SW3550/SW8150											0
SULFATE E375.4											0
NITRATE E353.2											0
AVO SW5030/SW8020											0
PAH SW3550/SW8310											0
Cn SW9010A											0
TYPE	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	

ANNEX A, TABLE A-2
APPROXIMATE NUMBER OF SOIL SAMPLES BY SITE
STAGE 2C, APPENDIX III

SITE NUMBER	ST-258	ST-259	ST-260	ST-261	ST-262	ST-263	ST-264	ST-265	ST-266	ST-267	TOTAL
Soil/Sediment Analyses											
VOC SW5030/SW8240	1			2	3	2	2	2	2	3	17
SVOC SW3550/SW8270	1			2	3	2	2	2	2	3	17
METALS SW3550/SW6010	1			2	3	2	2	2	2	3	17
Sb SW3550/SW7041	1			2	3	2	2	2	2	3	17
As SW3050/SW7060	1			2	3	2	2	2	2	3	17
Cr SW3050/SW7191	1			2	3	2	2	2	2	3	17
Pb SW3050/SW7421	1			2	3	2	2	2	2	3	17
Hg SW7471	1			2	3	2	2	2	2	3	17
Se SW3050/SW7440	1			2	3	2	2	2	2	3	17
Tl SW3050/SW7841											0
TPH E418.1											0
TPH SW8015(MOD)	1			2	3	2	2	2	2	3	17
SOIL MOIST ASTM 2216	1			2	3	2	2	2	2	3	17
SOIL pH SW9045											0
RADIOLOGY SW9310											0
RADIOLOGY SW9315											0
RADIOLOGY SW9320											0
SW3550/SW8080											0
SW3550/SW8140											0
SW3550/SW8150											0
SULFATE E375.4											0
NITRATE E353.2											0
AVO SW5030/SW8020											0
PAH SW3550/SW8310											0
Cn SW9010A											0
TYPE	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	

ANNEX A, TABLE A-2
APPROXIMATE NUMBER OF SOIL SAMPLES BY SITE
STAGE 2C, APPENDIX III

SITE NUMBER	ST-274	ST-275	ST-276	ST-277	ST-278	ST-279	ST-280	ST-281	ST-282	ST-283	TOTAL
Soil/Sediment Analyses											
VOC SW5030/SW8240			47		21			5	8	9	81
SVOC SW3550/SW8270			47	17	21			5	8	9	98
METALS SW3550/SW6010	2	2		17	21			5	8	9	55
Sb SW3550/SW7041				17	21			5	8	9	51
As SW3050/SW7060				17	21			5	8	9	51
Cr SW3050/SW7191				17	21			5	8	9	51
Pb SW3050/SW7421	17	11		17	21			5	8	9	79
Hg SW7471	17	11		17	21			5	8	9	79
Se SW3050/SW7440				17	21			5	8	9	51
Tl SW3050/SW7841				17							17
TPH E418.1			47								47
TPH SW8015(MOD)		13	47	17	21			5	8	9	111
SOIL MOIST ASTM 2216			47	17	21			5	8	9	98
SOIL pH SW9045			47								47
RADIOLOGY SW9310			47								47
RADIOLOGY SW9315			47								47
RADIOLOGY SW9320			47								47
SW3550/SW8080				17							17
SW3550/SW8140											0
SW3550/SW8150											0
SULFATE E375.4				17							17
NITRATE E353.2											0
AVO SW5030/SW8020											0
PAH SW3550/SW8310											0
Cn SW9010A											0
TYPE	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	

ANNEX A, TABLE A-2
APPROXIMATE NUMBER OF SOIL SAMPLES BY SITE
STAGE 2C, APPENDIX III

SITE NUMBER	ST-284	ST-285	ST-286	ST-287	ST-288	ST-289	ST-290	ST-291	ST-292	ST-293	TOTAL
Soil/Sediment Analyses											
VOC SW5030/SW8240	5	4	4	3	3	3	3	3	3	2	31
SVOC SW3550/SW8270	5	4	4	3	3	3	3	3	3	2	31
METALS SW3550/SW6010	5	4	4	3	3	3	3	3	3	2	31
Sb SW3550/SW7041	5	4	4	3	3	3	3	3	3	2	31
As SW3050/SW7060	5	4	4	3	3	3	3	3	3	2	31
Cr SW3050/SW7191	5	4	4	3	3	3	3	3	3	2	31
Pb SW3050/SW7421	5	4	4	3	3	3	3	3	3	2	31
Hg SW7471	5	4	4	3	3	3	3	3	3	2	31
Se SW3050/SW7440	5	4	4	3	3	3	3	3	3	2	31
Tl SW3050/SW7841											0
TPH E418.1											0
TPH SW8015(MOD)	5	4	4	3	3	3	3	3	3	2	31
SOIL MOIST ASTM 2216	5	4	4	3	3	3	3	3	3	2	31
SOIL pH SW9045											0
RADIOLOGY SW9310											0
RADIOLOGY SW9315											0
RADIOLOGY SW9320											0
SW3550/SW8080											0
SW3550/SW8140											0
SW3550/SW8150											0
SULFATE E375.4											0
NITRATE E353.2											0
AVO SW5030/SW8020											0
PAH SW3550/SW8310											0
Cn SW9010A											0
TYPE	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	

ANNEX A, TABLE A-2
APPROXIMATE NUMBER OF SOIL SAMPLES BY SITE
STAGE 2C, APPENDIX II

SITE NUMBER	ST-294	ST-295	ST-296	ST-297	ST-298	ST-299	ST-300	ST-301	ST-302	ST-303	TOTAL
Soil/Sediment Analyses											
VOC SW5030/SW8240	3	3	3	3	3	3	3	3	3	3	27
SVOC SW3550/SW8270	3	3	3	3	3	3	3	3	3	3	27
METALS SW3550/SW6010	3	3	3	3	3	3	3	3	3	3	27
Sb SW3550/SW7041	3	3	3	3	3	3	3	3	3	3	27
As SW3050/SW7060	3	3	3	3	3	3	3	3	3	3	27
Cr SW3050/SW7191	3	3	3	3	3	3	3	3	3	3	27
Pb SW3050/SW7421	3	3	3	3	3	3	3	3	3	3	27
Hg SW7471	3	3	3	3	3	3	3	3	3	3	27
Se SW3050/SW7440	3	3	3	3	3	3	3	3	3	3	27
Tl SW3050/SW7841											0
TPH E418.1											0
TPH SW8015(MOD)	3	3	3	3	3	3	3	3	3	3	27
SOIL MOIST ASTM 2216	3	3	3	3	3	3	3	3	3	3	27
SOIL pH SW9045											0
RADIOLOGY SW9310											0
RADIOLOGY SW9315											0
RADIOLOGY SW9320											0
SW3550/SW8080											0
SW3550/SW8140											0
SW3550/SW8150											0
SULFATE E375.4											0
NITRATE E353.2											0
AVO SW5030/SW8020											0
PAH SW3550/SW8310											0
Cn SW9010A											0
TYPE	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	

ANNEX A, TABLE A-2
APPROXIMATE NUMBER OF SOIL SAMPLES BY SITE
STAGE 2C, APPENDIX III

SITE NUMBER	ST-304	ST-305	ST-306	ST-307	ST-308	ST-309	ST-310	ST-311	ST-312	ST-313	TOTAL
Soil/Sediment Analyses											
VOC SW5030/SW8240	3	3		3	3	3	3	3	2	3	23
SVOC SW3550/SW8270	3	3		3	3	3	3	3	2	3	23
METALS SW3550/SW6010	3	3		3	3	3	3	3	2	3	23
Sb SW3550/SW7041	3	3		3	3	3	3	3	2	3	23
As SW3050/SW7060	3	3		3	3	3	3	3	2	3	23
Cr SW3050/SW7191	3	3		3	3	3	3	3	2	3	23
Pb SW3050/SW7421	3	3		3	3	3	3	3	2	3	23
Hg SW7471	3	3		3	3	3	3	3	2	3	23
Se SW3050/SW7440	3	3		3	3	3	3	3	2	3	23
Ti SW3050/SW7841											0
TPH E418.1											0
TPH SW8015(MOD)	3	3		3	3	3	3	3	2	3	23
SOIL MOIST ASTM 2216	3	3		3	3	3	3	3	2	3	23
SOIL pH SW9045											0
RADIOLOGY SW9310											0
RADIOLOGY SW9315											0
RADIOLOGY SW9320											0
SW3550/SW8080											0
SW3550/SW8140											0
SW3550/SW8150											0
SULFATE E375.4											0
NITRATE E353.2											0
AVO SW5030/SW8020											0
PAH SW3550/SW8310											0
Cn SW9010A											0
TYPE	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	

ANNEX A, TABLE A-2
APPROXIMATE NUMBER OF SOIL SAMPLES BY SITE
STAGE 2C, APPENDIX III

Soil/Sediment Analyses	ST-314	ST-315	ST-316	ST-317	ST-318	ST-319	ST-320	ST-321	ST-322	ST-323	TOTAL
SITE NUMBER											
VOC SW5030/SW8240	3	2	3	3	3	3	3		3	3	23
SVOC SW3550/SW8270	3	2	3	3	3	3	3	25	3	3	48
METALS SW3550/SW6010	3	2	3	3	3	3	3	2	3	3	25
Sb SW3550/SW7041	3	2	3	3	3	3	3		3	3	23
As SW3050/SW7060	3	2	3	3	3	3	3		3	3	23
Cr SW3050/SW7191	3	2	3	3	3	3	3		3	3	23
Pb SW3050/SW7421	3	2	3	3	3	3	3	25	3	3	48
Hg SW7471	3	2	3	3	3	3	3	25	3	3	48
Se SW3050/SW7440	3	2	3	3	3	3	3		3	3	23
Tl SW3050/SW7841											0
TPH E418.1											0
TPH SW8015(MOD)	3	2	3	3	3	3	3		3	3	23
SOIL MOIST ASTM 2216	3	2	3	3	3	3	3	26	3	3	48
SOIL pH SW9045											0
RADIOLOGY SW9310											0
RADIOLOGY SW9315											0
RADIOLOGY SW9320											0
SW3550/SW8080											0
SW3550/SW8140											0
SW3550/SW8150											0
SULFATE E375.4											0
NITRATE E353.2											0
AVO SW5030/SW8020											0
PAH SW3550/SW8310											0
Cn SW9010A											0
TYPE	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	

ANNEX A, TABLE A-2
APPROXIMATE NUMBER OF SOIL SAMPLES BY SITE
STAGE 2C, APPENDIX III

SITE NUMBER	ST-324	ST-325	ST-329	ST-330	ST-331	ST-333	ST-335	ST-336	ST-337	ST-338	TOTAL
Soil/Sediment Analyses											
VOC SW5030/SW8240	3	4	3	3	4	3					20
SVOC SW3550/SW8270	3	4	3	3	4	3	23		14	32	89
METALS SW3550/SW6010	3	4	3	3	4	3	23		14	32	89
Sb SW3550/SW7041	3	4	3	3	4	3	23		14		57
As SW3050/SW7060	3	4	3	3	4	3	23				43
Cr SW3050/SW7191	3	4	3	3	4	3	23				43
Pb SW3050/SW7421	3	4	3	3	4	3	23	22		60	125
Hg SW7471	3	4	3	3	4	3	23				43
Se SW3050/SW7440	3	4	3	3	4	3	23				43
Tl SW3050/SW7841							23				23
TPH E418.1											0
TPH SW8015(MOD)	3	4	3	3	4	3	23	22	14	32	111
SOIL MOIST ASTM 2216	3	4	3	3	4	3	23	22	14	32	111
SOIL pH SW9045											0
RADIOLOGY SW9310											0
RADIOLOGY SW9315											0
RADIOLOGY SW9320											0
SW3550/SW8080											0
SW3550/SW8140											0
SW3550/SW8150											0
SULFATE E375.4											0
NITRATE E353.2											0
AVO SW5030/SW8020											0
PAH SW3550/SW8310										113	113
Cn SW9010A											0
TYPE	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	910

ANNEX A, TABLE A-2
APPROXIMATE NUMBER OF SOIL SAMPLES BY SITE
STAGE 2C, APPENDIX III

SITE NUMBER	ST-339	ST-340	ST-341	MAMZSS				TOTAL PAGE	TOTAL ALL	QA/QC 20%	GRAND TOTAL
Soil/Sediment Analyses											
VOC SW5030/SW8240	152	3	30	8				193	548	110	658
SVOC SW3550/SW8270	152	3	30	8				193	674	135	809
METALS SW3550/SW6010	152	3	30	8				193	642	128	770
Sb SW3550/SW7041		3	30	8				41	452	90	542
As SW3050/SW7060		3	30	8				41	438	88	526
Cr SW3050/SW7191		3	30	8				41	438	88	526
Pb SW3050/SW7421	152	3	30	8				193	725	145	870
Hg SW7471	152	3	30	8				193	643	129	772
Se SW3050/SW7440		3	30	8				41	438	88	526
Tl SW3050/SW7841			30					30	70	14	84
TPH E418.1								0	47	9	56
TPH SW8015(MOD)		3	28	8				37	547	109	656
SOIL MOIST ASTM 2216	152	3	30	8				193	688	138	826
SOIL pH SW9045								0	47	9	56
RADIOLOGY SW9310								0	47	9	56
RADIOLOGY SW9315								0	47	9	56
RADIOLOGY SW9320								0	47	9	56
SW3550/SW8080								0	34	7	41
SW3550/SW8140								0	0	0	0
SW3550/SW8150								0	2	0	2
SULFATE E375.4								0	17	3	20
NITRATE E353.2								0	8	2	10
AVO SW5030/SW8020								0	34	7	41
PAH SW3550/SW8310								0	147	29	176
Cn SW9010A								0	0	0	0
TYPE	EC	EC	EC	EC	EC				6780	1356	8136

Table A-3

RESERVED

ANNEX A, TABLE A-4

RFI Sites

Stage 2B, Appendix II
&
Stage 2C, Appendix III

Stage 2B, Appendix II Sites

SWMU#	SITE#	Site Description	Bldg.#
10-3	ST-201	O/W Separator	255
10-3	ST-202	Sediment Trap	333/334
10-12	ST-203	O/W Separator	334
10-12	ST-204	O/W Separator	334
10-12	ST-205	Sediment Trap	334
	ST-206	O/W Separatpr	336
10-13	ST-207	O/W Separator	336
10-14	ST-208	O/W Separator	336
10-14	ST-209	Catch Basin	336
10-7	ST-210 Holding Tank	O/W Separator and	377
10-15	ST-211	O/W Separator	381
10-15	ST-212	O/W Separator	381
10-15	ST-213	Area Drain	381
10-7	ST-214	Waste Oil Under-ground Storage Tank	471
10-7	ST-215	O/W Separator	471
10-7	ST-216	O/W Separator	471

Stage 2B, Appendix II Sites (Cont)

SWMU#	SITE#	Site Description	Bldg.#
10-7	ST-217	O/W Separator	481
8-5	ST-218	O/W Separator	482
10-7	ST-219	OW Separator	481/482
10-7	ST-220	Floor Drain	1001
8-13	ST-221	O/W Separator	1001/1002
10-7	ST-222	O/W Separator	1031
10-7	ST-223	Sewage Ejector Unit	1031
10-7	ST-224	Area Drain	1031
10-7	ST-225	Holding Tank	1031
10-7	ST-226	O/W Separator	1037
10-7	ST-227	Holding Tank 1037	
10-7	ST-228	Area Drain	1040
10-7	ST-229	Sewage Ejector Unit	1043
10-7	ST-230	O/W Separator	1046
10-7	ST-231	Holding Tank 1046	
10-7	ST-232	Sewage Ejector Unit	1046
10-7	ST-233	Area Drain	1046
10-18	ST-234	O/W Separator	1051
10-18	ST-235	O/W Separator	1051
10-19	ST-236	O/W Separator	1051
10-19	ST-237	Area Drain	1051
10-7	ST-238	O/W Separator	1058
10-7	ST-239	O/W Separator	1058

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Stage 2B, Appendix II Sites (Cont)

SWMU#	SITE#	Site Description	Bldg.#
10-7	ST-240	Holding Tank	1058
10-7	ST-241	O/W Separator	1061
8-26	ST-242	O/W Separator	1063
8-26	ST-243	O/W Separator	1063
10-7	ST-244	O/W Separator	1064
10-7	ST-245	Holding Tank 1064	
10-7	ST-246	O/W Separator and Holding Tank	1070
10-7	ST-247	O/W Separator	2637
10-17	ST-248	O/W Separator	20205
10-17	ST-249	Wast Oil Under-ground Storage Tank	20205
8-28	ST-250	O/W Separator	20338
8-29	ST-251	O/W Separator	20344
8-31	ST-252	O/W Separator	20348
8-31	ST-253	O/W Separator	20348
10-7	ST-254	O/W Separator	20365
8-35	ST-255	O/W Separator	20375
8-35	ST-256	O/W Separator	20375
8-35	ST-257	O/W Separator	20375
8-35	ST-258	O/W Separator	20375
10-7	ST-259	Area Drain	20422
10-7	ST-260	O/W Separator	20422
8-47	ST-261	O/W Separator	20423

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Stage 2B, Appendix II Sites (Cont)

SWMU#	SITE#	Site Description	Bldg.#
10-7	ST-262	O/W Separator	20698
10-7	ST-263	O/W Separator	23226
10-9	ST-264	O/W Separator	30142
10-7	ST-265	O/W Separator	30146
10-7	ST-266	Area Drain	57001
10-11	ST-267	O/W Separator	57007

Stage 2C, Appendix III Sites

SWMU #	SITE #	Description
8-58	WP-38	Entomology Shop Drain. Bldg. 20687.
8-6	WP-47	Silver Recovery Unit drains.(4 drains in Bldg. 1000 and hook up to main line.)
6-14	ST-51	Treated Sewage Effluent Transmission Line. Bldg. 702.
	FT-52	Jet Engine Burn Area Near Fire
10-3	ST-200	Waste Oil Tank 215. AFES Service Station
10-3	ST-201	O/W Separator Inflow and outfall lines. Bldg. 255.
10-3	ST-202	Sediment Trap inflow and outflow lines. Bldg. 333/334.
10-12	ST-203	O/W Separator inflow and outflow lines. Bldg. 334
10-12	ST-204	O/W Separator inflow and outflow lines. Bldg. 334.
10-12	ST-205	Sediment Trap inflow and outflow lines. Bldg. 334.

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Stage 2C, Appendix III Sites (Cont)

SWMU #	SITE #	Description
10-13	ST-206	O/W Separator inflow and outflow lines. Bldg. 336.
10-13	ST-207	O/W Separator inflow and outflow lines. Bldg. 336.
10-14	ST-208	O/W Separator inflow and outflow lines. Bldg. 336.
10-14	ST-209	Catch Basin inflow and outflow lines. Bldg. 336.
10-7	ST-210	O/W Separator and Holding Tank inflow and outflow lines. Bldg. 377.
10-15	ST-211	O/W Separator inflow and outflow lines. Bldg. 381.
10-15	ST-212	O/W Separator inflow and outflow lines. Bldg. 381.
10-15	ST-213	Area Drain inflow and outflow lines. Bldg. 381.
10-7	ST-215	O/W Separator inflow and outflow lines. Bldg. 471.
10-7	ST-216	O/W Separator inflow and outflow lines. Bldg. 471.
10-7	ST-217	O/W Separator inflow and outflow lines. Bldg. 481.
8-5	ST-218	O/W Separator inflow and outflow lines. Bldg. 482
10-7	ST-219	O/W Separator inflow and outflow lines. Bldgs. 481/482.
10-7	ST-220	Floor Drain all inflow and outflow lines. Bldg. 1001.

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Stage 2C, Appendix III Sites (Cont)

SWMU #	SITE #	Description
8-13	ST-221	O/W Separator inflow and outflow lines. Bldg. 1001/1002.
10-7	ST-222	O/W Separator inflow and outflow lines. Bldg. 1031.
10-7	ST-223	Sewage Ejector Unit inflow and outflow lines. Bldg. 1031.
10-7	ST-224	Area Drain inflow and outflow lines. Bldg. 1031.
10-7	T-225	Holding Tank inflow and outflow lines. Bldg. 1031.
10-7	ST-226	O/W Separator inflow and outflow lines. Bldg. 1037.
10-7	ST-227	Holding Tank inflow and outflow lines. Bldg. 1037.
10-7	ST-228	Area Drain and inflow outflow lines. Bldg. 1040.
10-7	ST-229	Sewage Ejector Unit inflow and outflow lines. Bldg. 1043.
10-7	ST-230	O/W Separator inflow and outflow lines. Bldg. 1046.
10-7	ST-231	Holding Tank inflow and outflow lines. Bldg. 1046.
10-7	ST-232	Sewage Ejector Unit inflow and outflow lines. Bldg. 1046.
10-7	ST-233	Area Drain inflow and outflow lines. Bldg. 1046.
10-18	ST-234	O/W Separator inflow and outflow lines. Bldg. 1051.
10-18	ST-236	O/W Separator inflow and outflow lines. Bldg. 1051.

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Stage 2C, Appendix III Sites

SWMU #	SITE #	Description
10-19	ST-237	Area Drain inflow and outflow lines. Bldg. 1051.
10-7	ST-238	O/W Separator inflow and outflow lines. Bldg. 1058.
10-7	ST-239	O/W Separator inflow and outflow lines. Bldg. 1058.
10-7	ST-240	Holding Tank inflow and outflow lines. Bldg. 1058.
10-7	ST-241	O/W Separator inflow and outflow lines. Bldg. 1061.
8-26	ST-242	O/W Separator inflow and outflow lines. Bldg. 1063.
8-26	ST-243	O/W Separator inflow and outflow lines. Bldg. 1063.
10-7	ST-244	O/W Separator inflow and outflow lines. Bldg. 1064.
10-7	ST-245	Holding Tank inflow and outflow lines. Bldg. 1064.
10-7	ST-246	O/W Separator and Holding Tank inflow and outflow lines. Bldg. 1070.
10-7	ST-247	O/W Separator inflow and outflow lines. Bldg. 2637.
10-17	ST-248	O/W Separator inflow and outflow lines. Bldg. 20205.
8-28	ST-250	O/W Separator inflow and outflow lines. Bldg. 20338.
8-29	ST-251	O/W Separator and inflow outflow lines. Bldg. 20344.
8-31	ST-252	O/W Separator inflow and outflow lines. Bldg. 20348.

8-31	ST-253	O/W Separator inflow and outflow lines. Bldg. 20348.
10-7	ST-254	O/W Separator inflow and outflow lines. Bldg. 20365.
8-35	ST-255	O/W Separator inflow and outflow lines. Bldg. 20375.
8-35	ST-256	O/W Separator inflow and outflow lines. Bldg. 20375.
8-35	ST-257	O/W Separator inflow and outflow Lines. Bldg. 20375.
8-35	ST-258	O/W Separator inflow and outflow lines. Bldg. 20375
10-7	ST-259	Area Drain all inflow and outflow lines. Bldg. 20422.
10-7	ST-260	O/W Separator inflow and outflow lines. Bldg. 20422.
8-47	ST-261	O/W Separator inflow and outflow lines. Bldg. 20423.
10-7	ST-262	O/W Separator inflow and outflow lines. Bldg. 20698.
10-7	ST-263	O/W Separator inflow and outflow lines. Bldg. 2322.
10-9	ST-264	O/W Separator inflow and outflow lines. Bldg. 30142.
10-7	ST-265	O/W Separator inflow and outflow lines. Bldg. 30146.
10-7	ST-266	Area Drain inflow and outflow lines. Bldg. 57001.
10-11	ST-267	O/W Separator inflow and outflow lines. Bldg. 57007.
10-21	ST-273	Septic Tank, leach field and inflow lines. Bldg. 618 N.

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Stage 2C, Appendix III Sites (Cont)

SWMU #	SITE #	Description
8-41	ST-274	Waste Battery Storage. Bldg. 20423
8-49	ST-275	Fuel shop battery storage area. Bldg 20677.
9-4	ST-276	Waste accumulation area. Bldg. 617
9-20	WP-277	Inactive waste accumulation area. Bldg. 909.
10-1	ST-278	Sanitary Sewer A.
10-1	ST-279	Sanitary Sewer B.
10-1	ST-280	Sanitary Sewer C. *HOUSING*
10-1	ST-281	Sanitary Sewer D.
10-1	ST-282	Sanitary Sewer E.
10-1	ST-283	Sanitary Sewer F.
10-1	ST-284	Sanitary Sewer G.
10-2	ST-285	Storm Sewer System (Tower E)
10-2	ST-286	Storm Sewer System. (E of Hangars 1001/1002.
10-21	ST-287	Septic tank, leach field and inflow lines. Bldg. 525.
10-21	ST-288	Septic tank, leach field and inflow lines. Bldg. 614.
10-21	ST-289	Septic tank, leach field and inflow lines. Bldg. 617.
10-21	ST-290	Septic tank, leach field and inflow lines. Bldg. 619.
10-21	ST-291	Septic tank, leach field and inflow lines. Bldg. 617.

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Stage 2C, Appendix III Sites (Cont)

SWMU #	SITE #	Description
10-21	ST-292	Septic tank, leach field and inflow lines. Bldg. 626.
10-21	ST-293	Septic tank, leach field and inflow lines. Bldg. 37570.
10-21	ST-294	Septic tank, leach field and inflow lines. Bldg. 633.
10-21	ST-295	Septic tank, leach field and inflow lines. Bldg. 638.
10-21	ST-296	Septic tank, leach field and inflow lines. Bldg. 702.
10-21	ST-297	Septic tank, leach field and inflow lines. Bldg. 707.
10-21	ST-298	Septic tank, leach field and inflow
10-21	ST-299	Septic tank, leach field and inflow lines. Bldg. 751.
10-21	ST-300	Septic tank, leach field and inflow lines. Bldg. 20199.
10-21	ST-301	Septic tank, leach field and inflow lines. Bldg. 20560.
10-21	ST-302	Septic tank, leach field and inflow lines. Bldg. 20599.
10-21	ST-303	Septic tank, leach field and inflow lines. Bldg. 20749.
10-21	ST-304	Septic tank, leach field and inflow lines. Bldg. 20797.
10-21	ST-305	Septic tank, leach field and inflow lines. Bldg. 28064.
10-21	ST-306	Septic tank, leach field and inflow lines. Bldg. 28050.
10-21	ST-307	Septic tank, leach field and inflow lines. Bldg. 30163.

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Stage 2C, Appendix III Sites (Cont)

SWMU #	SITE #	Description
10-21	ST-308	Septic tank, leach field and inflow lines. Bldg. 30103.
10-21	ST-309	Septic tank, leach field and inflow lines. Bldg. 37504.
10-21	ST-310	Septic tank, leach field and inflow lines. Bldg. 37414.
10-21	ST-311	Septic tank, leach field and inflow lines. Bldg. 37404.
10-21	ST-312	Septic tank, leach field and inflow lines. Bldg. 37410.
10-21	ST-313	Septic tank, leach field and inflow lines. Bldg. 37530.
10-21	ST-314	Septic tank, three leach fields and inflow lines. Bldg. 48004.
10-21	ST-315	Septic tank, leach field and inflow lines. Bldg. 48004.
10-21	ST-316	Septic tank, leach field and inflow lines. Bldg. 57003.
10-21	ST-317	Septic tank, leach field and inflow lines. Bldg. 57011.
10-21	ST-318	Septic tank, leach field and inflow lines. Bldg. 37200.
10-21	ST-319	Septic tank, leach field and inflow lines. Bldg. 37570.
10-21	ST-320	Septic tank, leach field and inflow lines. Bldg. 20149.
10-21	ST-321	Septic tank, leach field and inflow lines. Bldg. 57007.
10-21	ST-322	Septic tank, leach field and inflow lines. Bldg. 37415.

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Stage 2C, Appendix III Sites (Cont)

SWMU #	SITE #	Description
10-21	ST-323	Septic tank, leach field and inflow lines. Bldg. 29042.
10-21	ST-324	Septic tank, leach field and inflow lines. Bldg. 29051.
10-21	ST-325	Storm Sewer System.
10-21	ST-326	Waste oil tank, Auto Hobby Shop. Bldg 20375
0-0	ST-327	Burn Yard.
10-2	ST-329	Grease trap to storm drain and inflow and outflow lines Propulsion Branch. Bldg 336.
10-21	ST-330	Septic tank, leach field and inflow lines. Bldg. 1032.
10-2	ST-331	Storm drain C130 maintenance shop. Bldg. 1009.
10-1	ST-332	Sanitary Sewer. (ITRI).
10-21	ST-333	Septic tank, leach field and inflow lines. (Abandoned). Bldg. 66001.
8-52/8-53	ST-335	Paint Shop Sink Drain to Sanitary Sewer and Rock Bed. Bldg. 20681.
10-2	ST-336	Jet Engine Test Cell. Bldg. 702.
0-0	ST-337	US Corps of Engineers Vehicle Maintenance Yard. Bldg. 20212.
0-0	ST-338	Horizontal Dipole Drum Rack.
0-0	ST-339	Contractor Yard West of Bldg. 20423.
10-21	ST-340	Septic tank, leach field and inflow lines. Bldg. 57001.
0-0	ST-341	Condensate Holding Tank. Bldg. 1032.

Notes:

a Unless an abbreviated list of analytes is specified under "Parameter" above, the analytical protocol shall include all analytes listed in the referenced analytical method and all analytes of interest. Analytes of Interest are considered to be those listed in table 2-2 of the Handbook. The methods cited are from the following sources:

"A" Methods	Standard Methods for the Examination of Water and Wastewater, 16th Edition (1985)
"E" Methods	Methods for Chemical Analysis of Water and Wastes, EPA Manual, 600/4-79-020 (USEPA, 1983--with additions)
"SW" methods	Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition (USEPA, 1986)
"ASTM" Methods	American Society for Testing and Materials, 1919 Race Street, Philadelphia, PA 19103

b If the number of samples requiring second-column confirmation exceeds this allowance, contact the Technical Project Manager. The total number of samples listed in Annex A includes the allowance applicable to each GC method. If GC/MS, or a combination of second-column GC and GC/MS, is used, the total cost of all such analyses for a particular parameter shall not exceed the funding allowed for positive confirmation using only second-column GC.

c The sample shall be filtered in the field through a 0.45 micrometer filter immediately (within 15 min.) after sample collection and before sample preservation.

d For furnace analyses, modify the SW3005 digestion procedure by substituting 5 mL concentrated nitric acid for the 5 mL concentrated hydrochloric acid specified by the method (a total of 7 mL nitric acid will be added).

Appendix B
Biographies of Key Personnel

ROGER CLARK

Mr. Clark served as the Technical Quality Assurance Specialist for RFI activities at Kirtland Air Force Base. He has a B.A. degree in Earth Sciences from Bloomsburg State College and M.A. and Ph.D. degrees in Geology from State University of New York. He has more than 25 years of professional experience in geological and environmental sciences and regulatory issues that include planning and supervising subsurface multi-phased and multi-disciplined investigations for RI/FSs, RFIs, RCRA Corrective Actions, Property Assessments and Regulatory Compliance issues. His experience includes managing subsurface investigations for both hazardous and radioactive wastes at domestic and foriegn sites.

KEVIN J. WALTER, P.E.

Mr. Walter served as the project manager for Stage 2B activities. He was responsible for implementing Stage 2B activities, overseeing the RFI report preparation, interfacing with the client and regulatory agents, and project budgeting and scheduling. He has both a Masters and Bachelors degree in Environmental Engineering from Rensselaer Polytechnic Institute in Troy, New York. Mr. Walter has more than 18 years of experience in the environmental field managing and performing project work. His technical experience includes investigation and remediation of contaminants transported in all media, including surface water/drinking water, groundwater, soil, sediment, and air. Mr. Walter has more than 10 years of experience managing multidisciplinary projects ranging from site audits/assessments to remedial design and remedial action. He served as the project manager for an $11 million contract with the U.S. Department of Energy to conduct environmental surveys at 38 nuclear weapons and energy research facilities across the United States with five 10-person teams. His experience includes serving as the Deputy Manager and Principal Investigator under contract to the Los Alamos National Laboratory Environmental Restoration Program. As a Deputy Manager, Mr. Walter managed and directed more than 20 technical staff members who performed RFIs including development of Health & Safety Plans, Sampling & Analysis Plans, site investigation activities (sampling, verification, validation, and interpretation of laboratory results), and performance of site audits and investigations.

ROSS DIMMICK

Ross Dimmick served as the task manager for field operations and RFI report preparation of the Stage 2B activities at Kirtland Air Force Base. He has a M.S. degree in Geological Sciences from Rutgers University and a B.S degree in Geological Sciences from the University of Washington, B.S., Geological Sciences. He has ten years experience conducting and managing site investigations, CERCLA preliminary assessments/site inspections/remedial investigations/and feasibility studies. He has five years experience in the Superfund program, playing a key role in development of EPA's current site assessment strategy and as designer and project manager for developing the scoring system used in EPA's Hazard Ranking System. During a 3-year assignment in the former East Germany, he performed ground water modeling of complex sites and modified program code to this end.

JOSEPH P. PAVLETICH, P.G.

Mr. Pavletich served as the field operations manager, project geologist and co-author to the RFI report for Stage 2B activities. He has both M.S. and B.S. degrees in Geology from California State University Hayward. He has 12 years of professional experience in geology, groundwater hydrology, and soil vapor surveys in the hazardous waste industry. Mr. Pavletich's activities have included serving as an Operable

Unit Task Leader for site characterization projects for an EPA Superfund site. He coordinated a CERCLA RI/FS operable unit investigation and wrote the subsequent operable unit RI and FS reports for inclusion in a sitewide RI/FS document. He also coordinated a CERCLA removal action involving the design, modification, testing, monitoring, and regulatory reporting for a groundwater and soil vapor extraction and treatment system. He has supervised drilling programs and operations for soil and groundwater sampling and monitor well installation under RCRA/CERCLA. He has analyzed lithologic, chemical, and geophysical data for the design, installation, and development of monitor wells. He has also conducted property assessments to detect the presence and determine the extent of soil and groundwater contamination using innovative technologies such as soil vapor surveys.

BRYAN WOLFE

Mr. Wolfe served as a geoprobe operator, sample collector, and co-author on the RFI report. He has a B.S. degree in Engineering Science (Mechanics) from the New Mexico Institute of Mining and Technology. He has more than three years professional experience in hydrogeologic investigations, UST removals and leak investigations, soil vapor surveys, groundwater modeling, and the design, installation, and operation of groundwater and soil vapor extraction and treatment systems. He has supervised drilling and sampling programs for soil and groundwater. He has designed, installed, and tested groundwater monitor wells and extraction wells for soil vapor and groundwater at numerous UST and solid waste landfill sites. Mr. Wolfe has performed field investigations for site assessments, hydrologic testing, water pollution control studies, air quality assessments, solid and hazardous wastes determinations, potable water source testing, asbestos inspection testing, and emergency spill response. While on assignment in Alaska, Mr. Wolfe reviewed plans for private water and waste disposal systems, responded to marine and surface oil spill clean-upefforts, and enforced cruise ship stack emission standards.

MATTHEW F. CHRISTIAN

Matthew Christian served as a geoprobe operator and sample collector during the Stage 2B activities at Kirtland Air Force Base. He has an M.S. degree in Forestry from Iowa State University and a B.A. degree in Biology from Luther College. He has more than six years of experience on environmental projects. As an Environmental Scientist, he has been involved with Remedial Investigation/Feasibility Study (RI/FS) activities under CERCLA, as well as RCRA Facility Investigations. He has designed, assembled, and installed nests of groundwater piezometers and tension and zero-tension lysimeters for hydrologic monitoring. In addition, he has conducted and managed surface and groundwater quality sampling and monitoring. Has had extensive applied-forestry experience internationally, as well as the U.S. For example, he conducted a rain forest regeneration study in the wet-tropics of Queensland, Australia, and investigated pine plantation characteristics in New Zealand. Combining knowledge of forestry and agriculture, he managed a $250,000 agroforestry project funded by the Leopold Center for Sustainable Agriculture. He also has thorough knowledge of NEPA process, and has provided support for, and technical review of, major DOD environmental impact statements. For other defense-related programs, he has authored Records of Environmental Consideration and Categorical Exclusions under NEPA.

STEVEN P. CAMP

Mr. Camp served as a geoprobe operator and sample collector during the Stage 2B activities at Kirtland Air Force Base as well as a co-author on the RFI report. He has a B.S. degree in Resource Development from Michigan State University. He has more than 3 years of environmentally-related work experience,

2 of which he served as a project manager of several LUST hydrogeological site investigations for a major oil company. Responsibilities included development, implementation, and oversight of work plans, budget estimates, and final reports. Relevant tasks to these responsibilities included initial abatement measures, public health and environmental risk assessments, oversight of UST removal activities, and the development and implementation of remedial alternatives.

LARRY BASILIO

Mr. Basilio served as a project geologist during Stage 2B activities, specifically at locations where hollow stem auger and deep soil borings were required. Mr. Basilio has a B.S. degree in Geology from Southern Illinois University. With more than 14 years of experience providing geologic support and environmental expertise to large projects. He has performed duties as project manager, project technical lead, and field drilling manager on numerous hazardous waste site investigations. Responsibilities include performing site investigations, RI/FS activities, design and implementation of groundwater monitoring systems and sampling and analysis programs, aquifer testing and interpretation, management of field teams and coordination of field activities, proposal preparation, and preparation of geologic/hydrogeologic reports. Additional experience includes sampling, sampling protocols, and field QA/QC requirements.

KARIN CRANDALL

Ms. Crandall served as the project chemist, QA officer, health and safety officer and co-author on the RFI report for the Stage 2B activities at Kirtland Air Force Base. She has a B.A. degree in Chemistry from Western Maryland College. She has 18 years experience in environmental related projects in both technical and program management capacities. She has more than 10 years experience in regulatory compliance issues including 10 years experience conducting source air emission and industrial hygiene sampling for private industry, regulatory agency, and a consulting firm. She has conducted sample collection and analyses by GC, GC/MS, AA, and HPLC, and has modeled results to determine air quality impact. She has participated in several ambient air monitoring programs for particulates, volatile and semivolatile organics, and fixed gases and has performed air dispersion modeling of results. She is also experienced in CERCLA site investigation and emergency response sampling/analysis, soil and groundwater sample collection, and on-site headspace analysis to determine extent of contamination or groundwater plume delineation. In addition, she has three years experience in environmental auditing and CAA regulatory compliance assessment of operating facilities; along with 7 years in industrial wastewater clarification including chemical characterization, system engineering, synthesis, and polymer evaluation/application. She is EPA method 9 certified and has a working knowledge of Federal, state, and DOE Order requirements, methods, and protocol including EPA SW-846.

CHERYLE LU

Ms. Lu was responsible for assessing risk at Stage 2B sites where contaminants were found to be present. She has a B.S. degree in Nursing from the National Taiwan Health and Safety Plan University, an M.A. degree in Biology from Appalachian State College in North Carolina and a Ph.D. degree in Biology from the University of Houston. She has more than 25 years of professional experience that includes environmental toxicology consulting services, project management, risk assessment, remedial investigations/feasibility studies, remediation/closure of RCRA facilities and Superfund sites, regulatory compliance, toxicology, and litigation and support.

ROBERT M. GAYLOR

Mr. Gaylor served as the IRPIMS data manager for the Stage 2B Project. He evaluated and formatted the analytical data to ensure it was compatible with the IRPIMS requirements for data presentation. He has a BS degree in Computer Science from the University of Maryland, a BA degree in Geology from the University of North Carolina and an MS degree in Geology from North Carolina State University. He has more than seven years experience with specialization in computer applications associated with hazardous waste activities. He has designed and maintained data management systems to track and report chemical analyses from water and soil samples associated with RCRA-mandated groundwater sampling programs. Other experience includes supporting geologic and groundwater hydrologic activities as related to the hazardous waste industry; groundwater monitoring well installation, soil borings, and sampling of existing monitoring wells; design and implementation of groundwater monitoring programs to meet the requirements of local, state, and Federal regulations concerning protection of water resources under both RCRA and CERCLA; and review and evaluate the technical and regulatory merits of RFI Workplans and Sampling Plans.

RITA SENKO, P.G.

Ms. Senko served as project support by coordinating field activities, cost tracking, estimating and scheduling, preparing progress reports, and client liaisons, along with serving as co-author on the RFI report. She has a B.S. degree in Geology from the Tennessee Technological University. She has more than 10 years of technical and project management experience performing environmental compliance activities. As a senior hydrogeologist for Halliburton NUS, she is responsible for performing and managing all phases of hydrogeological and geological investigations. Typical projects consist of remedial investigations and feasibility studies, remedial design and action, RFIs, and corrective measures design and implementation, as well as environmental assessment and characterization of sites contaminated with hazardous materials or petroleum products.

CHARLES A. REMKES, P.E.

Mr. Remkes collected background data in preparation for Stage 2B activities and provided technical support during the investigation. He has a BS degree in Civil Engineering/Ocean Engineering from Texas A&M University. He has more than 10 years of experience managing engineering projects in a combination of field activities, project management and program management assignments. As an Environmental Engineer, he provided support and oversight on environmental compliance-related issues. He has management experience on several highly varied and multidisciplinary projects including hazardous waste treatment, storage, and disposal facility audits; waste minimization plans; pollution prevention plans; subsurface investigation of soil contamination associated with underground storage tanks; spill prevention control and countermeasure plans; waste management guidance documents; preliminary site assessments; asbestos inspections, management plans, and abatement projects; and material evacuations. He has a strong working knowledge of Federal regulations as they apply to waste management activities, specifically those associated with the RCRA. He is also thoroughly familiar with National Pollution Discharge Elimination Systems (NPDES) and National Emission Standards for Hazardous Air Pollutants (NESHAPS)-related issues.

KATHLEEN M. ALLEN

Ms. Allen served as the Technical Editor during Stage 2B RFI report preparation. She has a B.A. degree in English from Clemson University. She has more than 14 years multidisciplinary experience in supervision and technical document projection, including 8 years experience writing, reporting, advertising, proofreading, editing, and graphics. During this period she has provided technical writing and editing support to DOE, DOD, and non-governmental clients as needed, ensuring that quality standards are achieved and resulting products meet or exceed client expectations. In support of her technical editing functions she has served as Assistant Department Manager and editor of a 21-person Publications Department, ensureing that deliverables were edited, proofread, word-processed, illustrated, and reproduced within established deadlines and client specifications.

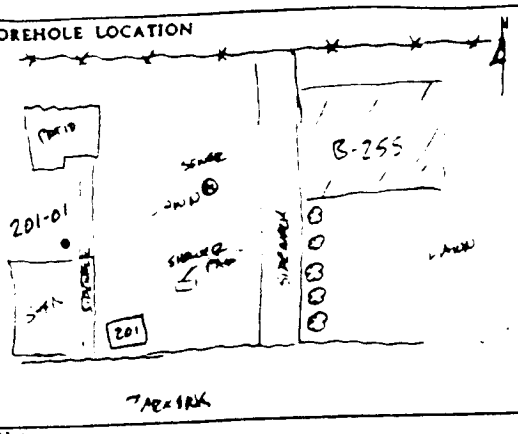
C

Appendix C
Soil Boring Logs

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: SS-201-01
	Job No: 2A56
Logged By: J. Pavletich	Edited By:
Project Manager: K. Walker	Drill Rig: Geoprobe
Drilling Contractor: BZE	
Driller/Helper: B. Wolfe / M. CHRISTIAN	
Drilling Method: Geoprobe Construction Method Code: V (driven), HA = Hand Augered	
Sample Method: LARGE-BORE SAMPLER	
Hammer Weight/Drop: N.A.	Borehole Diameter: 1.375"
Started, Time: 1410	Date: 4-12-94
Completed, Time: 1500	Date: 4-12-94

Notes: 6-11'

BACKGROUND 8'=10-12 ppm

Water Depth HNU	0 ppm					
Boring/Casing Depth	60-100 ppm					
Time	1405					
Date	4-12-94					

Total Depth: 13 FT	Casing Depth:
Screened Interval:	
Sand Pack, #3:	#0:
Well Development Method:	
Time: Date:	Flow Rate:
Geophysical Logs Type:	Date:
By:	

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/PID Reading	Analyses		Lithology Code	Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
													LAWN AT SURFACE.
									SDFN				SAND (SP) BROWN (7.5YR 4/6) MOIST, LOOSE-MED DENSE
										1			MOD-HIGH EST IR, FR ANG SAND, 15-20% VFG, 1-2% MG.
													ORGANICS PRESENT UPPER 6"
										2			
									SDYF				
										3		?	
										4			
										5		?	2.5' SAND (SP) BROWN (7.5YR 4/6) MOIST MED DENSE
			12	12	4	0 ppm							MOD EST IR, VFG ANG SAND. 15% SLT 5-10% FG. 1-2% MG CG
KAFB-SS201-01 0600										6			HEAVILY STAINED W/ CALICHE: 5-6½'. DARK STAINS ABOUT 5'
			24	22	VG	0 ppm 2-8	SAND	DRED	SDYF				6.5' SILTY SAND (SM) BROWN (7.5YR 5/6) MOIST. MED DENSE
						60-100 ppm	TOC	GTO		7			VFG-FG ANG SAND, 20-25% SLT, 5% MG-CG. 10% ANG PEBBLES TO
							MOIST	HIGH	MOIST				SAMPLE @ 8', HEAVY CALICHE STAINING AT 6.5'
										8			
										9			
										10			

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56

Borehole/Well No.: ST-201-01

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/PID	Analysis		Lithology Code		Depth (ft)	Recovery	Contact
		↓	12	2	F	0			SM ↓		11		
KAFB ST201-01 1I3		↓	24	22	G	B: [illegible]	SVOC VOC METALS	8270 8260 Hg, PH,	SM ↓ MOISTURE		12 13		TD
											14		
											15		
											6		
											7		
											8		
											9		
											0		
											1		
											2		
											3		
											4		
											5		
											6		
											7		
											8		
											9		
											0		

Notes:

@ 11' SAME AS AT 8' NO PEBBLES, CALICHE STAINED

11.25' SILTY SAND (SM) BROWN (7.5YR 4/6) MOIST. MED. DENSE

LOW EST IK VFG-FG ANG. SAND. 15-20% SILT, 5-10% ANG-G

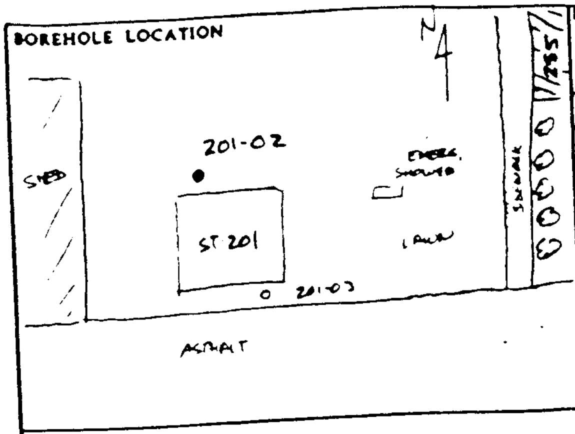
OCCAS. ANG. PEBBLES TO 5mm ϕ

PROFESSIONAL GEOLOGIST
JOSEPH P. PAVLETICH
PG-1600
WYOMING

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project	KAFB Stage 2B
Borehole/Well No:	ST-201-02
Job No:	2A56
Logged By:	J. Pavlovich
Edited By:	JP
Project Manager:	K. Walker
Drill Rig:	Geoprobe
Drilling Contractor:	B&RE
Driller/Helper:	B. Wolfe / M Christian
Drilling Method:	Geoprobe Construction Method Code: ✓V (driven), HA = Hand Augered
Sample Method:	LARGE-BORE SAMPLER
Borehole Diameter:	1.375"
Hammer Weight/Drop:	NA
Started, Time:	0900 Date: 4-13-94
Completed, Time:	1020 Date: 4-13-94
~~Water Depth~~ (NA/HNU)	0.4/7.5
~~Boring/Casing Depth~~	10-80/9
Time	1013
Date	4-13-94

Notes: 6.11

BACKGROUND Y: 9 uR/HR

Total Depth: 13 FT

Casing Depth:

Screened Interval:

Sand Pack, #3: #0:

Well Development Method:

Time: Date: Flow Rate:

Geophysical Logs, Type:

By: Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses		Lithology Code	Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
									SP	0–1			LAWN 0-6" SAND (SP) BROWN (7.5YR 4/6) DRY LOOSE-MED DENSE MOD-HIGH EST IK FG ANG. SAND 15-20% VFG 1-2% MG. ABUNDANT ORGANICS UPPER 5-6"
										2–3		?	
									SM	3–4		?	
										4–5			3.5'? SILTY SAND (SM) BROWN (7.5YR 4/6) MOIST, MED DENSE LOW-MOD EST IK. VFG-FG ANG. SAND, 15-20% SILT, 2-5% MG-CG. MOTTLED W/ CALICHE. BLEBS & PATCHES TO 15mmØ TRACES OF ASPHALT
KAFB-ST201-02 0608			12	8	G	2.5/0 ppm / 7-8-40 8ppm				5–6			
			24	22	VG		SVOC VOC METALS	TPH by pH	GRO DRO	6–7			6.8' SAME AS AT 5-6 + OCCAS ANG. PEBBLES TO 5mmØ MINOR CALICHE BLEBS TO 2mmØ
										7–8			
									SP	8–9		/	9' SAND (SP) BROWN (7.5YR 4/6) MOIST MED DENSE MOD EST IK. VFG-FG ANG. SAND 10% SILT 5% MG-CG. MOTTLED W/ CALICHE AT 10' ABUNDANT WEATHERED BIOTITE
			18	18						9–10			

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56

Borehole/Well No.: ST-201-02

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/PID	Analysis		Lithology Code		Depth (ft)	Recovery	Contact
		↓							40% / 50%		11		
KAFB-ST201-02 11/3		↓	24	24	VG	BZ/0 ppm PD-Bkgrd	SVOC	DRO	GRO		12		
							VOC		↓				
							METALS	Hg PB	MNST		13		D

Notes:

10.75 SAND (SP) BROWN (7.5YR 4/6) MOIST, MED DENSE

LOW EST IK. VFG ALX. SAND 10-15% SILT, 1-2% NG-CA.

CALICHE PATCH AT 10.75 TO 15 mm ⌀

11-13' SAME AS AT 10.75' + RARE SUBANG PEBBLES TO 5mm

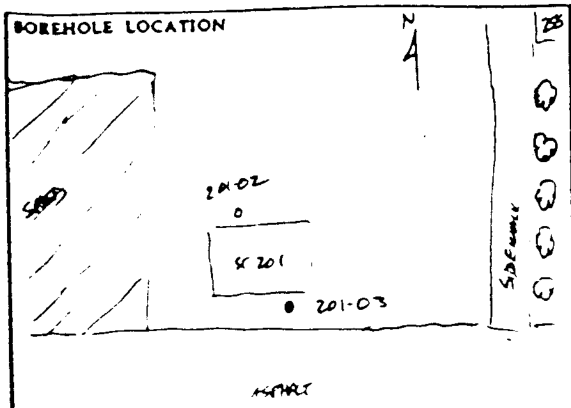
PROFESSIONAL GEOLOGIST
JOSEPH P. PAVLETICH
PG-1990
WYOMING

ST-201 1967 [illegible]

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project:	KAFB Stage 2B
Borehole/Well No:	SF-201-03
Job No:	2AS6
Logged By:	J. Pavletich
Edited By:	JP
Project Manager:	K. Walker
Drill Rig:	Geoprobe
Drilling Contractor:	EIES
Driller/Helper:	B. Wolfe / M. CHRISTIAN
Drilling Method:	Geoprobe Construction Method Code - (V) (driven), HA = Hand Augered
Sample Method:	LARGE - BORE SAMPLER
Hammer Weight/Drop:	NA
Borehole Diameter:	1.375"
Started, Time:	1020
Date:	4-13-94
Completed, Time:	1100
Date:	4-13-94
Water Depth BG/HNU	4.5 / 0
Boring/Casing Depth	30-50 ppm
Time	1022
Date	4-13-94

Notes: 6-11

BACKGROUND γ = 9 µR/HR

Total Depth:	13 FT
Casing Depth:	
Screened Interval:	
Sand Pack, #3:	#0:
Well Development Method:	
Time:	Date: Flow Rate:
Geophysical Logs, Type:	
By:	Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses	Lithology Code	Depth in Feet
								SP FN	0–2.5
								SP SM	2.5–5
			12	11	G				5–6
KAFB SF201-03 0608			24	22	G	BKG / 10 ppm	SVOC TPH VOC METALS Hg pH	SM / SM / ABUT	6–8
								SM FN	8–10

LITHOLOGIC DESCRIPTIONS

LAWN AT SURFACE

SAND (SP) BROWN (7.5YR 4/6) DRY, LOOSE-MED. DENSE MED-HIGH EST IK. FG ANG SAND, 15-20% VFG, 1-2% MG ABUNDANT ORGANIC MATTER

4.25' SILTY SAND (SM) BROWN (7.5YR 5/4) MOIST, MED. DENSE MOD. EST IR, VFG-FG ANG SAND 15-20% SILT 1-5% MG-CG ANG PEBBLES TO 7mm Φ STAINED W/ CALICHE THROUGHOUT

7' SILTY SAND (SM) BROWN (7.5YR 4/6) MOIST MED. DENSE LOW-MOD. EST IK, VFG-FG ANG SAND, 15% SILT, 5-10% MG-CG. AROUND. ANG PEBBLES TO 4mm Φ at 8'

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2AS6

Borehole/Well No.: ST-201-03

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/PID	Analysis		Lithology Code		Depth (ft)	Recovery	Contact
		↓	12	8	5				SP/SW ↓		11		?
KAFB-ST201-03 11/13		↓	24	22	5	BG(5)/0 PID: 20-60cpm			↓		12		
											13		☆

Depth scale (ft): 11, 12, 13, 4, 5, 6, 7, 8, 9, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 0

9'? SAND (SP) RED BROWN (5YR 5/8) MOIST, MED. DENSE

MOD. FIRM IR. VFG-FG ANG. SAND 5-10% SILT 1-2% MG-CG

OCCAS. ANG. PEBBLES TO 5mmØ

11-13' SAME AS AT 10'-11 EXCEPT COLOR (7.5YR 5/6)

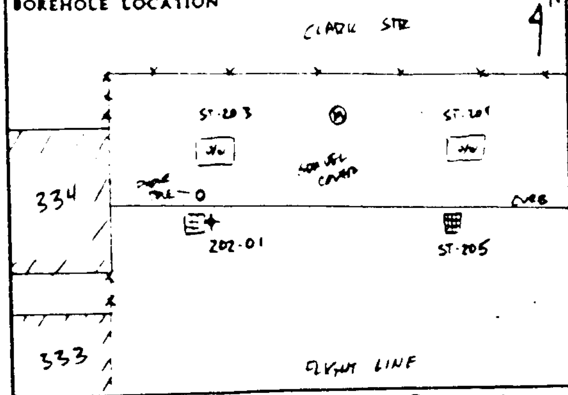
PROFESSIONAL GEOLOGIST
JOSEPH P. PAVLETICH
PG-1990
WYOMING

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG

Project:	KAFB Stage 2B
Borehole/Well No:	ST-202-01
Job No:	2A56
Logged By:	J. Pavletich
Edited By:	JP
Project Manager:	K. Walker
Drill Rig:	Geoprobe
Drilling Contractor:	BARE
Driller/Helper:	B. Wolfe / M. CHRISTMAN
Drilling Method:	Geoprobe — Construction Method Code ✓ V (driven), HA = Hand Augered
Sample Method:	LARGE BORE SAMPLER
Hammer Weight/Drop:	NA
Borehole Diameter:	1.375"
Started, Time:	1215 — Date: 4-11-94
Completed, Time:	1330 — Date: 4-11-94

BOREHOLE LOCATION



Notes: SAMPLED IN AREA OF CRACKED CONCRETE, JUST TO EAST OF SEDIMENT TRAP

7'12'

~~Water Depth~~ HNU	0.2ppm			
~~Boring/Casing Depth~~ R-Z	BKGRND 11 HRS			
Time	1220			
Date	4-11-94			

Total Depth:	14 FT
Casing Depth:	
Screened Interval:	
Sand Pack, #3:	#0:
Well Development Method:	
Time:	Date: — Flow Rate:
Geophysical Logs, Type:	
By:	Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses		Lithology Code	Depth In Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
									SM	0–1			SURFACE, CONCRETE ABOUT 6" THICK SILTY SAND (SM) DARK BROWN (7.5YR 3/4) DAMP, V. LOOSE, LOW-MOD EST K, FG-MG ANG SAND, 15% SILT, 20% VFG, 2-5% CG.
									SM	4–5		?	SILTY SAND (SM) TAN (7.5YR 5/6) MOIST. MED. DENSE LOW-MOD. EST K. VFG-FG ANG SAND. 15-20% SILT 2-5% MG.-CG. MOTTLED & STAINED W/ CALICHE
			12	6	6					5–6			
KAFB-ST202-01 07.0						0ppm B-Z: 100-140 cm P: 8 mV/HE	SVOC / VOC / METALS	DRO / GRO / Hg pB	SILT MOIST	8–10			SANDY SILT (ML) BROWN (7.5YR 5/6) MOIST MED STIFF LOW EST K, 20% VFG ANG SAND RARE ANG CG SAND GRAINS RARE CALICHE FLECKS TO 5mm Ø

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56

Borehole/Well No.: ST-202-01

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recv'd	Sample Cond.	Analysis	Lithology Code	Depth (ft)	Recovery	Contact
KAFB-ST202-01 12/14			24	20	G	SVOC VOC METALS	STFN MOIST	11 12 13 14 15 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0		

SAND (SP) BROWN (10YR 5/6) MOIST, MOD DENSE MOD. SORT PK. VFG-FG ANG. SAND, 10% SLT

COMMON ANG. PEBBLES TO 5 mm Ø AT 14 FT.

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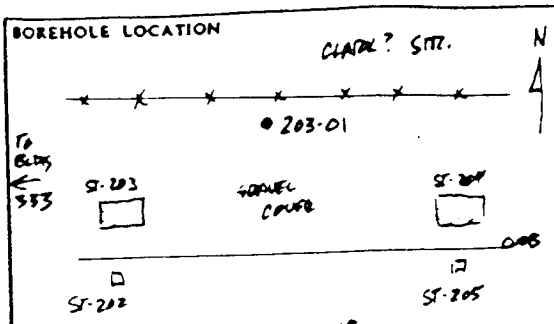
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: SS-203-01
	Job No: 2A56
Logged By: J. Pavletich	Edited By: JP
Project Manager: K. Walker	Drill Rig: Geoprobe
Drilling Contractor: B&RE	
Driller/Helper: B. Wolfe / M. CHRISTIAN	
Drilling Method: Geoprobe Construction Method Code = D (driven), HA = Hand Augered	
Sample Method: LARGE-BORE SAMPLER	
Hammer Weight/Drop: NA	Borehole Diameter: 1.375"
Started, Time: 1330	Date: 4-7-94
Completed, Time: 1620	Date: 4-7-94

Notes: 6', 11' R

ONA NOT OPERATED ON THIS HOLE

Water Depth HNU	Open					
Boring/Casing Depth	15ft/NR 30 Casing					
Time	1348					
Date	4-7-94					

Total Depth: 15FT — Casing Depth:

Screened Interval:

Sand Pack, #3: — #0:

Well Development Method:

Time: — Date: — Flow Rate:

Geophysical Logs, Type:

By: — Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/PID Reading	Analyses	Lithology Code	Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
								SOIL				ANG GRAVEL TO 25mm ϕ ON SURFACE
									1			SILTY SAND (SM) DARK BROWN (10YR 3/6) MOIST, MED DENSE LOW-MOD
												EST 1% VF-FG ANG. SAND 15% SILT, 5-10% MG-CG SAND
									2			
									3			
									4			
								SOIL				
			12	10	4	0 ppm/— 0.0 Benzene BH/NR			5			SILTY SAND (SM) BROWN (10YR 4/6) MOIST. MED. DENSE. LOW
												EST 1% VF-FG ANG. SAND, 1-2% MG-CG. TRACE ANG PEBBLES TO
									6			4mm ϕ NODULES WITH CALICHE
KAFB-SS-203-01 0008								SOIL				SILTY SAND (SM) YELLOW-BROWN (10YR 4/6) MED. DENSE
								GW?	7			LOW EST 1% VF-FG ANG SAND. 1% MG-CG SAND OCCAS
								SOIL				SUB ANG. PEBBLES TO 5mm
									8			CHANGE GRAVEL AT ABOUT 1/2-1 1/2 FT. SUBANG. PEBBLES
												TO 12mm ϕ DENSE
			18	18	4	0 ppm/— BZ: 0.0 BH/NR		SOIL	9			
									10			

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56

Borehole / Well No.: SS-2003-01

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/PID	Analysis		Lithology Code	Depth (ft)	Recovery	Contact
KAFB-SS203-01-11			24	22	6	dark	SVOC	TPHD	SSTH	12		
KAFB-SS203-01-11							SVOC	DRO-R				
							METALS	Hg PA	MOIST.			
KAFB-SS203-01-11			24	22	6	Organic	METALS	Hg PA	MOIST	14		
							VOC	GRO	SSTH			
							VOC	GRO		15	TP	

SILTY SAND (SM) YELLOW BROWN (10YR 6/4) MOIST MED DENSE

100% MOD. EST IR, VFG-FG ANG. SAND. 15-20% SILT, 2-3% SUBANG

MG-CG SAND. OCCAS ANG PEBBLES TO 5mm

GRADE TO 10mm in size

SILTY SAND (SM) YELLOW BROWN (10YR 5/6) MOIST. MED DENSE

100% EST IR, VFG-FG ANG. SAND 15% SILT, 5-10% SUBANG PEBBLES TO 5mm

SILTY SAND (SM) BROWN (10YR 5/6) MOIST, LOOSE-MED DENSE.

100% EST IR, VFG-FG ANG SAND, 20% SILT, 2-5% MG-CG [illegible]

BOTTOM OF HOLE

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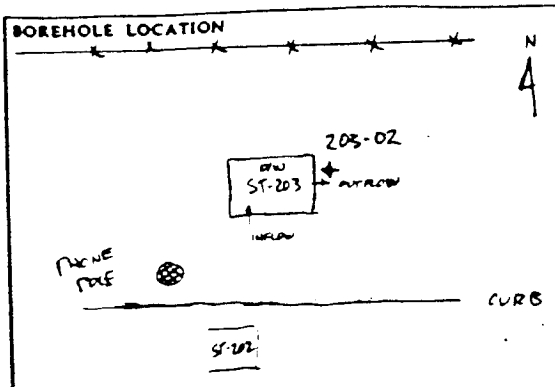
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: ST-203-02
	Job No: 2A56
Logged By: J. Pavletich	Edited By: JP
Project Manager: K. Walker	Drill Rig: Geoprobe
Drilling Contractor: BRE	
Driller/Helper: B. Wolfe / M. CHANSDAN	
Drilling Method: Geoprobe Construction Method Code = V (driven), HA = Hand Augered	
Sample Method: LARGE-BORE SAMPLER	
Hammer Weight/Drop: NA	Borehole Diameter: 1.375"
Started, Time: 1335	Date: 4-11-94
Completed, Time: 1424	Date: 4-11-94

Notes: 6', 11'

BACKGROUND ppm = 0 ppm/HNU

Water Depth HNU	0ppm					
Boring/Casing Depth ft	30-60					
Time	1332					
Date	4-11-94					

Total Depth: 13 FT Casing Depth:

Screened Interval:

Sand Pack, #3: #0:

Well Development Method:

Time: Date: Flow Rate:

Geophysical Logs Type:

By: Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/PID Reading	Analysis		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact
									SOIL		1		
											2		
											3		
											4		?
			24	9	4				SOIL		5		
KAFB-ST-203-02 04/08			24	22	6	OFFSET 8-7'=40-60ppm	SOIL	MOD	SOIL		6		
							VOC	HCO	SOIL		7		?
							ORGANIC	MOIST	SOIL	MOIST	8		
											9		?
									SOIL		10		

LITHOLOGIC DESCRIPTIONS

GRAVEL AT SURFACE

SILTY SAND (SM) BROWN (10YR 4/4) MOIST, MED DENSE. LOW EST 1K. VFG-FG ANG. SAND, 15-20% SILT, 2-10% MG-CG.

SILTY SAND (SM) BROWN (7.5YR 4/6) MOIST. MED. DENSE LOW EST 1K. VFG-FG ANG. SAND. 20-25% SILT 2-5% MG-CG SAND, MOTTLED W/ CARBONS

SAND (SP) BROWN (7.5YR 5/6) MOIST MED DENSE. LOW EST 1K. VFG ANG. SAND, 15-20% SILT. 1-2% FG ANG.

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56

Borehole/Well No.: ST-203-02

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/PID	Analysis		Lithology Code		Depth (ft)
KAFB-ST-203-02 11/13			24	22	VG	0 ppm 8-7-40-00 ppm	SVOC VOC METALS Hg pH	200 600 400	SDSL / SDSL		11–13

SAND (SP) BROWN (7.5YR 5/D) MOIST, MED. DENSE MED EST FG ANG. SAND 5% SILT 10% VFG 2-5% MG. RARE ANG. PEBBLES TO 5mm φ

SILTY SAND (SM) DARK BROWN (7.5YR 4/6) MOIST. DENSE LOW EST. IR, VFG-FG ANG. SAND. 15% SILT, 5-15% MG-CG. MOTTLED WITH CALICHE

T.D.

SILTY SAND (SM) BROWN (7.5YR 5/6) MOIST MED. DENSE LOW EST. IR, VFG-FG ANG. SAND 15-20% SILT. 5-10% MG-CG. LARGE CALICHE NODULE (25mm φ) AT 13'

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Depth scale: 11, 12, 13, 14, 5, 6, 7, 8, 9, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 0

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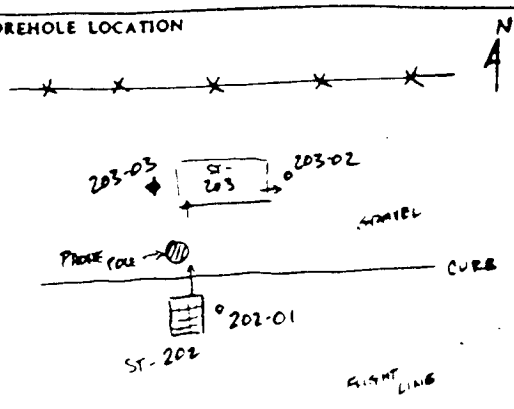
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: ST-203-03
	Job No: 2A56
Logged By: J. Pavletich	Edited By: JP
Project Manager: K. Walker	Drill Rig: Geoprobe
Drilling Contractor:	
Driller/Helper: B. Wolfe / M. CHRISTIAN	
Drilling Method: Geoprobe Construction Method Code = D (driven), HA = Hand Augered	
Sample Method: LARGE BORE SAMPLER	
Hammer Weight/Drop: NA	Borehole Diameter: 1.375'
Started, Time: 1430	Date: 4-11-94
Completed, Time: 1520	Date: 4-11-94

Notes: 6'-4' NEAR INFLOW TO O/W SET (AS CLOSE AS WE COULD GET DUE TO UTILITIES)

Water Depth ANU	DRY					
Boring/Casing Depth	40-80cm					
Time	1430					
Date	4/11/94					

Total Depth: 13 FT Casing Depth:

Screened Interval:

Sand Pack, #3: #0:

Well Development Method:

Time: Date: Flow Rate:

Geophysical Logs, Type:

By: Date:

Sample ID	Sampler Type / Depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	PID/FID Reading	Analyses		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
														GRAVEL AT SURFACE
									SM		1			SILTY SAND (SM) BROWN (10YR 4/4) MOIST MED. DENSE
														LOW EST IL VFG-MG ANG. SAND 15-20% SILT 1-2% CG
											2			
											3			
											4		?	
									SW/SM					SAND (SW) MOTTLED BROWN W/TAN & WHITE (7.5YR 4/6) MOIST MED DENSE
											5			LOW EST IL, VFG-MG SAND. 5-10% SILT, 5% MG. 5% CG. RARE
			12	B	G	DRY								CALICHE NODULES TO 20mm ϕ
KAFB ST203-03 0710											6			
			36	22	VG				SP/SM		7		?	SAND (SP) LT. BROWN (7.5YR 5/6) MOIST. MED DENSE MOD EST IL
														VFG-FG ANG SAND <5% SILT <5% MG-CG.
						0ppm	SOIL	1020			8			
						0-2' 0-10 ppm	VOA	GRAB	SM/ML		9			1' SANDY SILT (ML) BROWN (7.5YR 4/6) MOIST MED DENSE MOD
														EST IL 15% VFG-FG ANG SAND 5-5% MG-CG. RARE ANG. PEBBLES
											10			TO 8mm ϕ

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BORHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56

Borehole/Well No.: ST-203-03

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/PID	Analysis		Lithology Code		Depth (ft)	Recovery	Contact	
									↓ 50%		11		?	
KAFB-ST203-03 11-13		↓	24	22	6	0 ppm B.Z. = 40 ppm	SVOC	8270			12		?	
							VOC	8260						SILTY SAND (SM) BROWN (7.5YR 4/6) MOIST, MED DENSE [illegible]
							METALS	Ag pH	MOIST		13		T.D.	VFG ANG. SAND. 15-20% SILT, 5-10% ML CA., WEATHERED
														BIOTITE COMMON. LARGE CALICHE NODULE (25mm Ø AT 13')
											4			
											5			
											6			
											7			
											8			
											9			
											0			
											1			
											2			
											3			
											4			
											5			
											6			
											7			
											8			
											9			
											0			

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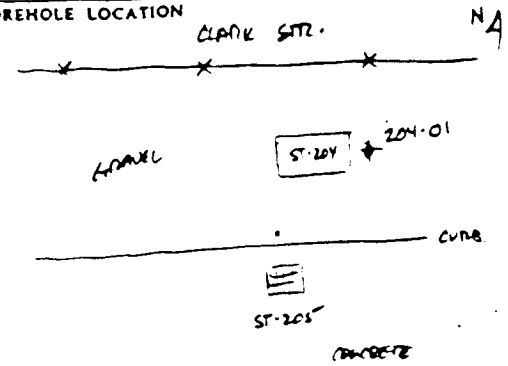
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: SS-204-01
	Job No: 2A56
Logged By: J. Pavletich	Edited By: JP
Project Manager: K. Walker	Drill Rig: Geoprobe
Drilling Contractor: R & R E	
Driller/Helper: B. Wolfe / M. CHRISTIAN	
Drilling Method: Geoprobe Construction Method Code: DV (Driven), HA = Hand Augered	
Sample Method: LARGE-BORE SAMPLER	
Hammer Weight/Drop: NA	Borehole Diameter: 1.375"
Started, Time: 0910	Date: 4-12-94
Completed, Time: 1040	Date: 4-12-94

Notes: 6.11

BACKGROUND 8 = 12 uR/HR

Water Depth HNU	0				
Boring/Casing Depth	50-60 cm				
Time	0915				
Date	4-12-94				

Total Depth: 15 FT — Casing Depth:

Screened Interval:

Sand Pack, #3: — #0:

Well Development Method:

Time: — Date: — Flow Rate:

Geophysical Logs, Type:

By: — Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/PID Reading	Analyses		Lithology Code	Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
									SDSL				GRADE AT SURFACE SILTY SAND (SM) BROWN (7.5YR 3/4) MOIST, MED. DENSE LOW- MED. PLAST. IR, VFG-FG ANG SAND, 15% SILT, 2-10% MG-CG. ABUNDANT WEATHERED BIOTITE. OCCAS. SUBROUND PEBBLES TO 4mm ϕ.
										1			
										2			
										3			
										4		?	
									SDFN				4' ? SAND (SP) BROWN (7.5YR 5/6) MOIST MED. DENSE MOD
			12	10	G					5			EST. IR, FG ANG. SAND, 5-10% SILT, 10-15% VFG. 1-2% MG-CG
													MOTTLED WITH CALICHE, RARE PEBBLES TO 15mm ϕ, 2mm THICK
			14	22	G	Open 11 ppm	SMC	DDD	SDSL	6			ORGANIC LAYER AT 5.25' OCCAS. SUBANG. PEBBLES TO 5mm ϕ
KAB-SS204-01 0600						0-2' 30 ppm	VMC	GRD					6' SILTY SAND (SM) BROWN (7.5YR 5/6) MOIST MED. DENSE
						2-4' 30 ppm	MEDIUM	Hi pH	MOIST	7			LOW EST IR, VFG-FG ANG. SAND, 25-35% SILT, 2-3% MG-CG
													SAND. OCCAS. ANG PEBBLES TO 5mm ϕ CALICHE BLEBS AND PATCHES
			24	22	G					8			TO 5mm ϕ
													8'-10' SAME AS AT 6', INCREASING AMOUNTS OF WEATHERED
										9			BIOTITE. OCCAS. CALICHE PATCHES TO 20mm ϕ
										10			

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2AS6

Borehole/Well No.: ST-204-01

Notes:

Sample ID	Sampler Type	Blows / 6 inch	Inches Driven	Inches Recv'd	Sample Cond.	HNu/PID	Analysis		Lithology Code	Depth (ft)	Recovery	Contact
									SSH			
			24	22	G	0 ppm	SVOC	DRO		11		
							SVOC	DRO	R			
KAFB-ST204-01-11 KAFB-ST204-MW-11						A-3: 20-100 ppm	METALS	Hg FM	WAXY	12		
			24	22	G	0 ppm						
							WAXY	Hg FM	WAXY	13		
						A-3: 20-100 ppm	VOC	KRO				
							VOC	KRO	R	14		
										15		TD

10' SILTY SAND (SM) BROWN (7.5YR 4/6) MOIST, MED. DENSE LOW EST IK, VFG, ANG SAND, 20-30% SILT 5-10% MA. COARSE FRAC TO 3mm Ø.

12.5 SAND (SP) LT BROWN (2.5YR 5/8) MOIST, MED DENSE MOD EST IK, VFG-FG ANG. SAND, 5% SILT, 2-3% MG-CG. ORGS ANG. FIBERS TO 4mm Ø

14' SAND (SW) LT BROWN (7.5 YR 4/6) MOIST MED DENSE LOW EST IK, FG ANG SANDS. 5-10% SILT, 10-15% VFG. 5% MG-CG. ABUNDANT WEATHERED BIOTITE

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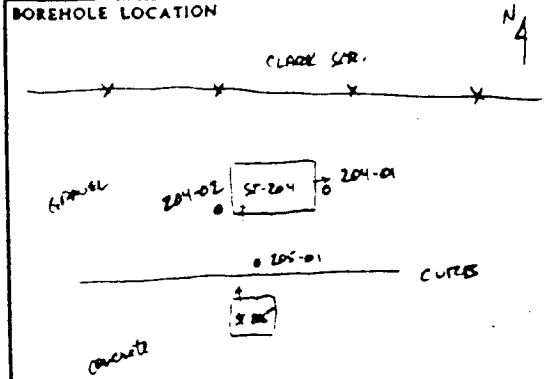
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: SS-204-02
	Job No: 2A56
Logged By: J. Pavletich	Edited By: JP
Project Manager: K. Walker	Drill Rig: Geoprobe
Drilling Contractor: B & E	
Driller/Helper: B. Wolfe / M. CHRISTIAN	
Drilling Method: Geoprobe Construction Method Code = V (driven), HA = Hand Augered	
Sample Method: LARGE BORE SAMPLER	
Hammer Weight/Drop: NA	Borehole Diameter: 1.375"
Started, Time: 1110	Date: 4-12-94
Completed, Time: 1215	Date: 4-12-94

Notes:

7-12 mR/hr BACKGROUNDS

Water Depth ~~HNU~~	0 ppm					
Boring/Casing Depth	20-80 ppm					
Time	1185					
Date	4-12-94					

Total Depth: 13 FT | Casing Depth:

Screened Interval:

Sand Pack, #3: #0:

Well Development Method:

Time: Date: Flow Rate:

Geophysical Logs, Type:

By: Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/PID Reading	Analyses		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact
									SOIL		0		
											1		
											2		
											3		
											4		?
									SAND		5		
KAFB-SS204-02-0410 MS/MSD			12	8	4	0 ppm 2-9 ppm					6		
KAFB-SS204-02-0406			24	22	6	2-9 ppm 2-9 ppm	SVOC	PEST	SAND		7		
							METALS	Hg PH	MOIST				
			24	24	6		METALS	Hg PH	MOIST - MS/MSD		8		
						2-4 ppm 2-4 ppm	VOC	GRO			9		
							VOC	GRO	MS/MSD		10		

LITHOLOGIC DESCRIPTIONS

GRAVEL AT SURFACE
SILTY SAND (SM) BROWN (7.5YR 3/4) MOIST, MED DENSE
LOW-MOD. EST IR, VFG-FG ANG. SAND 15-20% SILT, 5-10% MG-CG SAND ABUNDANT WEATHERED BIOTITE OCCAS. SUBRND PEBBLES TO 5mm ϕ

4? SAND (SP) BROWN (7.5YR 5/6) MOIST MED. DENSE MOD EST IR FG ANG. SAND, 5-10% SILT, 10% VFG, 2-3% MG-CG MOTTLED WITH CALICHE, OCCAS. CALICHE NODULES TO 10mm ϕ ORGANIC LAYER (WOOD) at ABOUT 5.5 FT.

6.5' SILTY SAND (SM) LT BROWN (7.5YR 5/4) MOIST, MED. DENSE LOW-MOD EST IR, VFG-FG ANG SAND, 15% SILT, 2-3% MG-CG. MOTTLED WITH CALICHE 6.5-7.5 FT. METAL MARKER IN 6-6.5 SLEEVE

8-10' SAME AS AT 6.5', WELL CEMENTED (FeO & $CaCO_3$) VARIATION 3mm THICK at about 8.25'.

ABUNDANT BIOTITE AND BLACK SEDIMENTS (ORGANICS?) AT 10'

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56

Borehole/Well No.: ST-204-02

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/PID	Analysis		Lithology Code		Depth (ft)	Recovery	Contact	Notes:
											11			
KAFB-ST204-02 11/13		↓	24	22	G	Pr lamp 10.2 ev B.Z= 40 BG= 0 ppm	SVR / VOC / METALS	TPO / GRO / Hg FA	SM / MOIST		12			11.5' SILTY SAND (SM) BROWN (7.5YR 4/6) MOIST, DENSE, LOW EST IC, VFG-FG ANG SAND, 15% SILT, 5% HG ANG PEBBLES TO 5mm @ COMMON AT 13'
											13		TD.	
											4			
											5			
											6			
											7			
											8			
											9			
											0			
											1			
											2			
											3			
											4			
											5			
											6			
											7			
											8			
											9			
											0			

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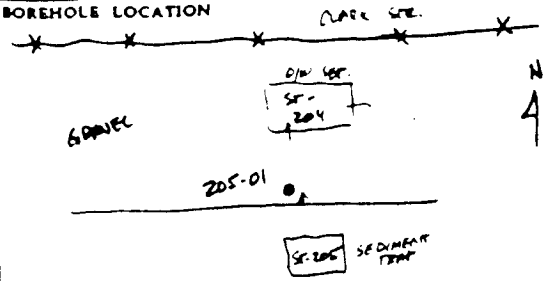
Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: ST-205-01
	Job No: 2A56
Logged By: J. Pavlotich	Edited By: JP
Project Manager: K. Walter	Drill Rig: Geoprobe
Drilling Contractor: B & E	
Driller/Helper: B. Wolfe / M. CHRISTIAN	
Drilling Method: Geoprobe Construction Method Code: V (driven), HA = Hand Augered	
Sample Method: LARGE BORE SAMPLER	
Hammer Weight/Drop: N.A.	Borehole Diameter: 1.25'
Started, Time: 1525	Date: 4-11-94
Completed, Time: 1640	Date: 4-11-94

Notes: 7', 17'

BACKGROUND B = 12 ppm/HQ

Water Depth ANU	0 ppm					
~~Boring~~/Casing Depth	20-80 ppm					
Time	1536					
Date	4-11-94					

Total Depth: 14 FT — Casing Depth:

Screened Interval:

Sand Pack, #3: — #0:

Well Development Method:

Time: — Date: — Flow Rate:

Geophysical Logs Type:

By: — Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/PID Reading	Analysis		Lithology Code	Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
									SAND				GRAVEL AT SURFACE
										1			SILTY SAND (SM) BROWN (7.5YR 5/6) MOIST. MED. DENSE
													LOW-MED EST IR. VFG-FG ANG. SANDS 15% SILT 5-10% MG, CG.
										2			
										3			
										4			
										5		?	NOTE: DRILLER OVERSHOT LITHOLOGY SAMPLE DEPTH OF 5-6 FT.
									SAND				5' SILTY SAND (SM) MOTTLED BROWN (7.5YR 5/6) MOIST MED.
			12	12	6					6			DENSE LOW EST. IR, VFG-FG ANG. SAND 20-25% SILT. 2-5% MG-CG. RARE ANG PEBBLES TO 5mm ϕ MOTTLES W/ CALICHE.
KAFB-ST205-01 07/07			24	22	6	0 ppm 8.9-20 ppm	SVOC	PCB		7			
							VOC	GRO	SAND	8			7.5' SILTY SAND (SM) BROWN (7.5YR 4/6) MOIST. MED DENSE LOW
							METALS	PAH		9			EST IR. VFG-FG ANG. SANDS 25-35% SILT 5-10% MG 1-2% CG
			24	22	6					10			RARE SUBROUND PEBBLES TO 5mm ϕ

Project / Job No.: KAFB 2B 2AS6

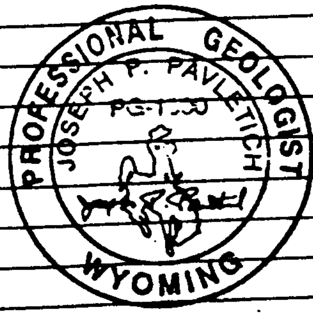
Borehole/Well No.: ST-205-01

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/PID	Analysis		Lithology Code		Depth (ft)	Recovery	Contact
		↓							↓		11		
									SD/SL		12		
KAFB-ST205-01 12/14		↓	24	22	G	0 ppm / 1-3 ppm BZ / 100 scfm	SVOC VOC METALS	DRO GRO Hg pH	↓ MOIST	SD/F-SD/SL	13		
											14		

Notes:

11.75' SILTY SAND (SM) DRK RED-BROWN (2.5YR 4/6) MOIST, MED DENSE, LOW EST IL, VFG ANG SAND, 30-35% SILT, 2-3% MG OCCAS. SUBANG. PEBBLES TO 7mm ϕ @ 11.75' 5-10% CG. CALICHE NODULE TO 20mm ϕ at 11'

13' SAND (SW) DRK BROWN (7.5YR 4/6) MOIST, MED DENSE, LOW EST IL, VFG-FG ANG SAND. 10% SILT, 10% MG, 5% CG ANGULAR WEATHERED BIOTITE. ANG. PEBBLES TO 5mm ϕ COMMON



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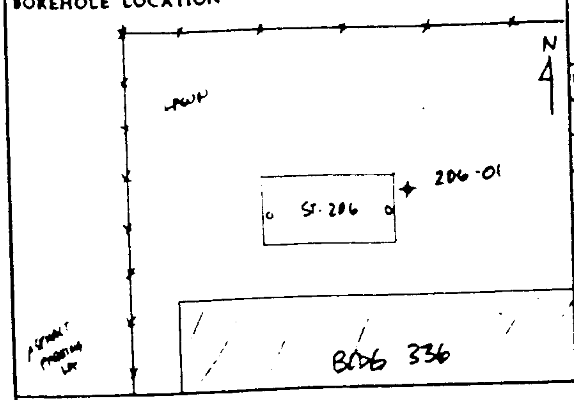
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project	KAFB Stage 2B
Borehole/Well No:	ST-206-01
Job No:	2A56
Logged By:	J. Pavlovich
Edited By:	JP
Project Manager:	K. Walker
Drill Rig:	Geoprobe
Drilling Contractor:	BEE
Driller/Helper:	B. Wolfe / M CHRISTIAN
Drilling Method:	Geoprobe Construction Method Code: V (driven), HA = Hand Augered
Sample Method:	LARGE - BORE SAMPLER
Hammer Weight/Drop:	NA
Borehole Diameter:	1.375"
Started, Time:	0945 Date: 4-7-94
Completed, Time:	1100 Date: 4-7-94

~~Water Depth~~ HNU	0 ppm				
~~Boring/Casing Depth~~ B-Z	40-80 cpm				
Time	9:54				
Date	4-7-94				

Notes:
BZ BACKGROUND = 40-80 CPM

Total Depth:	16 FT
Casing Depth:	
Screened Interval:	
Sand Pack, #3:	#0:
Well Development Method:	
Time:	Date: Flow Rate:
Geophysical Logs, Type:	
By:	Date:

Sample ID	Sampler Type / depth	Blows / 6 inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses	Lithology Code	Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
								SM	0–4			LAWN AT SURFACE SILTY SAND (SM) DARK BROWN (7.5YR 4/4) MOIST, LOOSE, LOW-MOD EST IK, VFG-FG. ANG. SAND, 1-2% CLAY, 15% SILT. 1-2% MG-CG SAND. ABUNDANT ORGANIC MATTER UPPER 3"
			18	12	G			SM	4–7.5		?	SILTY SAND (SM) LT. BROWN (7.5YR 6/3) MOIST, M DENSE LOW EST IK VFG-FG ANG. SAND. 15% SILT 2-3% MG-CG SAND MOTTLED W/ CALICHE. ASPHALT AT 6' (1" THICK) AND 6.5'; POSSIBLY BLOCKS IN BACKFILL
KAFB-ST206-01 08 10			24	18	F	0 ppm BZ: 60-100 cpm	SVOC, DRO, VOC, GRO, METALS, HCpH, PEST	SM	7.5–10			SILTY SAND (SM) LT. BROWN (7.5YR 6/3) MOIST, M. DENSE LOW EST IK. VFG. ANG. SAND. 20% SILT, 10% FG, 2-5% MG. PEBBLY MOTTLED W/ CALICHE. ONE PEBBLE 1.25" Ø IN SHOE AT 10'

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56

Borehole/Well No.: ST-206-01

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	FID/PID	Analysis	Lithology Code	Depth (ft)	Recovery	Contact	Notes
									11			
								SDVF SDFN	12		?	
									13			SAND (SP) BROWN (10YR 4/6) MOIST. MED. DENSE. LOW EST K VFG-FG ANG. SAND. 5-10% SILT, 2-3% MG-CG.
KAFB-ST206-01 13/16			36	22	G	0 ppm BZ= 110-80 cpm			14			SILTY SAND (SM) BROWN (7.5YR 5/3) MOIST MED. DENSE DENSE, LOW EST K, VFG-FG. ANG. SAND. 20-25% SILT, 2-3% MG-CG
								SDSL	15			RARE ANG PEBBLES TO 3mm ϕ.
									16			- MINOR ASPHALT AT 16' (½" LAYER)
									7			
									8			
									9			
									0			
									1			
									2			
									3			
									4			
									5			
									6			
									7			
									8			
									9			
									0			

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[illegible]

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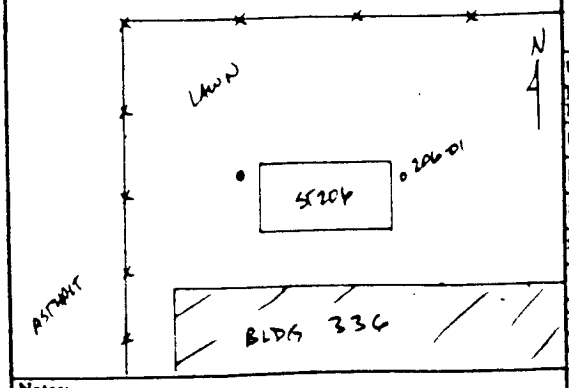
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: SB-206-02
	Job No: 2A56
Logged By: J. Pavletich	Edited By: JP
Project Manager: K. Walker	Drill Rig: Geoprobe
Drilling Contractor: BEE	
Driller/Helper: B. Wolfe / M. Chastain	
Drilling Method: Geoprobe Construction Method Code = V (driven), HA = Hand Augered	
Sample Method: 4" DIA. BORE CAMPLER	
Hammer Weight/Drop: N.A.	Borehole Diameter: 3.25"
Started, Time: 1100	Date: 4-7-94
Completed, Time: 1200	Date: 4-7-94

Notes:

BACKGROUND = 9 MR/HR

Water Depth	NDD	0 FBGS				
~~Boring/Casing~~ Depth	60	60 FBGS				
Time		1107				
Date		04-08-94				

Total Depth: 16 FT — Casing Depth:

Screened Interval:

Sand Pack, #3: — #0:

Well Development Method:

Time: — Date: — Flow Rate:

Geophysical Logs Type:

By: — Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/PID Reading	Analysis		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
														LAWN AT SURFACE
														SILTY SAND (SM) DK BROWN (7.5YR 4/4) MOIST, LOOSE
											1			LOW-MOD EST IK, VFG-FG ANG SAND 1-2% CLAY, 15% SILT
														1-5% ANG-CG. SUBRND PEBBLES TO 3-5mm ϕ ABUNDANT
											2			ORG. MATTER EVIDENT
											3			
											4			
											5			SILTY SAND (SM) BROWN (10YR 5/4) MOIST MED. DENSE. LOW EST IK
			18	12	6						6			FG ANG SAND 20% SILT, 20% VFG, F-2% ANG-CG SAND.
														CALCITE BLEBS TO 3mm ϕ.
											7			
											8			
SB206-02			36	18	6						9			
0811						0 ppm					10			

132 - 40-80 cm

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56

Borehole/Well No.: ST 206-02

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Rec'd	Sample Cond.	PID/FID	Analysis		Lithology Code	Depth (ft)	Recovery	Contact	
									SPHT	11			SAND (SP) BROWN (10YR 4/4) MOIST MED. DENSE LOW EST IK
													VFG. FG. ANG. SAND. 5-10% CAT. 1-2% MG-CG CALCAR PEBBS
										12			TD 3mm ϕ
										13			
			36	22	6				SPHT				
KAFB-ST206-02 1316						0ppm	SVOC	DRO		14			
						15-40=BGWM	VOC	GRO		15			SAND (SP) BROWN (10YR 5/6) MOIST, MED DENSE LOW EST IK,
							METALS	Hg PB	SHALT	16			VFG. ANG. SAND, 10% SILT 1-2% FG-MG CALCITE PEBBS TO 5mm ϕ
										7			
										8			
										9			
										0			
										1			
										2			
										3			
										4			
										5			
										6			
										7			
										8			
										9			
										0			

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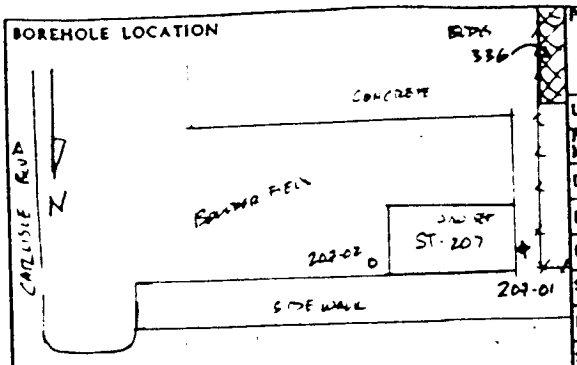
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Notes: B 3

Project	KAFB Stage 2B
Borehole/Well No:	ST-207-01
Job No:	2A56
Logged By: J. Pavletich	Edited By: JP
Project Manager: K. Walker	Drill Rig: Geoprobe
Drilling Contractor: B&E	
Driller/Helper: B. Wolfe / M. CHRISTMAS	
Drilling Method: Geoprobe Construction Method Code = D(driven), HA = Hand Augered	
Sample Method: 1 MTRS BARE CARBTEEL	
Hammer Weight/Drop: N.A.	Borehole Diameter: 1.375"
Started, Time: 1445	Date: 4-5-94
Completed, Time: 1635	Date: 4-5-94

Water Depth HNU	0					
Boring/Casing Depth	60-100 cpm					
Time	1614					
Date	04-05-94					

Total Depth: 5 FT — Casing Depth:

Screened Interval:

Sand Pack, #3: — #0:

Well Development Method:

Time: — Date: — Flow Rate:

Geophysical Logs Type:

By: — Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	FIN/PID Reading	Analyses		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
									SDL					0-1' CONCRETE & RUBBLE
											1			SILTY SAND (SM) BROWN (7.5 YR 4/6) MOIST, MED DENSE
			6	3	6									LOW EST IK, VFG-FG ANG SAND. 20% SLT, 5-10% MG-CG QTZAS
											2			SUB ANG - SUB RND PEBBLES TO 15mm ϕ
											3			
											4			
									SDFN					
			18	14	6						5			SAND (SP) TAN-BROWN (7.5YR 6/3) MOIST, MED. DENSE
														LOW EST IK, FG ANG SAND 5-10% VFG 2-5% MG-CG.
											6			MOTTLED W/ CALICHE OCCAS. ANG. PEBBLES TO 10mm
											7			
									SDAN					
KAFB-ST207-01 0800			24	22	6	01 (5'-7.60-100cpm)	SVOC	TPH			8			SILTY SAND (SM) (10YR 5/3) MOIST, MED DENSE LOW EST IK.
							VOC	GRO			9			VFG ANG. SAND, 20-25% SLT, 10-15% FG, 2-5% MG-CG.
							METALS	Hg Pest	MOIST,		10			

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56

Borehole/Well No.: ST-207-01

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/PID	Analysis		Lithology Code		Depth (ft)	Recovery	Contact	Notes:
									↓		11			
									SDVF-SDFN		12		?	
KAFB-ST207-01 1315		↓	24	22	G	0 BZ-0.40 PPM	SVOC VOC METALS	DRO GRO pH	MOIST.		13			SAND (SP) BROWN (10YR 5/4) MOIST, MED. DENSE. LOW-MED EST IK VFG-FG ANG. SAND <10% SILT 1-2% ANG-CG SAND RARE ANG. PEBBLES TD 5000?
											14			
											15			
											6			
											7			
											8			
											9			
											0			
											1			
											2			
											3			
											4			
											5			
											6			
											7			
											8			
											9			
											0			

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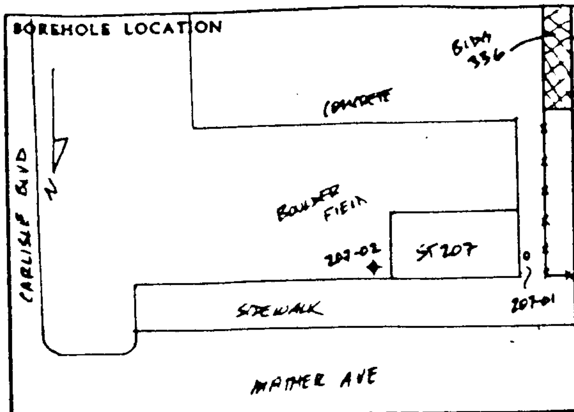
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project:	KAFB Stage 2B
Borehole/Well No:	ST-207-02
Job No:	2A56
Logged By:	J. Pavletich
Edited By:	JP
Project Manager:	K. Walter
Drill Rig:	Geoprobe
Drilling Contractor:	BCRE
Driller/Helper:	B. Wolfe / M CHRISTIAN
Drilling Method:	Geoprobe — Construction Method Code = V (driven), HA = Hand Augered
Sample Method:	LARGE-BORE SAMPLER
Hammer Weight/Drop:	NA
Borehole Diameter:	1.375"
Started, Time:	1000 — Date: 04-06-94
Completed, Time:	1100 — Date: 04-06-94

~~Water Depth~~ HNU	0					
Boring/~~Casing~~ BZ Depth	20-80					
Time	1005					
Date	04-06-94					

Notes:

BACKGROUND γ = 19 µR/HR

Total Depth:	15 FT
Casing Depth:	
Screened Interval:	
Sand Pack, #3:	#0:
Well Development Method:	
Time:	Date: — Flow Rate:
Geophysical Logs, Type:	
By:	Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses		Lithology Code	Depth In Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
									SDVF-SDFN	0			BOULDERS AT SURFACE UNDERLAIN BY PLASTIC
										1			SAND (SP) DK BROWN (7.5YR 4/4) MOIST, MED DENSE, MOD EST 1K, VFG-FG ANG SAND, 5-10% SILT, 5-10% MG-CG. ~~FRAGMENTS TO 2mm ...~~
										2			
										3			
									SDSI	4		?	
			18	9	G					5		?	SILTY SAND (SM) BROWN (7.5YR 5/6) MOIST, MED DENSE LOW EST 1K, VFG-FG ANG. SAND, 20-30% SILT, 1-2% MG-CG. MOTTLED W/ CALICHE
										6			
									SDVF-SDFN	7			
KAFB-94207-02 08/10			24	21	G	0 BY: 160-400 ppm	SVOC VOC [illegible]	8260 8270 8/9 PA	MOIST	8			SAND (SP) YELLOW BROWN (10YR 5/4) MOIST MED DENSE MOD. EST 1K. VFG-FG ANG SAND. <1% SILT 1% MG-CG RARE SUBRND. PEBBLES TO 5mm Φ
										9			
										10			

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56

Borehole/Well No.: SI-209-02

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recv'd	Sample Cond.	PID/FID	Analysis		Lithology Code	
KAFB-SI209-02 13'-15'			24	22	G	0	SOIL	TPH		
						0.0 ppm	VOL	GRO		
							METHOD 8 PH MOISTURE			

Depth (ft): 11, 12, 13, 14, 15, 6, 7, 8, 9, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 0

Recovery

Contact: TD.

1345, SAME AS AT 870'; MINOR CALICHE PEBBLES TO 3mm Ø

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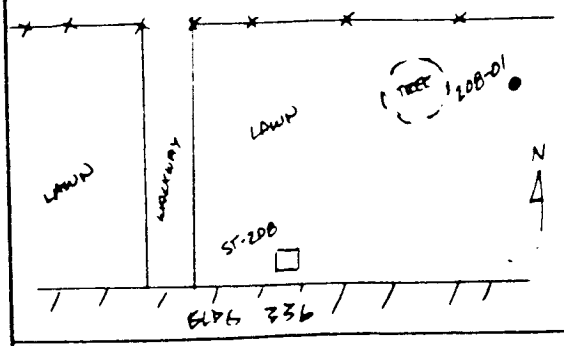
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Notes: B, 13

BACKGROUND 7 - 8 ppm/AR

Project: KAFB Stage 2B	Borehole/Well No: SS-208-01
	Job No: 2A56
Logged By: J. Pavletich	Edited By: JP
Project Manager: K. Walker	Drill Rig: Geoprobe
Drilling Contractor: BRE	
Driller/Helper: B. Wolfe / M. CHRISTIAN	
Drilling Method: Geoprobe Construction Method Code: DV (driven), HA = Hand Augered	
Sample Method: LARGE - BORE SAMPLER	
Hammer Weight/Drop: NA	Borehole Diameter: 1.375"
Started, Time: 1100	Date: 04-06-94
Completed, Time: 1219	Date: 04-06-94

~~Water~~ Depth HNU	0					
~~Boring/Casing~~ Depth GW	40-60cm					
Time	1100					
Date	4/6/94					

Total Depth: 17FT — Casing Depth:

Screened Interval:

Sand Pack, #3: — #0:

Well Development Method:

Time: — Date: — Flow Rate:

Geophysical Logs, Type:

By: — Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/PID Reading	Analyses		Lithology Code	Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
									SOIL	1			SURFACE, LAWN SILTY SAND (SM) BROWN (10YR 3/3) MOIST, LOOSE - MED. DENSE LOW-MOD EST IK, 10-15% CLAY, 15-25% SILT, VFG-FG ANG. SAND, ORGANIC FRAGMENTS, ROOTLETS COMMON
										2			
										3			
										4		?	
									SOIL	5			---? SILTY SAND (SM) BROWN (7.5YR 5/8) MOIST. MED DENSE LOW-MOD EST IK, VFG-FG ANG. SAND, 20-25% SILT, 1-2%
			18	12	G					6			MG-CG, OCCAS. SCATTERED PEBBLES TO 5mm ϕ OCCAS. CALCITE
										7			EVENS, STRINGERS TO 3mm ϕ
									SOIL SOIL	8			--- 7 SAND (SW) BROWN (7.5YR 4/6) MOIST, MED DENSE
KAFB-SS208-01 0810			24	20	G	0				9			LOW-MOD EST IK, VFG-FG ANG SAND, 1-2% SILT, 3-5% MG-CG SAND, OCCAS HORIZONS WITH SCATTERED PEBBLES TO 7mm ϕ
						BZ = 40-60cm				10			

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56

Borehole/Well No.: ST-208-01

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/PID	Analysis		Lithology Code		Depth (ft)	Recovery	Contact	Notes
											11			
											12			PERCENTAGE OF PEBBLES INCREASING W/ DEPTH 13.25-14'
KAFB-ST208-01-13/17 / KAFB-ST208-99-13/17			24	21	G	0 ppm/bz; bz = 0 ppm (13-17')	SVOC	DRO			13			14' GRAVELLY SAND (SW) LT. BROWN (7.5YR 6/3) DRY MED DENSE LG. SUBANG - SUBRND SAND. <10% SILT & VFG, 10% FG, 20% SUBANG - SUBRND PEBBLES TO 10mm Ø
							SVOC	DRO — R		SDAP	14			
							METALS	Hg pH	MOIST					
			24	24	G		METALS	Hg pH	MOIST — R	GWP	15			SANDY GRAVEL (GW) LT BROWN (7.5YR 6/3) DRY, DENSE. SUBANG - SUBRND GRAVEL 3-10mm Ø. 2% VFG - FG, 20% MG - CG. PEBBLES ARE QTZ & GRANITIC IN COMPOSITION.
							VOC	GRO			16			
							VOC	GRO — R			17		TD	
											18			
											19			
											20			
											1			
											2			
											3			
											4			
											5			
											6			
											7			
											8			
											9			
											0			

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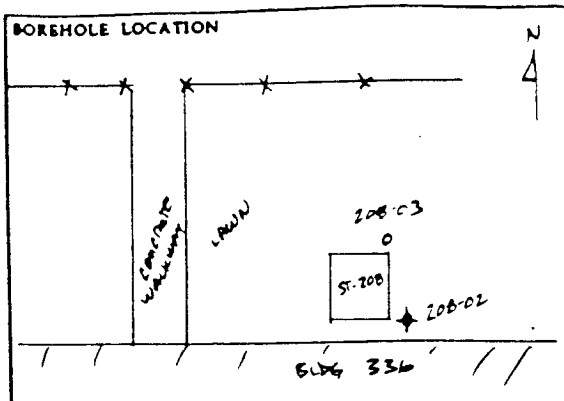
Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: ST-208-02
	Job No: 2A56
Logged By: J. Pavlotich	Edited By: JP
Project Manager: K. Walker	Drill Rig: Geoprobe
Drilling Contractor: BRE	
Driller/Helper: B. Wolfe / M. CHRISTIAN	
Drilling Method: Geoprobe Construction Method Code = V (driven), HA = Hand Augered	
Sample Method: LARGE BORE SAMPLER	
Hammer Weight/Drop: N A	Borehole Diameter: 1.375'
Started, Time: 1300	Date: 04-06-94
Completed, Time: 1400	Date: 04-06-94

Notes: 8.13'

Water Depth HNU	0 ppm					
~~Boring/Coring~~ Depth	40-60 cm					
Time	1310					
Date	04-06-94					

Total Depth: 15 FT | Casing Depth:

Screened Interval:

Sand Pack, #3: #0:

Well Development Method:

Time: Date: Flow Rate:

Geophysical Logs Type:

By: Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	FID/PID Reading	Analyses		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact
									SP/SM		0		
											1		
											2		
											3		
											4		
			12	9	6				SP/SM		5		
											6		
											7		
											8		
			24	21	6	0	SVOC	VOCs			9		
						0	SVOC	DRO	MH/ML				
							METALS	pH Hg	MOIST		10		

LITHOLOGIC DESCRIPTIONS

LAWN & SURFACE
SILTY SAND (SM) BROWN (10YR 3/3) MOIST, LOOSE - MED. DENSE
LOW-MOD EST IR., 10-15% CLAY, 15-25% SILT VFG-FG ANG.
SAND, ABUNDANT ORGANIC MATTER UPPER 4"

SILTY SAND (SM) BROWN (7.5YR 4/6) MOIST, MED. DENSE
LOW EST IR, VFG-FG ANG. SAND. 20-25% SILT, 2-3% MG-CG
SAND. MOTTLED W/ CALICHE

8.5-10' SAME AS 5-6.5

LAB-ST208-01-0812
KAFB-ST208-02-0812 MS/MSD

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56 | Borehole/Well No.: ST-208-02

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recvd	Sample Cond.	HNu/PID	Analysis		Lithology Code		Depth (ft)	Recovery	Contact
			24	24	VG	0	NEGL	Hy pH	SAND	MOIST	11		
							VAR	GRD					
						0	VAR	GRD			12		
											13		
KAFB-ST208-02 13.5			24	24	VG	0	SLT	TRC					
						13.7-40 BGS	VAR	GRD	SAND		14		
							NEGL	Hy pH		MOIST	15		
											6		
											7		
											8		
											9		
											20		
											1		
											2		
											3		
											4		
											5		
											6		
											7		
											8		
											9		
											0		

0' SILTY SAND (SM) BROWN (7.5YR 4/6) MOIST, MED. DENSE.
LOW PLST IK, VFG-FG ANG. SAND. 15% SILT 2-3% MG,
RARE ANG. PEBBLES TO 3mm ϕ ANG. PEBBLE HORIZON (5mm ϕ)
AT 11.5'

SAND (SP) BROWN (7.5 YR 4/6) MOIST, MED. DENSE, NON PLST
IK, FG. ANG. SAND, <5% SILT, 10% VFG. 5% MG. NO APPARENT ODOR
OR STAIN

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PG-1990
WYOMING

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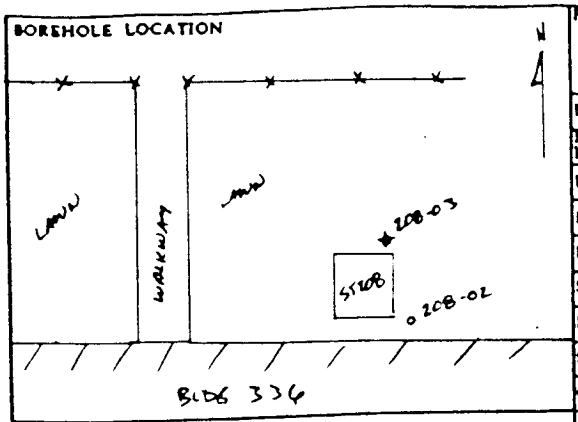
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: ST-208-03
	Job No: 2A56
Logged By: J. Pavletich	Edited By: JP
Project Manager: K. Walker	Drill Rig: Geoprobe
Drilling Contractor: B&RE	
Driller/Helper: B. Wolfe / M CHRISTIAN	
Drilling Method: Geoprobe Construction Method Code (V (driven), HA = Hand Augered	
Sample Method: LARGE-BORE SAMPLER	
Hammer Weight/Drop: NA	Borehole Diameter: 1.375'
Started, Time: 1415	Date: 04-06-94
Completed, Time: 1530	Date: 04-06-94

Notes: B, 13

BACKGROUND γ = 10 μR/HR

Water Depth HNU	0 ppm						
~~Boring/Casing Depth~~ BZ	40-80 ppm						
Time	1402						
Date	04-06-94						

Total Depth: 15FT — Casing Depth:

Screened Interval:

Sand Pack, #3: — #0:

Well Development Method:

Time: — Date: — Flow Rate:

Geophysical Logs, Type:

By: — Date:

Sample ID	Sampler Type / depth	Blows / 6 inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/PID Reading	Analysis		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Context	LITHOLOGIC DESCRIPTIONS
									SDY		0			LOAM AT SURFACE
														SILTY SAND (SM) BROWN (10YR 3/3) MOIST LOOSE - MED. DENSE
											1			LOW-MOD PLASTIC, 10-15% CLAY, 20-25% SILT, VFG-FG SAND
														SAND, ABUNDANT ORGANIC MATTER UPPER 4"
											2			
											3			
											4			
									SDY SDY					
											5			
			12	8	6									SANDY (SP) TAN-BROWN (10YR 6/4) MOIST, MED. DENSE, MOD
											6			PLAST. IK, VFG-FG ANG. SAND, 5% SILT, 2-32 MG-CG. CALICHE
														PEBBLES Ø 2mm Ø
						2.0 AR					7			
											8			
KAFB-ST208-03 0900			24	22	6	0 mm = 60-100 ppm	SUBC	BRO						8-10' SAME AS AT 5-6', EXCEPT NO CALICHE AND
						BZ = 60-100 ppm	VOC	GOO			9			SLIGHTLY ANG. PEBBLES TO 10mm Ø THROUGHOUT
							WEEKS	HYDR	MOIST					
											10			

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56 | Borehole/Well No.: SI-208-03

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	PID/FID	Analysis		Lithology Code		Depth (ft)	Recovery	Contact
KAB-SI208-03-13/15	SS		24	20	G.	0 ppm 2.10 uR 0 ppm 1.90 uR	SVOC VOC METALS	DRO GRO Hg, pH	SOME SAND SOME SAND MOIST		11 12 13 14 15 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0		

POSSIBLE SANDY CHANNEL AT ABOUT 13'

SAND (SP) BROWN (7.5YR 5/6) MOIST, MED. DENSE, MOD SORTED VFG-FG ANG. SAND. 5% SILT, 1-2% MG-CG. WEATHERED ROCK COMMON

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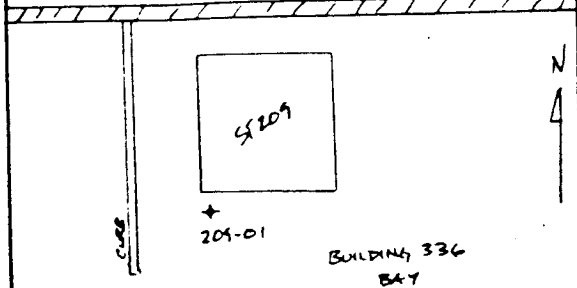
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION: OUTSIDE



Project: KAFB Stage 2B	Borehole/Well No: SB-209-01
	Job No: 2A56
Logged By: J. Pavletich	Edited By: JP
Project Manager: K. Walker	Drill Rig: Geoprobe
Drilling Contractor: BRE	
Driller/Helper: B. Wolfe / M. CHRISTIAN / S. CRAMP	
Drilling Method: Geoprobe Construction Method Code: V (driven), HA = Hand Augered	
Sample Method: LARGE-BORE SAMPLER	
Hammer Weight/Drop: N.A	Borehole Diameter: 1.375"
Started, Time: 1000	Date: 4-22-94
Completed, Time: 1115	Date: 4-22-94

Notes: 5', 12'

BACKGROUND
B-5: 10-30 ppm
5': 10 MAX/NC
OVA: 3.5 ppm

~~HNu/PID~~	3.5 ppm					
B-5 (ppm)	10-30					
Time	1000					
Date	4-22-94					

Total Depth: 14 FT | Casing Depth:
Screened Interval:
Sand Pack, #3: | #0:
Well Development Method:
Time: | Date: | Flow Rate:
Geophysical Logs, Type: | Date:
By:

Sample ID	Sampler Type / depth	Blows / 6 inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/PID Reading	Analyses		Lithology Code	Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
													CONCRETE 0" – 14"?
									SM/SL	1			SILTY SAND (SM) BROWN (7.5YR 4/6) DRY, MED DENSE-
										2			DENSE, MOD. EST IR, FG ANG. SAND 15% SILT 20% VFG 2-5%
													MG.
										3			
										4			
										5			5'-6' SAME AS OF 14" EXCEPT MORE SUBANG PEBBLES TO
			12	12	4								7mm ϕ, CHALK STAINED PATCHES TO 20mm @ 5.5'-6'
									SP-SM	6			
										7			6.5' SAND (SP) BROWN (7.5YR 5/6) MED DENSE, LOW-
			24	22	4								MOD EST IR, VFG-FG SUBANG SAND, 10% SILT 1-2% MG-CG
						0 ppm @ 8.2-8.4'	GWOL	DDO	SAND	8			SUBANG PEBBLES TO 5mm ϕ STAINED BY CALICHE.
							10L						
							PEBBLES	4g/ft	POOR	9			
									SDSL				
										10			

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56

Borehole/Well No.: SS-209-01

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/OVA	Analysis		Lithologic Code		Depth (ft)	Recovery	Contact
			12	9	G						11		
											12		
SS209-01 12/14			24	22	G		SVOC	3510	AFRD		13		
							VOC				14		TD
							METALS	Hg PH	METAL		15		
											16		
											17		
											18		
											19		
											20		
											1		
											2		
											3		
											4		
											5		
											6		
											7		
											8		
											9		
											0		

0'-5' SILTY SAND (SM) BROWN (2.5 YR 4/6) MOIST, MED DENSE
MOSTLY FST IK, VFG SUBANG SAND, 15-20% SILT, 10% FG-MG 1-2% CA
CLAYS. ANY PEBBLES TO 5mm ø MINOR CALICHE STRINGERS TO 2cm

12-14' SAME AS @ 11', ABUNDANT WEATHERED BIOTITE

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PG-1990
WYOMING

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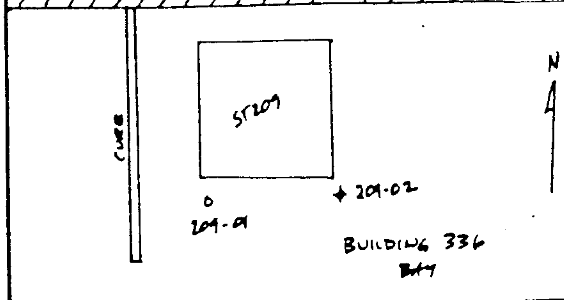
BOREHOLE / WELL CONSTRUCTION LOG

Borehole/Well No:	ST-209-02
Project:	KAFB Stage 2B
Job No:	2A56
Logged By:	J. Pavletich
Edited By:	JP
Project Manager:	K. Walter
Drill Rig:	Geoprobe
Drilling Contractor:	BRE
Driller/Helper:	B. Wolfe / S. CAMP
Drilling Method:	Geoprobe Construction Method Code = V (driven), HA = Hand Augered
Sample Method:	LARGE-BORE SAMPLER
Hammer Weight/Drop:	NA
Borehole Diameter:	1.375"
Started, Time:	1200 Date: 4-22-94
Completed, Time:	1300 Date: 4-22-94

BOREHOLE LOCATION

OUTSIDE



Notes:

BACKGROUND γ = 10 μR/HR

HNu/PID	1.5ppm					
β-γ (cpm)	40-80					
Time	1215					
Date	4-22-94					

Total Depth:	14 FT
Casing Depth:	
Screened Interval:	
Sand Pack, #3:	#0:
Well Development Method:	
Time:	Date: Flow Rate:
Geophysical Logs, Type:	
By:	Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/PID Reading	Analyses		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
									SDL		0			0"-16" CONCRETE
											1			SILTY SAND (SM) BROWN, (7.5YR 4/6) DRY, MED DENSE, LOW EST IR, VFG-FG ANG. SAND 20% SILT, 1-2% MG-CG SAND.
											2			
											3			
									SDL		4		?	4'? SILTY SAND (SM) BROWN (7.5 YR 5/6) MOIST, MED. DENSE LOW EST IR, VFG-FG SUBANG, SAND, 20-30% SILT, 5-10% MG-CG OCCAS. SUBANG PEBBLES TO 5mmφ STAINED W/ CALICHE
		↓	12	7	G.						5			
											6			
KAFB-SF209-02 0709		↓	24	22	G	0ppm 4-22-94 1100(PM)	SVOC VOC METALS	DRO Hg pH	GRO MOIST		7			7'-9' SAME AS AT 6'; CALICHE PATCHES TO 8mmφ OCCAS. BLACK STAINED PATCHES TO 2mmφ SBRUP FEBACE LAYER (5mmφ) at 8' EST 1" THICK
											8			
									SDL		9			
											10			

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2AS6

Borehole/Well No.: ST-209-02

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/PID	Analysis		Lithology Code		Depth (ft)	Recovery	Contact
		↓	12	10	G	++			↓		11		
									SDFN		12		
KAFB-ST209-02 12/4		↓	24	22	G	[illegible]	SVOC	BTEX	GRO		13		
							VOC						
							METALS	Hg pH	MOIST.		14		
											15		
											6		
											7		
											8		
											9		
											0		
											1		
											2		
											3		
											4		
											5		
											6		
											7		
											8		
											9		
											0		

9.5' SILTY SAND (SM) BROWN (7.5 YR 4/6) MOIST MED. [illegible]
LOW-MED EST IK, VFG SUBANG SAND, 15% SILT 10-20% FG, 1-2%
MG. OCCAS. SUBANG PEBBLES TO 5mm ϕ CALICHE PATCHES
TO 20mm ϕ AT 10.3' OCCAS. BLACK STAINED PATCHES TO 3mm ϕ

11.5' SAND (SP) BROWN (7.5 YR 5/8) MOIST. MED. DENSE
LOW-MED EST IK, FG SUBANG SAND 10% SILT 15-20% VFG.
1-3% MG-CG OCCAS. SUBANG PEBBLES TO 5mm ϕ ABUND.
WEATHERED BIOTITE, BLACK STAINED PATCHES TO 3mm ϕ
COMMON.

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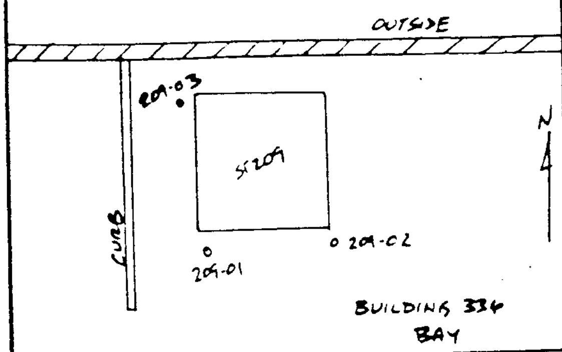
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project:	KAFB Stage 2B
Borehole/Well No:	ST-209-03
Job No:	2A56
Logged By:	J. Pavlovich
Edited By:	JP
Project Manager:	K. Walker
Drill Rig:	Geoprobe
Drilling Contractor:	B & RE
Driller/Helper:	B. Wolfe / S. CAMP
Drilling Method:	Geoprobe Construction Method Code: V (driven), HA = Hand Augered
Sample Method:	LARGE BORE SAMPLER
Hammer Weight/Drop:	NA
Borehole Diameter:	1.375'
Started, Time:	1315 Date: 4-22-94
Completed, Time:	1415 Date: 4-22-94

Notes:

BACKGROUND β-γ 10 μR/HR

HNu/FID	1.8				
β-γ (cpm)	20-80				
Time	1300				
Date	4-22-94				

Total Depth: 14 FT	Casing Depth:
Screened Interval:	
Sand Pack, #3:	#0:
Well Development Method:	
Time: Date: Flow Rate:	
Geophysical Logs, Type:	
By: Date:	

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
									SM		0			0"-16" CONCRETE
											1			SILTY SAND (SM) BROWN (7.5YR 4/6) DRY, MED. DENSE LOW EST IK, VFG-FG SUBANG SAND 20% SILT, 2-3% MG-CG SAND
											2			
											3			
									SM		4		?	4'? SILTY SAND (SM) BROWN (7.5YR 5/6) MOIST, MED DENSE LOW EST. IK, VFG-FG SUBANG. SAND, 20-30% SILT, 1-5% MG OCCAS SUBRND PEBBLES TO 5mm Ø CALICHE STAINS W/ PATCHES TO 5mm Ø
			12	6	4						5	X		
											6			
KAFB-ST209-03 OP11			48	20	6						7			
									SM		8		?	8'? SILTY SAND (SM) BROWN (7.5YR 5/6) MOIST, MED. DENSE-DENSE, MED. EST IK, VFG-FG SUBANG. SAND, 15% SILT, 5% MG-CS OCCAS. SUBANG PEBBLES TO 3mm Ø. WEATHERED WHITE COMMON
						0 β-γ 40-80 cpm	SVOC	TPH	VOA		9			
											10			

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56

Borehole/Well No.: SS-209-03

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/PID	Analysis		Lithology Code		Depth (ft)	Recovery	Contact	
							VOC				11			DENSE SUBANG. PEBBLE LAYER AT ABOUT 10'
											12			
KAFB SS209-03 12/4			24	22	VG	0 S.P. bottom	SVOC	DOD	GRAVEL	SAND	13			SILTY SAND/GRAVEL BROWN (7.5YR 5/6) MOIST, DENSE GRN
							VOC		SAND		14			EST 1K, V.F.G. SUBANG. SAND 15% SILT, 2-3% ANG GRAVEL NONPLASTIC
											15			BEDDING COMMON
											16			
											17			
											18			
											19			
											20			
											21			
											22			
											23			
											24			
											25			
											26			
											27			
											28			
											29			
											30			

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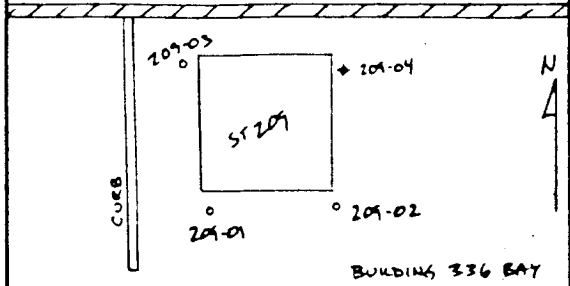
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: ST-209-04
	Job No: 2A56
Logged By: J. Pavletich	Edited By: JP
Project Manager: K. Walker	Drill Rig: Geoprobe
Drilling Contractor: BRE	
Driller/Helper: ~~B. Wolfe~~ M. CHRISTIAN / S. CAMP	
Drilling Method: Geoprobe Construction Method Code = V (driven), HA = Hand Augered	
Sample Method: LARGE BORE SAMPLER	
Hammer Weight/Drop: NA	Borehole Diameter: 1.375"
Started, Time: 1415	Date: 4-22-94
Completed, Time: 1540	Date: 4-22-94

Notes:

BACKGROUND 7 = 10 mR/HR

~~HNu/FID~~	2 ppm					
~~β-γ (cpm)~~	20-80cpm					
Time	1420					
Date	4-22-94					

Total Depth: 16 FT — Casing Depth:

Screened Interval:

Sand Pack, #3: — #0:

Well Development Method:

Time: — Date: — Flow Rate:

Geophysical Logs, Type:

By: — Date:

Sample ID	Sampler Type / depth	Blows / 6 inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses		Lithology Code	Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
									SAND				0"- 16" CONCRETE
										1			SILTY SAND (SM) BROWN (7.5YR 4/6) DRY, MED. DENSE
										2			LOW EST 1%, VFG-FG SUBANG SAND 20% SILT, 2-3% MG-CG
													SAND
										3			
										4			
									SAND				4'? SILTY SAND (SM) BROWN (7.5YR 4/6) MOIST MED. DENSE
			12	12	4	0				5			LOW-MOD. EST 1%, VFG-FG SUBANG. SAND 20% SILT, 1-2%
													MG-CG. DOCK SUBANG. PEBBLES TO 5mm ϕ. MOTTLED & STAINED
										6			WITH CALICHE
KAFB-SHEAR-01			24	22	4	0	SVOC	DRO	GRAD	7			7'- SAME AS AT 5'-6' CALICHE BLEBS & NODULES TO 3mm ϕ.
0930						8.9-10.1-110 ppm	VOC			8			
							METALS	Hg PM	MOIST.				
										9			
									SAND				
										10			

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56 | Borehole/Well No.: ST 209-04

Notes:

Sample ID	Sampler Type	Blows / 6 inch	Inches Driven	Inches Recv'd	Sample Cond.	HNu/PID	Analysis		Lithology Code		Depth (ft)	Recovery	Contact
			12	12	G								
KAFB-ST209-04-1216 KAFB-ST209-04-1216			24	22	VG	0 (B.Z. = 40-100 ppm)	SVOC	TPH GRO	SAND-F				
							SVOC	DRO	SAND-F				
							METALS	Hg FA	MOIST				
			24	20	G	0 (B.Z. = 40-100 ppm)	METALS	Hg FA	MOIST	GRAVEL			
							VOC						
							VOC						

0'-5' SILTY SAND (SM) BROWN (7.5YR 5/6) MOIST, DENSE, LOW PLAST IR, VFG-FG SUBANG. SAND. 20-25% SILT, 1-3% MG-CG. VERTICAL ANASTAMOZING CALICHE STRINGERS. 10.25-10.5' [illegible]

12'-14' SAME AS AT 10'-11', EXCEPT NO VISIBLE CALICHE STRINGERS BLACK STAINED PEBBLES (1-3 mm & COMMON) THROUGHOUT

14.5' SANDY GRAVEL (GW) BROWN (7.5 YR 6/4) DRY, DENSE MOD-HIGH PLAST IR, SUBROUND PEBBLES TO 10mm, 1-2% SILT, 10-15% VFG-FG, 10-20% MG-CG SAND. ABUND. WEATHERED BIOTITE

16' SILTY SAND (SM) BROWN (7.5YR 5/6) DRY, DENSE LOW-MOD. PLAST IR, VFG-FG SUBANG SAND, 1-2% CLAY, 15-20% SILT, 5-10% MG-CG SAND 1-2% SUBROUND PEBBLES TO 7mm ø

PROFESSIONAL GEOLOGIST
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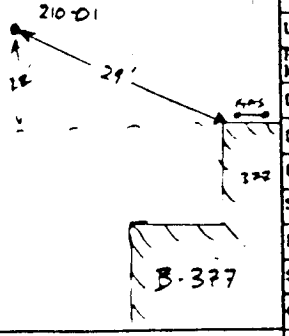
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION N of B-377



Project: KAFB Stage 2B	Borehole/Well No: KAFB-ST210-01
	Job No: 2A56
Logged By: J. Pavletich	Edited By:
Project Manager: K. Walter	Drill Rig: Geoprobe
Drilling Contractor: BARE	
Driller/Helper: B. Wolfe / M. CHRISTIAN	
Drilling Method: Geoprobe Construction Method Code = V (driven), HA = Hand Augered	
Sample Method: GEOPROBE LARGE BORE SAMPLER	
Hammer Weight/Drop: NA	Borehole Diameter: 1.375"
Started, Time: 1545	Date: 3/23/99
Completed, Time: 1730	Date: 3/23/99

Notes:
BACKHOLE > SAMPLE BOREHOLE FOR ST-210

BACKGROUND T=10 ppb/HE

Water Depth HNU	1 ppm					
Boring/Casing Depth						
Time	1551					
Date	3/23/99					

Total Depth: 17 FT | Casing Depth:
Screened Interval:
Sand Pack, #3: #0:
Well Development Method:
Time: Date: Flow Rate:
Geophysical Logs, Type:
By: Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/PID Reading	Analytes		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
									ST					SURFACE SILTY SAND (SM) RED-BROWN 7.5YR 5/6 DRY, LOOSE-MED DENSE
											1			MED-HIGH EST IK, VF-FG ANG SAND, 15-20% SLT, 5-10% MG-CA SAND
														ANG-SUB PEBBLES TO 1" Ø SCATTERED ON SURFACE
											2			0.5-1.0' MIXED
											3			
									SILT					
											4			
													?	? ?
	LBC	5.0	18	18	G	0.4	1				5			5.0-6.5' SILT (ML) TAN 7.5YR 7/4 DRY, MED DENSE
		6.5												LOW EST IK, 5-10% VFG-MG ANG SAND, 5-10% CLAY.
											6			CALICHE BLEBS, STRINGERS & NODULES TO 3mm Ø CLAY-RICH
														LAMINAE/PATCHES COMMON
											7			
KAFB-ST210-01 08/10	LBC	B	30	22	G	0.0-7.10	METALS	Hg PH	MOIST		8			9.5-10.5' CLAYEY SILT (ML) RED-BROWN 7.5YR 5/6
							VOC-	BTEX			9			MOIST, SOFT, LOW EST IK 15-20% CLAY 5-10% VFG-CG ANG SAND
							SVOC	DRO		SCLY				CALICHE BLEBS, STRINGERS, NODULES TO 7mm Ø COMMON
											10			

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56

Borehole/Well No.: KAFB ST-210-01

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/PID	Analysis		Lithology Code		Depth (ft)	Description
			18	18	G	0			GM/LP		10–12	SILTY SAND (SM) RED BROWN (7.5YR 4/4) MOIST, SOFT, HIGH EST IK, 5% CLAY, 5% FG-MG ANG SAND. SLIGHT CARB RX 11' SILTY GRAVEL (GM) RED-BROWN (7.5YR 4/6) MOIST, MED DENSE-DENSE HIGH EST IK, 20-30% VF-CG ANG. SAND, 10-15% SILT. S.ANG.-S.RNDED PEBBLES TO 10mm Ø
KAFB-ST210-01-15/17		24'	24	22	G	0 X-10	METALS EG PH MOIST. SVOC DRO VOC GRO		SM/...		15–17	(DRILLER) SOFT 16-17' SILTY SAND (SM) RED BROWN 7.5YR 4/4 MOIST, SOFT HIGH EST IK <5% CLAY 15-20% SILT VF-FG SAND. SLIGHT CARB. RX.

TD 17

Depth (ft): 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 1, 2, 3, 4, 5, 6, 7, 8, 9, 0

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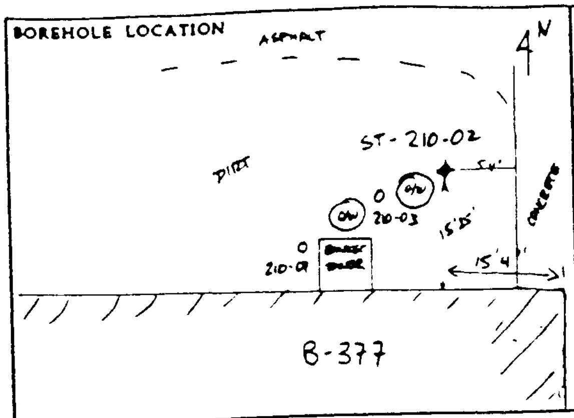
Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project:	KAFB Stage 2B
Borehole/Well No:	KAFB-ST 210-02
Job No:	2A56
Logged By:	J. Pavletich
Edited By:	[illegible]
Project Manager:	K. Walter
Drill Rig:	Geoprobe
Drilling Contractor:	BARE
Driller/Helper:	B. Wolfe / M. Christman
Drilling Method:	Geoprobe
Construction Method Code:	V (driven), HA = Hand Augered
Sample Method:	Geoprobe Large Bore Sampler
Hammer Weight/Drop:	NA
Borehole Diameter:	1.375"
Started, Time:	1000
Date:	3-24-94
Completed, Time:	1125
Date:	3-24-94

Water Depth					
Boring/Casing Depth					
Time					
Date					

Notes:

BK: BACKGROUND

Total Depth:	14 FT
Casing Depth:	
Screened Interval:	
Sand Pack, #3:	#0:
Well Development Method:	
Time:	Date:
Flow Rate:	
Geophysical Logs, Type:	
By:	Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/PID Reading	Analyses		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact
									SM		0–1		
											1–2		
											2–3		?
									SILT		3–4		?
											4–5		
			24	20	G	BK					5–6		
											6–7		
KAFB-ST-210-02-0709			24	22	VG	BK 7 ppm	SVOC	DRO			7–8		
							VOC	GRO	SM		8–9		GRADATIONAL CONTACT
							METALS	Hg pH	MOIST		9–10		

LITHOLOGIC DESCRIPTIONS

SURFACE
SILTY SAND (SM) BROWN (10YR 5/4) DRY, LOOSE, MOD-HIGH EST IK VFG-FG ANG. SAND, 15-20% SILT, <5% CLAY. SUBANG - SUBRND PEBBLES 25mm Φ ON SURFACE

5'-7': SILT (ML) BROWN 7.5YR 4/6 MOIST, SOFT, MOD-HIGH EST IK 5-10% VFG-MG ANG SAND. MOTTLED WHITE WITH CARBONATE, CALCIC HORIZON STRINGERS, [illegible] RARE ANG PEBBLES TO 3mm.

GRADATIONAL CONTACT

SILTY SAND (SM) RED BROWN (5YR 4/6) MOIST, MED. DENSE MOD EST IK, VFG ANG SAND 30% SILT, 5-10% CLAY RARE MG-CG SAND. OCCASIONAL WEATHERED BIOTITE FLAKES TO 3mm Φ

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56

Borehole/Well No.: KAFB - ST-210-02

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recv'd	Sample Cond.	HNu/PID	Analysis		Lithology Code	Depth (ft)	Recovery	Contact
KAFB-ST210-02-1214			24	16	G.	ND			CSM	11		
			—							12		
			24	18	G	ND	METAL	M, M	SM	13		
							VOC	GRD	MOIST.	14		
							SVOC, PEST			15		
										16		
										17		
										18		
										19		
										20		
										1		
										2		
										3		
										4		
										5		
										6		
										7		
										8		
										9		
										0		

SILTY SAND (SM) RED BROWN (5YR 4/4) MOIST. MED DENSE MOD EST IK, VFG ANG SAND, 10-30% SILT OCCASIONAL CG SAND, BIOTITE FLAKES, RARE CALICHE BLEBS TO 3mm ϕ

SILTY SAND (SM) RD-BROWN (7.5YR 5/6) MOIST, MED DENSE MOD. EST IK VFG-FG ANG. SAND. 15% SILT. OCCAS. CG SAND. BIOTITE, CALICHE BLEBS TO 3mm RARE

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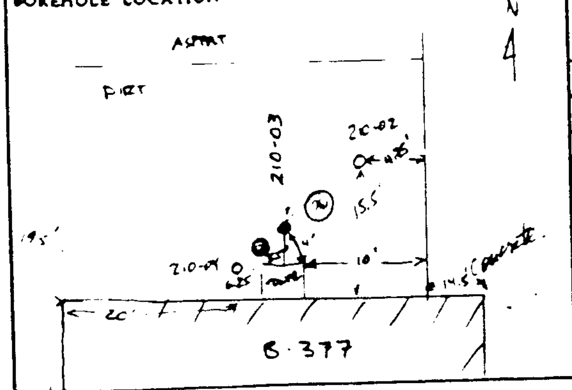
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Notes: 7', 12'

Project: KAFB Stage 2B	Borehole/Well No: KAFB-ST210-03
	Job No: 2A56
Logged By: J. Pavletich	Edited By: [illegible]
Project Manager: R. Walker	Drill Rig: Geoprobe
Drilling Contractor: B & RE	
Driller/Helper: B. Wolfe / M. CHRISTIAN	
Drilling Method: Geoprobe Construction Method Code = V (driven), HA = Hand Augered	
Sample Method: LARGE BORE SAMPLER	
Hammer Weight/Drop: NA	Borehole Diameter: 1.375"
Started, Time: 1535	Date: 3-24-94
Completed, Time: 1145	Date: 3-25-94

Water Depth						
Boring/Casing Depth						
Time						
Date						

Total Depth: 27 FT | Casing Depth:

Screened Interval:

Sand Pack, #3: | #0:

Well Development Method:

Time: | Date: | Flow Rate:

Geophysical Logs, Type:

By: | Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/PID Reading	Analyses	Lithology Code	Depth in Feet	LITHOLOGIC DESCRIPTIONS
								SM	0–3	SURFACE SILTY SAND (SM) RD-BROWN (5YR 5/8) DRY, LOOSE, MOD EST IK VFG-FG ANG. SAND 15% SILT. ANG PEBBLES TO 1" Φ SCATTERED ON SURFACE
								SILT	3–7	? — ? — ?
			18	18	G	15			5–7	SILT (ML)? BROWN, TO BLACK TO TAN (7.5YR 7/2) DRY, MED STIFF LOW-MOD EST IK, <10% CLAY, <5% VFG-FG SAND, OCCAS. CALICHE NODULES TO 5mm. HEAVILY STAINED. 5-5.5' NOTICEABLE HYDROCARBON ODOR
KAFB-ST210-03-0709			24	21	VG	90-150	SVOC, PEST; VOC, GRO; METALS, Hg, pH, MOIST.	SM	7–9	~7' SILTY SAND (SM) BROWN-TAN (10YR 5/3) MOIST, MED. DENSE, MOD EST IK, 15-25% SILT, 5% CLAY VFG SAND OCCAS. CALICHE NODULES TO 5mm NOTICEABLE HYDROCARB. ODOR @ 9' COLOR CHANGE TO BROWN (5YR 5/2) OCCASIONAL SUBRD PEBBLES TO 10mm Φ OCCAS. BLACK PATCHES TO 10mm (ORGANICS? HEAVY HYDROCARB RESIDUE?)
									9–10	

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56

Borehole/Well No.: KAFB - ST210 - 03

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/PID	Analysis		Lithology Code	Depth (ft)	Recovery	Contact	
			18	18	G	0 PID			SM	11			SILTY SAND (SM) BROWN (10YR 4/4) MOIST, MED. DENSE MOD EST. IK 15-20% SILT, 2-5% FG-MG SAND. VFG SAND. RARE SUBRND. PEBBLES TO 7mm Φ RARE CALICHE PEBBS TO 5mm Φ
			24	18	G					12			
KAFB-ST-210-03-1226 EAFB-ST-210-99-1226						225	VOC, GRO			13			@ 14' SILTY SAND (SM) BROWN (10YR 4/4) MOIST. MED. DENSE MOD EST IK, SLMG VFG, 20% SILT, 2-3% FG-MG, SLMG SAND WEATHERED BIOTITE COMMON (1%)
							VOC	GRO	R	14			
			24	18			METALS	Hg PH	MOIST	15			
							METALS	Hg PH	MOIST→R				
						225	SVOC	DRO		16			@ 16' SAND (SW) BROWN (10YR 5/4) MOIST, MED DENSE MOD EST IK, S MG. VFG-FG SAND, 10-15% SILT, <1% MICA SAND
							SVOC	DRO	R				
			24	24	G	1400-1500				21			SILTY SAND (SM) BROWN 7.5YR 5/4 MOIST. MED DENSE LOW EST IK, SLMG, VFG SAND, 15-20% SILT, 5-15% FG. SAND OCCAS. SLMG. PEBBLES TO 5mm. RARE WEATHERED BIOTITE
KAFB-ST210-03 2522			24	21	G	280-320			SM/CL, DRO	26			SILTY CLAY (ML) BROWN 2.5Y 4/2 MOIST, MED STIFF LOW EST IK, 15-20% SILT 5-10% VFG SAND. CALICHE PEBBS TO 3mm Φ COMMON. SILTY SAND (SM) BROWN 2.5Y 4/2 MOIST, MED. DENSE, LOW EST IK, 20-25% SILT, 10-15% FG. VFG SAND WEATHERED BIOTITE COMMON.
							VOC, GRO						
							METALS, Hg, PH, MOIST			27		TD	SANDY SILT (ML) TAN-BROWN (2.5Y 5/2) MOIST, MED STIFF LOW EST IK, 15-20% VFG SAND, 1-2% FG SAND.

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WYOMING

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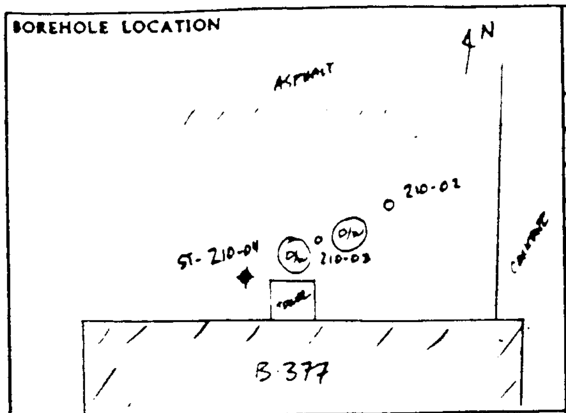
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Notes: SAMPLE DEPTHS 8-15'

Project:	KAFB Stage 2B
Borehole/Well No:	KAFB-ST-210-04
Job No:	2A56
Logged By:	J. Pavletich
Edited By:	[illegible]
Project Manager:	K. Walter
Drill Rig:	Geoprobe
Drilling Contractor:	BARE
Driller/Helper:	B. Wolfe / M. CHRISTIAN
Drilling Method:	Geoprobe
Construction Method Code:	V (driven), HA = Hand Augered
Sample Method:	GEOPROBE LARGE BORE SAMPLER
Hammer Weight/Drop:	NA
Borehole Diameter:	1.375"
Started, Time:	1140
Date:	3-24-94
Completed, Time:	1534
Date:	3-24-94

Water Depth						
Boring/Casing Depth						
Time						
Date						

Total Depth:	32'
Casing Depth:	
Screened Interval:	
Sand Pack, #3:	#0:
Well Development Method:	
Time:	Date: Flow Rate:
Geophysical Logs, Type:	
By:	Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/PID Reading	Analyses	Lithology Code	Depth In Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
								SM/SP	0			SURFACE SILTY SAND (SM) BROWN (5YR 5/8) DRY, LOOSE, MOD EST 1K VFG-FG ANG SAND 15% SILT, 5-10% MG-CG, RARE SUBANG SAND PEBBLES TO ½"Ø
									1			
									2			
									3			
								SM	4		?	
			18	18	G				5	X	?	5-6.5' SILTY SAND (SM) RD BROWN 5YR 5/6 MOIST, MED DENSE MOD EST 1K. VFG ANG SAND, 20-30% SILT, <5% CLAY. RARE PEBBLES TO 5mm (SA-SR), BECOMING INCREASINGLY MORE MOTTLED W/ CARBONATE AT 6.25-6.5'
									6	X		
									7		?	
			24	21	G			SW/SP	8	X	?	SAND (SW) RD BROWN (5YR 4/4) MOIST, MED. DENSE MODEST 1K. VFG-FG SANG SAND 10% SILT, RARE CG SAND, 4-5mm SANG PEBBLES. MOTTLED (LIGHT) W/ CALICHE
ST-210-04-0810							SVOC, DRO, VOC, GRO, METALS, Hg, PB, MOIST.		9			
									10			

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2AS6

Borehole/Well No.: KAFB-ST240-04

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recv'd	Sample Cond.	HNu/FID	Analysis	Lithology Code	Depth (ft)	Recovery	Contact	
			18	18	4				4			11-11.5' 10% SAND - SEND PEBBLES TO .5mm ϕ @ 11.25' CALICHE-STAINED PATCH TO 10 MM ϕ
									12			
									13			
									14		?	
								SOFT	15			
S-040-0215			24	21	V6	0-20	SVOC, DRO VOC, GRO METALS, Hg, PH, MISC/INORG		16			M SAND (SW) BROWN (5YR 4/6) MOIST, MED. DENSE, MOD. EST IK. FG. ANG. SAND. 5-10% SILT. OCCAS. CALICHE BLEBS TO 3mm ϕ
									17			
									18			
								LOOSE	19		?	
S-040-0216			24	21	V6	20-100	SVOC, DRO VOC, GRO METALS, Hg, PH, MISC/INORG		20		?	SILTY SAND (SM) BROWN (5YR 4/6) MOIST, MED. DENSE, MOD. EST IK. VF-FG ANG. SAND. 15% SILT. 10% SAND PEBBLES TO 5mm ϕ OCCAS. CALICHE BLEBS/PIECES TO 8cm
									21			
									22			
									23			
									24			
									28			NO LITH. SAMPLE AT 25', DRILLER INADVERTANTLY OVERSHOT HOLE TO 30'
									26			
									27			
									28			
									29		?	
								SILT	30			SILT, (ML) BROWN 2.5YR 4/2 MOIST, MED. STIFF LOW EST IK. 5-10% VFG SAND.

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2AS6

Borehole/Well No.: KAT3 - ST210 -04

Notes:

Sample ID	Sampler Type	Blows / 6 inch	Inches Driven	Inches Recvd	Sample Cond.	HNu/PID	Analysis	Lithology Code	Depth (ft)	Recovery	Contact
		24	24	21	V6	60-70	SVOC, DRO.	SAND SAT'D	31		
							VOC, GRO				
		V	STRONG ODOR				METALS, Hg, CN, MOIST.	SAND SOCK	32		D
									33		
									34		
									35		
									6		
									7		
									8		
									9		
									0		
									1		
									2		
									3		
									4		
									5		
									6		
									7		
									8		
									9		
									0		

SAND (SW) BROWN (5YR 5/4) MOIST, MED DENSE, MOD CEMENTED VF-FG, 5-10% SILT, RARE CG. PETROLEUM ODOR. NO FREE PRODUCT

SAND (SW) GRAY WHITE (2.5Y 8/0) DAMP, MED DENSE MOD-HIGH CEMENT IN MED-CG, 5-10% VFG-FG. RARE PEBBLES TO 7mm STRONG PETROLEUM ODOR.

PROFESSIONAL GEOLOGIST
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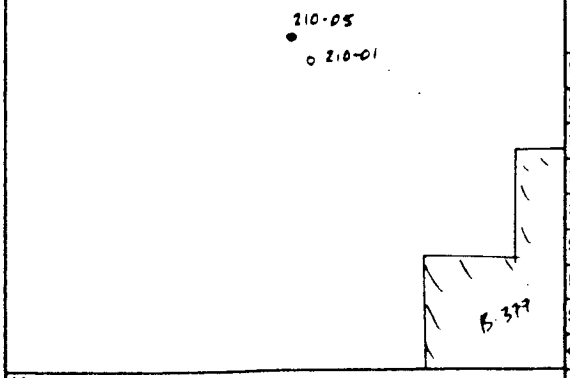
PG-1990
WYOMING

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: SF210-05
	Job No: 2A56
Logged By: J. Pavletich	Edited By:
Project Manager: K. Walter	Drill Rig: Geoprobe
Drilling Contractor: BCE	
Driller/Helper: ~~B. Wolfe~~ S. CAMP	
Drilling Method: Geoprobe Construction Method Code = (V (driven), HA = Hand Augered	
Sample Method: LARGE-BORE SAMPLER	
Hammer Weight/Drop: N.A	Borehole Diameter: 1.375'
Started, Time: 0930	Date: 6-8-94
Completed, Time: 1030	Date: 6-8-94

Notes: RESAMPLE OF SITE; THIS BORING WITHIN ~1.5 FT NW OF ORIGINAL BORING SF210-01

B.15 BACKGROUND @ 12 m/HR

HNu/FID	0/3					
B-T (cpm)	60-80					
Time	0940					
Date	6-8-94					

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact
									SM				
											1		
											2		
											3		
									SM		4		?
			12	12	4	0/3 (0-12)					5		
											6		
									SM		7		?
SF210-05-SB01		0/80	24	12	4	0/2.5 (0-10)	VOC				8		
											9		
											10		

Total Depth: 17 FT. Casing Depth:

Screened Interval:

Sand Pack, #3: #0:

Well Development Method:

Time: Date: Flow Rate:

Geophysical Logs Type:

By: Date:

LITHOLOGIC DESCRIPTIONS

SILTY SAND (SM) BROWN (7.5YR 4/6) MOIST LOOSE-MED DENSE MOD. EST. IK, VFG-FG SUBANG. SAND. 15-20% SILT, 5% MG, 1-2% CG, ANG-SUBANG. PEBBLES TO 70mm Ø ON SURFACE.

4'? SILTY SAND (SM) REDDISH YELLOW (7.5YR 6/6) MOIST, MED DENSE, LOW EST. IK, VFG SUBANG SAND, 5% CLAY, 30-25% SILT. OCCAS. SUBANG PEBBLES TO 5mm Ø. CALICHE PATCHES TO 5mm Ø, CALICHE STAINED/MOTTLED THROUGHOUT.

7'? SILTY SAND (SM) BROWN (7.5YR 5/6) MOIST, MED DENSE, LOW EST. IK, VFG SUBANG SAND. 5% CLAY 15-20% SILT, 2-3% FG. CALICHE PATCHES TO 4mm Ø OCCAS. SUBANG, PEBBLES TO 3mm PEBBLES INCREASING WITH DEPTH; AT 10 FT 5-10%

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No. KAFB 2B 2A56

Borehole/Well No. SB20-05

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond	HNu/PID	Analysis	Lithology Code	Depth (ft)	Recovery	Contact
KAFB-SB20-05-1516 MS/MSD KAFB-SB20-05-1517 MS/MSD			24	22	G	0/2 MS-BG=10 B=0	VOC-MS/MSD VOC	GVLP GVLP	11 12 13 14 15 16 17 8 9 0 1 2 3 4 5 6 7 8 9 0		

11' SILTY GRAVEL (GW) BROWN (7.5YR 5/6) MOIST, MED DENSE
MOD-HIGH EST. IK, SUBANG-SUBRND PEBBLES TO 10mm Ø, 10-15% SILT
10-15% VFG-FG, 5% MG, 20% CG

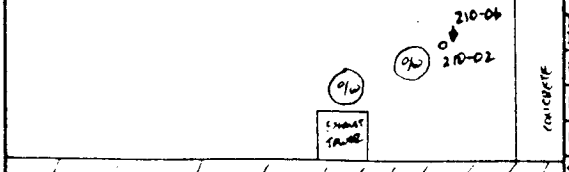
1625 SILTY SAND (SM) BROWN (7.5YR 5/6) MOIST, MED. DENSE
LOW EST. IK, VFG, SUBANG. SAND. 2-3% CLAY. 10-15% SILT

PROFESSIONAL GEOLOGIST
JOSEPH P. PAVLETICH
PG-1990
WYOMING

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: ST210-06
	Job No: 2A56
Logged By: J. Pavletich	Edited By: SP
Project Manager: K. Walter	Drill Rig: Geoprobe
Drilling Contractor: ECE	
Driller/Helper: ~~B. Wolfe~~ S. CAMP	
Drilling Method: Geoprobe Construction Method Code: CV (driven), HA = Hand Augered	
Sample Method: LARGE BORE SAMPLER	
Hammer Weight/Drop: N.A	Borehole Diameter: 1.375"
Started, Time: 1045	Date: 6-8-94
Completed, Time: 1225	Date: 6-8-94

Notes: RESAMPLE OF SITE. THIS BORING ABOUT 1.5' NE OF ORIG. BORING, ST210-02

7.12'

BACKGROUND β = 9 uR/HR

HNu/PID	0/2					
β-γ (cpm)	40-80					
Time	1050					
Date	6-8-94					

Total Depth: 14 FT	Casing Depth:
Screened Interval:	
Sand Pack, #3:	#0:
Well Development Method:	
Time: Date:	Flow Rate:
Geophysical Logs, Type:	
By:	Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/PID Reading	Analyses		Lithology Code	Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
									SDSH				SILTY SAND (SM) YELLOWISH BROWN (10YR 5/4) DRY, LOOSE,
										1			10-MOD. EST. 1K, VFG-FG SUBANG. SAND. 1-2% CLAY, 15-20% SILT
													2-3% ML, 1-2% CH. SUBANG PEBBLES TO 20 mm Ø ON SURFACE
										2			
										3			
										4			
									SDSH			?	
										5			4'? SILTY SAND (SM) YELLOWISH BROWN (10YR 5/6) MOIST, MED.
			12	11	4	0/2 BG							DENSE, LOW EST 1K. VFG. SUBANG. SAND. 5% CLAY, 15-20% SILT.
										6			1% FG. MOTTLED & STAINED W/ CALICHE OCCAS. SUBANG PEBBLES
													TO 5mm Ø
									SDSH				6.5' SILTY SAND (SM) BROWN (7.5YR 5/6) MOIST, MED. DENSE
										7			LOW EST. 1K, VFG SUBANG. SAND 2% CLAY, 20-25% SILT. 1% FG.
KAFB ST210-06 0.5'			24	22	4	0/2 BG PID-10.4	8:11	VOC					MOTTLED & STAINED BY CALICHE
										8			8.75' SILTY SAND (SM) DARK YELLOW. BROWN (10YR 5/8) MOIST, MED.
													DENSE, LOW EST. 1K, VFG-FG SUBANG SAND, 5% CLAY, 20% SILT,
									SDSH	9			1% ML., OCCAS SUBANG PEBBLES TO 3mm Ø
										10			

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2AS6 | Borehole/Well No.: SF216-06

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/PID	Analysis		Lithology Code		Depth (ft)	Recovery	Contact	Lithologic Description
			12	10	G	0/2 BZ 0			SM		10			10' SILTY SAND (SM) DARK YELLOWISH BROWN (10YR 4/6) MOIST, MED DENSE
														LOW EST. IK, VFG-FG SUBANG SAND. 2-5% CLAY, 15-20% SILT,
											11			10% MA. OXIDE SUBANG PEBBLES TO 6mm & VERTICAL CALCITE
									SM					STRINGERS < 1mm WIDE. ABOUT 10.5'
			24	20	G	0/2 BZ 0 T=7					12			11.5 SILTY SAND (SM) BROWN (7.5YR 5/6) MOIST, MED DENSE
														LOW-MOD. EST. IK, VFG SUBANG SAND 15% SILT, 5% FG.
LABS SF210-06 12/14							VOC				13			WEATHERED BIOTITE COMMON
									SM/SP	SM/SP				13.5 SAND (SP) YELLOWISH BROWN (10YR 5/6) MOIST, MED DENSE
											14			MED. EST. IK VFG-FG SUBANG. SAND. 5% SILT. 5% MA.
														WEATHERED BIOTITE COMMON
											15			
											16			
											17			
											18			
											19			
											0			
											1			
											2			
											3			
											4			
											5			
											6			
											7			
											8			
											9			
											0			

PROFESSIONAL GEOLOGIST
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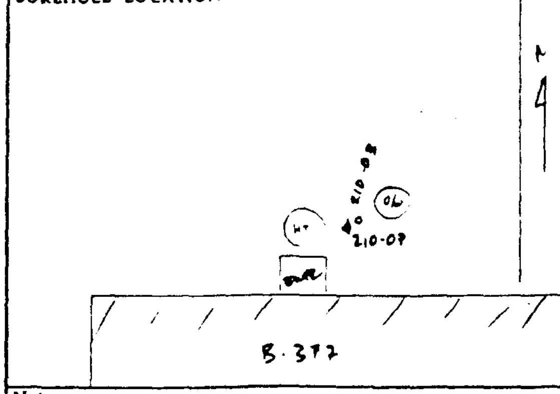
WYOMING

Halliburton NUS
CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: ST210-07
	Job No: 2A56
Logged By: J. Pavletich	Edited By: [illegible]
Project Manager: K. Walter	Drill Rig: Geoprobe
Drilling Contractor: BRE	
Driller/Helper: ~~B. Wolfe~~ S. CAMP	
Drilling Method: Geoprobe Construction Method Code = V (driven), HA = Hand Augered	
Sample Method: LARGE-BORE SAMPLER	
Hammer Weight/Drop: N.A.	Borehole Diameter: 1.375"
Started, Time: 1400	Date: 6-9-94
Completed, Time: 1520	Date: 6-10-94

Notes: RESAMPLE OF SITE, THIS BORING WITHIN 1.5 FT SW OF ORIGINAL BORING ST210-03

6/10/94 BACKGROUND γ = 10 μR/HR
6/9/94 BACKGROUND γ = 11 μR/HR

7.12'

HNu/FID	0/2	0/5				
β-γ (cpm)	100-140	60-100				
Time	1400	930				
Date	6-9-94	6-10-94				

Total Depth: 57 FT
Casing Depth:
Screened Interval:
Sand Pack, #3: #0:
Well Development Method:
Time: Date: Flow Rate:
Geophysical Logs, Type:
By: Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
									SM		0			SILTY SAND (SM) LT YELLOW BROWN (10YR 6/4) DRY, LOOSE, MOD EST IK, VFG-FG SUBANG SAND 2-3% CLAY, 15% SILT, 2-3% MG, 1% CG. SUBANG PEBBLES TO 15mm Ø SCATTERED ON SURFACE.
											1			
											2			
											3			
											4			
			12	0					SP		5		?	5'? SAND (SP) LT. BROWN (7.5YR 6/3) MOIST, MED. DENSE, LOW EST. IK. VFG SUBANG SAND. 5-10% SILT. MOTTLED W/ CALICHE AND BLACK STAINED PATCHES, HEAVY BLACK STAINING AT 6 FT STRONG HYDROCARBON ODOR
			NO RECOVERY 5-6											
			12	12	G	400/600 7.9 [illegible]					6			
KAFB-ST2100 07[illegible]			24	22	G	[illegible]	VH	600	SM		7			7.5' SILTY SAND (SM) BROWN (7.5YR 5/4) MOIST, MED. DENSE, LOW EST IK, VFG SUBANG. SAND 15-20% SILT, 2% FG <1% MG BLACK STAINED PATCHES 5-10 mm COMMON, STRONG ODOR
									SP		8			8.75 SAND (SP) BROWN (7.5YR 4/3) MOIST, MED. DENSE, LOW-MOD. EST IK. VFG SUBANG. SAND 5-10% SILT, 10-15% FG. <1% MG. WEATHERED BIOTITE COMMON.
											9			
											10			

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2AS6 | Borehole/Well No.: ST210-07

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/PID	Analysis		Lithology Code	Depth (ft)
		↓	12	7	G	1/500 BZ / BT-HA/AS			SP/SW ↓	10–11.5
KAFB-ST210-07 12/14		↓	24	22	G	80-150 / 175-300 / BT-HA/AS 8.9	VOC	END 9/9/94	SM ↓	11.5–13.75
		↓	12	6	G	10/250 BT-BKGD 8.11			SP/SW ↓	13.75–16
		↓	12	12	G	200/2000 BT-HA/AS 8.10			SW ↓	19–21
KAFB-ST210-07-22/24, KAFB-ST210-99-22/24		↓	24	22	G	200-300 / 500-6500 BT-BKGD 8.10	VOC, VOC-R		SM ↓, SW/SP SP/SM	21.5–24
		↓	12	7	G	300/5000 BT-BKGD 8.10			SM, SC ↓	24–26

10' SAND (SP) BROWN (7.5YR 4/4) MOIST, MED. DENSE, LOW-MOD. EST. IK. VFG-FG SUBANG. SAND 5-10% SILT, 1-2% MG. OCCAS. VERTICAL CALICHE STRINGERS < 1mm WIDE, ~ 3-4mm LONG. OCCAS. WEATHERED BIOTITE

11.5 SILTY SAND (SM) BROWN (10YR 4/4) MOIST, MED. DENSE LOW-MOD. EST. IK, VFG-FG SUBANG. SAND. 5% CLAY, 15-20% SILT. 2-3% MG. WEATHERED BIOTITE COMMON

@ 13.6' 5-10% CLAY, 20-25% SILT, 1-2% MG 1-2% CA

13.75' SAND (SP) BROWN (10YR 4/6) MOIST, MED. DENSE, LOW-MOD. EST. IK, VFG-FG SUBANG. SAND. 5-10% SILT 1% MG. WEATHERED BIOTITE COMMON

15-16' SAME AS AT 13.75

19' SAND (SP) DARK YELLOW BROWN (10YR 4/6) MOIST, MED. DENSE MOD. EST. IK, VFG SUBANG. SAND. 5-10% SILT, 10-15% FG.

21.5' SILTY SAND (SM) DARK YELLOW BROWN (10YR 4/6) MOIST-DAMP (w/ FUEL) LOW-MOD EST. IK, VFG SUBRND SAND 5% CLAY 20-30% SILT.
- FREE PRODUCT "BOILING" OUT OF SAMPLES

23.25 SAND (SP) YELLOWISH BROWN (10YR 5/4) MOIST, MED. DENSE MOD. EST. IK, VFG-FG SUBANG SAND 5-10% SILT, 5% MG 5% CG. OCCAS. SUBRND PEBBLES TO 6mm Ø.

23.75 SILTY SAND (SM) BROWN (10YR 4/3) MOIST, MED. DENSE, LOW-MOD EST IK VFG SUBANG. SAND 15-25% SILT. CALICHE PATCHES TO 7mm Ø.

25' CLAYEY SAND (SC) DARK YELLOW BROWN (10YR 4/6) MOIST. MOD. DENSE LOW EST. IK, VFG-FG SUBANG. SAND. 10-15% CLAY. 20-25% SILT, 5% MG 1% CG.

1" THICK SC LAYER AT 26 FT.

FC SAMPLE DO REP 22-24

Duplicate

BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56

Borehole/Well No.: ST210-07

Notes:

Sample ID	Inches Driven	Inches Recov'd	Sample Cond.	HNu/FID	Analysis	Lithology Code	Depth (ft)	Notes
	12	10	6			STCL / SAND	30–31	30.5-30.6 CLAYEY SILT (ML) GRAYISH BROWN (2.5YR 5/2) MOIST, MED. STIFF, LOW EST. IK. 20-25% CLAY. IRON OXIDE STAINED CONTACT WITH UPPER UNIT.
							31–32	30.6 SAND (SP) YELLOWISH BROWN (10YR 5/4) MOIST, LOOSE-MED. DENSE, MOD-HIGH EST. IK, MG SUBANG SAND 5% SILT, 1FG 1% CG.
KAFB-ST210-07-3236 / KAFB-ST210-07-3236	24	22	6	10:00/050; BZ: 40-60 7.9	SVOC DRO; SVOC DRO; METALS Hg pH MOIST.	SAND	32–34	32-34' SAND (SP) GRADING BETWEEN MG, CG, FG. W/ OCCAS. RND PEBBLES TO 15mm Ø
	24	21	6	2-6/12-20 7.9	METALS Hg pH MOIST; VOC GRO; VOC GRO	SAND	34–36	34' SAND (SP) LIGHT BROWNISH GRAY (2.5YR 6/2) DRY, DENSE, MOD. EST IK FG-MG SUBANG SAND. 2-3% VFG. 5-10% CG, OCCAS. RND PEBBLES TO 10mm Ø. 34.5' SAND (SP) SAME AS AT 30.6'
							36–39	
						SAND	39–40	GRADATIONAL CONTACT
	12	8	6	0/10			40–42	SAND (SP) LT YELLOW BROWN (10YR 6/4) MOIST. LOOSE-MED. DENSE HIGH EST. IK, MG SUBANG SAND 1% VFG 1% FG 10-15% CG. OCCAS. RND PEBBLES TO 7mm Ø
DUP-ST210-07-42	24	22	6	0/2.5-5; BZ: 60/100 0.10	SVOC DRO; VOC GRO; METALS Hg pH MOIST.	STCL / SPVF	42–44	42' SILTY CLAY (ML) BROWN (7.5YR 4/3) MOIST, STIFF, LOW EST. IK, 30-35% SILT. 42.75 SAND (SP) BROWNISH YELLOW (10YR 6/6) MOIST. MED DENSE MED EST. IK, VFG SUBANG SAND, 5-10% SILT, 10-15% FG <1% MG. @ 43.75 HEAVILY CEMENTED W/ CALICHE WHITE (5YR 8/1)
	12	11		3/15		SPVF / SPFM	44–46	44.5 SAND (SP) REDDISH YELLOW (7.5YR 6/6) MOIST. MED. DENSE MED-HIGH EST IK, VFG-FG SUBANG SAND. 2-3% SILT. OCCAS. CALICHE STRINGERS (4mm WIDE 1-2mm LONG) RARE RND PEBBLES TO 10mm Ø.
							46–49	
	24	23	6	0/3; BZ: 80/100 0.0			49–50	49-51 SAME AS AT 44.5 FT

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56

Borehole/Well No.: STZ10-07

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/PID	Analysis		Lithology Code	Depth (ft)	Recovery	Contact
		↓	24						↓	51		
									SAND	52		////
KAFB-STZ10-07 52-54		↓	24	22	G	0-1/3-7 PPB 120/100 BZ-10	SVOC, VOC, NEARLY H₂ AT [illegible]	TPO, GRO	↓	53		
										54		
										55		
		↓	24	19	G	3/5 BZ=180-190 BZ=10			↓	56		
										57		TD
										58		
										59		
										60		
										1		
										2		
										3		
										4		
										5		
										6		
										7		
										8		
										9		
										0		

GRADATIONAL CONTACT.

51.5 SAND (SW) [illegible] BROWN (7.5YR 5/6) MOIST. LOOSE AND DENSE. [illegible]-[illegible] EST. 1F, MG SUBANG. SAND 1-2% SILT. 3-5% FG. 5-10% VFG. 10-15% CG. [illegible]. [illegible] PEBBLES TO 15 mm Φ

55-57' SAME AS AT 51.5', CG AT TOP GRADING DOWNWARD TO MG-VFG AT 57'

PROFESSIONAL GEOLOGIST
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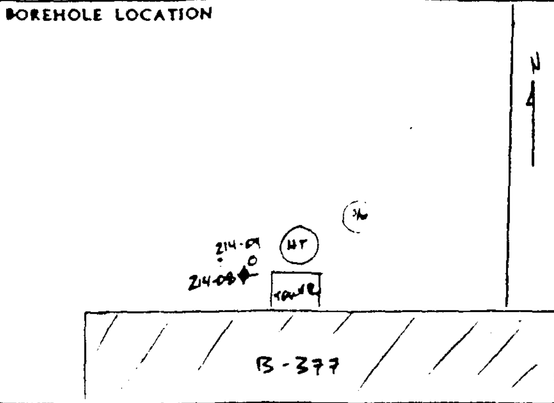
PG-1990
WYOMING
[signature]

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B		Borehole/Well No: ST210-08
		Job No: 2A56
Logged By: J. Pavletich		Edited By: [illegible]
Project Manager: K. Walter		Drill Rig: Geoprobe
Drilling Contractor: BRE		
Driller/Helper: ~~B. Wolfe~~ S. CAMP		
Drilling Method: Geoprobe	Construction Method Code: Y (driven), HA = Hand Augered	
Sample Method: LARGE-BORE SAMPLER		
Hammer Weight/Drop: N.A.		Borehole Diameter: 1.375'
Started, Time: 0845/6-8-94	1315-6/8/94	Date: 6-8-94
Completed, Time: 1340/6-8-94	1815-6/8/94	Date:

Notes: RESAMPLE OF SITE, THIS BORING ABOUT 15 FT SOUTHWEST OF ORIGINAL BORING ST210-04

6/9/94 BACKGROUND γ: 10 μR/HR
6/8/94 BACKGROUND γ = 9 μR/HR
8' 15'

HNu/FID	0/2	0/6					
β-γ (cpm)	20-80	40-80					
Time	1320	0908					
Date	6-8-94	6-9-94					

Total Depth: 57 FT | Casing Depth:

Screened Interval:

Sand Pack, #3: | #0:

Well Development Method:

Time: | Date: | Flow Rate:

Geophysical Logs, Type:

By: | Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses		Lithology Code	Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
									SM	0			SILTY SAND (SM) BROWN (7.5YR 5/6) MOIST, MED. DENSE, MOD. EST. 1K, VFG-FG SUBANG. SAND 15% SILT, 5% [illegible], 1% [illegible]. SCATTERED PEBBLES TO 20mm Ø ON SURFACE
										1			
										2			
										3			
									SM	4		?	4'? SILTY SAND (SM) BROWN (7.5YR 5/6) MOIST, MED. DENSE, MOD. EST 1K, VFG SUBANG. SAND. <1% CLAY 20% SILT. RARE PEBBLES TO 4mm Ø CALICHE STAINED/MOTTLED. W/ PATCHES TO 20mm Ø
		↓	12	12	6	0/2 β-γ 40/120 γ: 10				5			
										6			
									SP/F	7		?	7.5'? SAND (SP) BROWN (7.5YR 5/6) MOIST, MED. DENSE, MOD. EST. 1K, VFG SUBANG. SAND. 5-10% SILT, RARE SUBANG. PEBBLES TO 4mm Ø, MOTTLED W/ CALICHE. BLACK STAINS AT ABOUT 9.25' NO ODOR
KAFB-ST210-08 8-10		↓	24	22	6	0/2 β-γ 60/100 γ: 10	VOC			8			
										9			
										10			

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56

Borehole / Well No.: ST210-08

Notes:

Sample ID	Sampler Type	Blows / 6 inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/PID	Analysis		Lithology Code	Depth (ft)	Recovery	Contact	Notes
										11			
										12			
										13			
									SDVF-SDFN	14		?	14'? SAND (SP) BROWN (7.5YR 5/6) MOIST, MED. DENSE, MOD. EST. IK, VFG-FG SUBANG. SAND. 5-10% SILT, RARE SUBANG PEBBLES TO 5mm ⌀ NOTICEABLE HYDROCARBON ODOR
KAFB-ST210-08-15-17		↓	24	22	G	[illegible]	VOC		SDSM	15–17	X		16.25' SILTY SAND (SM) BROWN (7.5YR 5/6) MOIST, MED. DENSE, LOW-MOD. EST. IK, VFG-FG SUBANG. SAND, 5% CLAY, 15% SILT, 1% MG. OCCAS. SUBRND PEBBLES TO 5mm ⌀.
										18			
									SDCL	19		?	19'? CLAYEY SAND (SC) BROWN (7.5YR 4/6) MOIST, MED DENSE, LOW EST. IK, VFG-FG SUBANG SAND. 30% CLAY 15% SILT, ABUND. WEATHERED BIOTITE. NOTICEABLE ODOR
		↓	12	12	G	[illegible]			SDVF-SDFN	20–21	X		20.25' SAND (SP) YELLOWISH BROWN (10YR 5/6) MOIST MOD. DENSE. MOD. EST. IK, VFG-FG SUBANG SAND. 5-10% SILT, 2-3% MG. OCCAS. SUBANG. PEBBLES TO 4mm ⌀. NOTICEABLE ODOR
										22			
										23			
									SDSM	24		?	24' SILTY SAND (SM) BROWN (7.5YR 5/4) MOIST, MED. DENSE, LOW-MOD. EST IK, VFG-FG SUBANG. SAND. 15% SILT. 2-3% MG, OCCAS. SUBANG PEBBLES TO 3mm ⌀. STRONG ODOR
KAFB-ST210-08 25-27		↓	24	22	G	[illegible] 8:11	VOC		SLCL	25–27	X		26-26.5 OF STAINED SAND; THIN INTERBEDDED ~½" THICK
													26.75 CLAYEY SILT (ML) BROWN (7.5YR 4/4) STIFF, LOW EST IK, 20-30% CLAY. BLACK MOTTLING PRESENT.
									SDVF-SDFN	27–28			26.9' SAND (SP) BROWN (7.5YR 4/4) MOIST, DENSE, LOW-MOD EST. IK, VFG-FG SUBANG. SAND, 5-10% SILT, 5% MG, ABUND. WEATHERED BIOTITE, STRONG ODOR.
									SDFN-SDMD	29–30		?	

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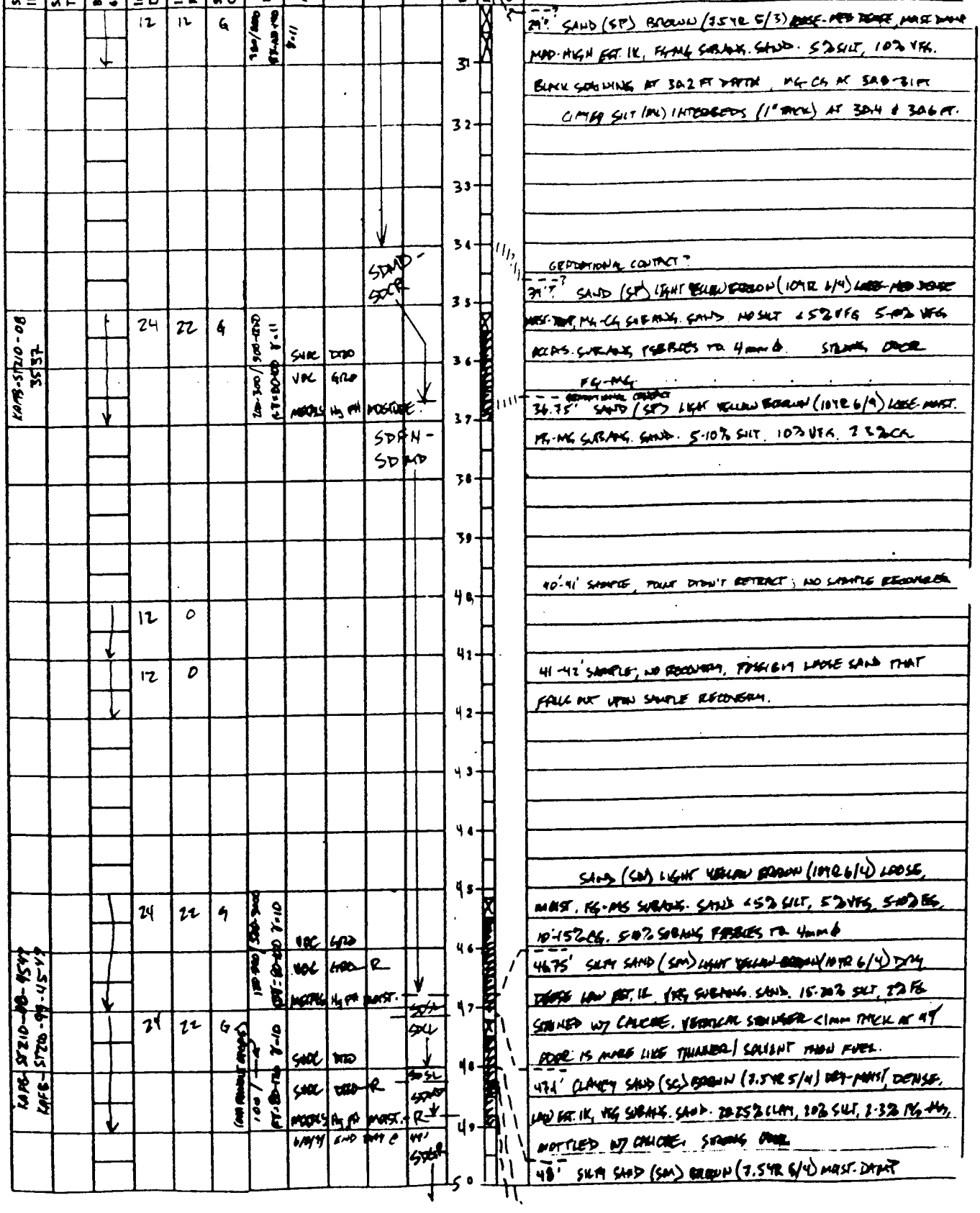
BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56 | Borehole / Well No.: SB210-08

Notes:



29' SAND (SP) BROWN (7.5YR 5/3) LOOSE-MED DENSE, MOIST-WET, MOD-HIGH EST. IK, FG-MG SUBANG. SAND. 5% SILT, 10% VFG. BLACK SPECKLING AT 30.2 FT DEPTH, MG-CG AT 30.8-31 FT

CLAYEY SILT (ML) INTERBEDS (1" THICK) AT 30.4 & 30.6 FT.

GRADATIONAL CONTACT?

34' SAND (SP) LIGHT YELLOW BROWN (10YR 6/4) LOOSE-MED DENSE, WET-SAT, MG-CG SUBANG. SAND, NO SILT, <5% VFG, 5-10% VFG ACCES. SUBANG. PEBBLES TO 4mm Ø. STRONG ODOR

FG-MG

GRADATIONAL CONTACT

36.75' SAND (SP) LIGHT YELLOW BROWN (10YR 6/4) LOOSE, MOIST. FG-MG SUBANG. SAND. 5-10% SILT, 10% VFG, 2-3% CG

40'-41' SAMPLE, TOOL DIDN'T RETRACT; NO SAMPLE RECOVERED

41-42' SAMPLE, NO RECOVERY, PRESUMED LOOSE SAND THAT FALLS OUT WHEN SAMPLE RECOVERED.

SAND (SP) LIGHT YELLOW BROWN (10YR 6/4) LOOSE, MOIST, FG-MG SUBANG. SAND, <5% SILT, 5% VFG, 5-10% FG, 10-15% CG, 5-10% SUBANG PEBBLES TO 4mm Ø

46.75' SILTY SAND (SM) LIGHT YELLOW-BROWN (10YR 6/4) DRY, LOOSE-LOW EST. IK, VFG SUBANG. SAND, 15-20% SILT, 2% FG STAINED W/ CALCITE. VERTICAL STAINING <1mm THICK AT 47' ODOR IS MORE LIKE THINNER/SOLVENT THAN FUEL.

47.4' CLAYEY SAND (SC) BROWN (7.5YR 5/4) DRY-MOIST, DENSE, LOW EST. IK, VFG SUBANG. SAND. 20-25% CLAY, 20% SILT, 2-3% FG, MG, MOTTLED W/ CALCITE. STRONG ODOR

48' SILTY SAND (SM) BROWN (7.5YR 6/4) MOIST. DRIFT

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No. KAFB 2B 2A56

Borehole / Well No.: SS 210-08

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNU/PID	Analysis		Lithology Code		Depth (ft)	Recovery	Contact	Notes
								START 6/5/91			50			MED. DENSE, LOW-MOD. EST 1R, VFG-FG SUBANG. SAND, 15-20% SILT.
			50-54' LITHOLOGY SAMPLE; NO [illegible] V.HARD 50-54', [illegible] [illegible] [illegible]											5% MG.
			FELL OUT OF SAMPLE TUBE DURING SAMPLER RETRIEVAL								51			49.25' SAND (SP) GRAY-LIGHT BROWN (7.5YR 7/1-7/3) DRY
														DENSE, MOD.-HIGH EST. 1R, MG SUBANG. SAND. NO SILT, +2% VFG
											52			2-5% FG, 10-15% CG. BECOMING COARSER W/ DEPTH. AT 49'
														49.75 GRAVELLY SAND (SW) (7.5YR 6/3) DRY DENSE. MOD.-HIGH
											53			EST 1R. MG-CG SUBANG-SUBRND SAND. 1-2% VFG, 5% FG. 15-
														25% SUBRND PEBBLES TO 6mm Ø
											54			GRADATIONAL CONTACT?
									SAND					54'? SAND (SP) LT. BROWN (7.5YR 6/5) DRY-MOIST, DENSE-V. DENSE
											55			HIGH EST 1R, MG SUBRND SAND. 5% SILT & VFG, 5-10% FG, 15-20%
SS210-08 5557			24	22	G	23/5-16 RE-RDAD 7"11	VOC	GRO						CG, +5% SUBRND PEBBLES TO 7mm Ø
							SVOC	DRO			56			FR @ 56-57.
							METALS	Hg [illegible] WEST.						@ 57' VERY DENSE WEATHERED GRANITE IN SAMPLE SHOE, POSSIBLY
											57		T.D.	FROM LARGE BOULDER.
											58			** NOTE: STUCK RODS IN HOLE AT 57'. MANAGED TO
														RECOVER 26 FT OF RODS; 29 FT LEFT IN HOLE (24-57 FT)
											59			
											60			
											1			
											2			
											3			
											4			
											5			
											6			
											7			
											8			
											9			
											0			

PROFESSIONAL GEOLOGIST
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[signature]

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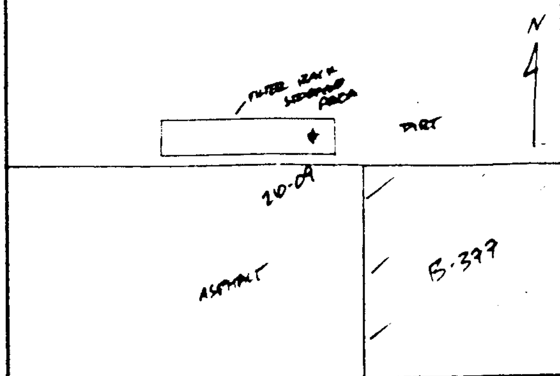
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project:	KAFB Stage 2B
Borehole/Well No:	ST210-09
Job No:	2A56
Logged By:	J. Pavletich
Edited By:	[illegible]
Project Manager:	K. Walter
Drill Rig:	Geoprobe
Drilling Contractor:	BRE
Driller/Helper:	~~B. Wolfe~~ S. CAMP
Drilling Method:	Geoprobe Construction Method Code ✓ Y (driven), HA = Hand Augered
Sample Method:	LARE BARE SAMPLER
Hammer Weight/Drop:	N.A.
Borehole Diameter:	1.375"
Started, Time:	1520 Date: 6-15-94
Completed, Time:	1559 Date: 6-15-94

Notes:
1.5

BACKGROUND γ = 9 µR/HR

HNu/FID	0/5
β-γ (cpm)	80-120
Time	1520
Date	6-15-94

Total Depth:	7 FT
Casing Depth:	
Screened Interval:	
Sand Pack, #3:	#0:
Well Development Method:	
Time:	Date: Flow Rate:
Geophysical Logs, Type:	
By:	Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses		Lithology Code	Depth in Feet	LITHOLOGIC DESCRIPTIONS
									SDFF / SDFN	0–1	SAND (SP) BROWN (7.5YR 5/6) DRY, LOOSE, HIGH EST. K, VFG-FG SUBANG. SAND 2-3% SILT, 5% MG 5-10% CG. 1-2% SUBRND PEBBLES TO 6mm ϕ ANGULAR GRAVEL TO 1½" ϕ ON GROUND SURFACE
KAFB-ST210-09 0103		↓	24	14	6	0/7 (1 µR/HR) BACKGROUND 0/0	SVOC / VOC / METALS Hg pH MOISTURE	TPH / GRO		1–3	2.75' SILTY SAND (SM) PALE BROWN (10YR 8/4) DRY, DENSE LOW EST. K VFG-FG SUBANG. SAND. 15% SILT. 1-2% MG 1% CG. OCCAS. SUBANG PEBBLES TO 4mm ϕ. HEAVILY CALICHE STAINED
									SDSM	3–5	
KAFB-ST210-09 0507		↓	24	22	6	0/2.5 (µR/HR) BACKGROUND 0/0	SVOC / VOC / METALS Hg pH MOISTURE	TPH / GRO		5–7	5-7' SAME AS AT 2.75'
										7–10	

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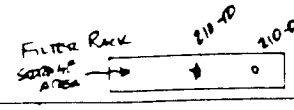
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: ST210-10
	Job No: 2A56
Logged By: J Pavletich	Edited By:
Project Manager: K. Walter	Drill Rig: Geoprobe
Drilling Contractor: BTCE	
Driller/Helper: ~~B. Wolfe~~ S CAMP	
Drilling Method: Geoprobe Construction Method Code = V (driven), HA = Hand Augered	
Sample Method: LARGE BORE SAMPLER	
Hammer Weight/Drop: NA	Borehole Diameter: 1 3/5"
Started, Time: 1600	Date: 6-15-94
Completed, Time: 1635	Date: 6-15-94

Notes:
1', 5'

BACKGROUND β: 10 mR/HR

HNu/PID	0/6					
β-γ (cpm)	60-100					
Time	1600					
Date	6-15-94					

Total Depth: 7 FT — Casing Depth:
Screened Interval:
Sand Pack, #3: — #0:
Well Development Method:
Time: — Date: — Flow Rate:
Geophysical Logs, Type:
By: — Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/PID Reading	Analyses		Lithology Code	Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
									SDF STF				SAND (SP) BROWN (7.5YR 5/6) DRY, LOOSE, HIGH EST
KAFB-ST210-10 0123			24	21	G	0/5 (BKG) 0-0	SVOC	TCLP		1			1% VFG-FG SUBANG SAND 2-5% SLT, 2-3% MG, 5-10% CG, 1-2% SUBROUND PEBBLES TO 8mm Ø. ANGULAR GRAVEL TO 1½" Ø ON GROUND SURFACE
							VOC	TCLP		2			SMALL BLACK STAINED PIECES AT 1.5 FT DEPTH
							METALS	Hg, pH					2.5% SILTY SAND (SM) VERY PALE BROWN (10YR 7/4) DRY, LOOSE, LOW
									STF	3			EST. 1% VFG-FG SUBANG SAND 15-20% SLT, 2-3% MG. HEAVILY STAINED W/ CALICHE.
										4			
										5			5-6 FT; MINOR CALICHE STAINING
KAFB-ST210-10 0507			24	22	G	0/5 (BKG) 0-0	SVOC	TCLP		6			6-6.5 FT SUBANG GRAVEL TO 15mm Ø.
							VOC	TCLP					6.5-7 FT MINOR CALICHE STAINING.
							METALS	Hg, pH		7			
										8			
										9			
										10			

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WYOMING

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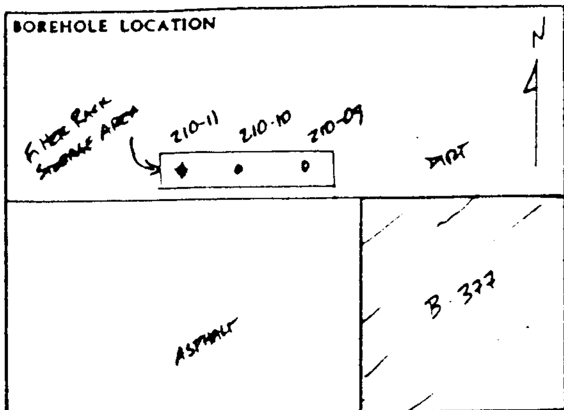
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: ST 210-11
	Job No: 2A56
Logged By: J. Pavletich	Edited By: [initials]
Project Manager: K. Walter	Drill Rig: Geoprobe
Drilling Contractor: ECE	
Driller/Helper: ~~D. Wolfe~~ S. CAMP	
Drilling Method: Geoprobe Construction Method Code: V (driven), HA = Hand Augered	
Sample Method: LARGE BORE SAMPLER	
Hammer Weight/Drop: N.A.	Borehole Diameter: 1.395'
Started, Time: 1640	Date: 6-15-94
Completed, Time: 1725	Date: 6-15-94

Notes:
1.5'

BACKGROUND 8-9 µR/HR

HNu/FID	0/4
β-γ (cpm)	60-80
Time	1635
Date	6-15-94

Total Depth: 9 FT.
Screened Interval:
Sand Pack, #3:
Well Development Method:
Time: Date: Flow Rate:
Geophysical Logs, Type:
By:

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Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses		Lithology Code	Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTION
									SDVF-SDFN	0–1			SAND (SP) BROWN (7.5YR 5/6) DRY, LOOSE, HIGH EST. IK VFG-FG SUBANG SAND. 3-5% SILT, 2-3% M. 5-10% CG, 1-2% SUBRND PEBBLES TO 5mm Ø. ANGULAR GRAVEL TO 1½" Ø ON GROUND SURFACE
						0/4 β-γ 60-80 7-7	SVOC	TPO		2			
KAFB-ST210-11-0105 / KAFB-ST210-11-0105		↓	24	20	6		SVOC / METALS	TPO-R / Hg pH MOISTURE	SDVF-SDFN	2.25		gradational contact	2.25' SAND (SP) YELLOWISH BROWN (10YR 5/6) MOIST, MED. DENSE. MED. EST. IK, VFG-FG SUBANG. SAND. 1-2% CG, RARE SUBRND PEBBLES TO 5mm Ø
		↓	24	20	6	0/5 (TRIAX) β-γ 60-80 7-10				3–4			3-5 STAINED W/ CALICHE, VERY PALE BROWN (10YR 7/4)
			24	22	6	0/4 β-γ 60-80 7-10	SVOC	TPO	SM	5			5.25 SILTY SAND (SM) YELLOWISH BROWN (10YR 5/6) MOIST, DENSE. LOW EST. IK. VFG-FG SUBANG. SAND. 10-15% SILT, 2-3% MG. 1% SUBANG PEBBLES TO 5mm Ø CALICHE STAINED & PIECES TO 10mm Ø
MS/MSD		↓					SVOC / METALS	TPO-MS/MSD / Hg pH MOISTURE		6–7			7.25' CLAYEY SAND (SC) YELLOWISH BROWN (10YR 5/6) MOIST, MED DENSE, LOW EST. IK, VFG-FG SUBANG SAND. 10-15% CLAY 15-20% SILT. 1-2% MG. MOTTLED W/ CALICHE
KAFB-ST210-11-0505 / KAFB-ST210-11-0505		↓	24	22	6	0/4 β-γ 60-80 7-10	METALS / VOC / TPH	Hg pH MOISTURE / GRO / GRO-MS/MSD	SC/L MS/MSD / SM	8			8.5' SILTY SAND (SM) YELLOWISH BROWN (10YR 5/4) MOIST, MED DENSE, LOW EST. IK. VFG SUBANG SAND. 15-20% SILT, OCCAS. SUBANG PEBBLES TO 5mm Ø
										9		T.D.	
										10			

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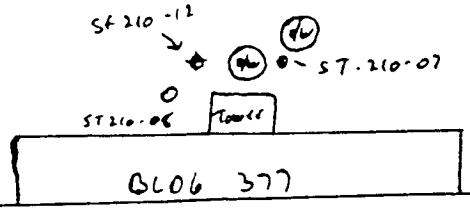
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: ST-210-12
	Job No: 2A56
Logged By: L BASILIO	Edited By: JP
Project Manager: K. Walter	Drill Rig: Mobile B-61
Drilling Contractor: ENVIRONMENTAL WEST	
Driller/Helper: R. McKorkle	
Drilling Method: Hollow Stem Auger	
Sample Method: Brass Rings	
Hammer Weight/Drop: 140 lbs / 40 inches	Borehole Diameter: 8" OD
Started, Time: 0940	Date: 7/6/94
Completed, Time: 1015	Date: 7/7/94

Notes: FID used in screening

~~HNu~~/FID (ppm)	3	3.5					
~~Organic Vapor~~ uR/hr	10	10					
Time	0930	0740					
Date	7/6/94	7/7/94					

Total Depth: 153 Casing Depth:

Screened Interval:

Sand Pack, #3: #0:

Well Development Method:

Time: Date: Flow Rate:

Geophysical Logs, Type:

By: Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analytes		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact
KAFB ST210-12-4754			24	22	G	10-110	METALS		SD WD-SPGR		1 2 3 4 55 56 57 58 59 60		

LITHOLOGIC DESCRIPTIONS

Boring ST-210-12 is a follow on boring to ST-210-08 using a hollow stem auger drilling rig to continue groyrobe investigation

Will drill to 57 ft (BLS), the last groyrobe sample depth, and continue sampling at 57 ft

Sand (SP) - light brown (10YR7/3) medium to coarse grained, fair to good sort, subang, dense, dry to sl moist, 5% silt

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BOREHOLE / WELL CONSTRUCTION LOG (cont.) Page 2 of 6

Project / Job No.: KAFB 2B 2A56 | Borehole/Well No.: ST-210-12

Notes:

Sample ID	Sampler Type	Blows / 6 inch	Inches Driven	Inches Recv'd	Sample Cond.	HNu/PID	Analysis		Lithology Code	Depth (ft)	Recovery	Content
										0		
										1		
										2		
										3		
										4		
										5		
		↑	24	15	G	15			SOCR	6		
		↓	γ=	9						7		
										8		
									COBL	9		
										10		
KAFB-ST210-12-7072		↑	24	18	G	20 20	metal		SOCR	1		
		↓	γ=	7		7 10	voc	soil		2		
										3		
										4		
										5		
		↑	24	18	G	7			SOCR	6		
		↓	γ=	7						7		
										8		
										9		
										10		

SAND (SP) light gray (10 YR 7/2) coarse grained, uncons, subang, < 5% silt, dry, trace to abnd lithic frag

Driller hits rock at 68 ft

69'

SAND (SP) A/A, clear otz chert in shoe of sampler, abnt lithic fragments (4 to 5 mm)

SAND (SP) pale brown (10 YR 6/3) coarse grained, uncons, silt < 5%, subang, good sort, dry, chert nodules (10-20 mm) at base

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BOREHOLE / WELL CONSTRUCTION LOG (cont.) Page 3 of 6

Project / Job No.: KAFB 2B 2A56 | Borehole/Well No.: SF-210-12

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	PID/FID	Analysis		Lithology Code	Depth (ft)	Recovery	Contact	
KAFB-SF12-0002			24	22	G	3 5	moist		SOCK	0			SAND (SP) light brownish gray (10 YR 6/2), coarse grained, uncons, subang - subrnd, fair to good sort, scattered granitic fragments (2-10 mm) < 5% silt, dry
		γ=		9		7 4	vac	surf		1			
										2			
										3			
										4			
										5			
			24	20	G	6			SOCK	6			Sand A/A abundant granitic fragments scattered throughout (2-8 mm)
		γ=		8						7			
										8			
										9			
KAFB-SF12-0012			24	24	G	3 3	vac	surf	SOCK	10			SAND (SP) brown (10 YR 5/3) coarse grained, unconsolidated, subang - subrnd, fair sort, scattered chert and granite frags (4-20 mm)
		γ=		8		3 3	moist			1			
										2			
										3			— 93 FT?
										4			
										5			
			24	18	G	3			SILT	6			SILT (ML) light brown (7.5 YR 6/4) clayey to very clayey at top, mod dense, looser towards base, pebbly 20% at 96 ft
		γ=		8						7			
										8			
										9			
										10			

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56 | Borehole / Well No.: ST 210-12

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recv'd	Sample Cond.	HNu/PID	Analysis		Lithology Code	Depth (ft)	Recovery	Contact	Description
KAFB-ST210 12-10d103			24	22	G	3 3	VOC	SVOC	SDVF	100		?	SAND (SM) brown (10YR 5/3) very fine grained, mod dense, silty (10%), occ lithic fragments (2-6 mm)
			γ=	8		3 3	METALS			1			
										2			
										3			
										4			
										5		?	104?
			24	12	G	6			SDFN	6			SAND (SM) Grayish brown (10YR 5/2) fine grained, subang - subrnd, coarser towards base, sat. silty (15%) trace (5%) lithic fragments
			γ=	7						7			
										8			
										9		?	104'?
										10			
KAFB-ST210 12-11d112			24	18	G	3 3	VOC	SVOC	SD	11			SAND (SP) yellowish brown (10YR 5/4) coarse grained to medium grained at top, uncons, subang, abund lithic fragments (2-6 mm), dry to damp
			γ=	6		4 3	METALS			2			
										3			
										4			
										5			
			24	15	G	3			SD	6			SAND (SP) light gray (10YR 7/2) medium to coarse grained, uncons, dry
			γ=	8						7			
										8			
										9			
										12			

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56 | Borehole/Well No.: 57-210-12

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recvd	Sample Cond.	PID/FID	Analysis		Lithology Code	Depth (ft)	Recovery	Contact	
KAFB 57210 12-120132			24	17	G	C			SDMD SDCB	120			SAND (SP) yellow (10 YR 8/6), dominant medium grain, some coarse grained, uncons, subang, < 5% silt, trace of lithic fragments (2-6 mm), dry
		γ=	8				VOC SVOC metals			1			
										2			
										3			Resume drilling 7/7/94 0715 hr at 120 feet
										4			
										125			Sand (SP) very pale brown (10 YR 7/3) medium to coarse grain, finer grained towards base, poor sort, uncons, subang - ang, some subrnd, abndt lithic frags at 127 ft otherwise scattered throughout, < 5% silt
			24	18	G	5			SDMD SDCB	6			
		γ=	9							7			
										8			
										9			
									SDMD SDCB	130			
KAFB 57210 12-130132			24	18	G	120 20	VOC SVOC metals		SDMD	1			SAND (SP) very pale brown (10 YR 8/2) medium to coarse grained, uncons, ang - subrnd, fair sort, trace (5%) pebbles (2-6 mm), no odor
		γ=	8			15 125				2			
										3			
										4		?	
													134?
			24	15	G	17			SDMD SDSN	135			Sand (SM) light yellowish brown (10 YR 6/4), medium grained, some fine grained, uncons, fair sort, silty (10%), trace subrounded pebbles up to 4 mm near top, no odor
		γ=	8							6			
										7			
										8			
										9		?	
										140			

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56 | Borehole / Well No.: SP 210 - 12

Notes: ~9 - 153'?

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/PID	Analysis		Laboratory Code		Depth (ft)	Recovery	Contact	Description
KAPO-SP210-12-140/142 KAFB-SP210-12-140/142			24	24	G	20	VOC	SVOC	SDMD	SOCR	140			SAND (SP) very pale brown (10YR 8/2) medium grained, some coarse, uncons, poor sort, subrnd to subang, lithic fragments common, rounded to subrnd (2-4 mm), < 5% silt
						17	VOC	SVOC			1			
		γ =	8			14	metals							
						30	metals				2			
											3			
											4			
											145			
			24	12	G	4					6			SAND (SP) light gray (10YR 7/1) medium to coarse grained, coarser at top, fair sort, uncons, subang-subrnd, occ rounded pebbles (2-10 mm) < 5% silt
									SDMD	SOCR	7			
		γ =	9											
KAPO-SP210-12-150/152 KAFB-SP210-12-150/152 MS/MSD											8			
											9			
											150			
			24	24	G	25								SAND (SP) light gray (10YR 7/2) medium to coarse grained, uncons, fair sort, subang-subrnd, scattered rounded pebbles (2-4mm) < 5% silt
						17	VOC	SVOC			1			
		γ =	9			20	metals		SDMD	SOCR				
KAPO-SP210-12-153 KAFB-SP210-12-153						50	metals				2			
			12	6	G									
						12	VOC	SVOC			153			
		γ =	9											TD = 153 Feet
											4			
											5			
											6			
											7			
											8			
											9			
											0			

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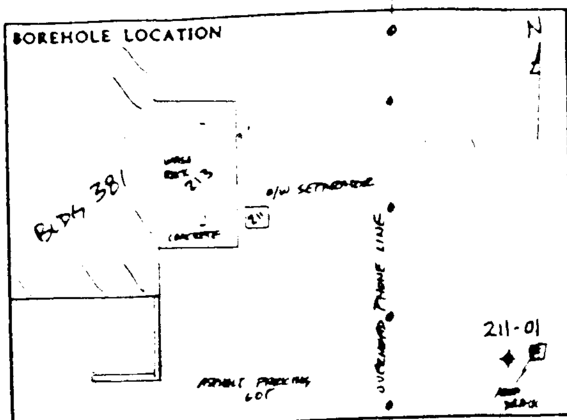
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: ST-211-01
	Job No: 2A56
Logged By: J. Pavleuch	Edited By: JP
Project Manager: K. Walter	Drill Rig: Geoprobe
Drilling Contractor: BRE	
Driller/Helper: B. Wolfe / S. CAMP	
Drilling Method: Geoprobe Construction Method Code = V (driven), HA = Hand Augered	
Sample Method: LARGE - BORE SAMPLER	
Hammer Weight/Drop: NA	Borehole Diameter: 1.375'
Started, Time: 0900	Date: 5-2-94
Completed, Time: 1030	Date: 5-2-94

HNu/PID	0.2/2.0				
β-γ (cpm)	80-100				
Time	0905				
Date	5-2-94				

Notes: BACKGROUND HOLE FOR ST-211, -212, -213   7, 12

BACKGROUND VALUES γ = 9-11 μR/hr

SAMPLE SPLITS TAKEN FOR EPA ARE NOTED AS (PRC) AFTER ANALYSES

Total Depth: 16 FT   Casing Depth:

Screened Interval:

Sand Pack, #3:   #0:

Well Development Method:

Time: Date: Flow Rate:

Geophysical Logs, Type:

By: Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/PID Reading	Analyses		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
									SDVF-SDFN		0–4			ASPHALT 3-4" THICK SAND (SP) BROWN (7.5YR 5/4) MOIST, MED. DENSE, LOW-MED. EST IK, VFG-FG SUBANG. SAND. 5% SILT, 5% MG, 1-2% CG.
		↓	12	12	6	0.2/2 80-100 cpm			SDSM		4–8		?	4'? SILTY SAND (SM) BROWN (10YR 6/4) MOIST, MED DENSE LOW EST IK, VFG SUBANG. SAND, 5% CLAY, 15-20% SILT, 5% MG. OCCAS. RND PEBBLES TO 4mm ϕ. MOTTLED & STAINED W/ CALICHE THROUGHOUT. 8.5' SAND (SP) BROWN (7.5YR 5/6 MOIST, MED. DENSE, LOW-MED EST IK VFG-FG SUBANG SAND, 5-10% SILT, 5% MG SUBANG. PEBBLES TO 3mm ϕ COMMON.
KAFB-ST211-01-0709		↓	24	22	6	0.2/2 15-2 40-80 cpm	SVOC DRO GRO (PRC) METALS BY ...	MOIST		SDVF-SDFN	8–9			
		↓	24	22	6	0.2/1.8 7.8-80-100	(SPLIT)				9–10			

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2AS6

Borehole / Well No.: SS-211-01

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Cond.	HNu/FID	Analysis		Lithology Code	Depth (ft)	Recovery	Contact
KAFB-SS211-01 12/16			24	22	G	0/45	(VOC - PRC) VOC		SP/SM	11		
									SM/SP	12		
			24	22	G	0/45	SVOC TPHD GRID (PRC) METALS Hg PH		SP/SM	13		
						0/45 A-B-BD-100FM	(PRC) VOC	EXTRA	SP/SM	14		
									SM/SP	15		
									SM	16		TD
										17		
										18		
										19		
										20		
										1		
										2		
										3		
										4		
										5		
										6		
										7		
										8		
										9		
										0		

10.5' SAND (SW) BROWN (7.5YR 5/6) MOIST, MED DE
LOW EST IK, VFG SUBANG SAND, 10% SILT, 15-20% FG,
5-10% MG, 1-2% CG, OCCAS SUBANG-SUBRND PEBBLES TO
3mm Ø

11.5' SILTY SAND (SM) BROWN (7.5YR 5/4) MOIST, MED DENSE
LOW EST IK, VFG-FG SUBANG SAND, 5-10% CLAY, 15-20% SILT,
5-10% MG, 1-2% CG, OCCAS SUBANG PEBBLES TO 3mm Ø.
COARSER LAYER AT 13.5'-14' (10-15% SUBANG PEBBLES)

13.5' SAND (SP) BROWN (10YR 4/6) MOIST, MED DENSE,
LOW EST IK, VFG-FG SUBANG SAND, 10% SILT, 5% MG.
WEATHERED BASALTIC COMPOSITION.

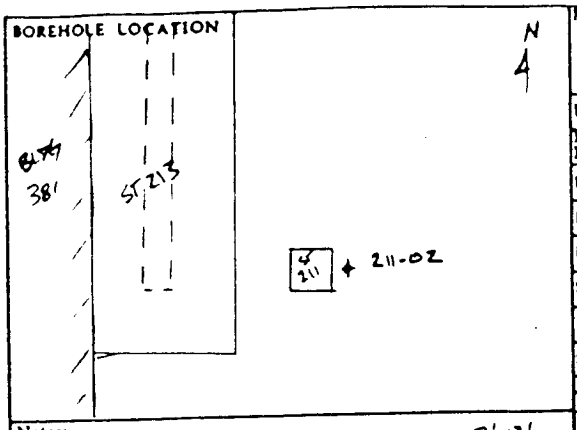
15.5 SILTY SAND (SM) BROWN (7.5YR 5/6) MOIST, DENSE
LOW EST IK, VFG-FG SUBANG SAND, 15-20% SILT, 5-10%
MG, 1-2% ANG PEBBLES TO 15mm Ø

PROFESSIONAL GEOLOGIST
JOSEPH P PAVLETICH
WYOMING

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: SS-211-02
	Job No: 2A56
Logged By: J. Pavletich	Edited By: JP
Project Manager: K. Walter	Drill Rig: Geoprobe
Drilling Contractor: BASE	
Driller/Helper: B. Wolfe / S. Calp	
Drilling Method: Geoprobe Construction Method Code = V (driven), HA = Hand Augered	
Sample Method: LARGE BORE SAMPLER	
Hammer Weight/Drop: NA.	Borehole Diameter: 1.375"
Started, Time: 1040	Date: 5-2-94
Completed, Time: 1150	Date: 5-2-94

Notes: 7', 12' — SAMPLES/SPLITS TAKEN FOR EPA NOTED AS (PACE) LABORATORY ANALYSES

BACKGROUND γ = 9 μR/HR

HNu/FID	0/1.5					
B-T (ppm)	40-60					
Time	1041					
Date	5-2-94					

Total Depth: 16 FT — Casing Depth:

Screened Interval:

Sand Pack, #3: 00:

Well Development Method:

Time: Date: Flow Rate:

Geophysical Logs, Type:

By: Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses		Lithology Code	Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
										0			ASPHALT 0"-6"?
													AGGREGATE BASECOURSE 6"-18"?
									SDAN	1			1.6' SAND (SW) BROWN (7.5YR 4/4) MOIST, MED DENSE,
									SAND				LOW-MED. EST IR, FG-MG SUBANG SAND, 10% SILT, 10-20% VFG,
										2			5% CG.
										3			
										4		?	——?
									SDY				4'? SILTY SAND (SM) BROWN (10YR 5/4) MOIST, MED. DENSE,
													LOW EST IR, FG SUBANG-SUBRND SAND, 5% CLAY, 15-20% SILT,
			12	9	6	0/1.5 FG-MG Brown				5			10-15% VFG, 1-5% MG-CG SAND.
									SD Y	6			
			24	19	6				SDY/SLT	7		?	——?
KAFB-SS211-02 0'-11'						0/1.5	SAVE SAND AREA (PACE)						6.5'? SAND (SW) BROWN (10YR 5/6) MOIST, MED DENSE,
						0-0'				8			LOW-MED EST IR, VFG-FG SUBANG SAND. 10% SILT 5-10% MG,
							MOISTURE IN FRACTURES						BLACK STAINS 1-2 mm Ø NOTED AT 9 FT.
			24	22	6	0/1.5 - 8.7 PPM	VOC			9			POSSIBLE ASPHALT SEAM AT 9.5 FT (TOP OF VOC SAMPLE)
										10			

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56

Borehole/Well No.: SS-211-02

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/PID	Analysis		Lithology Code		Depth (ft)	Recovery	Contact
							(PACE)				11		
							EATON						
											12		
SS-211-02-MW 20-21.5' 9/21			24	22	6	0/1.5 ppm BG=12	SAME	MOD GRAD			13		
							(PACE)						
							MATRIX	H2O at	MOISTURE		14		
			24	21	6	0/4.5 ppm BG=12	NAC				15		
							(PACE)						
							EATON				16		TD
											17		
											18		
											19		
											20		
											21		
											22		
											23		
											24		
											25		
											26		
											27		
											28		
											29		
											30		

11' SILTY SAND (SM) BROWN (7.5YR 5/6) MOIST, MED DENSE, LOW EST. IK, VFG SUBANG SAND 15% SILT, 20-25% FG 1% MG, WEATHERED BIOTITE COMMON.

13' SAND (SP) BROWN (7.5YR 5/8) MOIST, MED DENSE, LOW-MOD EST IK, VFG SUBANG SAND. 5-10% SILT, 15-20% FG, 1-2% MG. OCCAS SUBROUND PEBBLES TO 2mm ϕ

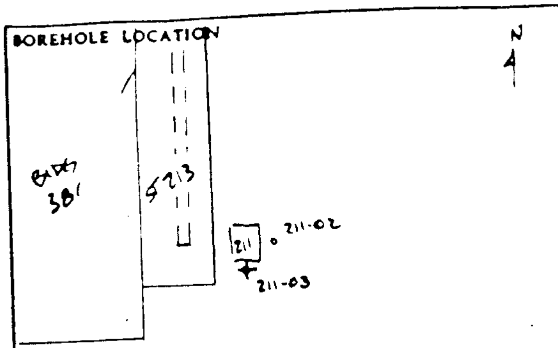
PROFESSIONAL GEOLOGIST
JOSEPH P. PAVLETICH
PG-1990
WYOMING

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG

Project: KAFB Stage 2B	Borehole/Well No: ST-211-03
	Job No: 2A56
Logged By: J. Pavlovich	Edited By: JP
Project Manager: K. Walter	Drill Rig: Geoprobe
Drilling Contractor: BARE	
Driller/Helper: B. Wolfe / S. Camp	
Drilling Method: Geoprobe Construction Method Code = (V driven), HA = Hand Augered	
Sample Method: LARGE BORE SAMPLER	
Hammer Weight/Drop: NA	Borehole Diameter: 1.375"
Started, Time: 1230	Date: 5-2-94
Completed, Time: 1411	Date: 5-2-94

BOREHOLE LOCATION



HNu/FID	0 / 1.5				
β-γ (cpm)	60-110				
Time	1230				
Date	5-2-94				

Notes:

BACKGROUND γ: 12 μR/HR

SAMPLE ST2 IS FOR EPA AND LABELED AS (PEC) ON THE ANALYSES

Total Depth: 10 FT	Casing Depth:
Screened Interval:	
Sand Pack, #3:	#0:
Well Development Method:	
Time: Date:	Flow Rate:
Geophysical Logs, Type:	Date:
By:	

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
											0			ASPHALT 0"-6"
									SP/ML? SP		1			AGGREGATE BASEROCK 6"-18"?
														1.5' SAND (SW) BROWN (7.5YR 4/4) MOIST, MED DENSE LOW-MOD. EST. K FG-MG SUBANG SAND 10% SILT, 10-20% VFG 1-3% CG
									↓		2–4			
									SM		4–5		?	
			↓	6	6	G	0/2.0 70-90 BG 12μR/hr				5–6	X		4.5'? SILTY SAND (SM) BROWN (10YR 5/4) MOIST, MED DENSE LOW EST K, VFG SUBANG. SAND 5% CLAY, 15-20% SILT 10-15% FG, 1-2% CG OCCASIONAL RND PEBBLES TO 15mmΦ. MOTTLES W/ CALICHE AT 5.5 FT.
											7–8			*X HIT BURIED ASPHALT LAYER / RUBBLE AT 8'; MOVED SE ~1 FOOT STARTED NEW HOLE, BEGAN SAMPLE AT 8' (BELOW RUBBLE ZONE)
KAFB-ST211-03 08/13		↓	24	20	G	0/1.5 60-60 BG μR/hr	SOIL TO 600 (PEC) METALS, Hg, pH		NOSOIL		8–10	X		@10', SAME AS AT 4', PEBBLES TO 4mmΦ

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56

Borehole/Well No.: SF-211-03

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/PID	Analysis		Lithology Code	Depth (ft)	Recovery	Contact	
			34	28	G				SDVF				10.5' SAND (SP) BROWN (7.5YR 5/6) MOIST. MED. DENSE, LOW EST
						0/1.5			SDFM	11			IR, VFG-FG SUBANG SAND 10% SILT, 10% MG 1-2% CG
							VOC						CALICHE SOMES PATCHES TO 1Dbgs
							(PID)			12			
							EXTRA						
			36	22	G					13			
									SDM				
						0/1.5				14			13.5' SILTY SAND (SM) BROWN (7.5YR 5/6) MOIST. MOD. DENSE
							SVOC	DRO GRO					LOW EST. IR, VFG-FG SUBANG SAND, 15% SILT, 10% MG, 1-2% CG
							(PID)			15			ABUND. WEATHERED BIOTITE
			-				SVOC	DRO GRO-R					15.5' SAND (SP) BROWN (7.5YR 5/6) MOIST, MED. DENSE, LOW-
										16			MED. EST. IR, VFG SUBANG SAND, 5% SILT, 1-2% FG, 1% MG.
SF-211-0320			24	22	G				SDVF				17' SILTY SAND (SM) BROWN (7.5YR 5/6) MOIST, MED DENSE
SF-211-0330						0/1.5				17			LOW EST IR, VFG SUBANG SAND, 5% CLAY, 20-25% SILT, 5-10%
							(PID)		SDM				FG, 1-2% MG.
							PCBs	Hy PR	MOISTURE	18			18-20' SAME AS AT 19'
			21	22	G								
						0/1.5	VOC			9			
							VOC-R						
							METALS	Hy PR	MOISTURE-R	20			
										1			
										2			
										3			
										4			
										5			
										6			
										7			
										8			
										9			
										0			

WYOMING PROFESSIONAL GEOLOGIST JOSEPH P. PAVLICH PG-1990

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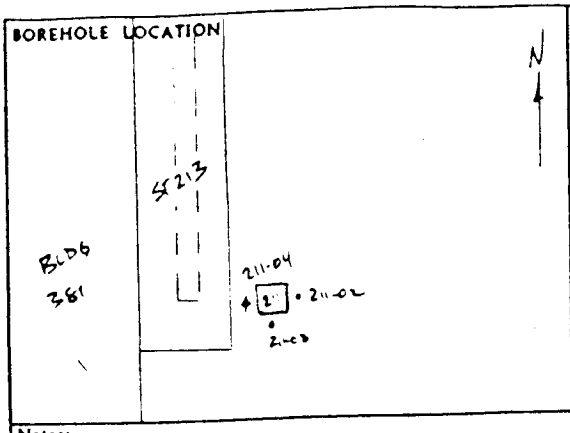
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: SS-211-04
Logged By: J. Pavletich	Job No: 2AS6
Project Manager: K. Walter	Edited By: JP
Drilling Contractor: B & RE	Drill Rig: Geoprobe
Driller/Helper: B. Wolfe / S. CAMP	
Drilling Method: Geoprobe Construction Method Code = (V) driven), HA = Hand Augered	
Sample Method: LARGE BORE SAMPLER	
Hammer Weight/Drop: NA	Borehole Diameter: 1.375'
Started, Time: 1441	Date: 5-2-94
Completed, Time: 1540	Date: 5-2-94

Notes:

BACKGROUND β = 13 μR/HR

SAMPLES FOR EPA SPLITS ARE LABELLED AS (PRE) NAME ANALYSES

HNu/FID	0/15				
β-γ (cpm)	60-120				
Time	1441				
Date	5-2-94				

Total Depth: 16 FT | Casing Depth:

Screened Interval:

Sand Pack, #3: #0:

Well Development Method:

Time: Date: Flow Rate:

Geophysical Logs, Type:

By: Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
														ASPHALT 0'-6"
									SDFN		1			SAND (SW) BROWN (7.5YR 4/4) MOIST MED DENSE
											2			LOW EST. IK, FG SUBANG SAND, 5-10% SILT, 15-20% VFG,
											3			2-3% MG. OCCAS ANG. PEBBLES TO 10mm ϕ
									SDSL		4			
			12	12	G	0/11.5					5			4'? SILTY SAND (SM) BROWN (10YR 5/4) MOIST, MED. DENSE
						09:00-09:00					6			LOW EST. IK, VFG SUBANG SAND 5% CLAY, 15-30% SILT, 10% FG
														1-2% MG OCCAS. RND PEBBLES TO 5mm ϕ MOTTLED LT
														CALICHE 5.5-6 FT.
											7			
KAFB-SS211-04-0811			24	20	G	0/11.5	SVOC	PEST/PCB	SDFN		8			9' SAND (SP) BROWN (7.5YR 5/6) MOIST, MED. DENSE, LOW EST,
						09:00-09:00	(PRE) METALS	Hg/CN	MOIST		9			IK, VFG-FG SUBANG SAND. 10% SILT 5-10% MG. CALICHE CLASTS
														TO Bottom @ 9 FT.
			24	21	G	0/11.5	VOC		SDFN		10			9'-11' SAME AS AT 9', GRAVEL SIZED CLASTS 3mm LONG, Vertical

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56

Borehole/Well No.: ST 211-04

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recvd	Sample Cond.	HNu/PID	Analysis		Lithology Code		Depth (ft)	Recovery	Contact
							(PRC) EXTRA				11		
KAFB-ST211-04 12/16			24	22	6	0/1.5 15.8-40 ppm	SVOC DRO	EXTRO			12		
							(PRC) MOISTURE Hg pH	MOIST.			13		
			24	15	6	0/1.5					14		
							(PRC) VOC				15		
											16		
											17		
											18		
											19		
											20		
											1		
											2		
											3		
											4		
											5		
											6		
											7		
											8		
											9		
											0		

13' SILTY SAND (SM) BROWN (10 YR 5/6) MOIST, MED DENSE LOW-MOD EST IK, VFG-FG SUBANG SAND. 15% SILT. 5% MG 1% CG

15.5' SAND (SP) BROWN (10 YR 5/6) MOIST, MED DENSE, LOW-MOD EST IK, VFG SUBANG SAND, 5-10% SILT, 10% FG. OCCAS. SUBRND PEBBLES TO 3mm Φ

NOTE: 2ND HOLE DRILLED ABOUT 1 FT AWAY FROM 211-04 TO COLLECT DUPLICATE & MS/MSD SAMPLES FOR SPLITTING. 2ND LOG MADE TO SHOW SAMPLES, NOT LOGGED FOR LITHOLOGY

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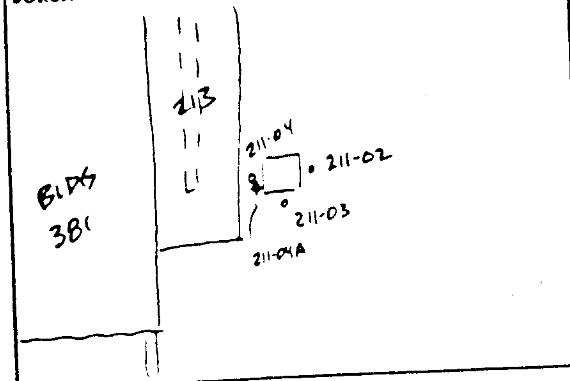
Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG

Borehole/Well No:	ST 211-04(A)
Project:	KAFB Stage 2B
Job No.	2A56
Edited By:	
Logged By:	J. Pavletich
Project Manager:	K. Walker
Drill Rig:	Geoprobe
Drilling Contractor:	
Driller/Helper:	B. Wolfe
Drilling Method:	Geoprobe Construction Method Code = V (driven), HA = Hand Augered
Sample Method:	
Hammer Weight/Drop:	
Borehole Diameter:	
Started, Time:	1600
Date:	5-2-94
Completed, Time:	1640
Date:	5-2-94

BOREHOLE LOCATION



HNu/FID						
β-γ (cpm)						
Time						
Date						

Notes:

Total Depth:	16 FT
Casing Depth:	
Screened Interval:	
Sand Pack, #3:	#0:
Well Development Method:	
Time:	Date:
Flow Rate:	
Geophysical Logs, Type:	
By:	Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses	Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
										0–1			** NOTE: THIS BORING DRILLED ABOUT 1 FT SE OF BORING ST-211-04 TO COLLECT REPLICATE
										1–2			AND MS/MSD SAMPLES, NOT LOGGED. THIS BORING WILL BE CONSIDERED TO BE
										2–3			THE SAME AS ST211-04
										3–4			
										4–5			
										5–6			
										6–7			
ST-211-99-0711		↓	24	22	6	0/1.5 15:7 = 40 ppm	SVOC TPH GRO-8 (PRO) METALS Hg pH MOIST.			7–9			
			24	17		0/1.2 …40…				9–10			

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56

Borehole/Well No.: ST211-04(A)

Notes:

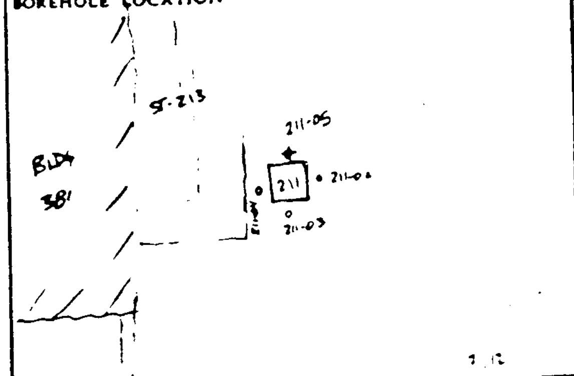
Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recv'd	Sample Cond.	HNu/PID	Analysis		Lithology Code		Depth (ft)	Recovery	Contact
		↓					(PEC) VOC -R				11		
KAFB-ST211-04-12/14 MS/MSD		↓	24	22	G	0/2.0 BZ=40-60ppm	SVOC TOG GRO - MS/MSD (PEC) PESTS, Hg+H, MOISTURE - MS/MSD				12 13 14		
		↓	24	17	G	0/2.0 BZ=40-60ppm	(PEC) VOC - MS/MSD				15 16		
											17 8 9 0 1 2 3 4 5 6 7 8 9 0		

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG

Project: KAFB Stage 2B	Borehole/Well No: ST-211-05
	Job No: 2A56
Logged By: J. Pavletich	Edited By: JP
Project Manager: K. Walter	Drill Rig: Geoprobe
Drilling Contractor: B&RE	
Driller/Helper: B. Wolfe / S. CAMP	
Drilling Method: Geoprobe Construction Method Code - (V) (driven), HA = Hand Augered	
Sample Method: LARGE BORE SAMPLER	
Hammer Weight/Drop: NA	Borehole Diameter: 1.375"
Started, Time: 1620	Date: 5-3-94
Completed, Time: 1730	Date: 5-3-94

BOREHOLE LOCATION



Notes: APPARENTLY THE O/W SEPARATOR BACKED-UP/ OVERFLOWED THIS MORNING. SURFACE COATED W/ OILY WATER, OVA READS 2PPM IN BREATHING ZONE

BACKGROUND γ = 10 μR/HR

SAMPLE SPLITS FOR EPA LABELED AS (PRC) UNDER ANALYSES

HNu/FID	0/1.5
β-γ (cpm)	80-100
Time	1622
Date	5-3-94

Total Depth:	Casing Depth:
Screened Interval:	
Sand Pack, #3:	#0:
Well Development Method:	
Time: Date:	Flow Rate:
Geophysical Logs, Type:	
By:	Date:

Sample ID	Sampler Type / depth	Blows / 6 inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses		Lithology Code	Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
										0			ASPHALT 0-4"
									SW	1			SAND (SW) BROWN (7.5YR 4/4) MOIST, MED. DENSE LOW EST IK, FG SUBANG SAND, 5-10% SILT, 15-20% VFG, 2-3% MG, OCCAS SUBANG. PEBBLES TO 7mm φ
										2			
										3			
									SM	4		?	4' SILTY SAND (SM) BROWN (7.5YR 5/6) MOIST, MED DENSE LOW EST IK, VFG SUBANG SAND, 5% CLAY, 15-20% SILT, 5% FG, 1-2% VCG.
		↓	12	7	6	0/1.5 β-γ 80-100				5			
										6			
										7			
KAFB-ST211-05 03/12		↓	34	20	F	0/1.5 β-γ 80-110 cpm	SVOC (PRC) METALS	TPH [illegible]	SM	8			
										9			9' SILTY SAND (SM) BROWN (7.5YR 5/6) MOIST, DENSE, LOW EST IK, VFG SUBANG. SAND. 20-25% SILT 1-7% MG. OCCAS SUBANG PEBBLES TO 5mm φ, CALICHE PATCHES TO 3mm φ COMMON
										10			

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56

Borehole / Well No.: SF 211-05

Notes:

Sample ID	Sampler Type	Blows / 6 inch	Inches Driven	Inches Recv'd	Sample Cond.	HNu/PID	Analysis		Lithology Code		Depth (ft)	Recovery	Contact	
			24	22	G	0/1.5 0'-2' 40 cm	VOC	GRO	SDY	F	10			10' SAND (SP) BROWN (7.5 YR 5/6) MOIST, MED. DENSE
							(PID)				11			LOW-MOD EST. 1% VFG SUBANG SAND, 10% SLT, 1-2% FG 1% MG.
							ESTD							OCCAS. SUBANG PEBBLES TO 3mm ϕ
			30	20	G						12			
														12-14.5'; SAME AS AT 10' + ABUNDANT LOCALIZED ROOTLETS
							SVOC	DRO			13			
							(PID)							
KAFB-SF211-05 12.5'						0/1.5 AB=40 60 cm	METALS	Hg PA	MOIST		14			
			30	17	G									
											15			
						0/1.5 AB=40-60								16' SAND (SP) BROWN (7.5YR 5/6) MOIST, MED. DENSE
							(PID)		SDY	F	16			LOW EST 1% VFG SUBANG SAND 10% SLT, 5-10% FG
							VOC	GRO.						1% MG. [illegible]
											17		TD.	
											18			
											19			
											20			
											21			
											22			
											23			
											24			
											25			
											26			
											27			
											28			
											29			
											30			

PROFESSIONAL GEOLOGIST
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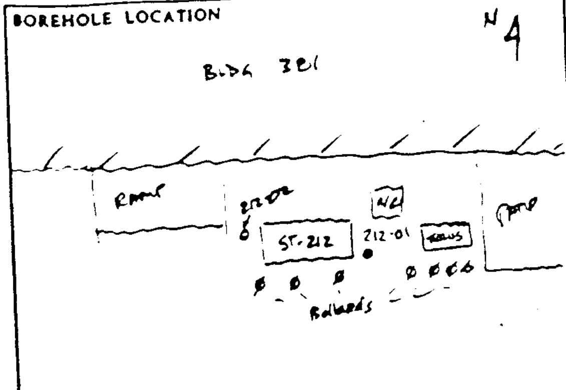
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION	**Project:** KAFB Stage 2B
	Borehole/Well No: ST-212-01
	Job No: 2A56
	Logged By: J. Pavletich
	Edited By: JP
	Drill Rig: Geoprobe
	Project Manager: K. Walter
	Drilling Contractor: EXRE
	Driller/Helper: B. Wolfe / K. CRANDALL
	Drilling Method: Geoprobe Construction Method Code = V (driven), HA = Hand Augered
	Sample Method: LARGE-BORE SAMPLER
	Borehole Diameter: 1.375"
	Hammer Weight/Drop: NA
	Started, Time: 1330 **Date:** 4-13-94
	Completed, Time: 1435 **Date:** 4-13-94



~~Water Depth~~ OVA/HNU	5.8 / 0				
~~Boring~~/~~Casing Depth~~ β-γ	40-80 cpm				
Time	1335				
Date	4-13-94				

Notes: 8', 13'

BACKGROUND OVA = 5.8 ppm
HNU = 0 ppm
β-γ = 40-80 cpm
γ = 9-12 μR/HR

Total Depth: 16 FT **Casing Depth:**
Screened Interval:
Sand Pack, #3: **#0:**
Well Development Method:
Time: **Date:** **Flow Rate:**
Geophysical Logs, Type: **Date:**
By:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
									SDFN-SAND		0–1			1-2 ASPHALT COVER. SAND (SW) GRAY (5YR 6/2) MOIST MED. DENSE LOW EST IK, FG-MG ANG SAND 10% SILT, 10-15% VFG, 5-10% CG.
											1–4			
									SDFN		4–5			
			12	12	6	7.0 ppm β-γ 40-80 cpm					5–6			4'? SILTY SAND (SM) LT. BROWN (7.5YR 4/4) MOIST MED. DENSE LOW EST IK, VFG-FG ANG. SAND. 20-25% SILT. 5-10% MG-CG. OCCAS. SUBANG PEBBLES TO 4mm Φ ABUNDANT CALICHE STAINING
									SDFN		7–8			
KAFB-ST212-01 08/10			24	22	6	0 ppm β-γ 20-60 cpm	SVOC, VOC, METALS	TPH, Hg, PH	600, MOIST		8–10			8' SAND (SP) BROWN (7.5YR 4/4) MOIST MED. DENSE LOW EST IK. FG ANG SAND. 5% SILT 15-20% VFG, 1-2% MG-CG. OCCAS. ANG. PEBBLES TO 5mm Φ CALICHE PATCHES TO 10 mm C. FeOSTAINED PATCH (15mm Φ) AT 10'

BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2AS6

Borehole/Well No.: ST-212-01

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/PID	Analysis		Lithology Code		Depth (ft)	Recovery	Contact	Notes
											11			
											12			
											13		-?-	13'?, SAND (SW) BROWN (7.5YR 4/6) MOIST, MED DENSE-DENSE FG ANG. SAND. 5-10% SILT, 15-20% SILT, 5-15% MG-VCG SAND OCCAS. ANG. PEBBLES TO 7mm
KAFB-SS212-01 13/6			36	22	4	BKG/0PPM [illegible]			SDFN		14			
									SWR		15		- -	GRAVELLY SAND (GM) LT. BRN (7.5YR 6/2) DRY DENSE-V DENSE, LOW-MOD EST K, MG ANG. SAND 5% SILT, 15-20% VFG-FG. SAND, 20-30% SUBANG-ANG GRAVEL TO 15mm ϕ
											16		TD	
											7			
											8			
											9			
											0			
											1			
											2			
											3			
											4			
											5			
											6			
											7			
											8			
											9			
											0			

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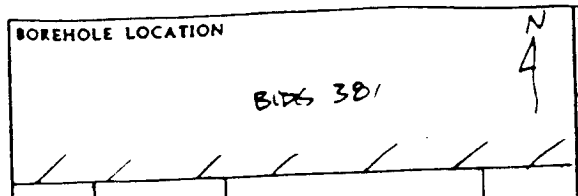
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: ST-212-02
	Job No: 2A56
Logged By: J. Pavletich	Edited By: JP
Project Manager: K. Walker	Drill Rig: Geoprobe
Drilling Contractor:	
Driller/Helper: B. Wolfe / K. CRANDALL	
Drilling Method: Geoprobe Construction Method Code: V (driven), HA = Hand Augered	
Sample Method: LARGE BORE SAMPLER	
Hammer Weight/Drop: NA	Borehole Diameter: 1.375"
Started, Time: 1440	Date: 4-13-94
Completed, Time: 1600	Date: 4-13-94

Notes:
BACKGROUND HNU = 0 ppm
OVA = 8 ppm
B-8 = 40-80 cpm
8 = 9 MR/HR

Water Depth HNU	12	10 ppm				
Boring/Casing Depth	40	80 cpm				
Time	1440					
Date	4-13-94					

Total Depth: 15 FT | Casing Depth:
Screened Interval:
Sand Pack, #3: | #0:
Well Development Method:
Time: | Date: | Flow Rate:
Geophysical Logs Type: | Date:
By:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/PID Reading	Analyses		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
														ASPHALT COVER
														SAND (SW) GRAY (5YR 6/2) MOIST MED. DENSE
									SDFN-SDMD		1			LOW EST IK FG-MG ANG. SAND 10% SILT 10-20% VFG.
														10-15% CG.
											2			
											3			
											4			
									SDFL					
			12	3	F						5		?	4'?. SILTY SAND (SM) BROWN (7.5YR 4/6) MOIST, MED DENSE
														LOW EST IK, FG ANG SAND, 15-20% SILT 15-20% VFG, 10-15%
											6			MG & 3-3% CG MOTTLED W/ CALICHE (PROBABLE BACKFILL
														MATERIAL FOR O/W SEPARATOR
											7			- PIECE OF WOOD AT ABOUT 8.5'
									SDFN-SDFN				?	7'? SAND (SP) BROWN (7.5YR 4/6) MOIST. MED. DENSE, LOW-
KAFB-ST212-02-0812			24	21	F	0 ppm / <1 ppm	SVOC	TPHD	MG		8			MOD EST IK, VFG-FG. ANG. SAND. 5-10% SILT, 1-2% ANG, 1-2%
						0-2 ppm BZ	SVOC	TPHD	SAND-GR		9			CG OCCAS. ANG. PEBBLES TO 5mm Ø
							METALS	Pb	BOULDERS		10			

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2AS6

Borehole/Well No.: SF-212-02

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/PID	Analysis		Lithology Code		Depth (ft)	Recovery	Contact
			24	22	6	BKG/0ppm BZ-40 80ppm	PEBBS / VOC / VOC-R	Hg FR	MOIST-R		11		
											12		
KAFB-SF-212-02 13-15			24	22	6	BKG/0ppm BZ:40 800ppm	SVOC / VOC / PEBBS	DPO / Hg FR	SDVF-SDFM / GPO / MOIST		13 / 14 / 15		

SAND (SP) BROWN (7.5YR 4/6) MOIST, MED. DENSE MED. EST IK, VFG-FG ANG SAND. 5% SILT, 1-2% MG-CG. RARE ANG. PEBBLES TO 3mm Φ. SAME AS AT 7'

13.5 SAND (SP) BROWN (7.5YR. 5/6) MOIST MED DENSE LOW-MOD EST IK, VFG-FG ANG. SAND, 5-10% SILT. 5-10% MG-CG SAND ABUNDANT ~~W...~~ BIOTITE

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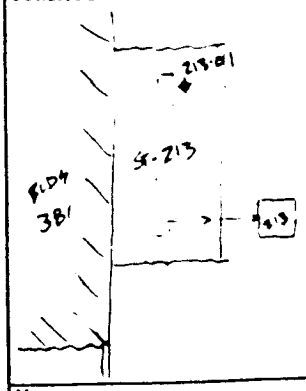
BOREHOLE / WELL CONSTRUCTION LOG

Page ____ of ____

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: SB-213-01
	Job No: 2A56
Logged By: J. Pavletich	Edited By: JP
Project Manager: K. Walter	Drill Rig: Geoprobe
Drilling Contractor: FS & E	
Driller/Helper: B. Wolfe / S. CAMP	
Drilling Method: Geoprobe Construction Method Code = (V (driven), HA = Hand Augered	
Sample Method: LARGE-BORE SAMPLER	
Hammer Weight/Drop: NA	Borehole Diameter: 1.375"
Started, Time: 0930	Date: 5-3-94
Completed, Time: 1105	Date: 5-3-94

Notes:

BACKGROUND = 9 uR/HR

HNu/PID	0/2.5				
B-γ (cpm)	40-80				
Time	0915				
Date	5-3-94				

Total Depth: 15 FT — Casing Depth:

Screened Interval:

Sand Pack, #3: — #0:

Well Development Method:

Time: — Date: — Flow Rate:

Geophysical Logs, Type:

By: — Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/PID Reading	Analyses		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
														CONCRETE 0"-7"
									SDVF		1			
											2			
														SAND (SP) BROWN (7.5YR 5/6) MOIST, MED. DENSE
			4"	3	G						3			MED. EST IK, VFG SUBANG SAND, 5% SILT, 1-2% FG, <1% MG.
			24	22	G						4			4'-6' SAME AS AT 3', EXCEPT COLOR CHANGE TO
KAFB-SB213-01 0400						0/5	SILT	MED	GD		5			(7.5YR 6/4) CALICHE STRINGERS & PATCHES TO 8mm ϕ
						0.5/4	(PEC)							
						15.3-80-BG	MEDIUM	FM	MOIST		6			6.25 SILTY SAND (SM) BROWN (10YR 6/4) MOIST, MED DENSE=
			24	22	G				CALC					LOW EST IK, VFG SUBANG SAND 15-20% SILT, 5-10% FG, 1-2% MG
							VAC				7			MOTTLED W/ CALICHE
						0.5/4	(PEC)							7.5' SAND (SP) BROWN (10YR 5/6) MOIST, MED. DENSE,
						15.3-60-BG	EXTRA		SDVF		8			LOW-MED. EST IK, VFG SUBANG SAND, 5% SILT 5-10% FG, 1%
														MG. CALICHE PATCHES TO 3mm ϕ
											9			
											10			

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56 | Borehole/Well No.: Z13-01

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNU/PID	Analysis		Lithology Code		Depth (ft)	Recovery	Contact	
			12	9	G	0/2 PID=0.0					0			SILTY SAND (SM) BROWN (5YR 5/6) MOIST, MED. DENSE, LOW EST IK, VFG SUBANG. SAND, 15% SILT, 15-20% FG, 1-2% MG. AGGR. WEATHERED BIOTITE, BLACK STAINED SPOTS TO 2mm Ø COMMON
KAFB-SZ13-01 11/15			24	21	G	0/2 PID=0.0	SVOC	DUP	SVOC		12			12' SILTY SAND (SM) BROWN (7.5YR 5/4) MOIST, MED. DENSE, MOD. EST IK, FG SUBANG. SAND, 15% SILT, 15-20% VFG, 10% MG. 5-10% CG-VCG, 12 SUBANG. PEBBLES TO 5mm Ø.
			24	15	G	0/2 PID=0.0	VOC		GYP SOIL		14			14.25' SANDY GRAVEL (GW) BROWN (7.5YR 5/4) MOIST, DENSE, MOD. EST IK, SUBANG GRAVEL TO 10mm Ø, 5-10% VFG, 15-20% FG, 5-10% MG, 5-10% CG. AMOUNT. WEATHERED BIOTITE.
											15 TD			14.75' SAND (SP) BROWN (7.5YR 5/6) MOIST MED. DENSE, MOD. EST IK FG SUBANG. SAND, 5-10% VFG, 2-3% MG.
											6			
											7			
											8			
											9			
											0			
											1			
											2			
											3			
											4			
											5			
											6			
											7			
											8			
											9			
											0			

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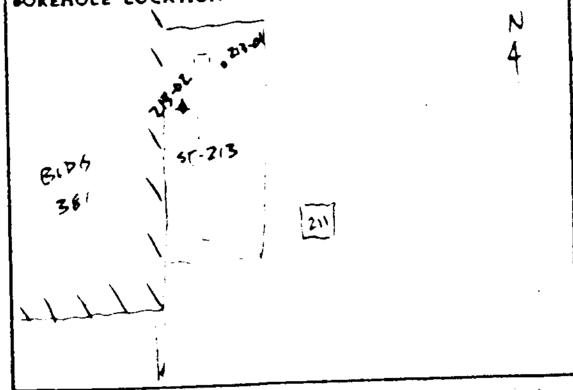
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project:	KAFB Stage 2B
Borehole/Well No:	ST-213-02
Job No:	2A56
Logged By:	J. Pavletich
Edited By:	JP
Project Manager:	K. Walker
Drill Rig:	Geoprobe
Drilling Contractor:	BRE
Driller/Helper:	B. Wolfe / S. CAMP
Drilling Method:	Geoprobe Construction Method Code = V (driven), HA = Hand Augered
Sample Method:	LARGE-BORE SAMPLER
Hammer Weight/Drop:	NA
Borehole Diameter:	1.375"
Started, Time:	1115
Date:	5-3-94
Completed, Time:	1230
Date:	5-3-94

Notes:

BACKGROUND 8-11 µR/HR

HNu/FID	0.0/11.5				
β-γ (cpm)	40-60				
Time	1122				
Date	5-3-94				

Total Depth:	15 FT
Casing Depth:	
Screened Interval:	
Sand Pack, #3:	#0:
Well Development Method:	
Time:	Date: Flow Rate:
Geophysical Logs, Type:	Date:
By:	

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses		Lithology Code		Depth in Feet	LITHOLOGIC DESCRIPTIONS
											0	CONCRETE 0" – 8"
			12	12	6	0/11.5 βγ 40-60			SDNF / SDN		1	SAND (SP) BROWN (7.5YR 4/6) MOIST, MED. DENSE, LOW-MOD EST IK, VFG-FG SUBANG. SAND. 5% SILT, 1-2% MG. BLACK STAINED PATCHES TO 3mm Φ
											2	1.5' COLOR CHANGE TO (7.5YR 5/6)
											3	
									SDN		4	
KAFB-ST213-02-0010			24	22	6	0/11.5 βγ 40-60	SOIL (PRC) METS	RAD AgAs	SM / SP MOIST		5	5.5? SILTY SAND (SM) BROWN (7.5YR 5/6) MOIST, MED. DENSE LOW EST IK, VFG SUBANG SAND, 20-25% SILT 10% FG 1-2% MG. OCCAS. SUBRND PEBBLES TO 5mm Φ
											6	5.5' SAND (SP) BROWN (7.5YR 5/6) MOIST, MED. DENSE, MOD EST IK, VFG SUBANG. SAND. 5-10% SILT, 1-7% FG 1% MG
			24	20	6	0/11.5 βγ 40-60	(PRC) VOC				7	6-8' SAME AS AT 5.5' EXCEPT OCCAS. SUBRND PEBBLES TO 5mm Φ
											8	
											9	
									SDNF		10	

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2AS6

Borehole / Well No.: SP-213-02

Notes:

Sample ID	Sampler Type	Blows / 6 inch	Inches Driven	Inches Recv'd	Sample Cond.	HNu/PID	Analysis		Lithology Code		Depth (ft)	Recovery	Contact	
			12	8	G	0/1.5 PID-0.0 BD					11			9.5' SAND (SP) BROWN (10YR 5/6) MOIST, MOD. DENSE, LOW MOD. EST IK, VFG SUBANG SAND, 5% SILT, 10-15% FG, 1-2% CG OCCAS. CALICHE SOAKED PATCHES TO 3mm ϕ
KAFB-SP13-02 11/15			24	22	G	0/1.5 PID-0.0 BD			SP		12			12' SILTY SAND (SM) BROWN (7.5YR 5/8) MOIST, MED. DENSE LOW EST IK VFG SUBANG SAND 15% SILT, 15-20% FG, 1-2% MG
			24	14	G	0/1.5 PID-BD.0D					13			
									SP/F		14			SAND (SP) BROWN (7.5YR 5/8) MOIST, MED. DENSE, LOW EST IK, VFG SUBANG SAND. 5% SILT, 10-15% FG, 1-2% CG OCCAS. CALICHE PEBBLES TO 3mm ϕ
											15			
											16			
											17			
											8			
											9			
											0			
											1			
											2			
											3			
											4			
											5			
											6			
											7			
											8			
											9			
											0			

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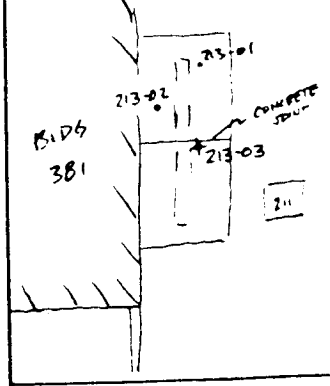
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: SS-213-03
	Job No: 2A56
Logged By: J. Pavletich	Edited By: JP
Project Manager: K. Walter	Drill Rig: Geoprobe
Drilling Contractor: BRE	
Driller/Helper: B. Wolfe / S CAMP	
Drilling Method: Geoprobe Construction Method Code = (V) (driven), HA = Hand Augered	
Sample Method: 2" ACRE - BODE SAMPLER	
Hammer Weight/Drop: NA	Borehole Diameter: 1.375"
Started, Time: 1315	Date: 5-3-94
Completed, Time: 1440	Date: 5-3-94

Notes:

BACKGROUND γ = 11 uR/HR

HNu/PID	0/1.75					
β-γ (cpm)	20-60					
Time	1314					
Date	5-3-94					

Total Depth: 15 FT | Casing Depth:

Screened Interval:

Sand Pack, #3: #0:

Well Development Method:

Time: Date: Flow Rate:

Geophysical Logs, Type:

By: Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/PID Reading	Analyses		Lithology Code	Depth in Feet	Recovery / Sample Loc.	Contact
									SDNF SDFN	1		
			18	18	6	7/1 Benzene				2		
										3		
			24	19	4	0/1.5 Benzene	SVOC	DRO	SDFN	4	?	?
SWMU-SS213-03 DUP						0/1.5 Benzene	(PEC) VOC	14 yd		5		
			24	15	5	2ppm/15 min Benzene	(PEC) VOC	6000	SDNF	6	?	?
										7		
										8		
										9		?
									SDNF SDFN	10		

CONCRETE 0" - 8"

SAND (SP) BROWN (7.5YR 5/6) MOIST, MED. DENSE, LOW-MOD. EST IK, VFG-FG SUBANG SAND, 5-10% SILT, 1-2% MG, OCCAS. SUBANG, PEBBLES TO 5mm ϕ SLIGHT HYDROCARBON ODOR

4.7' SILTY SAND (SM) BROWN (7.5YR 5/6) MOIST, DENSE, LOW EST IK, VFG SUBANG SAND 20-25% SILT 5-10% FG 1-2% MG. SOFTENED W/ CALICHE

6.5' SAND (SP) BROWN (7.5YR 5/6) MOIST, MED. DENSE LOW EST IK, VFG SUBANG, SAND, 5-10% SILT, 10% FG 1-2% MG. CALICHE SOFTENED PATCHES TO 5mm ϕ

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56 | Borehole / Well No.: SS-213-03

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/PID	Analysis		Lithology Code		Depth (ft)	Recovery	Contact
			6	6		0/2							
			24	19	6	0.0/0.0/0.0-5	SVOC	8260					
LAKE SS213-03 11/15-						10.0-110-120	(PEC)						
							VOC	Hg/A	MOIST.	SAND			
			24	15	6								
						0.0/0.0-5	(PEC)						
						10.0-80-110	VOC	6020					
						0-2.5				SAND			

9' SAND (SP) BROWN (7.5YR 5/8) MOIST, MED DENSE, LOW EST IR, VF-FG SUBANG SAND, 5% SILT, 1-2% MG. DECAS. SUBANG PEBBLES TO 5mm Ø

12.5' SILTY SAND (SM) BROWN (7.5YR 5/6) MOIST, MED DENSE, LOW EST IR VF-FG SUBANG. SAND, 5% CLAY, 15-25% SILT, 1-2% MG. W/SCATTERED CALCITE CEMENT

14.75' SAND (SW) BROWN (7.5YR 5/8) MOIST, DENSE, LOW EST IR, VFG SUBANG SAND 5% CLAY, 5-10% SILT, 10-15% FG, 10-15% MG 5-10% CG, 10% SUBANG. PEBBLES TO 5mm Ø

PROFESSIONAL GEOLOGIST
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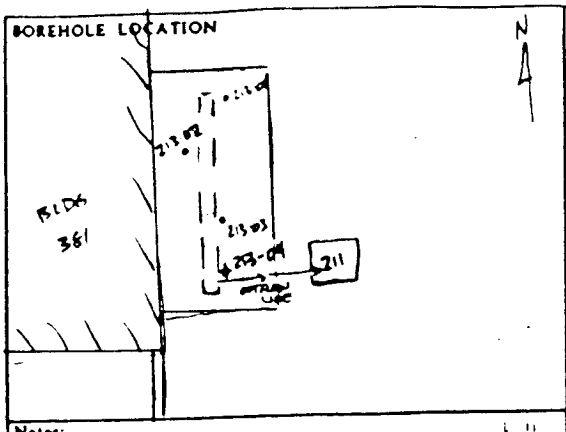
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: SF213-04
	Job No: 2A56
Logged By: J. Pavletich	Edited By:
Project Manager: K. Walker	Drill Rig: Geoprobe
Drilling Contractor: BCE	
Driller/Helper: B. Wolfe / S. CAMP	
Drilling Method: Geoprobe Construction Method Code = D (driven), HA = Hand Augered	
Sample Method: LARGE BORE SAMPLER	
Hammer Weight/Drop: NA	Borehole Diameter: 1.375"
Started, Time: 1445	Date: 5-3-94
Completed, Time: 1615	Date: 5-3-94

Notes:

BACKGROUND = 12

HNu/PID	0/1.5					
β-γ (cpm)	40-80					
Time	1453					
Date	5-3-94					

Total Depth: 15' Casing Depth:

Screened Interval:

Sand Pack, #3: #0:

Well Development Method:

Time: Date: Flow Rate:

Geophysical Logs, Type:

By: Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/PID Reading	Analysis		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
			12						SM/SC		1			CONCRETE 0"-8"
														SILTY SAND (SM) BROWN (7.5YR 4/6) MOIST, MED. DENSE
											2			LOW PLST FR, VFG SUBANG SAND, 5% CLAY, 15-20% SLT, 10% FG 2-5%
														MG. OCAC SUBAN PEBBLES TO 5mm Ø MINOR BLACK STAINING
														PATCHES TO 3mm Ø
											3			
											4			
			24	22	6		SVOC	DRO			5			5' SILTY SAND (SM) BROWN (10YR 6/4) MOIST, MED. DENSE,
KAFB SF213-04 4408						0/4.5 BZ=60-80cpm	(PEC) METHYL Hg pH		SM/SC MOIST.					LOW PLST FR, VFG SUBANG SAND, 5-10% CLAY, 20-25% SLT
			24	18	6						6			10% FG, 1-2% MG. STAINED W/ CALCITE THROUGHOUT
						0/1.5 BZ=40-80								6-8' SAME AS AT 5', COLOR CHANGES TO (7.5YR 5/6)
							(PEC) VOC	BTEX			7			CALCITE STAINED PATCHES TO 7mm Ø V. DENSE
											8			
											9			
									SM/SC		10		?	

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56

Borehole/Well No.: SS-218-04

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNU/OVA	Analysis		Laboratory Code		Depth (ft)	Recovery	Contact	
			12	9		0/1.5 BZ-benz					11			9.5' SILTY SAND (SM) BROWN (7.5 YR 5/6) MOIST, MED DENSE
														LOW EST IR, VFG SUBANG SAND, 5% CLAY, 15-20% SILT 10% FG,
MW-218-04 11/11			24	19	6	0/1.5 BZ-benz 0-8-60-400 ppm	SVOC (PEC)	DRED			12			2-3% MG. OCCAS. SUBANG PEBBLES TO 5mm ϕ
							METALS	Hg PM	MOIST		13			11-13' SAME AS AT 11'
			24	22	6	0/1.5 BZ-benz 0-8-40-250 ppm	VOC (PEC)	FIXED			14			14.5' SAND (SW) BROWN (7.5 YR 5/8) MOIST, DENSE,
							SVOC		SOIL GAS		15		TD	LOW EST IR, VFG-FG SUBANG SAND. 10% SILT, 10% MG 5% CG
														5-10% SUBANG. PEBBLES TO 4mm ϕ. ABUND. WEATHERED
														BIOTITE
											16			
											17			
											18			
											19			
											20			
											21			
											22			
											23			
											24			
											25			
											26			
											27			
											28			
											29			
											30			

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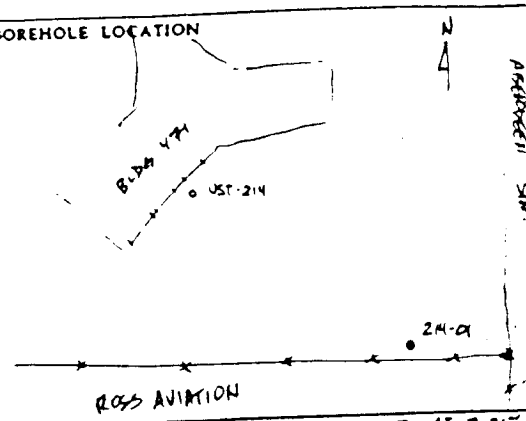
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: SB-214-01
	Job No: 2A56
Logged By: J. Pavletich	Edited By:
Project Manager: K. Walter	Drill Rig: Geoprobe
Drilling Contractor: B & E	
Driller/Helper: B. Wolfe	
Drilling Method: Geoprobe Construction Method Code = V (driven), HA = Hand Augered	
Sample Method: LARGE BORE SAMPLER	
Hammer Weight/Drop: N.A	Borehole Diameter: 1.25"
Started, Time: 0900	Date: 4-26-94
Completed, Time: 1045	Date: 4-26-94

Notes: BOREHOLE OF WASTE OIL VET SOUNDED AT 7.25'
SAMPLE DEPTHS = 10', 20'

BACKGROUND = 9 mR/HR

HNu/PID	2.5/0.3					
β-γ (cpm)	60-120					
Time	0905					
Date	4-26-94					

Total Depth: 22 FT | Casing Depth:
Screened Interval:
Sand Pack, #3: #0:
Well Development Method:
Time: Date: Flow Rate:
Geophysical Logs, Type:
By: Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/PID Reading	Analyses		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
									SM/SW					SURFACE SILTY SAND (SM) BROWN (7.5YR 4/6) MOIST, LOOSE, MOD EST IK. VFG-FG SUBANG SAND. 15-20% SILT. 1-5% MA-CG OCCAS. RND PEBBLES TO 25mm ϕ
											1			
											2			
											3			
											4			
									SW		5		?	4'? SILTY SAND (SM) BROWN (7.5YR 5/6) MOIST, MED DENSE, LOW EST. IK, FG-MG. SUBANG SAND. 5% CLAY, 15-20% SILT, 2-3% CG-VCG. OCCAS RND-SUBRND PEBBLES TO 8mm ϕ OCCAS CALICHE PATCHES TO 5mm ϕ. COLOR CHANGE TO BROWN 7.5YR 4/6 at 6'
			12	11	6						6			
											7			
											8			
											9			
											10			

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56

Borehole/Well No.: ST-214-01

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/PID	Analysis		Lithology Code		Depth (ft)
KAFB-ST214-01-1014 / KAFB-ST214-01-1014 MS/MSD			24	18	G	11/2pm 0-8: 40ppm	SVOC / SVOC / METALS	8270 / 8270 / Hg PA	6010 / 6010 / MOIST	SM / MS/MSD	11–12
			24	18	F	11/2pm 0-8: 20-40ppm	METALS / VOC / VOC	Hg PA / / MS/MSD	MOIST-	SW / MS/MSD	12–14
			12	12	G	11/2pm 0-8: 0-90ppm				SP / VF / SM	15–16
										SM	19
KAFB-ST214-01 2022			24	22	G	11/2pm 0-8: 40-100ppm	SVOC / VOC / METALS	8270 / / Hg pH	6010 / / MOISTURE		20–22

10.5' SILTY SAND (SM) BROWN (7.5YR 5/6) MOIST, MED. DENSE, MED EST IK, FG-MG SUBANG. SAND 15% SILT, 10-20% CG-VCG SUBANG. WEATHERED BIOTITE COMMON.

BECOMING COARSER W/ DEPTH

12.25' GRAVELLY SAND (SW) BROWN (7.5YR 5/6) MOIST DENSE MED EST IK, MG SUBANG. SAND, 5% SILT, 5-10% VFG-FG. 20% CG-VCG. 20% ANG-SUBANG PEBBLES TO 10mm ф.

15.4' SAND (SP) BROWN (7.5YR 5/6) MOIST, MED. DENSE. MED. EST IK, VFG. SUBANG SAND 5-10% SILT 10% FG SAND

15.9' SILTY SAND (SM) BROWN (7.5YR 5/8) MOIST, MED DENSE, LOW EST IK, VFG SUBANG. SAND. 5-10% CLAY, 20-25% SILT OCCAS. SUBANG PEBBLES TO 7mm ф

?20.5'? SILTY SAND (SM) BROWN (7.5YR 5/6) MOIST, MED. DENSE LOW EST IK, VFG SUBANG. SAND 10% CLAY, 5-10% FG. ~~WEATHERED~~ BIOTITE COMMON

Depth (ft): 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 4, 5, 6, 7, 8, 9, 0

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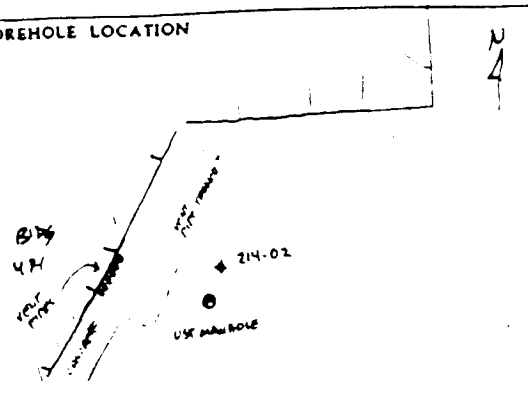
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: ST-214-02
	Job No: 2A56
Logged By: J. Pavletich	Edited By:
Project Manager: K. Walter	Drill Rig: Geoprobe
Drilling Contractor: BRE	
Driller/Helper: ~~B. Wolfe~~ M. CHRISTIAN / S. CAMP	
Drilling Method: Geoprobe Construction Method Code = V (driven), HA = Hand Augered	
Sample Method: LARGE-BORE SAMPLER	
Hammer Weight/Drop: NA	Borehole Diameter: 1.375"
Started, Time: 1100	Date: 4-26-94
Completed, Time: 1222	Date: 4-26-94

Notes: 10', 20'

BACKGROUND γ = 8-9 mR/HR

HNu/FID ppm	0/1.6-2				
β-γ (cpm)	20-80 cpm				
Time	1110				
Date	4-26-94				

Total Depth: 22 FT | Casing Depth:

Screened Interval:

Sand Pack, #3: #0:

Well Development Method:

Time: Date: Flow Rate:

Geophysical Logs, Type:

By: Date:

Sample ID	Sampler Type / depth	Blows / 6 inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact
						1.6ppm/0.5			SM		1		
											2		
											3		
											4		?
			12	12	67	41/2ppm (8-8-40-80)					5		?
											6		
											7		
											8		
											9		?
									SOIL		10		

LITHOLOGIC DESCRIPTIONS

ASPHALT AT SURFACE 6"

SILTY SAND (SM) BROWN (7.5 YR 4/6) MOIST, MED DENSE

LOW-MED EST IK VFG FG SUBANG SAND. 5-10% CLAY 20-25% SILT. 1-2% MG CG SAND.

4' SILTY SAND (SM) BROWN (10YR 7/3) DRY, MED. DENSE,

LOW-MED EST IK, VFG, SUBANG. SAND 5% CLAY, 20-30% SILT

1-2% FG-MG SAND. STRINGERS OF CALICHE THROUGHOUT.

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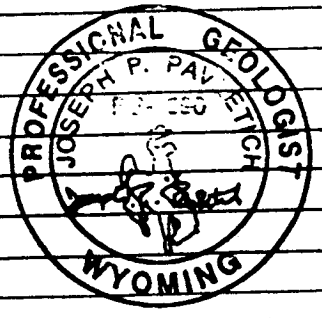
BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56 | Borehole/Well No.: ST-2H-02

Notes:

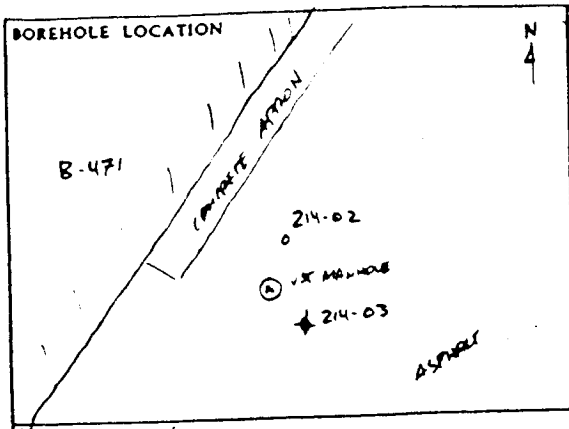
Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/PID	Analysis		Lithology Code	Depth (ft)	Recovery	Contact	
KAFB-ST2H-02-10/12			24	21	G	11 / 2.3 ppm on bkgrnd	SVOC	TCLP	BSED	10			9'? SAND (SP) BROWN (7.5YR 5/6) MOIST MED DENSE MOD ECT IK, VFG SUBANG SAND, 5-10% SILT 1-2% FG MK OCCAS. SUBANG. PEBBLES TO 5mm ϕ OCCAS. CALICHE BLEBS TO 5mm ϕ
							VOC			11			
							METALS	Hg only	MOIST	12			
										13			
										14			
										15			
			12	8	G					16			15.75' GRAVELLY SAND (SW) BROWN (7.5YR 5/6) MOIST. MED. DENSE-DENSE, MG-CG SUBANG. SAND, 5-10% SILT 10-15% VFG 5-10% VCG 15-20% SUBANG. PEBBLES TO 5mm ϕ
									SOIL	17			
										18			18'? SILTY SAND (SM) BROWN (7.5YR 4/6) MOIST, MED DENSE LOW PLAST IK, VFG-FG, SUBANG SAND. 5-10% CLAY, 15-20% SILT 1-2% MG-CG
										19			
										20			21.25 SAND (SP) BROWN (7.5YR 5/6) MOIST MED. DENSE, MOD. PLAST IK, VFG-FG SUBANG SAND, 2-3% CLAY, 5-10% SILT, 1-2% FG-MG MANGANESE STAIN COMMON
KAFB-ST2H-02-20/22			24	21	G	11 / 2 ppm (B.G. 600/100ppm)	SVOC	TCLP	BSED	21			
							VOC			22			
							METALS	Hg only	MOIST	SOIL			
										3			
										4			
										5			
										6			
										7			
										8			
										9			
										0			



Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: SP-214-03
	Job No: 2A56
Logged By: J. Pavlatuch	Edited By:
Project Manager: K. Walter	Drill Rig: Geoprobe
Drilling Contractor: EPE	
Driller/Helper: ~~B. Wolfe~~ M. CHAUGHAN / K. CRANDALL	
Drilling Method: Geoprobe Construction Method Code = D (driven), HA = Hand Augered	
Sample Method: LARGE BORE SAMPLER	
Hammer Weight/Drop: NA	Borehole Diameter: 1.375"
Started, Time: 1220	Date: 4-26-94
Completed, Time: 1355	Date: 4-26-94

Notes: 10-20'
3RD ATTEMPT SUCCESSFUL
BACKGROUND γ = 7 μR/HR

HNu/PID	<1 / 1.5 ppm					
β-γ (cpm)	10-100					
Time	1220					
Date	4-26-94					

Total Depth: 22 FT | Casing Depth:
Screened Interval:
Sand Pack, #3: #0:
Well Development Method:
Time: Date: Flow Rate:
Geophysical Logs, Type:
By: Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/PID Reading	Analyses		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
									SM					ASPHALT AT SURFACE
											1			SILTY SAND (SM) BROWN (7.5YR 4/6) MOIST
														MED DENSE, LOW-MOD EST. IL, VFG-FG SUB ANG SAND
											2			5% CLAY, 20-25% SILT 1-2% MG-CG
											3			
											4			
									SM/SP					
		↓	12	6	F						5			4'? SAND (SP) BROWN (7.5YR 4/6) MOIST, MED. DENSE,
											6			LOW EST IL, VFG-FG SUB ANG SAND, 10% SILT 10-20% MG.
														WEATHERED BEDDE COMMON. MOTTLED W/ CALICHE BLEBS OF
											7			CALICHE TO 10mm ϕ
											8			
											9			
									SM					
											10			

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56

Borehole/Well No.: ST-24-03

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/PID	Analysis		Lithology Code		Depth (ft)
KAFB-ST214-03 10/12		↓	24	22	G	11/2-2.5 BZ=20-0 ppm	SVOC, DRO GRO; VOC; METALS	Hg pH	MOIST		11–12
									SDGR		14
		↓	12	9	G	11/2 ppm BZ=50-70 ppm					15–16
									SDGS		19
KAFB-ST24-03 20-22		↓	24	22	F	11/2 ppm BZ= 40 ppm	SVOC, DRO GRO; VOC; METALS	Hg pH	MOIST	SDSP	20–22

9'? SILTY SAND (SM) BROWN (7.5YR 5/6) MOIST, MED DENSE, LOW EST IK, VFG-FG SUBANG SAND, 5% CLAY 15-20% SILT, 1-2% MG-CG SAND. WEATHERED BIOTITE COMMON

14'? SANDY GRAVEL (GW) BROWN (7.5YR 5/6) MOIST, DENSE MOD. EST IK. SUBANG. GRAVEL 3-8mm Φ, 5% SILT, 5% VFG, 10% FG, 10-15% MG 20% CG. WEATHERED BIOTITE COMMON

19'? SILTY SAND (SM) BROWN (7.5YR 4/6) MOIST, MED DENSE LOW EST IK, VFG SUBANG SAND 10-15% CLAY 20-25% SILT OCCAS. CALICHE BLEBS TO 3mm Φ OCCAS. SUBANG PEBBLES TO 3mm Φ.

21.5 SAND (SP) BROWN (7.5YR 6/6) DRY DENSE, LOW EST IK, VFG SUBANG SAND 2-3% SILT, 1-2% FG-MG STAINED W/ CALICHE 22-22.25

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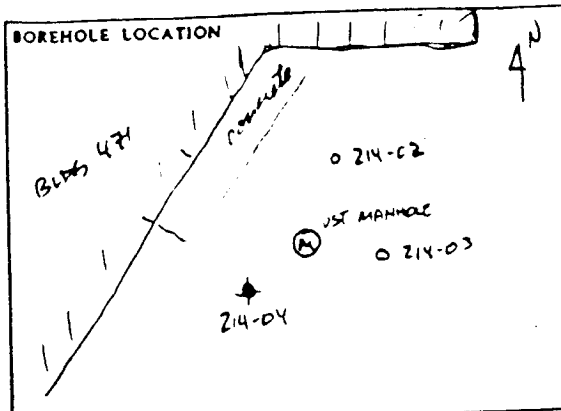
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: ST-214-04
	Job No: 2A56
Logged By: J. Pavletich	Edited By: JP
Project Manager: K. Walker	Drill Rig: Geoprobe
Drilling Contractor: BRE	
Driller/Helper: ~~B. Wolfe~~ K CRENDALL / S CAMP	
Drilling Method: Geoprobe Construction Method Code = V (driven), HA = Hand Augered	
Sample Method: LARGE BORE SAMPLER	
Hammer Weight/Drop: NA	Borehole Diameter: 1.375"
Started, Time: 1350	Date: 4-26-94
Completed, Time: 1535	Date: 4-26-94

Notes: 10-20'

FIRST BUCKED OBJECT AT 3' DEPTH, MOVE 3M TO EAST. THIS TIME SUCCESSFUL.

BACKGROUND γ = 7 μR/HR

HNu/FID	<1 / 2ppm						
β-γ (cpm)	40-80						
Time	1355						
Date	4-26-94						

Total Depth: 22 FT | Casing Depth:

Screened Interval:

Sand Pack, #3: #0:

Well Development Method:

Time: Date: Flow Rate:

Geophysical Logs, Type:

By: Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
									SDSL					ASPHALT AT SURFACE 6"
											1			SILTY SAND (SM) BROWN (7.5YR 4/6) MOIST,
														MED DENSE, LOW-MOD DENSE VFG-FG SUBANG SAND,
											2			5-10% CLAY, 20-25% SILT 2-3% MG-CG
											3			
											4		?	
									SDSL					
											5		?	4'? SILTY SAND (SM) BROWN (7.5YR 5/6) MOIST, MOD
			12	12	6	<1 / 3ppm @ 5'-10' Depth								DENSE, LOW CEMENT, VFG SUBANG SAND 20% SILT, 1-2% FG-
											6			MG SAND STAINED W/ CALICHE
											7			
											8			
											9		?	
									SDSL					
											10			

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56

Borehole/Well No.: ST-214-04

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/PID	Analysis		Lithology Code		Depth (ft)	Recovery	Contact	
KAFB-ST214-04 10/12			24	18	G	<1 / 2mm 0.2 = 40-80ppm	SVOC	DRO GRO			11			9' SILTY SAND (SM) BROWN (7.5 YR 5/6) MED DENSE. LOW-MOD EST IK, VFG-FG SUBANG SAND. <1% CLAY, 15-20% SILT 1-2% MG CALICHE COATED PATCHES TO 15mm ϕ AT 10.5'-11'
							VOC				12			
							METALS	Hg PB	MOIST		13			
											14			
											15			
			12	8	G	<1 / 2mm 0.2 - 40-80ppm					16			15'-16' SAME AS AT 9' - NO GRAVEL AS IN THE OTHER 2 HOLES AT THIS SITE
											17			
											18			
											19		?	19? SILTY SAND (SM) BROWN (7.5YR 5/6) MED DENSE LOW EST IK, VFG-FG SUBANG SAND, 1-2% CLAY, 20% SILT, 1-2% MG-CG. OCCAS. SUBANG PEBBLES TO 4mm ϕ CALICHE STAINED PATCHES TO 3mm ϕ
											20			
KAFB-ST214-01 2222			24	22	G	<1 / 2mm 0.2 - 80-160ppm 8-10	SVOC	DRO GRO			21			21.5' SAND (SP) BROWN (2.5YR 5/8) MOIST. MED DENSE, LOW EST IK, VFG SUBANG SAND, 5-10% SILT, 1-2% MG
							VOC				22			
							METALS	Hg PB	MOIST					
											3			
											4			
											5			
											6			
											7			
											8			
											9			
											0			

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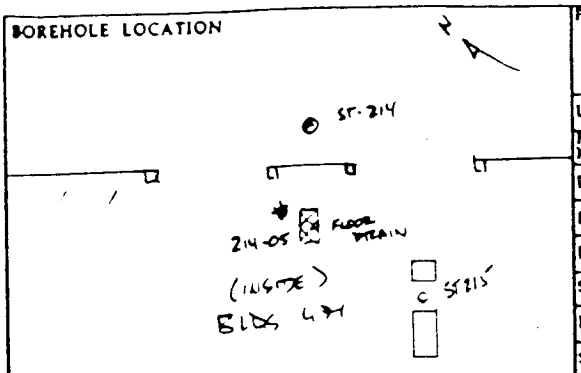
Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: SS-214-05
	Job No: 2A56
Logged By: J. Pavletich	Edited By:
Project Manager: K. Walter	Drill Rig: Geoprobe
Drilling Contractor: BASE	
Driller/Helper: B. Wolfe / W CHRISTAL	
Drilling Method: Geoprobe Construction Method Code = V (driven), HA = Hand Augered	
Sample Method: LARGE BORE SAMPLER	
Hammer Weight/Drop: NA	Borehole Diameter: 1.375"
Started, Time: 0900	Date: 4-27-94
Completed, Time: 1100	Date: 4-27-94

Notes:

BACKGROUND @ BOREHOLE @ 0900

HNu/FID	1.5/3					
β-γ (cpm)	40-80					
Time	0910					
Date	4-27-94					

Total Depth: 24 FT | Casing Depth:

Screened Interval:

Sand Pack, #3: #0:

Well Development Method:

Time: Date: Flow Rate:

Geophysical Logs, Type:

By: Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
									SAA		1			CONCRETE 0-6" - NO SAMPLE RETRIEVED UNTIL A DEPTH OF ABOUT 2.5 FT.
											2			SILTY SAND (SM) BROWN (7.5YR 5/4) DRY; MOD DENSE; LOW EST IK, VFG-FG ANG. SAND, NO CLAY, 20-25% SILT, 1-2% ANG. CG. GRAVEL SUBRND PEBBLES TO 3mm Φ
									SAA		3			
											4		?	
		12	6	4							5		?	4' SILTY SAND (SM) BROWN (10YR 6/4) DRY, MOD DENSE MOD. EST IK, VFG-FG SUBANG. SAND, NO CLAY, 15% SILT CLAST. SUBANG PEBBLES TO 3mm Φ. LIGHTLY STAINED W/ CALICHE THROUGHOUT.
											6			
											7			
											8			
											9			
											10			

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56

Borehole/Well No.: ST-214-05

Notes:

Sample ID	Sampler Type	Blows / 6 inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/PID	Analysis		Lithology Code	Depth (ft)
KAFB-ST 214-05 1014			48	20	G	0/2ppm B:7=20 ...ppm	SVOC	DRO	SDSL / GRO	11–14
							VOC			
							METALS	Hg pH	MOIST	
			12	6	F				SDSL	15–17
									SDGR / SDSL	17–20
KAFB-ST214-05 2024			24	16	G	0/2ppm B:7=44 ...ppm	SVOC	DRO	GRO / SILT / SDSF	20–22
							METALS	Hg pH	MOIST	
			24	22	G	0/7ppm B:7=20 ...ppm	VOC		SDSF-SDFN / SDSL	22–24

11'? SILTY SAND (SM) BROWN (7.5YR 5/6) MOIST, MOD. DENSE LOW-MOD EST IK, VFG SUBANG. SAND. 15-20% SILT, 5-10% FG 1% MG OCCAS SUBANG PEBBLES TO 7MM

POSSIBLE VOID OR VERY SOFT MATERIAL AT 12'-13'

15' SILTY SAND (SM) BROWN (7.5YR 5/6) MOIST MED DENSE LOW EST IK, VFG SUBANG SAND. 5-10% CLAY. 15-20% SILT 2-3% FG-MG. OCCAS ANG. PEBBLES TO 5 mm Φ

17.5-18.5 SANDY GRAVEL (DRILLER) ABOUT 18'

20.75' SILT (ML) BROWN (7.5YR 5/4) MOIST, STIFF, LOW EST IK, 1-2% VFG-MG SUBANG SAND.

21.25' SAND (SP) BROWN (7.5YR 5/6) MOIST, DENSE, LOW-MOD EST IK, VFG SUBANG SAND. 5-10% SILT. 1-2% FG-MG. RARE RND PEBBLES TO 3mm Φ

22' SAND (SP) BROWN (7.5YR 5/6) MOIST, DENSE LOW-MOD, EST IK, VFG-FG SUBANG SAND 5% SILT, 1-2% MG

23' SILTY SAND (SM) BROWN (7.5YR 5/6) MOIST, DENSE, LOW EST IK, VFG-FG SUBANG. SAND 5-10% CLAY. 15-20% SILT, 1-2% MG. WEATHERED BIOTITE COMMON.

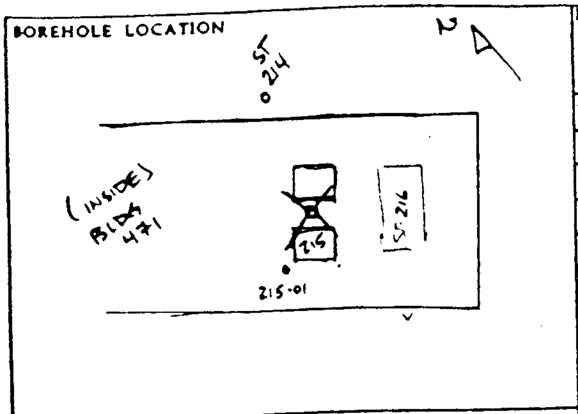
T.D. 24

PROFESSIONAL GEOLOGIST
JOSEPH P. PAVLETICH
PG-1990
WYOMING

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project:	KAFB Stage 2B
Borehole/Well No:	ST-215-01
Job No:	2A56
Logged By:	J. Pavlevich
Edited By:	[illegible]
Project Manager:	K. Walter
Drill Rig:	Geoprobe
Drilling Contractor:	
Driller/Helper:	B. Wolfe / M Christian
Drilling Method:	Geoprobe Construction Method Code = V (driven), HA = Hand Augered
Sample Method:	LARGE-BORE SAMPLER
Hammer Weight/Drop:	NA
Borehole Diameter:	1.375'
Started, Time:	1325
Date:	4-27-94
Completed, Time:	1550
Date:	4-27-94

Notes: 3', 8'

BACKGROUND γ = 8μR/HR

HNu/FID	1/2 ppm				
β-γ (cpm)	40-100				
Time	1324				
Date	4-27-94				

Total Depth: 30 FT

Casing Depth:

Screened Interval:

Sand Pack, #3: #0:

Well Development Method:

Time: Date: Flow Rate:

Geophysical Logs, Type:

By: Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses	Lithology Code	Depth in Feet	LITHOLOGIC DESCRIPTIONS
								SM		CONCRETE 6" SILTY SAND (SM) BROWN (7.5YR 4/6) MOIST, MED DENSE LOW EST IK, FG SUBANG SAND 10% CLAY, 15-20% SILT 20% VFG 1-2% MG-CG.
									1	
									2	
								SD SM	3	
KAFB-ST215-01 03A2			24	22	G	2 ppm / 2-4 ppm; β-γ 80-110 cpm	TCLP METALS; TCLP METALS; METALS Hg pH MOISTURE		4	2.5'? SILTY SAND (SM) PALE BROWN (10YR 8/3) DRY, MED DENSE LOW EST IK, VFG-FG SUBANG SAND. 5% CLAY, 20% SILT. 2-5% MG OCCAS. SUBRND PEBBLES TO 4mmφ SLIGHT SOLVENT ODOR
			24	20	G	[illegible] / 150-250 ppm; β-γ 80-100 cpm	VOC; SVOC DIW 8270; FLASH POINT	SW	5	COLOR CHANGE TO BROWN AT ABOUT 6'
									6	6.5' SAND (SW) BROWN (7.5YR 6/6) MOIST, MED DENSE LOW EST IK, FG SUBANG SAND. 10% SILT 10-20% VFG. 5-10% MG. 1-2% CG. SLIGHT SOLVENT ODOR
									7	
KAFB-ST215-01 08A2			24	20	G	1.5/2.5 ppm; β-γ 75-80 cpm	TCLP METALS; TCLP METALS; METALS Hg pH MOISTURE	SD SM	8	AT 8'. <5% SILT 1-2% FG-MG. VFG SUBANG SAND
									9	9.9' SILTY SAND (SM) BROWN (7.5YR 5/6) MOIST MED DENSE, LOW EST IK, VFG-FG SUBANG SAND. 10% CLAY 10-20% SILT 5% MG 1% CG. OCCAS SUBRND PEBBLES TO 5mmφ
								SW	10	

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56

Borehole/Well No.: ST-25-01

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/PID	Analysis			Lithology Code		Depth (ft)
		↓	24	22	6	10-180 / 4.5-20 / 1.7-2.0	SVOC	DRO	GRO		SDSL	10–12
							VOC					
							RASA POINT				SDIF	12
											GVLP	14
		↓	12	8		5/?						15–16
		↓	12	12	6	3.5/3.5					SDIN	20–21
		↓	12	9	6	2/3.0 BZ=40-100 ppm					SDIN	25–26
KAFB-ST25-01 2630		↓	24	21	6	3.0/3.5 BZ=40/100 ppm	TCLP	METALS			SDLR	26–28
							TCLP	METALS				
							SVOC	DRO	GRO			
		↓	24	22	6	1.5/2.5 BZ=20-40 ppm	VOC					28–30
							RASA POINT				SDSL	
							METALS	Hg PR	MOIST.			30

Depth scale: 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30

10'-12' STRONG SOLVENT SMELL, DISCOLORATION OF SOIL

11.75' SAND (SP) BROWN (7.5 YR 5/6) MOIST, MED DENSE. LOW-MOD EST IK, VFG SUBANG SAND. 5-10% SILT, 5% FG. WEATHERED BIOTITE COMMON. 1% SUBRND PEBBLES TO 5mm Ø

14'? SANDY GRAVEL (GW) BROWN (7.5YR 5/6) MOIST DENSE, MOD EST IK, ANG-SUBANG GRAVEL TO 7-10mm 5% SILT, 10% VFG,-FG, 15% ~~MG~~-CG. WEATHERED BIOTITE COMMON

20.75' SILTY SAND (SM) BROWN (7.5YR 5/6) MOIST, DENSE, LOW EST IK, VFG ~~SUBANG~~ SAND, 5-10% CLAY, 25-30% SILT, 1-2% FG-MG YELLOW-BROWN STAINING TO 3mm Ø COMMON.

PROFESSIONAL GEOLOGIST
JOSEPH R. PAVLETICH
PG-1930
WYOMING

25'-26' SAME AS AT 21'

26' SAND (SW) BROWN (7.5YR 4/6) MOIST, MED DENSE, LOW EST IK, FG SUBANG SAND, 10% SILT 15% VFG. 5-10% MG 5% CG.

26.5-27.5 GRAVELLY SAND (SW) BROWN (7.5YR 6/4) MOIST, DENSE MOD EST IK, MG SUBANG SAND 5-10% SILT, 10% VFG, 15% FG, 30% SUBANG. PEBBLES TO 5mm Ø. AT 28.' 40% PEBBLES NO SILT, 5% VFG 15% FG.

29 SANDY SILT (ML) BROWN (7.5YR 6/4) MOIST, STIFF, LOW EST IK, 15% VFG 10% FG.

DRILLER SAYS COBBLES/V DENSE AT 30'

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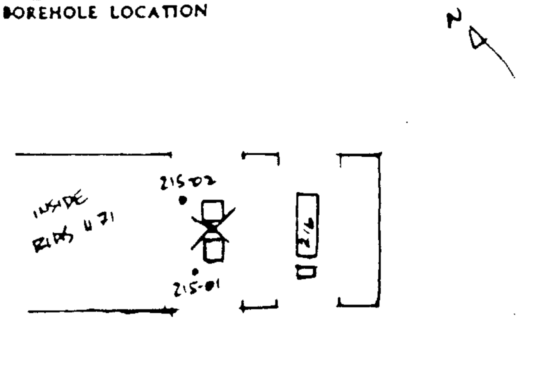
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project:	KAFB Stage 2B
Borehole/Well No:	ST-215-02
Job No:	2A56
Logged By:	J. Pavletich
Edited By:	[illegible]
Project Manager:	K. Walker
Drill Rig:	Geoprobe
Drilling Contractor:	BRG
Driller/Helper:	B. Wolfe / S. CAMP
Drilling Method:	Geoprobe — Construction Method Code = V (driven), HA = Hand Augered
Sample Method:	LARGE-BORE SAMPLER
Hammer Weight/Drop:	N/A
Borehole Diameter:	1.375"
Started, Time:	0850 — Date: 4-28-94
Completed, Time:	1140 — Date: 4-28-94

Notes: 3.8'

BACKGROUND γ = 9 μR/HR

HNu/FID ppm	1.5 / 2.5
β-γ (cpm)	2060
Time	0855
Date	4-28-94

Total Depth: 30 FT

Casing Depth:

Screened Interval:

Sand Pack, #3:

Well Development Method:

Time: Date:

Geophysical Logs, Type:

By: Date:

PROFESSIONAL GEOLOGIST — JOSEPH P. PAVLETICH — PG-1990 — WYOMING

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses	Lithology Code	Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
								SDNF	0–3			CONCRETE 0'-.5' SAND (SP) BROWN (7.5YR 5/6) MOIST, MED. DENSE MOD EST 1K, VFG SUBANG SAND, 5-10% SILT, 10% FG 2-3% MG OCCAS. SUBANG-SUBRND PEBBLES TO 3mm ϕ
KAFB-ST215-02 0302		↓	24	22	G	10-100 / 30-150; β-γ = 60-100 cpm	TCLP METALS; TCLP METALS; METALS by FA MOIST		3–5			3'-5' SAME AS ABOVE, COLOR CHANGE TO LT BROWN (10YR 7/5) AT ABOUT 4' STAINED THROUGHOUT W/ CALICHE, NOTICEABLE HYDROCARBON/SOLVENT ODOR
		↓	24	22	G	60-140 / 52-120; β-γ = 60-120	VOC; SVOC [illegible] GRO; FLASH PT	SDSL	5–7			COLOR CHANGE AT 6.5' 6.5' SILTY SAND (SM) BROWN (7.5YR 5/6) MOIST, MED. DENSE, LOW EST 1K, VFG SUBANG SAND 10% CLAY, 15-20% SILT 2-3% MG. NOTICEABLE HYDRO/SOLVENT ODOR.
								SDNF	7–8			7.5' SAND (SP) DRK BROWN (5YR 4/3) MOIST, MED DENSE
KAFB-ST215-02 0803		↓	24	22	G	[illegible] / 80-180; β-γ = 40-120	TCLP METALS; TCLP METALS; FLASH POINT	SDSL	8–10			MOD. EST 1K, VFG SUBANG SAND 5-10% SILT, 1-2% MG BLACK STAINED PATCHES TO 3mm ϕ COMMON, HEAVY HYDROCARBON ODOR SILTY SAND (SM) BROWN (7.5YR 4/4) MOIST,

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No: KAFB 2B 2AS6

Borehole/Well No.: ST-215-02

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/PID	Analysis	Lithology Code	Depth (ft)
			36	22	9	B-120/B-125; BZ-40/20	VOC; SVOC TPH GRO; METALS Hg pH MOIST	SW/F	11–13
			12	11	9	2/5; BZ-20-60 ppm		SW/F	15–16
			12	10	6	140/190; BZ-80-100 ppm		SW/F - SM; CLAY; SM	20–21
KAFB-ST215-02-2630 } + MS/MSD			12	11		1/2; BZ-20-20			25–26
			24	22	9	0-4/0-2; BZ-60-80	TCLP METALS; FLASH PT; TCLP ORGANICS	SW F-SM	26–28
			24	22	4	0-4.6/0-7; BZ-40-80 ppm	SVOC TPH GRO; VOC; METALS Hg pH MOIST	SM	28–30

Depth (ft): 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30 TD

DENSE, LOW EST IR, VFG SUBANG. SAND 15% SILT, 1-2% FG 1-2% MG. SUBROUND PEBBLES TO 5mm ϕ COMMON AT 8FT. CALICHE PATCHES TO 3mm ϕ COMMON AT 8 FT

SAND (SP) BROWN (7.5 YR 4/4) MOIST, MED DENSE, MOD EST IR, VFG SUBANG SAND, 5-10% SILT, 1-2% FG MINOR CALICHE PATCHES TO 5mm at 11.5' STRONG ODOR AT 13' VFG-FG SUBANG SAND, COLOR CHANGE TO BROWN (7.5YR 5/6) AT 12.5 FT.

14'? SILTY SAND (SM) BROWN (7.5 YR 4/4) MOIST, MED. DENSE LOW EST IR, VFG-FG SUBANG SAND, 10% CLAY, 15-20% SILT, 2-5% MG-CG. 10%. SUBANG PEBBLES TO. 7mm ϕ

20.25' SAND (SW) BROWN (7.5 YR 5/4) MOIST, MED. DENSE, LOW EST IR, VFG-FG SUBANG. SAND, 10% SILT, 10% MG. 5-10% SUBANG. PEBBLES TO 4mm ϕ.

20.9' CLAY (ML) ~~RED~~ BROWN (5YR 4/4) MOIST, MED STIFF-STIFF LOW EST IR, 5-10% SILT. ~~RED BROWN~~ STAINED STRINGERS TO 3mm LONG.

22.5 SILTY SAND (SM) BROWN (10YR 4/6) MOIST, ~~MED~~ DENSE, LOW EST IR, VFG-FG SUBANG SAND, 10% CLAY, 15-20% SILT 2-5% MG. OCCAS. SUBANG PEBBLES TO. 3mm ϕ.

27' SAND (SP) BROWN (7.5 YR 5/6) MOIST, MED. DENSE LOW-MOD EST IR, VFG-FG SUBANG SAND, 10% SILT 10% MG ABUND. WEATHERED BIOTITE

29' SILTY SAND (SM) BROWN (7.5YR 4/6) MOIST, DENSE LOW EST IR, VFG-FG SUBANG SAND 10% CLAY, 15-20% SILT 1-2% MG WEATHERED BIOTITE COMMON. COLOR CHANGE TO TAN (10YR 6/4) AT 25.5' BLACK STRINGER 2mm THICK 10mm long at 30'

TD

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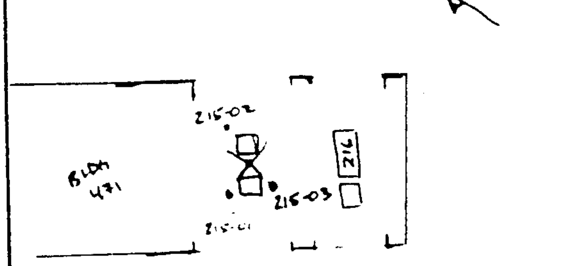
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project:	KAFB Stage 2B
Borehole/Well No:	ST-215-03
Job No:	2A56
Logged By:	J. Pavletich
Edited By:	[illegible]
Project Manager:	K. Walker
Drill Rig:	Geoprobe
Drilling Contractor:	BRE
Driller/Helper:	B. Wolfe / S. CAMP
Drilling Method:	Geoprobe Construction Method Code = V (driven), HA = Hand Augered
Sample Method:	LARGE-BORE SAMPLER
Hammer Weight/Drop:	N A
Borehole Diameter:	1.375"
Started, Time:	1215 Date: 4-28-94
Completed, Time:	1600 Date: 4-28-94

Notes:

BACKGROUND
γ = 8 μR/HR

HNu/FID	1.2 / 1.5				
β-γ (cpm)	40-60				
Time	1215				
Date	4-28-94				

Total Depth: 30 FT	Casing Depth:
Screened Interval:	
Sand Pack, #3:	#0:
Well Development Method:	
Time: Date:	Flow Rate:
Geophysical Logs, Type:	
By:	Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses	Lithology Code	Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
								SM	0			CONCRETE 0-4"
												SILTY SAND (SM) BROWN (7.5YR 4/6) MOIST MED. DENSE
									1			LOW EST 1K, VFG-FG SUBANG SAND, 15% SILT, 5-10% MG-CG
									2	SIDETRACK HNU/OVA		** NOTE: IN ORDER TO COLLECT [illegible] SAMPLE, ANGLE HOLE (10°)
												BORED FROM 3'-10 FT. [illegible] SAMPLES [illegible] THE SAME
			34	20	G	2-1.50 / 1.9 ppm; β-γ 30-40 cpm		SM	3			DESIGNATION, SIDETRACK SAMPLE [illegible] (TEST, [illegible]) THE SAME AS [illegible]
									4	6-11 / 25-40 ppm		SAMPLE [illegible].
KAFB-ST215-03-0310							TCLP METALS		5			3.5' SILTY SAND (SM) BROWN (7.5YR 4/6) MOIST, MED. DENSE
KAFB-ST215-94-0310							VOC					LOW EST 1K, VFG-FG SUBANG SAND, 5-10% CLAY, 20-25% SILT,
							SVOC TPH	SM	6			2-3% MG. WEATHERED BIOTITE COMMON. [illegible] W/ CALICHE TO 6'
			48	19	G							6-10' SAME AS AT 4-6' - MOTTLED [illegible] BLACK (10YR 6/1)
									7			HEAVY HYDROCARBON/SOLVENT ODOR
						5-13.0 / 12.25 ppm; β-γ 40-80 cpm			8	14-60 / 35-75 ppm		
							FLASH POINT		9			
							TCLP METALS					
							METALS H_2O	MOIST	10			

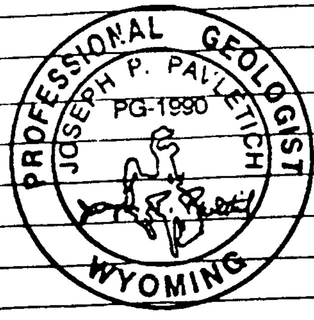
Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2AS6

Borehole/Well No.: ?-15-03

Notes:



Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/PID	Analysis		Lithology Code	Depth (ft)
										11
										12
										13
										14
									GVLP	15
			12	8		1?/30 BZ: BG-40/10 ppm				16
									SDVF	17
										18
									SDFM	19
			12	4	5	3.5/11 BZ: BG 40 ppm				20
										21
										22
										23
									SDSL	24
			12	12	6	0.0/1.5 BZ: BG-110 ppm				25
KAFB-SP015-03-2630			24	21	6	0.5-2/2.5 BZ: 60/100 ppm	VOC SVOC PEST	DRO GRO PCB	SDGR	26–27
			24	22		0/0.25-0.5	TCLP TCLP METALS	METALS METALS Hg pH	SDVF SDSL MOIST	28–29
										30

15? SILTY GRAVEL (GW) BROWN (7.5YR 4/4) MOIST, DENSE LOW EST IK ANG-SUBANG GRAVEL TO 8mm ϕ, 15% SILT, 10-20% VFG-FG. 10% MG CG. ABUND. WEATHERED BIOTITE.

16.75' SAND (SW) ~~BROWN~~ (7.5YR 4/4) ~~MOIST~~, ~~MED DENSE~~ LOW EST IK, FG SUBANG. SAND 5-10% SILT. 10-15% VFG. 5% MG. ~~[illegible]~~

19.5? SAND (SW) BROWN (7.5YR 5/4) MOIST, DENSE, LOW MOD. EST IK, FG SUBANG SAND, 5% SILT, 10-15% VFG. 10-15% MG. 10-15% CG, 5-10% SUBROUND.-SUBANG PEBBLES TO 10 mm ϕ

24' SILTY SAND (SM) BROWN (10YR 5/6) MOIST, MED DENSE LOW EST IK, VFG-FG SUBANG SAND, 15% SILT, 5-10% MG. 1-2% CG, OCCAS. SUBROUND PEBBLES TO 5mm ϕ. WEATHERED BIOTITE COMMON

26.5' GRAVELLY SAND (SW) BROWN (7.5YR 6/3) DRY, MED DENSE MOD. EST. IK, MG SUBANG SAND, 10-15% VFG, 10-15% FG, 10-20% SUBANG. PEBBLES TO 4mm ϕ. WEATHERED BIOTITE COMMON.

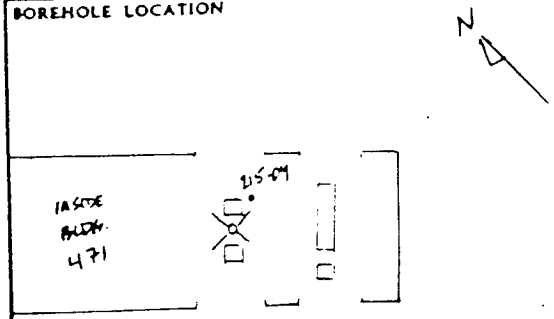
27.8' SAND (SP) BROWN (7.5YR 5/6) DRY, MED DENSE MOD EST IK VFG SUBANG. SAND. 5-10% SILT, 10-20% FG. 2-5% MG-CG ABUNDANT WEATHERED BIOTITE

28.75' SANDY SILT (ML) BROWN (5YR 5/3) MOIST, STIFF, LOW EST IK, 15-20% VFG SUBANG SAND. BLACK STAINED FRACTURES TO 3mm ϕ COMMON AT 30 FT.

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: SI-215-04
Logged By: J. Pavletich	Job No: 2AS6
Project Manager: K. Walter	Edited By: JP
Drilling Contractor: BRE	Drill Rig: Geoprobe
Driller/Helper: B. Wolfe / S. CAMP	
Drilling Method: Geoprobe Construction Method Code: V (driven), HA = Hand Augered	
Sample Method: LARGE BORE SAMPLER	Borehole Diameter: 1.375"
Hammer Weight/Drop: NA	Date: 4-29-94
Started, Time: 0900	Date: 4-29-94
Completed, Time: 1135	

Notes:

BACKGROUND γ = 8 mR/HR

HNu/PID	1.5 / 3.5					
B-T (ppm)	60-100					
Time	0910					
Date	4-29-94					

Total Depth: 30 FT — Casing Depth:

Screened Interval:

Sand Pack, #3: — #0:

Well Development Method:

Time: — Date: — Flow Rate:

Geophysical Logs, Type:

By: — Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/PID Reading	Analyses		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
KAFB-SI-215-04 0309			36	22	G	0/0 20-80ppm	SVOC	TPH GRO	SDVF		1			CONCRETE 0-.5' SAND (SP) BROWN (10YR 5/6) DRY, LOOSE MED DENSE, MOD EST IK VFG SUBANG SAND. 5% SILT, 5-10% FG-MG. OCCAS SUBANG PEBBLES TO 3mm ϕ
											2			
											3			~3' SILTY SAND (SM) LT BROWN (5YR 7/6) DRY DENSE, LOW EST IK, VFG SUBANG SAND. 15% SILT, 5-10% FG, 1-2% MG. SOFTENED W/ CALICHE
			36	22	G				SDVL		4			COLOR CHANGE AT ABOUT 5' TO (10YR 7/4)
							VOC				5			
							ANIONS	Hg PB	MISSING		6			6.5' SAND (SP) BROWN (10YR 6/4) DRY, MED. DENSE, MOD EST IK, VFG, SUBANG SAND, 1-2% SILT, 1-2% FG-MG.
			36	22	G				—	SDVF	7			
						0/0 80-100ppm	TOP	ANIONS			8			8' SAND (SP) BROWN (10YR 5/6) MOIST MOD. DENSE MOD EST IK, FG, SUBANG. SAND 1% SILT 10-20% VFG. 1-2% MG. CALICHE SOFTENED FRACTURES TO 8mm Ø, STRINGERS 1-2mm WIDE VERTICALLY ORIENTED AT 9'
							TCLP	ANIONS			9			
							FLASH	POINT		SDFN	10			

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56 | Borehole/Well No.: SI-215-04

Notes:

Sample ID	Sampler Type	Blows / 6 inch	Inches Driven	Inches Recvd	Sample Cond.	HNu/PID	Analysis		Lithology Code		Depth (ft)	Recovery	Contact	
KAFB-SI215-04 10'S			24	21	G	0-15/0-2 BZ=100-120 ppm	VOC		SAND	SP	10			10' SAND (SP) BROWN (7.5YR 5/6) MOIST, MED DENSE, LOW EST IK, VFG SUBANG SAND, 10% SILT, 10% FG, 1% MG-CG, CALICHE CEMENTED 1-2mm LONG VERTICALLY ORIENTED, OLIVE STAINS PERVASIVE TO SAND
							SVOC	NAPH 6270			11			
							METALS	Hg 7471	MISSING		12			
											13			13'-15' UP TO 10% SUBANG PEBBLES TO 7mm ϕ
			24	22	G	0-15/0-2 BZ=20-40 ppm	TCLP	METALS			14			
							TCLP	METALS						
							FLASH	POINT			15			
											16			
											17			
											18			
											19			
										SP(A)				
			12	10	G	2Z/Hg BZ=40-60 ppm					20		?	20' ? SAND (SW) BROWN (7.5YR 5/4) MOIST, DENSE, LOW-MED EST IK, FG SUBANG SAND, 5-10% SILT, 10-15% VFG, 10-15% MG, 10-15% CG, 10% SUBANG - SUBRND PEBBLES TO 10 mm ϕ. MICACEOUS BIOTITE COMMON
										SW/P	21			
											22			20.9' SAND (SP) BROWN (7.5YR 5/4) MOIST, MED. DENSE LOW EST IK, VFG SUBANG SAND, 5-10% SILT, 1-2% FG-MG
											23			
											24			
										SP/L			?	24' ? SILTY SAND (SM) BROWN (7.5YR 5/6) MOIST, MED. DENSE LOW EST IK, VFG SUBANG SAND, 5% CLAY 15-20% SILT, 5% MG, 1-2% CG DOCM. SUBRND PEBBLES TO 3mm ϕ
			12	9	G	0/0 BZ=0-0 ppm					25			
											26			27.25' SANDY GRAVEL (GP) TAN (7.5YR 6/3) DRY, DENSE, MOD. EST IK, SUBANG-SUBRND PEBBLES TO 5 mm ϕ, 10% SILT 15-20% VFG-FG SAND, MICACEOUS BIOTITE COMMON
KAFB-SI215-04 21'S			24	21	G	0/0 BZ=2 ppm	SVOC	NAPH	8270		27			
							VOC			GVLP				
							METALS			SSVP	28			28.25' SAND (SP) BROWN (7.5YR 5/8) DRY, MED DENSE, LOW EST IK, FG SUBANG SAND, 5-10% VFG, 5-10% MG 5% CG ROUND. BIOTITE
			21	22	G	0/0 BZ=40-60 ppm	TCLP	METALS			29			29-29.4' SANDY GRAVEL SAME AS AT 27.25'
							TCLP	METALS		SVVP				29.4' SILTY SAND (SM) BROWN (7.5YR 6/3) MOIST, MED DENSE, LOW EST IK, VFG SUBANG. SAND, 30% SILT, 5-10% CLAY.
							FLASH	POINT		SSSL	30			

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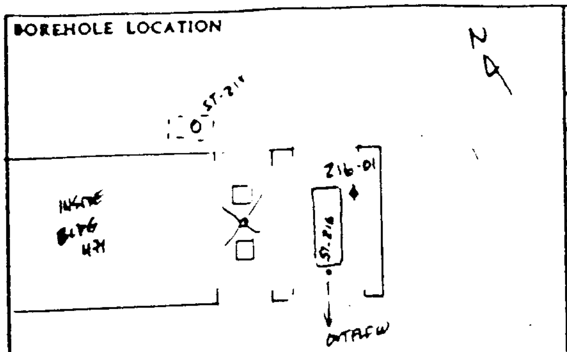
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: ST-216-01
	Job No: 2A56
Logged By: J. Pavletich	Edited By: B
Project Manager: K. Walter	Drill Rig: Geoprobe
Drilling Contractor: BRE	
Driller/Helper: B. Wolfe / M. Christian	
Drilling Method: Geoprobe Construction Method Code = V (driven), HA = Hand Augered	
Sample Method: LARGE BORE SAMPLER	
Hammer Weight/Drop: N.A.	Borehole Diameter: 1.375"
Started, Time: 1115	Date: 4-27-94
Completed, Time: 1210	Date: 4-27-94

Notes: 3', 8'

BACKGROUND γ = 8uR/HR

HNu/FID	1.0 / 2ppm				
β-γ (cpm)	20-80cpm				
Time	1113				
Date	4-27-94				

Total Depth: 13 FT	Casing Depth:
Screened Interval:	
Sand Pack, #3:	#0:
Well Development Method:	
Time: Date:	Flow Rate:
Geophysical Logs, Type:	
By:	Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses			Lithology Code		Depth in Feet
										SD/SM		0–3
KAFB-ST216-01-0307 / KAFB-ST216-99-0307		↓	24	22	6	0/2ppm, β-γ 80-110cpm	SVOC / SVOC / METALS	TPH 418 / TPH 418 / Hg pH	GRO / GRO-R / MOIST	SD/SM		3–5
		↓	24	22	6	0/2ppm, β-γ 20-80cpm	METALS / VOC / VOC-R	Hg pH	MOIST-R			5–7
										SD/FM / SD/FM		7–10

LITHOLOGIC DESCRIPTIONS

CONCRETE 0-14"

SILTY SAND (SM) BROWN (7.5YR 5/6) DAMP, LOW EST IR, VFG-FG SUBANG SAND, 10% CLAY 15-25% SILT 2-3% MG CS PCAS. SUBROUND PEBBLES TO 5mmφ

2.5' SILTY SAND (SM) YELLOW-WHITE (5YR 8/2) DRY, MED DENSE LOW EST IR, VFG-FG SUBANG. SAND 5-10% CLAY 15-20% SILT 2-3% MG HEAVILY STAINED/CEMENTED W/ CALICHE.

COLOR CHANGE TO BROWN (10YR 5/6) AT 7'

NOTE: DRILLER OVERDROVE HOLE TO 10 FT, MISSING 8 FT SAMPLE. SAMPLE COLLECTED AT 10-13 FT.

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56 | Borehole/Well No.: SS-216-01

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recvd	Sample Cond.	HNu/PID	Analysis		Lithology Code		Depth (ft)	Recovery	Contact
KAFB-SS216-01-1013			36	20	4	0/15 10-8-40-80 ppm	SVOC VOC METALS	DRO GRO Hg pH	MOIST		11 12 13 14 15 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0		

7.5' SAND (SP) BROWN (7.5YR 5/8) MOIST MED DENSE LOWEST 1', VFG-FG SUBANG SAND. 5-10% SILT 5-10% MG 1% CG LARGE CALICHE PIECE AT 11.75' OCCASS SUBANG PEBBLES TO 3mm ϕ THROUGHOUT

AT 13' <1% SILT, <2% MG. WELL SORTED VFG-FG SUBANG SAND.

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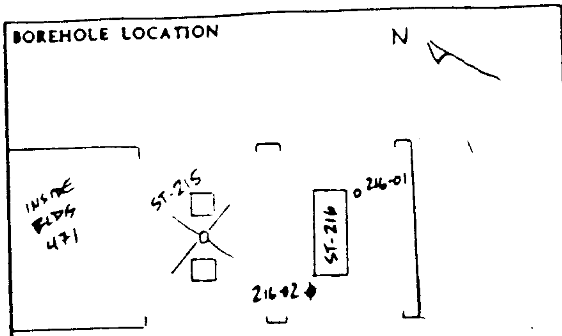
BOREHOLE / WELL CONSTRUCTION LOG

Project: KAFB Stage 2B	Borehole/Well No: ST-216-02
	Job No: 2A56
Logged By: J. Pavletich	Edited By: [illegible]
Project Manager: K. Walker	Drill Rig: Geoprobe
Drilling Contractor: B RE	
Driller/Helper: B. Wolfe / M. CHRISTIAN	
Drilling Method: Geoprobe	Construction Method Code = V (driven), HA = Hand Augered
Sample Method: LARGE-BORE SAMPLER	
Hammer Weight/Drop: NA	Borehole Diameter: 1.375"
Started, Time: 1210	Date: 4-27-94
Completed, Time: 1300	Date: 4-27-94

BOREHOLE LOCATION



Notes: 3.8'

BACKGROUND γ: 8 μR/HR

HNu/FID	1/2 ppm
β-γ (cpm)	40-60 cpm
Time	1207
Date	4-27-94

Total Depth: 10 FT
Screened Interval:
Sand Pack, #3:
Well Development Method:
Time: Date:
Geophysical Logs, Type:
By:

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Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses	Lithology Code	Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
									0–1			CONCRETE TO 8"
								SM	1–2			SILTY SAND (SM) BROWN (7.5YR 4/6) MOIST, LOW EST K, VFG-FG SUBANG SAND, NO CLAY 15-20% SILT 1-2% [illegible], OCCAS SUBRND PEBBLES TO 5 mm ø
KAFB-ST216-02 0306			36	22	G	1/2 ppm β-γ 40-60 cpm	SVOC TPH TPH-D, VOC, METALS Hg pH MOIST	SM	3–6			3.5' SILTY SAND (SM) BROWN (10YR 7/4) DRY DENSE, LOW EST K, VFG-FG SUBANG. SAND. 15% SILT, 1-2% MAX. OCCAS. SUBANG PEBBLES TO 4 mm ø. LIGHTLY STAINED THROUGHOUT W/ CALICHE
								SM/SP, SP/SM	7–8			
KAFB-ST216-02 0810			24	22	G	1/2 ppm β-γ 40-60 cpm	SVOC TPH TPH-D, VOC, METALS Hg pH MOIST.		8–10			7'? SAND (SP) BROWN (7.5YR 5/6) DRY, DENSE, LOW-MOD. EST K, VFG-FG SUBANG SAND. 5-10% SILT 1-2% MG, OCCAS SUBRND PEBBLES TO 5 mm ø. AT 10' < 2% SILT

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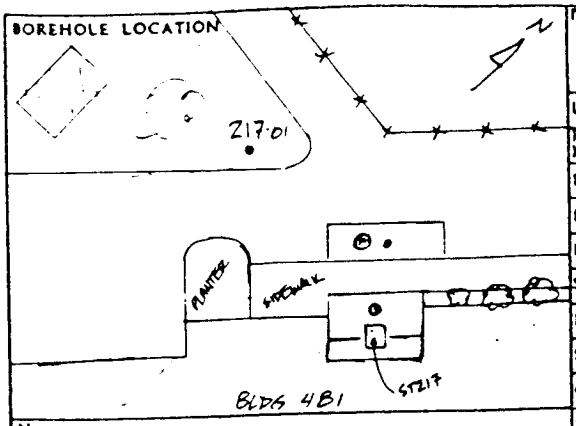
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: ST-217-01
	Job No: 2A56
Logged By: J. Pavletich	Edited By: JP
Project Manager: K. Walker	Drill Rig: Geoprobe
Drilling Contractor: BRE	
Driller/Helper: B. Wolfe / S. CAMP	
Drilling Method: Geoprobe Construction Method Code: V (driven), HA = Hand Augered	
Sample Method: LARGE BORE SAMPLER	
Hammer Weight/Drop: NA	Borehole Diameter: 1.375"
Started, Time: 1135	Date: 4-15-94
Completed, Time: 1249	Date: 4-15-94

Notes: 6" = 1'

BACKGROUND READINGS: OVA: 10PPM, HNU: 0PPM
@ 3'-60-120 CPM

~~Water Depth~~ OVA/HNU	10PPM/0PPM					
~~Bailer/Casing Depth~~ BZ	10mR/hr 60-120CPM					
Time	1200					
Date	4-15-94					

Total Depth: 13 FT | Casing Depth:

Screened Interval:

Sand Pack, #3: 60:

Well Development Method:

Time: Date: Flow Rate:

Geophysical Logs, Type:

By: Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/PID Reading	Analyses		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact
									SDYF STFN		1		
											2		
											3		
											4		?
									STFN		5		?
			12	6	4								
KAFB-ST217-01			24	22	4	0/0PPM 6'-8' 60-120CPM	SVOC	DRO	GRO		6		
							VOC				7		
							METALS	Hg pH	CYANIDE		8		
											9		?
									SDYF STFN		10		?

LITHOLOGIC DESCRIPTIONS

LAWN AT SURFACE
SAND (SP) BROWN (7.5YR 4/6) MOIST, LOW-MOD CEMT
VFG-FG ANG SAND, 5-10% SILT, 2-5% MG-CG. RARE RLR
PEBBLES TO 25mm Ø CALICHE PATCHES TO 10mm Ø

4' SILTY SAND (SM) TAN (10YR 6/4) MOIST LOW CEMT
VFG ANG. AND 20-30% SILT. 15-20% FG. 1-2% MG.
OCCAS. ANG. PIECES OF MILKY RTZ TO 5mm Ø. STAINED
W/ CALICHE
6-8' SEEMS AT 5-6'
@ ABOUT 7.5' COLOR CHANGE TO PALE BROWN (7.5YR 5/6)
NO OBVIOUS CALICHE

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2AS6

Borehole/Well No.: ST-217-01

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/PID	Analysis		Lithology Code		Depth (ft)	Recovery	Contact
		↓	12	10	6	bkg / 0 ppm					11		
KAFB-ST217-01 11		↓	24	22	6	[illegible]	SVOC	DBD	GRD	↓	12		
							VOC			SDFN			
							METALS	Hg ft	MOIST	↓	13		To.

~9' SAND (SW) BROWN (7.5YR 4/6) MOIST MED. DENSE LOW MED EST IK, VFG-FG ANG SAND. 5-10% SILT, 1-2% MG. OCCAS. ANG QTZ PEBBLES TO 5mm Ø WEATHERED BIOTITE COMMON

~12' SAND (SW) BROWN (7.5YR 5/6) MOIST MED DENSE MED EST IK, FG ANG SAND, 5% SILT, 10% VFG, 1-2% MG-CG SAND. OCCAS. ANG. QTZ PEBBLES TO 5mm Ø

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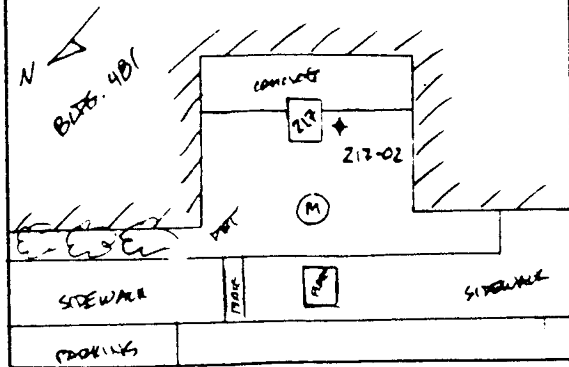
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project:	KAFB Stage 2B
Borehole/Well No:	ST-217-02
Job No:	2A56
Logged By:	J. Pavlovich
Edited By:	JP
Project Manager:	K. Walter
Drill Rig:	Geoprobe
Drilling Contractor:	BDE
Driller/Helper:	B. Wolfe / S. Camp
Drilling Method:	Geoprobe Construction Method Code = V (driven), HA = Hand Augered
Sample Method:	LARGE BORE SAMPLER
Hammer Weight/Drop:	NA
Borehole Diameter:	1.375"
Started, Time:	1315 Date: 4-15-94
Completed, Time:	1500 Date: 4-15-94

~~Water Depth~~ OVA / HNU	4.5 / 0 ppm			
~~Boring/Casing Depth~~	BZ, 6" ...			
Time	1321			
Date	4-15-94			

Notes:

BACKGROUND γ = 13 μR/HR

Total Depth: 16 FT
Casing Depth:
Screened Interval:
Sand Pack, #3: #0:
Well Development Method:
Time: Date: Flow Rate:
Geophysical Logs, Type:
By: Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/PID Reading	Analyses		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
									SM		0–1			SILTY SAND (SM) BROWN (7.5YR 4/4) DRY. LOOSE-MED DENSE VFG-FG ANG SAND 20-30% SILT, 5-10% MG-CG. OCCAS. SUBRND PEBBLES TO 7mm Ø.
											4–5			4'? SAND (SW) BROWN (7.5YR 5/8) MOIST, MED. DENSE LOW-MED. EST IK, VFG-FG. ANG SAND. 5-10% SILT 5% MG-CG. OCCAS. SUBRND PEBBLES TO 7mm Ø. MOTTLED W/ CALICHE
			12	7	G				SW/SM		5–6			
KAFB-ST217-02 0608			24	22	VG	BKGD 0 ppm BZ 0 ppm / 20 ppm	SVOC, VOC, METALS, Hg, PA	DTW, 420, MOIST	SM		6–8			6.1' SILTY SAND (SM) BROWN (7.5YR 4/6) MOIST MED. DENSE LOW EST IK, VFG-FG ANG. SAND, 20% SILT 2-5% MG-CG SAND. BLACK STAINED SPOTS TO 2mm Ø PRESENT, MINOR CALICHE BLEBS TO 3mm Ø
									SW		9–10			

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No KAFB 2B 2A56

Borehole/Well No.: ST-217-02

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/PID	Analysis		Lithology Code		Depth (ft)
			12	10	G						11
			36	22	P				—	STOR	12
			SAMPLE TUBES PARTIALLY CRUSHED, RE-RUN FROM 14-16 FT								13
[illegible] ST217-02 14/16			24	18	G	BKGND / 0 PPM; 12-30-60 ppm	SVOC; VOC; METALS, Hg, pH	DRO	VOC; MOIST.	SOFT STOP	14–16

Notes:

9'? SAND (SP) BROWN (7.5YR 4/6) MOIST, MED. DENSE LOW EST IK, VFG ANG. SAND, 5-10% SILT, 5-10% FG, 1-2% MG CG. WEATHERED BIOTITE COMMON

11.5 GRAVELLY SAND (GW) BROWN (7.5YR 5/3) MOIST V. DENSE MOD EST IK, MG-CG ANG. SAND. 5-10% SILT, 10-15% VFG. 20% ANG. PEBBLES TO 16 mm Φ

14.25 SAND (SP) BROWN (7.5YR 5/8) MOIST, DENSE MOD EST IK, VFG-FG ANG. SAND. 5-10% SILT, 1-2% MG. RARE ANG PEBBLES TO 3 mm Φ

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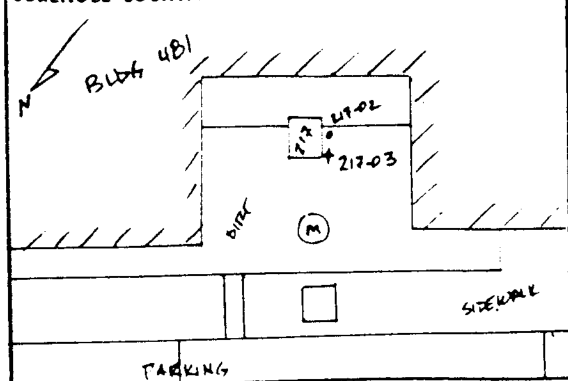
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Notes:

BACKGROUND γ = 9 μR/HR

Project	KAFB Stage 2B
Borehole/Well No:	ST-217-03
Job No:	2A56
Logged By:	J. Pavletich
Edited By:	JP
Project Manager:	K. Walter
Drill Rig:	Geoprobe
Drilling Contractor:	BARE
Driller/Helper:	B. Wolfe / M. CHRISTMAN
Drilling Method:	Geoprobe Construction Method Code - D (driven), HA = Hand Augered
Sample Method:	LARGE BORE SAMPLER
Hammer Weight/Drop:	NA
Borehole Diameter:	1.375'
Started, Time:	1500
Date:	4-15-94
Completed, Time:	1615
Date:	4-15-94

~~Water Depth~~ OVA/HNU	6.5ppm/0ppm				
~~Boring/Casing~~ 13.5 Depth	20-40cpm				
Time	1520				
Date	4-15-94				

Total Depth:	13 FT
Casing Depth:	
Screened Interval:	
Sand Pack, #3:	#0:
Well Development Method:	
Time:	Date: Flow Rate:
Geophysical Logs, Type:	
By:	Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/PID Reading	Analyses		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact
									SDFN		0–4		
									SDSM		4–7		?
		↓	12	8	G	1ppm					5–6		
KAFB-ST217-03 08/10			48	20	G						6–7		
									SDSM		7–10		
						Bkg 1ppm/0ppm βγ 20-40 cpm	SVOC VOC [illegible]	PRD Hg pH	GRO [illegible]		8–10		

LITHOLOGIC DESCRIPTIONS

SAND (SW) BROWN (7.5YR 5/4) DRY, LOOSE MED EST 1K. FG ANG SAND 0% SILT 10% VFG, 10% MG. 1-2% CG SAND

4'? SILTY SAND (SM) BROWN (7.5YR 5/6) MOIST, MED DENSE LOW EST 1K, VFG ANG SAND, 20-25% SILT, 15-20% FG OCCAS. SUBANG PEBBLES TO 4mm ϕ. CALICHE BLEBS TO 10mm ϕ + MOTTLED AREAS FROM 5.25' - 5.75'

7' SILTY SAND (SM) BROWN (7.5YR 4/6) MOIST MED DENSE LOW EST 1K, VFG ANG. SAND. 30-35% SILT, 1-5% FG-MG ABUNDANT WEATHERED MICA CALICHE NODULES TO 20mm AT 8.5' TO 9 FT.

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2AS6

Borehole/Well No.: ST-217-03

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/PID	Analysis		Lithology Code		Depth (ft)	Recovery	Contact
											11		
KAFB-ST217-03 11/13		↓	24	21	G	BKGND/Open. R-2 = 40 ppm.	SVOC	8260	GOOD	↓	12		
							VOC						
							METALS	Hg pH	MOIST		13		
										STOP			
											14		
											15		
											6		
											7		
											8		
											9		
											0		
											1		
											2		
											3		
											4		
											5		
											6		
											7		
											8		
											9		
											0		

Notes:

11-13'; SAME AS AT 6-10; SILTY SAND (SM)

13', SILTY SAND (SM) BROWN (7.5YR 4/6) MOIST MOD EFF IK FG-MG ANG. SAND, 15-20% SILT, 15-20% VFG, 5-10% CG STAS SUB ANG.-SUB RD PEBBLES TO 15mm ϕ

PROFESSIONAL GEOLOGIST
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PG-1990
WYOMING

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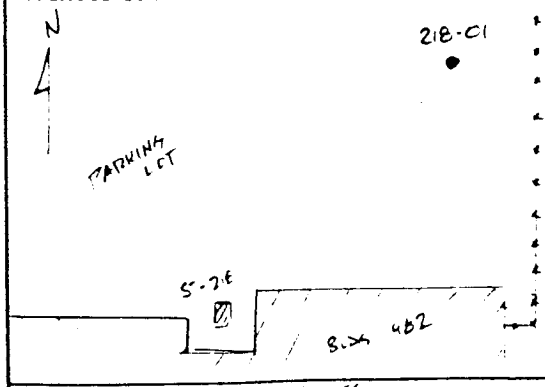
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: ST-218-01
	Job No: 2A56
Logged By: J. Pavletich	Edited By: JP
Project Manager: K. Walker	Drill Rig: Geoprobe
Drilling Contractor: BRE	
Driller/Helper: B. Wolfe / M. CHRISMAN	
Drilling Method: Geoprobe Construction Method Code = S (driven), HA = Hand Augered	
Sample Method: LARGE BORE SAMPLER	
Hammer Weight/Drop: NA	Borehole Diameter: 1.375"
Started, Time: 0900	Date: 04-05-94
Completed, Time: 1013	Date: 04-05-94

Notes: SAMPLING DEPTHS 6-7, 11.5'

OVA NOT OPERATIONAL FOR THIS BORING
B-G BACKGROUND = 60-120 CPM

Water Depth HNU	0					
Boring/Casing Depth OVA	—					
Time	0910					
Date	04-05-94					

Total Depth: 4 FT | Casing Depth:

Screened Interval:

Sand Pack, #3: #0:

Well Development Method:

Time: Date: Flow Rate:

Geophysical Logs, Type:

By: Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/PID Reading	Analyses		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
			9	9	G				SDVF SDAY					ASPHALT AT SURFACE
											1			SAND (SP) BROWN (7.5YR 5/8) MOIST, MED. DENSE, LOW-NO
														EST IK, VFG-FG ANG. SAND, 10% SILT, 5-10% MG-CG, OCCAS.
											2			S-RDD PEBBLES TO 5mm
											3			
											4			
									SDVF					
			18	15	G						5			SANDY SILT (ML) Yellow Brown (7.5 YR 6/6) MOIST, MED. STIFF,
											6			LOW EST IK, 15% VFG, 1-2% FG-MG, RARE SUBANG. PEBBLES
														TO 7mm Ø MOTTLES WITH CALICHE IN UPPER 6"
KAFB-ST218-01-0709			24	22	G	0/- 40-100 CPM	SVOC VOC MERC.	DRO GRO Hg PH	SDVF MOIST		7			
											8			
											9			SAND (SP) Yellow Brown (7.5YR 5/8) MOIST, MED DENSE, LOW EST
			2-	2-	G									IK, VFG ANG. SAND, <5% SILT, <1% FG-MG, COAL. ANG. PEBBLES
											10			TO 10MM, COAL, BLACK FRAGMENTS @ 3mm, POSSIBLE ARGILLITE

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56 | Borehole/Well No.: SI-218-01

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recv'd	Sample Cond.	HNu/PID	Analysis		Lithology Code	Depth (ft)	Recovery	Context
KAB-218-01-12/14			24	21	G	0' 0.0 ppm 0.5'-1.0' 0.0 ppm	SVOC VOC METALS	SOIL GRO Hg PH	SP/SM SP/SM MOIST	11 12 13 14 15 6 7 8 9 20 1 2 3 4 5 6 7 8 9 0		

10-11' CALICHE PEBS & STRINGERS PRESENT VFG-FG ANG SANDS 5-10% SILT, DRK ANG. PEBBLES TO 3 cm Ø

SAND (SP) BROWN (7.5 YR 4/6) MOIST, MED. DENSE, LOW EST IE, VFG-FG ANG SAND, 10% SILT 5-10% MG-CG. AT 13.5' SUB ANG PEBBLES TO 5 cm Ø COMMON.

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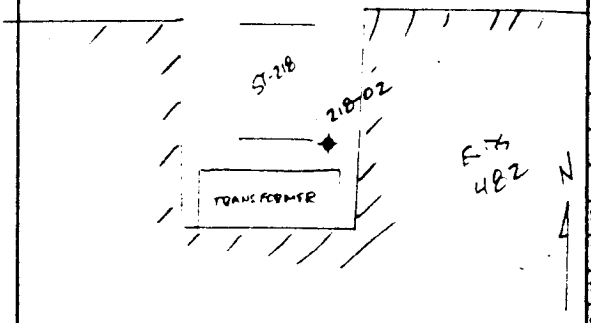
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: ST-21B-02
	Job No: 2A56
Logged By: J. Pavletich	Edited By: JP
Project Manager: K. Walter	Drill Rig: Geoprobe
Drilling Contractor: B & RE	
Driller/Helper: B. Wolfe / M. CHRISTIAN	
Drilling Method: Geoprobe Construction Method Code = (V (driven), HA = Hand Augered	
Sample Method: LARGE - ROBE SAMPLER	
Hammer Weight/Drop: NA	Borehole Diameter: 1.375"
Started, Time: 1015	Date: 04-05-94
Completed, Time: 1110	Date: 04-05-94

Notes: OVA NOT OPERATIONAL AT THIS BORING

BACKGROUND B-T = 66-120 cpm

Water Depth HNU	0										
Boring/Casing Depth											
Time	1115										
Date	4-5-94										

Total Depth: 14 FT — Casing Depth:

Screened Interval:

Sand Pack, #3: #0:

Well Development Method:

Time: Date: Flow Rate:

Geophysical Logs, Type:

By: Date:

Sample ID	Sampler Type / depth	Blows / 6 inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/PID Reading	Analyses		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
			12	6	G				SM					ASPHALT AT SURFACE
											1			SILTY SAND (SM) BROWN (7.5YR 4/6) MOIST MED. DENSE
														LOW EST IK. VFG-FG ANG. SAND, 20% SILT, 5-10% MG-CG SAND,
											2			OCCAS. SUBANG. PEBBLES TO 5mm ϕ
											3			
											4			
									SM					SANDY SILT (ML) YELLOW BROWN (7.5YR 6/6) MOIST MED STIFF
			18	10	M						5			LOW EST IK. 15-20% VFG-FG OCCAS. ANG. PEBBLES TO 7mm ϕ
														MOTTLED WITH CALICHE, HEAVY CALICHE AT 6', 1" THICK
											6			
											7			
KAFB-ST21B-02-0711 KAFB-ST21B-94-0711			24	24	G	1 ppm BZ=0 100ppm	SVOC METALS	DRO Hg PH	SM MOIST	R	8			LARGE CALICHE PIECE AT 9', 15mm ϕ
											9			SILTY SAND (SM) BROWN (7.5YR 4/6) MOIST, MED. DENSE
			24	24	G		METALS	Hg PH	MOIST	R				LOW EST IK. VFG-FG ANG. SAND, 20-25% SILT, 5% MG-CG SAND
											10			OCCAS. SUBANG. PEBBLES TO 10 mm ϕ

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56 | Borehole/Well No.: SS-218-02

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/PID	Analysis	Lithology Code		Depth (ft)	Recovery	Contact	
							VOC	GRO					SILTY SAND (SM) BROWN (7.5YR 5/6) MOIST MOD. DENSE LOW PLAST IC
							VOC	GRO	R				VFG-FG ANG. SAND 15-20% SILT 2-3% MG. COBBLES SUBRND PEBBLES
										11			TD: 7mm
SS-218-02 12/14			24	24	G	0/1 1.8-60.0			SDFN SDFN	12			
										13			SAND (SP) BROWN (7.5YR 5/5) MOIST, MED. DENSE, LOW PLAST IC
										14		TD	VFG-FG ANG. SAND. 5% SILT 1-2% MG. WEATHERED BIOTITE COMMON
										5			
										6			
										7			
										8			
										9			
										0			
										1			
										2			
										3			
										4			
										5			
										6			
										7			
										8			
										9			
										0			

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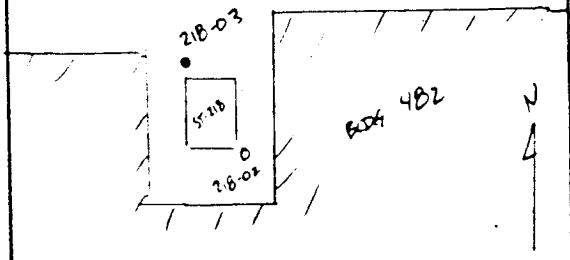
Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: ST-218-03
	Job No: 2A56
Logged By: J. Pavletich	Edited By: JP
Project Manager: K. Walker	Drill Rig: Geoprobe
Drilling Contractor: B & B	
Driller/Helper: B. Wolfe / M. CHRISTIAN	
Drilling Method: Geoprobe Construction Method Code = (N)(driven), HA = Hand Augered	
Sample Method: LARGE-BORE SAMPLERS	
Hammer Weight/Drop: NA	Borehole Diameter: 1.375"
Started, Time: 1115	Date: 04-05-94
Completed, Time: 1220	Date: 04-05-94

Notes: OVA NOT OPERATIONAL FOR THIS BORING

BACKGROUNDS 15-8+ 60-100 cpm

Water Depth HUO	0					
~~Boring/Casing~~ Depth	-					
Time	1115					
Date	04-05-94					

Total Depth: 14.5' Casing Depth:

Screened Interval:

Sand Pack, #3: #0:

Well Development Method:

Time: Date: Flow Rate:

Geophysical Logs, Type:

By: Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/PID Reading	Analyses		Lithology Code	Depth in Feet	Recovery / Sample Loc.	Contact
			12	12	G				SM/L			
										1		
										2		
										3		
										4		
									SM			
			18	17	G					5		
										6		
										7		
KAFB-ST218-03 0425			24	24	VG	0/ 82-60-100 cpm	SWL MOIST	DRY VBL MOIST	SM/L	8		
										9		
										10		

LITHOLOGIC DESCRIPTIONS

ASPHALT 0.0-0.2'

SILTY SAND (SM) BROWN (7.5YR 4/6) MOIST MED. DENSE LOW EST IR, VFG-FG ANG. SANDS 25-30% SILT 5% MG-CG SAND DCAC, ANG. PEBBLES TO 10mm ϕ MOTTLED W/ CALICHE

SILTY SAND (SM) BROWN (7.5YR 5/6) MOIST, MED DENSE LOW EST IR. VFG-FG ANG. SANDS. 20-30% SILT 1-2% MG. HEAVY CALICHE MOTTLING AT 6.25' MOTTLED W/ CALICHE INTRUSIONS

SILTY SAND (SM) BROWN (7.5YR 4/6) MOIST MED DENSE LOW EST IR, VFG-FG ANG. SAND. 20-25% SILT, 1% MG. CALICHE BLEBS TO 5mm ϕ, WEATHERED BIOTITE COMMON

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2AS6

Borehole/Well No.: SS-2B-03

Sample ID	Sampler Type	Blows / 6 inch	Inches Driven	Inches Recv'd	Sample Cond.	HNu/PID	Analysis		Lithology Code		Depth (ft)	Recovery	Contact
KAFB-SS2B-03 12'14			24	19	G	0	SVOC VOC METALS	DRO GRO Hg PH	WAST	GW	1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0		

Notes:

SILTY SAND (SM) BROWN (7.5YR 4/4) MOIST. MED DENSE, LOWEST IR

VFG-FG ANG SANDS. 20-25% SILT. 2% MK. WEATHERED BIOTITE

COMMON

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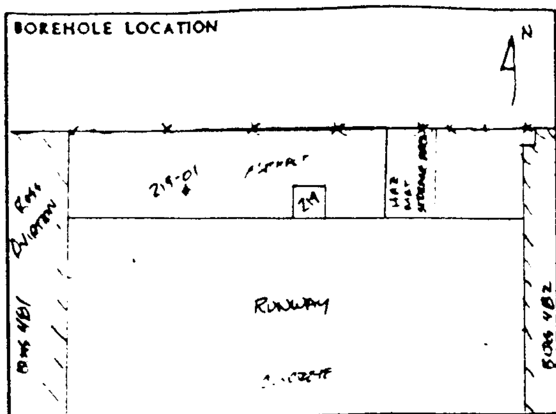
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project	KAFB Stage 2B
Borehole/Well No:	ST-219-01
Job No:	2A56
Logged By:	J. Pavlisuch
Edited By:	JP
Project Manager:	K. Walker
Drill Rig:	Geoprobe
Drilling Contractor:	EARE
Driller/Helper:	B. Wolfe / M. CHRISTIAN
Drilling Method:	Geoprobe Construction Method Code = V (driven), HA = Hand Augered
Sample Method:	LARGE BORE SAMPLER
Hammer Weight/Drop:	NA
Borehole Diameter:	1.375"
Started, Time:	0930 — Date: 4-19-94
Completed, Time:	1100 — Date: 4-19-94

Notes: PID NOT OPERATIONAL FOR THIS BORE HOLE

BACKGROUND OVA = 7.5 ppm
β-γ = 30-80 cpm
γ = 12 μR/HR

~~Water Depth~~ OVA	7.5 ppm
β-γ ~~Boring/Casing Depth~~	30-80 cpm
Time	0950
Date	4-19-94

Total Depth:	16 FT
Casing Depth:	
Screened Interval:	
Sand Pack, #3:	#0:
Well Development Method:	
Time:	Date: Flow Rate:
Geophysical Logs, Type:	
By:	Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/PID Reading	Analyses	Lithology Code	Depth in Feet	LITHOLOGIC DESCRIPTIONS
								50%	0–1	UPPER 8" ASPHALT SILTY SAND (SM) BROWN (7.5YR 4/6) MOIST, MED. DENSE - DENSE, LOW EST IK. VFG-FG ANG. SAND 1-2% MG-CG. 15-20%.
									1–4	
								50%	4–6	4'? SILTY SAND (SM) BROWN (7.5YR 5/6) MOTTLES W/ CALICHE. DRY, MED DENSE, LOW EST IK, VFG-FG ANG. SAND 15-25% SILT, 2-5% MG-CG SAND. OCCAS. ANG PEBBLES TO 5mm ϕ
			18	12	G				5–7	
KAFB-ST219-01 07-09			24	22	G	1-2.5 ppm; β-γ 60-100 cpm	SVOC TPH GRO; VOC; METALS Hg pH MOIST	50%	7–10	6.5? SILTY SAND (SM) BROWN (10YR 4/6) MOIST, LOW EST IK, VFG ANG. SAND 25-30% SILT, 20% FG, 1-2% MG-CG. SMALL BLACK STAINED PATCHES TO 2mm.

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56 | Borehole/Well No.: SS-219-01

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	PID/FID	Analysis		Laboratory Code		Depth (ft)	Recovery	Contact
KAFB-SS219-01-12/6 KAFB-SS219-01-12/6 MS/MSD			12	8	G				SOIL SOIL		11		
			24	21	G	3.1 ppm	SVOC SVOC, DRO, GRO MS/MSD METALS, % pH MOIST.				12 13 14		
			22	22	G	65.7 ppm @ 2.6 bottom	METALS VOC VOC - MS/MSD	% pH MOIST	SOIL MS/MSD		15 16		

10' SAND (SP) BROWN (7.5YR 4/6) MOIST, MED DENSE DENSE LOW-MED PLAST IR, VFG-FG ANG SAND. 5-10% SILT, 5-10% MG-CG WEATHERED BASALT COMMON S. BLACK PEBBLES TO 15mm Ø COMMON AT 10.75'

12-14 SAME AS AT 11' EXCEPT SMALL (1-2mm Ø) BLACK SPOTS

14' SILTY SAND (SM) BROWN (7.5YR 5/6) MOIST, MED DENSE LOW-MED PLAST IR. VFG ANG. SAND 15% SILT. 1-2% FG-ANG AROUND WEATHERED BASALT

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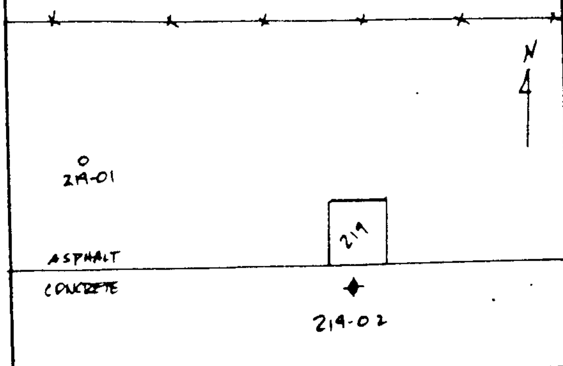
Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG

Project: KAFB Stage 2B	Borehole/Well No: ST-219-02
	Job No: 2A56
Logged By: J. Pavletich	Edited By: JP
Project Manager: K. Walker	Drill Rig: Geoprobe
Drilling Contractor: BRE	
Driller/Helper: B. Wolfe / M. CHAVDAU	
Drilling Method: Geoprobe Construction Method Code = (V) (driven), HA = Hand Augered	
Sample Method: LARGE-BORE SAMPLER	
Hammer Weight/Drop: NA	Borehole Diameter: 1.375'
Started, Time: 1100	Date: 4-19-94
Completed, Time: 315	Date: 4-19-94

BOREHOLE LOCATION



Notes: OD NOT OPERATIONAL FOR THIS BORE HOLE

~~Water Depth~~	4 ppm				
~~Boring/Casing Depth~~ PID	20-60 ppm				
Time	1100				
Date	4-19-94				

Total Depth: 24 FT | Casing Depth:

Screened Interval:

Sand Pack, #3: #0:

Well Development Method:

Time: Date: Flow Rate:

Geophysical Logs, Type:

By: Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses			Lithology Code	Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
											0–1			UPPER 14" CONCRETE
										SDSW	1–2			SILTY SAND (SM) BROWN (7.5YR 5/6) MOIST, DEN. LOW EST IK, FN ANG. SAND, 15-20% SILT, LE 20% VFN, 5-10% MG-CG.
										↓	2–3			
										↓	3–4			
										SDSW	4–5		?	4'? SILTY SAND (SM) BROWN (7.5YR 5/4) MOIST, MED. DENSE, LOW EST IK, VFG-FN ANG. SAND 20-25% SILT. 1-5% MG-CG. IRON STAINED PATCHES TO 20mm ϕ, MOTTLED W/ CALICHE. NOTICEABLE HYDROCARBON ODOR
		↓	18	12		275 ppm				↓	5–7			
KAFB-ST219-02-07H / KAFB-ST(?)-99-07H		↓	24	22	4	125 ppm / P.D. 20 ppm	SWC / SWC / METALS	DRO / DRO / HgFA	GRO / GRO-E / ANST	SDSW	7–9			7.5' SILTY SAND (SM) GRAY-BROWN (7.5YR 5/3) MOIST, MED. DENSE, LOW EST IK, VFG-FN. ANG SAND 20% SILT, 1-2% MG-CG CALICHE NODULES TO 10mm ϕ - OBVIOUS HYDROCARBON STAINING (GRAY) AT 9' SUB ANG PEBBLES TO 15mm ϕ COMMON
		↓	24	22	4	115 ppm / P.D. 20 ppm	VOC				9–10			

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No. KAFB 2B 2A56 | Borehole/Well No.: ST-219-02

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Cond.	HNu/OVA (ppm)	Analysis		Laboratory Code		Depth (ft)	Recovery	Contact	Description
							VOC	R						
							MOIST	Hy PH	MOIST		11			11.5' GRAVELLY SAND (SW) BROWN (7.5YR 4/4) MOIST, DENSE, MOD. EST IC. MG-CG ANG SAND, 10% SILT 15-20% VFG. 20% FG. ANG. PEBBLES TO 10mm ϕ WEATHERED BIOTITE COMMON
										SWR	12			
KAFB ST219-02 12/4			24	21	4	5 ppm	VOC				13			13.0' SILTY SAND (SM) BROWN (7.5YR 4/6) MOIST, MED. DENSE, LOW EST IC, VFG ANG. SAND. 15% SILT, 5-10% FG. W/ WEATHERED BIOTITE COMMON.
						4.2 ppm	SHOL	DRY	GRD					
							MEDIC	Hy PH	MOIST		14			
										SDH				
											15			15' SAND (SP) BROWN (7.5YR 4/6) MOIST MED. DENSE, LOW IC MOD. EST IC. VFG ANG SAND. 5-10% SILT, 10-15% VFG. WEATHERED BIOTITE COMMON
			12	8	6	5ppm				SDIF				
											16			
											17			
											18			
											19			
											20			
			24	9	6	5ppm				SDH				20' GRAVELLY SAND (SW) BROWN (7.5YR 4/6) MOIST DENSE, MED. EST IC, MG-CG ANG SAND. 5-10% SILT 10-15% FPG-FG. 20% SUB ANG. PEBBLES TO 15mm ϕ WEATHERED BIOTITE COMMON
											21			
											22			22' SILTY SAND (SM) BROWN (7.5YR 4/4) MOIST, MED. DENSE, LOW EST IC, VFG ANG SAND 20-25% SILT, 5-10% FG. ANG. WEATHERED BIOTITE COMMON
KAFB ST219-02 22/4			24	21	4	50 ppm	SHOL	DRY	HRD	SDH	23			
							MEDIC	Hy PH	MOIST					
							HOL				24			
											25			
											6			
											7			
											8			
											9			
											0			

PROFESSIONAL GEOLOGIST
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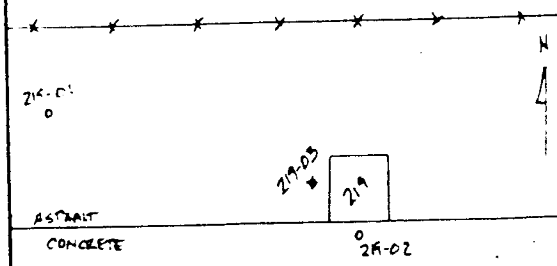
Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG

Project:	KAFB Stage 2B
Borehole/Well No:	ST-219-03
Job No:	2A56
Logged By:	J. Pavletich
Edited By:	JP
Project Manager:	K. Walter
Drill Rig:	Geoprobe
Drilling Contractor:	
Driller/Helper:	B. Wolfe / M. CHRISTIAN
Drilling Method:	Geoprobe Construction Method Code = V (driven), HA = Hand Augered
Sample Method:	LARGE BORE SAMPLER
Hammer Weight/Drop:	NA
Borehole Diameter:	1.375'
Started, Time:	1330 Date: 4-19-94
Completed, Time:	1530 Date: 4-19-94

BOREHOLE LOCATION



Notes: PID NOT OPERATIONAL FOR THIS BORE HOLE

Water Depth OVA	BACKGROUND 4.5 ppm					
Boring/Casing Depth OVA	40-100 ppm					
Time	1330					
Date	4-19-94					

Total Depth:	24 FT.
Casing Depth:	
Screened Interval:	
Sand Pack, #3:	#0:
Well Development Method:	
Time:	Date: Flow Rate:
Geophysical Logs, Type:	
By:	Date:

Depth in Feet	Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses			Lithology Code	Lithologic Descriptions
0-4											SDSL	ASPHALT 6" THICK, COBBLES TO 2" ϕ SILTY SAND (SM) BROWN (7.5YR 4/6) MOIST-DAMP, MED DENSE-DENSE, LOW EST IK, FG-MG ANG. SAND. 20% SILT, 20% VFG, 10% CG-VCG, 10% SUBROUND-ROUND PEBBLES TO 20mm ϕ (GRAVEL FILL)
4-8				18	16	G	1000 ppm B.G. = 40-60 ppm				SDSL	?-? SILTY SAND (SM) BROWN (7.5YR 5/4) MOIST, MED. DENSE LOW EST IK, VFG-FG ANG. SAND, 20-25% SILT, 5-10% MG-CG MOTTLES OF CALICHE, OBVIOUS HYDROCARBON CONTAMINATION BELOW 6-6.5'
7-9	KAFB ST2M-03 0809			24	22	G	50-450 ppm B.G. 40-60 ppm	METALS VOC SVOC	Hg pH DRO	MOIST GRO	SDSL	SILTY SAND (SM) BROWN (7.5YR 4/4) MOIST, MED. DENSE, LOW EST IK, VFG-FG ANG. SAND. 25-30% SILT 1-7% MG. ROCKS. CALICHE SOLARES. PATCHES TO 10mm ϕ.
9-10				12	8	G	1000 ppm					

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2AS6

Borehole/Well No.: ST-219-03

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/PID	Analysis		Lithology Code	(5DA)	Depth (ft)	Recovery	Contact	Notes
		↓									10–11			4.5-10.5' SAME AS AT 8-9'
											12			
		↓	48	18	6						13			
KAFB-ST-219-03 12-16						BD 3.5ppm; B.Z. 40-120cpm				↓	14			14' SILTY SAND (SM) BROWN (7.5YR 4/3) MOIST. MED. DENSE LOW EST IK, VFG-FG ANG. SAND, 20-25% SILT, 1-2% MG-CG. EST 1" THICK LAYER OF V. DENSE ANG. PEBBLES. 10-15mm ϕ AT 15.75'
							VOC			5DA	15			
							SVOC	TRO, GRO						
		↓					METALS	Hg, pH, MOIST			16			
											17–18			
										↓	19			
										5DA	20			19' SILTY SAND (SM) BROWN (7.5YR 4/4) MOIST, MED. DENSE, MOD EST IK, VFG ANG. SAND, 15% SILT, 1-2% FG-MG. OCCAS. ANG. PEBBLES TO. 10mm ϕ
		↓	18	12		3.5ppm; B.Z. 40-80cpm					21			
										↓	22			
KAFB-ST219-03 22-24		↓	24	22	6	150-280ppm; B.Z. 40-80cpm				SDNF / SDFN	23			22' SAND (SP) BROWN (7.5YR 4/6) MOIST, MED. DENSE, MOD EST IK, VFG-FG ANG. SAND, 5-10% SILT, 1-2% MG-CG. OCCAS. ANG. PEBBLES TO. 7mm @ 24'
										↓	24			COARSER INTERVALS (GRAVEL LAYERS) NEAR 24'
											25–30			

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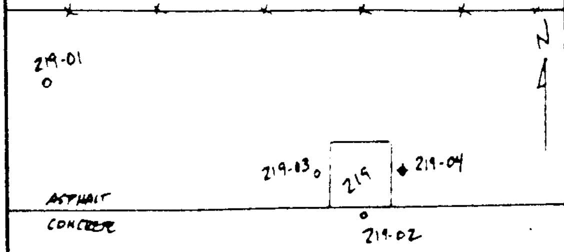
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION	Project: KAFB Stage 2B
	Borehole/Well No: ST-219-04
	Job No: 2A56
	Logged By: J. Pavletich
	Edited By: JP
	Project Manager: K. Walter
	Drill Rig: Geoprobe
	Drilling Contractor: BRE
	Driller/Helper: B. Wolfe / M CHRISTIAN
	Drilling Method: Geoprobe Construction Method Code √V (driven), HA = Hand Augered
	Sample Method: LARGE BORE SAMPLER
	Hammer Weight/Drop: NA
	Borehole Diameter: 1.375"
	Started, Time: 0900 Date: 4-20-94
	Completed, Time: 1100 Date: 4-20-94



Notes: PID NOT OPERATIONAL FOR THIS BORE HOLE

BACKGROUND γ= 9 μR/HR

HNu/FID	9.5				
β-γ (cpm)	20-60 cpm				
Time	0920				
Date	4-20-94				

Total Depth: 24 FT
Casing Depth:
Screened Interval:
Sand Pack, #3: #0:
Well Development Method:
Time: Date: Flow Rate:
Geophysical Logs, Type:
By: Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
									SDSL		0–1			ASPHALT 6' SILTY SAND (SM) LT BROWN (7.5YR 6/4) DAMP, MED DENSE
											1–2			LOW EST IK, FG-MG ANG SAND, 20-30% SILT, 10-20% VFG, 5-10% SUBRND PEBBLES TO 15mm ϕ
											2–3			
											3–4			
									SDSL		4–5		?	4'? SILTY SAND (SM) BROWN (7.5YR 5/4) DAMP, MED DENSE
			12	9	6	300 ppm					5–6			LOW EST IK VFG-FG ANG. SAND. 20-30% SILT, 1-2% MG-CG SAND. MOTTLED W/ CALICHE, MOTTLED W/ BLACK PATCHES (ORGANICS)
											6–7			OBVIOUS HYDROCARBON/SPLUSLE ODORS
KAFB-ST219-04 0709			24	19	6	500-1000 ppm	VOC		SDSL		7–8			7' SILTY SAND (SM) BROWN (7.5YR 4/6) MOIST MED DENSE
						RT 80-120 ppm	SVOC	8020	8080		8–9			LOW EST IK VFG ANG SAND. 15-20% SILT, 1% MG-CG
							METALS	Hg pH	MOIST					DECPS ANG. PEBBLES TO 3mm ϕ CALICHE BLEBS TO 2mm ϕ
									SDSL		9–10		?	COMMON

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56 | Borehole/Well No.: ST-219-04

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recv'd	Sample Cond.	HNu/PID	Analysis		Lithology Code	(Soil Vi)	Depth (ft)	Recovery	Contact
			18	18	G	1-4ppm					11		?
KAFB-ST-219-04 12/14			24	19	G	150–200ppm 0.8–1.0	VOC				12		
						100 cpm	SVOC	BDW	SAND	SVLP	13		
							METALS	Hg pH	MOIST		14		
			12	8	G	400ppm 2.8–6.0				SVLP	15		
						100cpm				SVLP	16		
										SVLP	17		
										SVLP	18		
										SVLP	19		?
						1500ppm 2.8–4.0				SVLP	20		?
			12	8	G	100cpm				SVLP	21		
KAFB-ST-219-04 22/24			24	21	G	150–300ppm 1.5–4.0	SVOC	BDW	SAND	SVLP	22		
						100cpm	VOC				23		
							METALS	Hg pH	MOIST		24		
											5		
											6		
											7		
											8		
											9		
											0		

5' SAND (SW) BROWN (7.5YR 4/4) MOIST, MED. DENSE LOW-MOD EST IK, FG ANG SAND, 20% VFG, 10% MG, 1-2% SLT. COOKS CALCITE STAINED PATCHES TO 10cm.

13' SANDY GRAVEL (GW) BROWN (7.5YR 5/4) DRY, V. DENSE MOD. EST IK, ANG PEBBLES TO 7mm, 5-10% SLT 10-15% VFG FG, 10-15% MG-CG. ABUND. WEATHERED BIOTITE

14' SILTY SAND (SM) BROWN (7.5YR 4/6) MOIST MED DENSE LOW EST IK, VFG-FG ANG SAND. 20% SLT, 1-5% MG. DISSEM. WEATHERED BIOTITE.

SAND (SP) BROWN (7.5YR 4/6) MOIST, MED. DENSE MOD EST IK, VFG-FG ANG SAND, 5% SLT 1-7% MG. WEATHERED BIOTITE COMMON. RARE ANG. PEBBLES TO 5mm ϕ

19' SAND (SW) BROWN (7.5YR 4/4) MOIST, MED. DENSE MOD EST. IK, FG-MG ANG SAND 5% SLT. 5-10% VFG. 10 20% CG. 10-15% ANG. PEBBLES TO 10mm ϕ

22' GRAVELLY SAND (GW) BROWN (7.5 4/6) MOIST. DENSE, MOD EST IK, MG-CG SUBANG. SAND, 5% SAT, 10% VFG, 20% FG. 10% VCG 15-20% ANG PEBBLES TO 7mm ϕ

24' SILTY SAND (SM) BROWN (7.5YR 4/4) MOIST, MED DENSE LOW EST IK, VFG. SAND, 20-30% SILT, 1-2% FG W/ WEATHERED BIOTITE COMMON

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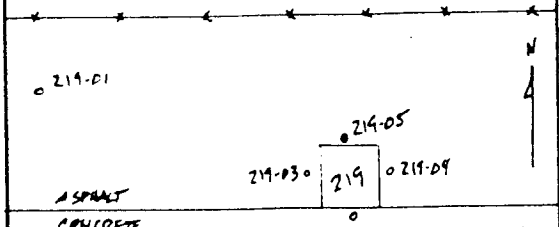
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: SB-219-05
	Job No: 2A56
Logged By: J. Pavletich	Edited By: JP
Project Manager: K. Walter	Drill Rig: Geoprobe
Drilling Contractor: B & B E	
Driller/Helper: B. Wolfe / M. CHRISTMAN	
Drilling Method: Geoprobe Construction Method Code = V (driven), HA = Hand Augered	
Sample Method: LARGE-BORE SAMPLER	
Hammer Weight/Drop: N.A	Borehole Diameter: 1.375"
Started, Time: 1115	Date: 4-20-94
Completed, Time: 1245	Date: 4-20-94

Notes: PID NOT OPERATIONAL FOR THIS BORE HOLE

BACKGROUND γ = 11 MR/HR

HNu/FID	5ppm					
β-γ (cpm)	40-BCKGRD					
Time	1115					
Date	4-20-94					

Total Depth: 75 FT | Casing Depth:

Screened Interval:

Sand Pack, #3: #0:

Well Development Method:

Time: Date: Flow Rate:

Geophysical Logs, Type:

By: Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
														ASPHALT 4" THICK
									SISL		1			SILTY SAND (SM) BROWN (7.5YR 6/4) DAMP, MED DENSE
														LOW EST IL, FINE TO MED SAND, 20-30% SILT, 10-20% VFG.
											2			1-2% SUBANG. PEBBLES TO 3mm ϕ
											3			
											4		?	
									SDNF-SDEN				?	
													?	4' SAND (SP) BROWN (7.5YR 5/4) DAMP, MED. DENSE, LOW-
			12	11	6	600 ppm					5			MED. EST IL, VFG-FG ANG. SAND. 5-10% SILT, 1-2% MG,
											6			RARE ANG PEBBLES TO 7mm ϕ OCCAS. BLACK (ORGANIC?)
														STAINED PATCHES TO 5mm ϕ, STRONG HYDROCARBON ODOR
													/	9' SILTY SAND (SM) BROWN (7.5YR 5/6) MED. DENSE,
			24	22	6	600-1000 ppm	SVOC	DRO	SAND		7			LOW EST IL. VFG-FG ANG. SAND, 20% SILT 1-3% MG-CG.
LABS: SB-219-05-0911 SB219.95-024						8'-10' 40-BCKGRD	SVOC	DRO, GRO	GRVR		8			
							METALS	MPA	MDSS					@ 9' 20-30% SILT
			24	22	6	600-1000ppm			VBC-Z		9			
						8'-10' 40-BCKGRD					10			9-10 SAME AS @ 7-9'

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2AS6

Borehole/Well No.: ST-219-05

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/PID	Analysis		Lithology Code		Depth (ft)	Description
							VOC - R		SDVF	SDFN	10	10' SAND (SP) BROWN (7.5YR 4/6) MOIST, MED. DENSE, LOW MOD EST IK, VFG-FG ANG. SAND. 5-10% SILT, 1-2% MG.
							METALS	Hg pH	MOIST - R		11	
			36	21	G						12–13	13.75'-14.25: SANDY GRAVEL (GW) BROWN (7.5YR 4/6) MOIST, DENSE, MOD EST IK, 5% SILT, 10-15% VFG-FG, 10-15% MG-VCG. SUBANG.-SUBRND PEBBLES TO 10mm ϕ
KAFB-ST-219-05 12-15						BG 320 ppm, P.P. 40-80 ppm	SVOC	DRO	GRO	GW/SP	14	14.25' SAND (SP) BROWN (7.5YR 4/6) MOIST, MED DENSE LOW EST IK. VFG-FG ANG. SAND 5-10% SILT, 1-2% MG.
							VOC					
							METALS	Hg pH	MOIST		15	
										SW/SM	19	19'? SILTY SAND (SM) BROWN (7.5 YR 5/6) MOIST, MED. DENSE, LOW EST IK, VFG-FG ANG. SAND, 15-20% SILT, 1-2% MG. OCCAS. ANG. PEBBLES TO 7mm ϕ
			12	11	G	15 ppm					20–21	
KAFB-ST-219-05 22-25			36	22	G	BG 2.5 ppm, PP 40 ppm	SVOC	DRO, GRO		GW/SP	23–24	SANDY GRAVEL (GW) BROWN (7.5YR 4/6) DRY, DENSE, MOD EST IK, <5% SILT, 10% VFG-FG, 10% MG-CG, SUBRND PEBBLES TO 15mm ϕ
							VOC					
							METALS	Hg pH	MOIST		25	

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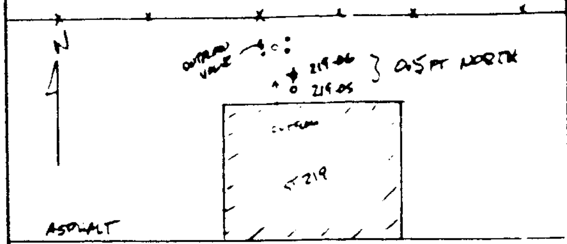
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



CONCRETE

Project:	KAFB Stage 2B
Borehole/Well No:	ST 219-06
Job No:	2AS6
Logged By:	J. Pavletich
Edited By:	JP
Project Manager:	K. Walter
Drill Rig:	Geoprobe
Drilling Contractor:	BRE
Driller/Helper:	B. Wolfe
Drilling Method:	Geoprobe; Construction Method Code = V (driven), HA = Hand Augered
Sample Method:	LARGE-BORE SAMPLER
Hammer Weight/Drop:	NA
Borehole Diameter:	1.375'
Started, Time:	0845; Date: 6-16-94
Completed, Time:	1700; Date: 6-17-94

Notes: THIS BORING APPROX 0.5 FT NORTH OF BORING ST 219-05 (THE MOST CONTAMINATED BORING AT THIS SITE)

6/17/94 BACKGROUND γ = 9 μR/HR
6/16/94 BACKGROUND γ = 9 μR/HR
2'12'

HNu/FID	0/4	0.2/6.5
β-γ (cpm)	20-80	40-80
Time	0845	0845
Date	6-16-94	6-17-94

Total Depth: 107 FT
Casing Depth:
Screened Interval:
Sand Pack, #3:
Well Development Method:
Time: Date:
Geophysical Logs, Type:
By: Date:

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Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
											0			ASPHALT 0-4"
			12	12	4	9/5 (mR/hr) β-γ 80-90 cpm β-γ			SM/SP		1			SILTY SAND (SM) BROWN (7.5YR 4/6) MOIST, MED. DENSE LOW-MED EST IK, VFG-FG SUBANG. SAND. 15-20% SILT, 5% MG, 1% CG. CALICHE PATCHES TO 10mm Ø.
											2			
											3			
									SM		4		?	4'? SILTY SAND (SM) BROWN (7.5YR 5/4) MOIST, MED DENSE, LOW-MOD EST IK. VFG-FG SUBANG. SAND. 10-15% SILT, 1-2% MG. MOTTLED W/ BLACK & GRAY STAINING. STRONG ODOR
			6	6	6	200/150 β-γ 80-90 cpm					5			
									SM		6		?	6'? SILTY SAND (SM) BROWN (7.5YR 5/4) MOIST, MED. DENSE. LOW EST. IK, VFG SUBANG. SAND, 10% CLAY, 15-20% SILT, 2-3% MG OCCAS. SUBRND PEBBLES TO 7mm Ø, MOTTLED W/ CALICHE & GRAY STAINING; STRONG ODOR
KAFB-ST219-06 0709			24	22	6	80-100/100-200 β-γ 80-90 cpm	VOC, SVOC, ANIONS	8260, 8270, pH			7, 8			
									SILT/SM		9		?	8.75' SANDY SILT (ML) BROWN (7.5YR 4/6) MOIST, STIFF, LOW EST IK, 15-25% SILT, 10% CLAY, 1% CG. OCCAS. SUBANG PEBBLES TO 5mm Ø.
											10			

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56

Borehole/Well No.: ST219-06

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNU/PID	Analysis			Lithology Code	Depth (ft)
		↓	6	7	6	[illegible]				(SDSL)	10–11
									—	SDCL	11–12
KAFB-ST219-06 12-14		↓	24	22	6	[illegible]	VOC	GRO	—	SDSM	12–13
							SVOC	DRO	—	SDSM	13–14
							METALS	Hg pH	MOIST.	SDSW	14
		↓	6	6	6	[illegible]					15–16
										SDSM	19
		↓	6	6	6	[illegible]					20–21
										SILT	23
KAFB-ST219-06 24-26		↓	24	22	6	[illegible]	SVOC	DRO		SDSM	24–26
							VOC	GRO			
							METALS	Hg pH	MOIST.		
										CLAY	30

9.5'? SILTY SAND (SM) STRONG BROWN (7.5YR 4/6) MOIST, MED DENSE LOW-MED EST. IK, VFG-FG SUBANG. SAND 15-20% SILT. 1% MG 1% CG OCCAS SUBANG. PEBBLES TO 3mm Ø VERTICAL CALICHE STRINGERS @ 10.5 (<1mm wide, 1mm long)

11.5'? CLAYEY SAND (SC) BROWN (7.5YR 4/4) MOIST, MED. DENSE LOW EST IK, VFG SUBANG SAND. 10-15% CLAY, 15-20% SILT. 5% MG. 2-3% CG. CALICHE PATCHES TO 20mm Ø

12.6' SILTY SAND (SM) BROWN (7.5YR 5/4) MOIST. MED. DENSE. LOW MOD EST IK. VFG SUBANG. SAND. 10% CLAY. 15-25% SILT. <2% MG.

13.4 GRAVELLY SAND (SW) LIGHT BROWN (7.5YR 6/3) DRY DENSE, MOD EST. IK FG MG SUBANG. SAND 5-10% SILT, 5-10% VFG. 10% CG, 10-20% SUBRND PEBBLES TO 10mm Ø

13.75 SAND (SP) BROWN (7.5YR 5/6) MOIST, MED. DENSE, MOD EST IK VFG SUBANG SAND. 5-10% SILT. 5% FG. WEATHERED BIOTITE COMMON

15-15.5 SAME AS AT 13.75

19'? SILTY SAND (SM) STRONG BROWN (7.5YR 4/6) MOIST. MED DENSE. LOW EST. IK, VFG SUBANG SAND. 10% CLAY 20-25% SILT. OCCAS SUBANG PEBBLES TO 3mm Ø MINOR CALICHE STAINING

23'? SANDY SILT (ML) DARK BROWN (7.5YR 3/4) MOIST, MED STIFF, LOW EST IK. 15% VFG, 2-3% FG 2-3% MG 1% CG. MOTTLED w/ BLACK STAINING

24.75 SILTY SAND (SM) LIGHT YELLOWISH BROWN (10YR 6/4) MOIST, MED. DENSE, MOD-HIGH EST IK, VFG SUBANG. SAND. 10-15% SILT, 5-10% FG. 1% CG. WEATHERED BIOTITE COMMON.

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56 | Borehole/Well No.: ST219-06

Notes:

Sample ID	Sampler Type	Blows / 6 inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/FID	Analysis		Laboratory Code	(cont.)	Depth (ft)	Recovery	Contact	
		↓	6	6	G	110/0.0			—	CLAY	31			29.5' CLAY (ML) STRONG BROWN (7.5YR 4/6) MOIST. STIFF, LOW EST. IK, CALCITE PATCHES TO 3mm ϕ
											32			30.4' SILTY SAND (SM) STRONG BROWN (7.5YR 5/6) MOIST. MED DENSE LOW-MOD EST IK, VFG SUBANG SAND 15-20% SILT,
MW-ST219-06 32.5'			24	22	G	150/0.0	VOC	GRAB	—	CLAY	33			32.75' CLAY (CL) BROWN (7.5YR 4/4) MOIST, STIFF - V. STIFF, LOW EST IK, OCCAS. CALCITE NODULES TO 3mm ϕ, LARGE (>15mm ϕ) NODULE AT 34 FT.
						150/0.0	SVOC	DRUM			34			
							METALS	Hg pH	MOIST					
									—	STIFF	35			34.5' GRAVELLY SAND (SW) BROWN (7.5YR 4/4) MOIST DENSE, LOW EST IK, VFG-FG SUBANG SAND 5% CLAY, 10% SILT, 15-20% MG. 10% CG. 15-20% SUBANG GRAVEL TO 6mm ϕ.
		↓	6	5	6	2.8/0.0					36			
						2.8/0.0					37			
											38			
											39			? 39? SILT (ML) STRONG BROWN (7.5YR 4/6) MOIST, MED. STIFF LOW EST IK, WEATHERED BIOTITE COMMON. 5-10% CLAY
						9.8/0.0				SILT	40			40.4' SAND (SP) STRONG BROWN (7.5YR 5/6) MOIST, MED. DENSE.
		↓	6	6	G	10/0.0			—	STIFF				LOW-MOD. EST IK. VFG SUBANG. SAND 5-10% SILT 5-10% FG
											41			
									—	SILT	42			41.5 SILT (ML) STRONG BROWN (7.5YR 4/6) MOIST, MED. STIFF LOW EST IK. 15-20% CLAY. FREE PRODUCT PRESENT
MW-ST219-06 42.5'			24	22	G	1000/0.0	VOC	GRAB	—	SILT				42.75' SAND (SP) STRONG BROWN (7.5YR 5/6) WET (W/ FREE PRODUCT) LOW-MED. EST. IK, VFG SUBANG. SAND. 5-10% SILT. WEATHERED BIOTITE COMMON.
						1000/0.0	SVOC	DRUM		SILT	43			
							METALS	Hg pH	MOIST.					
						1000/0.0					44			43.75' SILT (ML) SAME AS AT 41.5' FREE PRODUCT PRESENT
						STAINED					45			45-45.5 SAME AS ABOVE
		↓	6	6	G									
											46			
											47			
											48			
											49			
										SAND SILT	50			

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56

Borehole/Well No.: ST219-06

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/PID	Analysis		Lithology Code	[illegible]	Depth (ft)	Recovery	Contact	Notes
		↓	6	3	G	BZ 3.2 / 7.9 / BG [illegible]				↓				49'? SAND (SP) BROWN (7.5YR 5/4) MOIST, MED DENSE, MOD. EST. 1K VFG-FG SUBANG SAND 5 TO 8% SILT, 10-15% MG
											51			
									—	SDFW / SDVD	52			51.5' SAND (SW) PALE BROWN (10YR 5/3) MOIST, MED DENSE, MOD-HIGH EST. 1K FG-MG SUBANG. SAND 5% SILT, 10% VFG, 5-10% CG. OCCAS. RND PEBBLES TO 7mm Ø
KAFB-ST219-06 5254		↓	24	22	G	60-120 / 80-350 / BZ: 60-80 / 7-9	VOC	GRO		↓	53			COARSER GRAINED 53-53.5, + MORE PEBBLES.
							SVOC	DRO						53.75' SILTY SAND (SM) PALE BROWN (10YR 5/3) MOIST,
							METALS	Hg pH MOISTURE			54			MED DENSE, MOD EST. 1K, VFG SUBANG. SAND 10-15% SILT,
									—	5??? / SDF?	55			WEATHERED BIOTITE COMMON.
		↓	6	8	G	150/1000 / BZ: 60-100 / 8-9								54.5' SAND (SP) LIGHT YELLOW BROWN (10YR 6/4) MOIST, MED DENSE, MOD-HIGH EST. 1K. FG SUBANG SAND. 5% SILT, 10-15% VFG. WEATHERED BIOTITE COMMON
											56			
											57			
											58			
											59			
											60			
		↓	6	2	G	40/570 / BZ: [illegible] / 7-9								@ 60.5 SAME AS AT 54.5'
											61			
										↓	62			* NOTE: AT THIS POINT, IT WAS DECIDED TO DRIVE AS DEEP AS POSSIBLE WITH THE AVAILABLE EQUIPMENT TO COLLECT A SAMPLE. NO LITHOLOGY SAMPLES COLLECTED FROM 65 TO 74 FT.
											63			
											64			
											65			
										↓	66			
											67			
											68			
											69			
										↓	70			

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2AS6

Borehole/Well No.: ST219-06

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/PID	Analysis	Lithology Code	Depth (ft)	Notes
									71	
									72	
									73	
KAFB-ST219-06 74-76			24	22	G	50/100 / 150-185 BZ: BG 100 8:9	SVOC DRO; VOC GRO; METALS Hg pH MOISTURE		74–76	SAND (SP) LIGHT YELLOWISH BROWN (10YR 6/4) MOIST, MED DENSE, MOD-HIGH EST IK, FG SUBRND SAND, 5% SILT, 10% VFG. WEATHERED BIOTITE COMMON. (7 76 FT MG SUBANG. SAND. 5-10% SILT, 10-15% VFG-FG. 5% CG. RARE RND PEBBLES TO 7mm ϕ
								END 6/16	76–77	
									78	NOTE: SAMPLING INTERVAL TO CHANGE TO BE AT 85, 95 ETC. INSTEAD OF 84, 94 FT ETC.
								SDAN / SDMD	79	79' SAND (SP) LIGHT BROWN (7.5YR 6/4) MOIST, MED DENSE,
			12	8	G	200/150 BZ: 100-140 Y:10			80–81	MOD.-HIGH EST IK, FG-MG SUBANG SAND. 2-3% SILT, 5-10% VFG. 5-10% CG. OCCAS. RND PEBBLES TO 10mm ϕ. WEATHERED BIOTITE COMMON.
									82	
									83	
									84	
KAFB-ST219-06 85-87			24	22	G.	B: 50 / 80-TX BZ: 60-100 7:8	SVOC DRO, GRD; VOC; METALS Hg pH MOISTURE		85–87	85'-87 SAND (SP) SAME AS AT 80-81
								SDGR	87	87' GRAVELLY SAND (SW) LIGHT BROWN (7.5YR 6/4) MOIST, MED DENSE, MED-HIGH EST IK, FG-MG SUBANG, SAND <5% SILT, 5% VFG. 10% CG. 15-20% SUBROUND PEBBLES. 10-20+ mm ϕ.
									88	
								SDGR	89	
									90	

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2AS6

Borehole/Well No.: ST2A-06

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/PID	Analysis		Lithology Code	(SDPID)	Depth (ft)	Recovery	Contact	Notes
		↓	12	12	6	BKGND / [illegible] 0.9					90–91			89' SAND (SP) LIGHT BROWN (7.5YR 6/4) MOIST, MED. DENSE, HIGH EST. K, FG SUBANG SAND, <5% SILT, VFG. 10% FG. 2-3% CG. 1-2% SUBRND-RND PEBBLES TO 12 mm Φ.
											92			
											93			
										STCL	94		?	94'? CLAYEY SILT (ML) BROWN (7.5YR 5/4) MOIST, STIFF, LOW EST. K. 20-30% CLAY. CALICHE NODULE > 25 mm Φ at 95 ft
KAFB-ST2A-06-95-99 / KAFB-ST211-99-95-99		↓	24	22	6	0.9 / 100.8 ; BD-40-0 0.0	SVOC DRO GRO; SVOC DRO GRO R; METALS Ag, Pb MOISTURE				95–97			
		↓	24	22	6	5-80/20-5.5	METALS Ag, Pb MOISTURE R; VOC; VOC R			SDSM	97–99		/	98.75 SILTY SAND (SM) LIGHT BROWN (7.5YR 6/4) MOIST, DENSE MOD. EST. K, VFG SUBANG. SAND, 15-20% SILT.
											100			
											101			
											102			
											103			EQUIPMENT FAILURE AT 105'; NO SAMPLE EXCEPT TRACE OF MATERIAL ON SIDES OF SAMPLER RECOVERED.
						14/70 ; BD-80 0.9					104–105			CLAYEY SILT (ML) STRONG BROWN (7.5YR 4/6) MOIST, STIFF LOW EST. K, 25-30% CLAY.
KAFB-ST2A-06 105/107		↓	24	22	6	0/100 ; BD-BD 0.9	VOC; SVOC DRO GRO; METALS, Ag, Pb MOISTURE			STNF ; SDPN	105–107			105.25 SAND (SP) LIGHT BROWN (7.5YR 6/4) MOIST, MED. DENSE-DENSE, MOD-HIGH EST. K, FG SUBANG-SUBRND SAND, 5% VFG, WEATHERED MUSCOVITE COMMON
											107		T.D.	106.75' SAND (SP) LIGHT BROWN (7.5YR 6/4) MOIST, MED. DENSE, MOD. EST. K, FG SUBANG. SAND. 5% SILT. 5-10% VFG.
											108			
											109			
											110			

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BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION: Fence

-07
0 -06

ST 219

Concrete apron

Project: KAFB Stage 2B

Borehole/Well No: ST-219-07

Job No: 2A56

Logged By: L MASCIO

Edited By: JP

Project Manager: K. Walker

Drill Rig: Mobile B-61

Drilling Contractor: ENVIRONMENTAL WEST

Driller/Helper: R. McCorkle

Drilling Method: Hollow Stem Auger

Sample Method: Brass Rings

Hammer Weight/Drop: 140 lbs / 40 inches

Borehole Diameter: 8" OD

Started, Time: 1515 Date: 7/8/94

Completed, Time: 1330 Date: 7/9/94

Notes: FID ONLY USED FOR SCREENING

HNu/PID (ppm)	3	3
~~Background~~	10	10
Time	1515	0725
Date	7/8/94	7/9/94

Total Depth: 152FT

Casing Depth:

Screened Interval:

Sand Pack, #3: #0:

Well Development Method:

Time: Date: Flow Rate:

Geophysical Logs, Type:

By: Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/PID Reading	Analyses		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact
HAAB-ST219-07-7476			24	22	G	325 400			SAND		70 1 2 3 4 75 6 7 8 79 80		
		γ=	8			350 90	VOC METALS	SVOC					

LITHOLOGIC DESCRIPTIONS

Follow on boring to ST-219-06
Will drill to 74 feet and
begin samplings

Drill to 74 ft on 7/8/94
Resume drilling and begin
drilling samplings on 7/9/94

Sand (SP) light yellowish brown (10 YR 6/4) fine to occ med grain, uncons, good sort, mod dense, subang - subrnd, <5% silt

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56 | Borehole/Well No.: SF-219-07

Notes: —?' — ?'

Sample ID	Sample Type	Blows / 6 Inch	Inches Driven	Inches Recv'd	Sample Cond.	PID/FID	Analysis		Lithology Code	Depth (ft)	Recovery	Contact	
KAFB 37219 07-0062			24	22	G	450 425			SAND SOCR	0			SAND (SP) very pale brown (10 YR 7/4) coarse to medium grained, uncons, fair to poor sort, subang - subrnd, abnt clear qtz, abnt scattered pebbles (2-30 mm) rounded, < 5% silt, no odor
		γ =	8			600 190	VOC METAL	SVOC		1			
										2			
										3			
										4		?	
										5			—4'?
			24	15	G	700			SAND-SDAD	6			Sand (SM) very pale brown (10 YR 7/3) fine to medium grained at top, uncons, subang - subrnd, poor to fair sort, silty (15%), rounded pebbles (2-6 mm) at top, damp, no odor
		γ =	8							7			
										8			
										9			—9'?
KAFB-SF 219 07-0092			24	24	G	475 550			SOCR	10			Sand (SP) pale brown (10 YR 6/3) coarse grain, dominant qtz grains, fair sort, subang - subrnd, < 5% silt subrnd to rnd pebbles (2-6 mm) are common, no odor
		γ =	8			300 300	VOC METAL	SVOC		1			
										2			
										3			
										4			
										5			
			24	15	G	400			SAND SDAD	6			Sand (SP) light grayish brown (10 YR 6/2) fine to medium grain, some coarse, uncons, poor sort, subang - subrnd, abnt rnd pebbles (2-15 mm), dry, no odor
		γ =	8						CLAY	7			—Clay (CL) light brown (7.5 YR 6/3) stiff, silty, mod plastic, pebbles at top, v sl odor
										8			
										9			
										10			

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56 | Borehole/Well No.: 57-219-07

Notes: —?

Sample ID	Sampler Type	Blows / 6 inch	Inches Driven	Inches Recov'd	Sample Cond.	Meter/PID	Analysis		Lithology Code	Depth (ft)	Recovery	Comment
KAFB-57219 07-100902			24	22	G	160 80				100		SILT (ML) pinkish gray (7.5 YR 7/2) mod dense, with very fine grained sand, scattered rated pebbles (10-20 mm), sl clayey in parts, dry, very sl petroleum odor
		γ=	8			85 28	VOC metals	SVOC	SILT	1		
										2		
										3		
										104		
												104?
			24	18	G	500			SVF-SDFN	105		SAND (SM) Pale brown (10 YR 6/3) very fine, fine grained at top, good sort, subrnd, uncons, mod silty (~5-10%), dry to damp, very sl petroleum odor
		γ=	8							6		
										7		
										8		
										9		
												109
										110		
KAFB 57219 07-100902			24	23	G	225 170			SDFN	1		SAND (SW) Pinkish gray (7.5 YR 6/2) fine grained, slightly coarser at base good sort, subrnd to subang, uncons, < 5% silt, "clean" - no pebbles, damp no odor
		γ=	7			150 40	VOC metal	SVOC		2		
										3		
										4		
										115		
			24	20	G	75			SDFN SAND	116		SAND (SW) light brown (7.5 YR 6/3) fine grained, good sort, uncons, damp, no odor
		γ=	8									117 SAND (SW) light gray (10 YR 7/2) medium grained, mod dense, good sort, uncons, white flaky sparse lam at base, gray volcanic tuff fragments
									SAND	7		
										8		
										119		
										120		

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56 | Borehole/Well No.: ST 219-07

Notes: —119'

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	PID/FID	Analysis		Laboratory Code		Depth (ft)	Recovery	Completion
KAFB-ST219 07-A1/12			24	21	G	9 4			SDCR		120		
			γ2	8		3 3	VOC SVOC METALS				1		
											2		
											3		
											4		
											125		
			24	15	G	20			SDCR		6		
			γ=	8							7		
											8		
											9		
											130		
KAFB-ST219 07-A1/13			24	21	G	6 6			SAND-SDCR		1		
			γ=	8		16 4	VOC SVOC METALS				2		
											3		
											4		
											135		
			24	15	G	8			SDCR		6		
			γ=	8							7		
											8		
											139		
											140		

SAND (SP) light brownish gray (10 YR 6/2), coarse grained w/ some fine + medium grained, poor sort, uncons, sl silty (5-10%) occ rnded pebbles (2-8 mm) no odor

SAND - A/A, abundant round pebbles (2-10 mm) at base

SAND A/A abundant caliche and iron staining

SAND (SP) pale brown, (10 YR 6/3) medium to coarse grain, poor sort, uncons, < 5% silt, pebbles (2-6 mm) are common, scattered gypsum, damp

SAND (SP) very pale brown, (10 YR 7/3), medium to coarser grain, coarser with depth, fair sort, subang - subrnd, lithic fragments, some rounded pebbles at top (2-15 mm) damp

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56 | Borehole/Well No.: 57219-07

Notes: — ? 154'

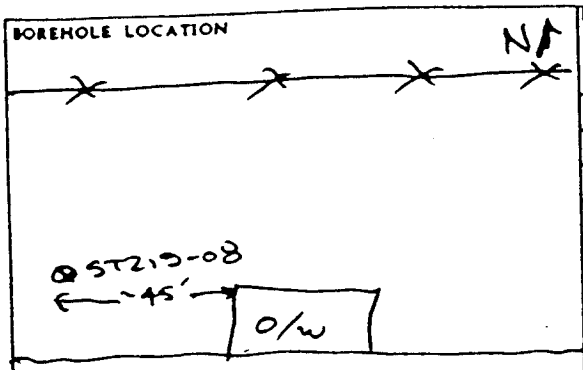
Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/PID	Analysis		Lithology Code	Depth (ft)	Recovery	Contact	Description
KAFB-57219-07-140/144 KAFB-57219-99-140/144			24	20	G	8 20			SDND	140			SAND (SP) light gray (10YR 7/2), medium grain, some coarse to fine grain, fair sort, subang – subrnd, uncons, rnded pebbles (2-30 mm), no odor
		γ=	8			27 25	VOC methyl	SVOC		1			
			24	16	G	5			SDND	142			SAND (SM) Brown (10YR 5/3) fine to medium grain, good sort, uncons, silty (15%), damp, no odor
		γ=	8			4 14	VOC methyl	SVOC		3			
										144			
													— 144.5
			24	16	G	4			SDND	145			SAND (SP) light greyish brown, (10YR 6/2) Medium to occ coarse grained, Coarser towards base, fair sort, uncons, scattered rnded pebbles (4-22 mm) more abundant towards base
		γ=	7							6			
										7			
										8			
										149			
													— 149
KAFB-57219-02-140/152			24	22	G	2 1			SDVF	150			SAND (SM) very pale brown, (10YR 7/3) very fine grained, good sort, silty (15-20%) to clayey at bottom and top
		γ=	8			2 2	VOC methyl	SVOC		1			
										152			
										3			TD at 152 ft
										4			
										5			
										6			
										7			
										8			
										9			
										0			

PROFESSIONAL GEOLOGIST
JOSEPH P. PAVLICH
PG-1811
WYOMING

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Notes: ONLY FID USED FOR SCREENING

Project: KAFB Stage 2B	Borehole/Well No: KAFB-ST219-08
	Job No: 2A56
Logged By: M. GARMAN	Edited By:
Project Manager: K. WALTER	Drill Rig: ~~Geoprobe~~ MOBILE B-61
Drilling Contractor: ENVIRONMENTAL WEST	
Driller/Helper: R. McCURKEL	
Drilling Method: ~~Geoprobe Construction Method Code - V (driven) HA - Hand Auger~~ HSA	
Sample Method: SPLIT SPOON - BRASS TUBE	
Hammer Weight/Drop: 140/30"	Borehole Diameter: 8" O.D.
Started, Time: 1015	Date: 7-21-94
Completed, Time: 1900	Date: 7-21-94

HNu/FID	2	1.5					
Y ~~B-T (upper)~~ AB/BC	10	8					
Time	1015	1315					
Date	7-21-94	7-21-94					

Total Depth: 102' Casing Depth:

Screened Interval:

Sand Pack, #3: #0:

Well Development Method:

Time: Date: Flow Rate:

Geophysical Logs, Type:

By: Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
KAFB-ST219-0812 @1040		4	24	22		10					10			10-10.5': (SM) FINE GR. SILTY SAND (10YR, 6/6)
		4				12	TCLP, ~~TOTAL~~							BROWNISH YELLOW, LOOSE, SL MOIST-MOIST,
		6	Y=10			3.5	VOA, SVOC		SD	V	11			SUBRD-SUBANG ±25% SILT ±10%
		6				2	METALS							FINE GRAV, SUBANG, L. STONE, UP TO 3in.
											12			
											13		?	
											14			
											15			15-16.7': (SP) SAND (10YR, 5/6) YELLOWISH
		6	24	20		4								BROWN, FINE, MED. DENSE, SL. MOIST,
		5							SD		16			SUBRD, ±20% MED. SAND - FINE GRAV,
		6	Y=8											SUBRD, ±0/MOT RF, UP TO 1.1cm. ±10% SILT.
		6									17			
											18			
											19		?	
											20			

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BOREHOLE / WELL CONSTRUCTION LOG (cont.) Page 2 of 6

Project / Job No: KAFB ~~8-D-2A90~~ 28 2A96 | Borehole / Well No: KAFB-ST213-08

Notes: 19'

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recv'd	Sample Cond.	HNu/PID	Analysis	Lab/Geo Code	Depth (ft)	Recovery	Contact	
		7				6						
		12	24	24		20	TCLP	SDSL	21			20-20.5': (SM) SILTY SAND (10YR, 5/4) YELLOWISH BROWN, DENSE, SL. MOIST, VFG-FG, SUBRD. ± 20% SILT, ± 1% COARSE SAND - FINE GRAV, SUBRD, 1/4 WET LF, UP TO 1.8 cm.
		25				5	VOC, SVOC					
		25	Y=8			4	METALS		22			
									23			
									24			
									25			25-26.6': (SM) SILTY SAND (10YR, 5/6) YELLOWISH BROWN, VFG-FG, SUBRD, MED. DENSE, SL. MOIST, ± 30% SILT.
		5										
		8	24	20		15		SDSL	26			
		12										
		20	Y=8						27			
									28		?	
									29			
									30			
		4				30						30-30.5': (SP) SAND (10YR, 5/6) YELLOWISH BROWN, FINE GR., SUBRD, MED. DENSE, SL. MOIST. ± 5% SILT.
		8	24	24		25	TCLP	SDEN	31			
		20				4	VOC, SVOC					
		24	Y=8			10	METALS		32			
									33			
									34			
									35			35-36.7': (SP) SAND (10YR, 6/4) ET YELLOWISH BROWN, MED. DENSE, SL. MOIST, SUBRD, FINE GR. < 5% SILT.
		5										
		10	24	20		4		SDEN	36			
		15										
		20	8=8						37			
									38			
									39		?	
									40			

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BOREHOLE / WELL CONSTRUCTION LOG (cont.) Page 3 of 6

Project / Job No. KAFB 2 D 2A96 | Borehole / Well No. KAFB-STS 2 -08

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	PID/FID	Analysis		Lithologic Code		Depth (ft)	Recovery	Contact	
KAFB-STS-08-4648 @ 1250		5	24	18		2			SDSL		41			40-41.5': (SM) SILTY SAND (10YR, 6/3) PALE BROWN, MED DENSE, SL. MOIST, VFG-FG, SUBRD. ±30% SLT. ±5% CLAY.
		5				8	TCLP							
		7	Y=8			20	VOC, SVOC				42			
		10				2	METALS							
											43			
											44			
											45			45-46': (SM) SILTY SAND (10YR, 6/4) LT. YELLOWISH BROWN, MED. DENSE, SL. MOIST, VFG-FG, SUBRD. ±25% SLT. ±5% CLAY
		2	24	24		3			CLAY SDSL		46			
		5												46-47': (CL) SILTY CLAY (10YR, 6/4) LT. YELLOWISH BROWN, MED, SL. MOIST, LOW - MED. PLASTICITY. ±30% SILT. ±5% VFG SAND, SUBRD.
		7	Y=8								47			
		8												
											48		?	
											49			
											50			
		10	24	24		6			SD		51			50-52': (SW) WELL GRADED SAND (10YR, 6/3) PALE BROWN, DENSE, SL. MOIST, SUBRD, MED - VERY COARSE, PRED. GRF, ±10% FINE GRAV, SUBRD, GRF, QTZ/LITH.
		20												
		20	Y=8								52			
													?	
											53			
											54			
											55			
KAFB-STS-08-5456 @ 1330		20	23	19		R			SL					55': (SP) SAND (10YR, 6/4) LT. YELLOWISH BROWN, DENSE, SL. MOIST, FINE, SUBRD. <5% SILT.
		25				4	TCLP				56			
		25	Y=8			3	VOC, SVOC		SDSL					
		50/5"				4	METALS				57			
											58			
											59			
											60			

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BOREHOLE / WELL CONSTRUCTION LOG (cont.) Page 4 of 6

Project / Job No. KAFB ~~3-D 2496~~ 20 2456 | Borehole / Well No. KAFB-STS13-08

Notes:

Sample ID	Sample Type	Blows / 6 Inch	Inches Driven	Inches Recv'd	Sample Cond.	PID/FID	Analysis		Lithologic Code		Depth (ft)	Recovery	Contact	
KAFB-STS13-08-0462 P 1350		15 30 45 50	24 V=8	21		6 7 10 3	TCLP VOC, SVOC METALS		SM SP		60 61 62 63 64 65		?	60': (SP) SAND (10YR, 7/3) V. PALE BROWN, VERY DENSE, SL. MOIST, FINE-MED, SUBRD-SUBANG. ± 10% FINE GRAV, SUBANG, 1G\MET RF, UP TO 1.9 cm.
KAFB-STS13-08-0674 AND KAFB-STS13-08-0674 (RNSP) P 1455		18 30 50/5"	17 V=8	14		25			SP		66 67 68 69 70			65-66.7': (SW) WELL GRADED SAND (10YR, 7/2) LT. GRAY, VERY DENSE, SL. MOIST, FINE-V. COARSE, SUBRD-SUBANG, QTZ\1G\MET RF. ± 10% FINE GRAV, SUBANG, 1G\MET RF, UP TO 1.3 cm.
		10 30 20 25	24 V=8	23		700 650 700 100	VOC, SVOC NOTES (DUP) VOC METALS	A			71 72			70-70.5': (SW) WELL GRADED SAND (10YR, 7/4) LT. GRAY, DENSE, SL. MOIST, FINE-V. COARSE, SUBRD, QTZ\1G\MET RF, VOC ODOR. ± 10% FINE GRAV, SUBANG, 1G\MET RF, UP TO 1.5 cm.
		10 15 20 44	24 V=8	19		550 1250 700 60	TCLP (DUP) VOC, SVOC (DUP) TCLP	A VOC			73 74		?	72': (SW) WELL GRADED SAND (10YR, 7/4) LT. GRAY, DENSE, SL. MOIST, VAC-V. COARSE, SUBANG-SUBRD, ± 10% FINE GRAV, SUBANG, 1G/MET RF, UP TO 5 cm. VOC ODOR.
		10 50/4"	10 V=8	10		400			SPGR		75 76 77 78 79 80			75-75.8': (SW) WELL GRADED SAND (10YR, 7/2) LT. GRAY, VERY DENSE, SL. MOIST, FINE-V. COARSE, GRAVELLY, SUBRD, ± 30% GRAVEL, FINE-PEBBLE, RD, 1G/MET, UP TO 3.5 cm. VOC ODOR.

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BOREHOLE / WELL CONSTRUCTION LOG (cont.) Page 5 of 6

Project / Job No. KAFB 2 D 2406 2D6456 Borehole / Well No. KAFB ET213-08

Notes

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recvd	Sample Cond	PID/FID	Analysis		Lithologic Code		Depth (ft)	Recovery	Content
KAFB-213-08-0080-0082		17 50/4"	8	8		35 50	METALS		SDGR		80		80': (SW) WELL GRADED SAND (10YR, 7/2) LT. GRAY, VERY DENSE, SL. MOIST, SUBRD, FINE-V. COARSE, ±25% FINE GRAV - PEBBLES, RD, IG/MET, UP TO 2.5cm. VOC ODOR.
			Y=8								81		
		25 25	24	24		25 20			SDGR		82		82-83': (SW) WELL GRADED SAND (10YR, 7/2) LT. GRAY, DENSE, SL. MOIST, MED-V. COARSE, SUBANG, BUBANG, ±20% FINE GRAV, SUBANG, IG/MET RF, UP TO 1.2cm.
		25 25	Y=8			10 1.5	VOC, SVOC TCLP		SDGR		83		
											84		
											85		
		13 15	24	22		2.5			SDMD		86		85-86.8': (SP) SAND (2.5Y, 7/3) PALE YELLOW, DENSE, SL. MOIST, FINE-MED, SUBRD. ±5% SILT. ±5% FINE GRAV, SUBRD. IG/MET RF, UP TO 1cm.
		18 32	Y=8						SDMD		87		
											88		?
											89		
KAFB-213-08-0090-0092											90		
		13 15	24	20		15 10	TCLP		SDSL		91		90': (SM) SILTY SAND (10YR, 6/2) LT. BROWNISH GRAY, DENSE, MOIST, VFG, SUBRD, SLIGHT PLASTICITY, 30-40% SILT. ~5% CLAY.
		25 16	Y=8			2 6	VOC, SVOC METALS		SDSL		92		
											93		?
											94		
											95		
		20 20	24	24		2			SDGR		96		95-97': (SW) WELL GRADED SAND (10YR, 7/2) LT. GRAY, DENSE, ±. MOIST, FINE-V. COARSE, SUBANG, GRAVELLY. ±30% FINE GRAV - PEBBLES, SUBRD, IG/MET RF, UP TO 4 cm.
		30 30	Y=8						SDGR		97		
											98		
											99		?
											100		

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB ~~2-8-2A90~~ 28 0A56

Borehole / Well No.: KAFB-ST219-08

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/PID	Analysis		Lithology Code		Depth (ft)	Recovery	Contact	Notes
KAFB-ST219-08-100.5 @1600		12	24	20		1.5			SP					100.5' (SP) SAND (10YR, 7/2) LT. GRAY,
		20				1.5	TCLP				101			DENSE, SL. MOIST, VFG-FG, SUBRD.
		25				1.5	VOC/SVOC							± 20% SILT.
		35	Y=8			1.5	METALS				102			
											3			
											4			
											5			
											6			
											7			
											8			
											9			[signature] 8-1-94 TN RG. #1808
											0			
											1			
											2			
											3			
											4			
											5			
											6			
											7			
											8			
											9			
											0			

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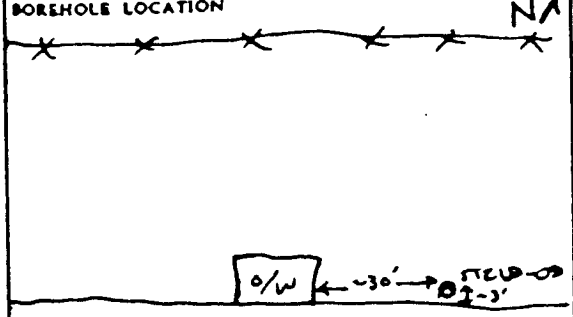
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION — NA



CONCRETE ACTION

Notes: ONLY FID USED FOR SCREENING

Project: KAFB Stage 2B	Borehole/Well No: KAFB-ST213-09
	Job No: 2A56
Logged By: M. GARMAN	Edited By:
Project Manager: K. Walker	Drill Rig: MOBILE B-61
Drilling Contractor: ENVIRONMENTAL WEST	
Driller/Helper: R. MCCORKLE	
Drilling Method: HSA	
Sample Method: SPLIT SPOON - BRASS TUBE	
Hammer Weight/Drop: 140/30"	Borehole Diameter: 8" O.D.
Started, Time: 1000	Date: 7-22-94
Completed, Time: 1830	Date: 7-22-94

HNu/FID	1.5						
~~B-x (ppm)~~ VOA	0						
Time	1015						
Date	7-22-94						

Total Depth: 162' Casing Depth:

Screened Interval:

Sand Pack, #3: #0:

Well Development Method:

Time: Date: Flow Rate:

Geophysical Logs, Type:

By: Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses	Lithology Code	Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
KAFB-ST213-09-0810 @ 1015		5 5	24	20		350 400	TCLP	CLAY	10 11			11-11.5': (CL) SILTY CLAY (10YR, 5/2) BROWN, SOFT, SL. MOIST, LOW PLASTICITY, ±30% SILT ±5% VFG-FG SAND, SUBRD. VOC ODOR.
		5 5	X=8			500 200	VOC, STOC >SPK		12			
									13		?	
									14			
									15			
		5 5	24	22		600		SDSL	16			15-16.8': (SM) SILTY SAND (10YR, 5/3) BROWN, LOOSE, SL. MOIST, SUBLD, VFG-FG, ±20% SILT ±10% MED-COARSE SAND, SUBLD, PRED. QTZ. VOC ODOR.
		5 5	X=8						17			
									18			
									19		?	
									20			

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BOREHOLE / WELL CONSTRUCTION LOG (cont.) Page 2 of 6

Project / Job No. KAFB ~~2496~~ 2496 | Borehole / Well No. KAFB-ST215-09

Notes:

Sample ID	Sample Type	Blows / 6 Inch	Inches Driven	Inches Recvd	Sample Cond	PID/FID	Analysis		Lithology Code		Depth (ft)	Recovery	Contact	Description
KAFB-ST215-09-2022 @ 1035		15	24	23		350			SDFN		20			20-20.5': (SP) SAND (10YR, 5/4) YELLOWISH BROWN, MED. DENSE, SL. MOIST, SUBRD-SUBANG. VR ±20% MED SAND - FINE GRAV, SUBANG, GRVL IGNEOUS RF, UP TO 8mm. ±5% SILT. VOC ODOR.
		15				600	TCLP				21			
		10				500	VOC, SVOC							
		15	Y=8			200	METALS				22			
											23			
											24			
											25			
		5												25→26.7': (SP) SAND (10YR, 5/4) LT. YELLOWISH BROWN, DENSE, SL. MOIST, FINE GR., SUBRD. <5% SILT. VOC. ODOR.
		15	24	20		1500			SDFN		26			
		25												
		30	Y=8								27			
											28			
											29			
											30			
KAFB-ST215-09-2022 @ 1107		10	24	22		1400								30-30.3': (SP) SAND (10YR, 6/3) PALE BROWN, MED, DENSE, SL. MOIST, FINE GR., SUBRD. ±10% FINE GRAV, SUBANG, IGNEOUS RF, UP TO 7mm. <5% SILT VOC ODOR.
		15				1250	TCLP		SDFN		31			
		15				1250	VOC, SVOC							
		15	Y=8			175	METALS				32			
											33		?	
											34			
											35			35-37': (CL) SILTY CLAY (7.5YR, 5/4) BROWN, VERY HARD, SL. MOIST, LOW PLASTICITY. ±30% SILT, ±5% VFG SAND, SUBRD. VOC ODOR.
		7												
		15				175			CLAY		36			
		20	Y=8											
		25									37			
											38			
											39			
											40			

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No. KAFB ~~2B 2496~~ 2B 2456 | Borehole/Well No. KAFB-ST213-09

Notes

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Cond.	HNu/PID	Analysis		Lithologic Code	Depth (ft)	Recovery	Contact
KAFB-ST213-09-0810 (TANDEM)		7	24	14		325			CLAY	41		
		10										
		16	Y=8			200	TCLP					
		20				110	METALS			42		
		10	24	22		1100	METALS					
		15				1000	TCLP			43		
		20	Y=8			200	VOC, SVOC		CLAY			
		20				150	VOC, SVOC			44		
										45		
		5	24	24								
		5				400			CLAY	46		
		9	Y=8									
		9								47		
										48		?
										49		
										50		
KAFB-ST213-09-0812 @ 1205		15	22	18		50						
		25				400	TCLP		SAND	51		
		50	Y=8			200	VOC, SVOC					
		50/4"				100	METALS			52		
										53		
										54		
										55		
		16	15	15								
		40				200			SAND	56		
		50/5"	Y=8									
										57		
										58		
										59		
										60		

45-47' (CL) SILTY CLAY (10YR, 5/3) BROWN, VERY HARD, SL MOIST, LOW PLASTICITY, SC. MOIST. ± 20% SILT. VOC ODOR.

42': (CL) SILTY CLAY (10YR 5/3) BROWN, VERY HARD, SL. MOIST, LOW PLASTICITY, ± 30% SILT. VOC ODOR

45-47': (CL) SILTY CLAY (10YR, 5/3) BROWN, HARD, SL. MOIST, MED. PLASTICITY. 15-20% SILT. ± 5% FINE GRAVEL, SUBANG, Ø1 TO 1.5cm

50': (SP) SAND (10YR, 6/4) LT. YELLOWISH BROWN, VERY DENSE, SL. MOIST, FINE-MED. GR., SUBRD. 5-10% SILT.

55-56.7': (SP) SAND (10YR, 6/2) LT. BROWNISH GRAY, VERY DENSE, SL. MOIST, FINE-MED., SUBRD. VOC ODOR.

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BOREHOLE / WELL CONSTRUCTION LOG (cont.) Page 4 of 6

Project / Job No. KAFB ~~2D 2496~~ 2D 2456 | Borehole / Well No. KAFB-MW219-0

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recvd	Sample Cond.	HNu/PID	Analysis	Lab/Geo Code	Depth (ft)	Recovery	Content
KAFB-MW219-0013102		16	24	24		1400		SDMD	60		60-60.5': (GP) SAND (10YR, 6/2) LT. BROWN/GRAY, VERY DENSE, SL. MOIST, FINE-MED GR., SUBRD. ± 20% COARSE-V. COARSE SAND, SUBRD, PROB. GTZ. VOC ODOR.
		21				700	TCLP				
		40				700	VOC, SVOC	SDMD	61		
		42	Y=8			400	METALS		62		
									63		
									64		
									65		65-66.4': (SW) WELL GRADED SAND (10YR, 7/2) LT. GRAY, VERY DENSE, SL. MOIST, MED-VERY COARSE, SUBRD-SUBANG, GTZ/IGN/MET RF, GRAVELLY ± 20% FINE GRAV, SUBRD, IGN/MET RF, UP TO 3 CM PEBBLE. VOC ODOR.
		15	17	17		600		SD	66		
		30									
		50/5	Y=0						67		
									68		
									69		
									70		
KAFB-MW219-0014002		14	24	21		1160		A			70-70.5': (SW) WELL GRADED SAND (10YR, 7/2) LT. GRAY, VERY DENSE, SL. MOIST, FG-V. COARSE, SUBRD-SUBANG, GTZ/IGN/MET. 10-15% FINE GRAV, SUBRD, UP TO 9 MM. VOC ODOR.
		30				700	TCLP		71		
		40				600	VOC, SVOC	VI			
		50	Y=8			200	METALS		72		
									73		
									74		
									75		75-76': (SW) WELL GRADED SAND (10YR, 7/2) PALE BROWN, V. DENSE, SL. MOIST, MED-V. COARSE, GRAVELLY, SUBRD, UP TO 9 MM. ± 35% FINE GRAV, SUBRD. 76-76.4': AS ABOVE W/ FINE-V. COARSE GRADE. VOC ODOR.
		15	17	17		300		A			
		20							76		
		50/5	Y=8					VI			
									77		
									78		
									79		
									80		

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BOREHOLE / WELL CONSTRUCTION LOG (cont.) Page 5 of 6

Project / Job No. KAFB ~~3D 2A06~~ 2B 2A5C | Borehole / Well No. KAFB-ST21-09

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recvd	Sample Cond.	Headspace	Analysis	Lab No.	Lithologic Code	Depth (ft)	Recovery	Content
KAFB-ST21-09-80.2-82.2 @ 1440		15	24	20		1100			SD	81		80 - 80.2': (SW) WELL GRADED SAND (10YR, 4/2) LT. BROWNISH GRAY, VERY DENSE, SL. MOIST, FINE-V. COARSE, SUBRD. 15-20% FINE GRN, SUBRD, IG/MET RF, UP TO 2 cm. VOC ODOR.
		30				700	TCLP					
		45	Y=8			600	VOC, SVOC			82		
		50				500	METALS					
										83	?	
										84		
										85		85-85.3': (SP) SAND (10YR, 6/2) LT. BROWNISH GRAY, VERY DENSE, SL. MOIST, MED. GRAINED, SUBRD. 5-10% SILT.
		13	11	11					SDMD	86		
		50/5"				1100						
			Y=8							87		
										88	?	
										89		
										90		90 - 90.2': (SP) FINE GRAVEL (10YR, 5/3) BROWN, VERY DENSE, SL. MOIST, SANDY, SUBRD, IG/MET RF. ± 40% WELL GRADED SAND, SUBRD, (FG-V. COARSE) VOC ODOR.
KAFB-ST21-09-92.5-94.5 @ 1510		25	24	19		700			GWSG			
		50				700	TCLP			91		
		50	Y=8			650	VOC, SVOC					
		50				100	METALS			92		
										93	?	
										94		
										95		95-96.2': (SP) SAND (10YR, 7/1) LT. GRAY, VERY DENSE, SL. MOIST, COARSE-V. COARSE, SUBRD, PRED QTZ. ± 30% FINE GRAV, IG\MET RF, SUBRD, UP TO 1.3 cm. VOC ODOR.
		14	14	14		800			SDVC	96		
		27										
		50/4"	Y=8							97		
										98	?	
										99		
										100		

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BOREHOLE / WELL CONSTRUCTION LOG (cont.) Page 5 of 6

Project / Job No.: KAFB ~~3-D 2496~~ 20 2496 Borehole/Well No.: KAFB-ST219-02

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recv'd	Sample Cond	HNu/PID	Analysis		Lithologic Code		Depth (ft)	Recovery	Content
KAFB-ST219-02-0545		25	24	19		600							100-100.1': (ML) SILT (10YR 7/3) V. PALE BROWN, VERY DENSE, SL. MOIST, SL. PLASTICITY. ± 10% VFG SAND, SUBRD. 5-10% CLAY. VOC ODOR.
		50				500	TCLP		SILT		101		
		50				800	VOA, SVOC						
		50				250	METALS				102		

8-1-94
TN RG. # 1808

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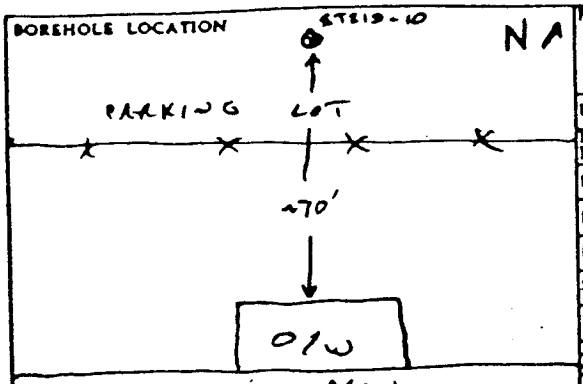
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



CONCRETE ASPHALT

Notes: ONLY FID USED FOR SCREENING

Project: KAFB Stage 2B	Borehole/Well No: KAFB-ST219-10
	Job No: 2A56
Logged By: M. GRUMAN	Edited By:
Project Manager: K. Walker	Drill Rig: MOBILE B-61
Drilling Contractor: ENVIRONMENTAL WEST	
Driller/Helper: R. McCORKEL	
Drilling Method: 4¼ HSA	
Sample Method: SPLIT SPOON - BRASS LINER	
Hammer Weight/Drop: 140/30"	Borehole Diameter: 8" O.D.
Started, Time: 0905	Date: 7-23-94
Completed, Time: 1800	Date: 7-23-94

HNu/FID	2					
~~B-T (ppm)~~ TMB	8					
Time	0905					
Date	7-23-94					

Total Depth: 102' Casing Depth:

Screened Interval:

Sand Pack, #3: #0:

Well Development Method:

Time: Date: Flow Rate:

Geophysical Logs, Type:

By: Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analysis		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact
KAFB-ST219-10 0920		3	24	19		4			SP/MD		10		
		5				4	TCLP						
		5	γ=8			2	TOX, PHC				11		
		5				2	METALS						
											12		
											13		
											14		
		5	24	22		3			SP/FN		15		
		7											
		8	γ=8								16		
		10											
											17		
											18		
											19		
											20		

LITHOLOGIC DESCRIPTIONS

10-10.2': (SP) SAND (10YR, 6/3) PALE BROWN, LOOSE, SL. MOIST, FINE-MED. GR, SUBRD, 10-15% SILT, 5-10% COARSE-V. COARSE SAND, SUBRD, 1G/MET RF.

15-16.8': (SP) SAND (10YR, 6/3) PALE BROWN, MED. DENSE, SL. MOIST, VFG-FG, SUBRD, <5% SILT.

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BOREHOLE / WELL CONSTRUCTION LOG (cont.) Page 2 of 6

Project / Job No. KAFB ~~20 2AUG~~ 20 2AUG | Borehole / Well No. KAFB-3213-10

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recvd	Sample Cond.	Headspace	Analysis		Lithology Code	Depth (ft)	Recovery	Contact	Description
KAFB-3213-10-2033 @ 20.40		8	24	18		8							20'-21': (ML) CLAYEY SILT (10YR, 5/6) YELLOWISH BROWN, SOFT, SL. MOIST, SL. PLASTICITY, ±30% CLAY, ±5% VFG-FG SAND, SUBRD.
		12				5	TCLP		STCL	21			
		15	Y=8			6	VOC, SVOC						
		15				3	METALS			22			
										23		?	
										24			
										25			25-26': (SP) SAND (10YR, 7/6) YELLOW, V. DENSE, SL. MOIST, VFG-FG, SUBRD - RD. 5-10% SILT.
		20	15	12		4			SDFN	26			
		50/5"	Y=8										
										27			
										28		?	
										29			
										30			
(KEP) KAFB-3213-10-3034, KAFB-3213-09-3034 @ 10.1'		10	24	22		2							31.5-31.8': (ML) CLAYEY SILT (10YR, 5/3) BROWN, SOFT, SL. MOIST, SL. PLASTICITY, ±30% CLAY, ±5% VFG SAND, SUBCD.
		20				5	VOC, SVOC		STCL	31			
		30	Y=8			2	METALS						
		40				2	METALS			32			32-34': (CL) SILTY CLAY (10YR, 5/3) BROWN, FIRM-HARD, SL. MOIST, LOW-MED PLASTICITY, 30-40% SILT.
		10	24	24		2				33			
		25				2	TCLP		CLAY STCL				
		25	Y=8			2	TCLP						
		40				2	VOC, SVOC			34			
										35			35-35.5': (CL) (7.5YR, 5/6) STRONG BROWN, SILTY CLAY, VERY HARD, DRY, ±30% SILT. 5-10% VFG SAND, SUBCD.
		12	14	14		40			CLAY				
		33								36			35.5-36.2': (SP) SAND (10YR, 7/8) YELLOW, V. DENSE, SL. MOIST, FINE, SUBRD.
		50/6"	Y=8						SDFN	37			
										38		?	
										39			
										40			

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No. KAFB ~~2-D-2A96~~ ~~2D2A96~~ Borehole/Well No. KAFB-ST213-10

Notes:

Sample ID	Sampler Type	Blows / 6 inch	Inches Driven	Inches Recov'd	Sample Cond	HNU/PID	Analysis	Lithology Code	Depth (ft)	Description
KAFB-ST213-10-40/42 P 1105		6 / 10 / 10 / 16	24	18 (Y = 8)		2 / 2 / 2 / 2	TCLP; VOC, SVOC; METALS	CLAY	40–42	40': (CL) SILTY CLAY (10YR, 5/6) YELLOWISH BROWN, FIRM - HARD, SL. MOIST, LOW-MED. PLASTICITY. ± 20% SILT.
									43	Contact: ?
		19 / 27 / 50/6"	16	16 (Y = 8)		6		SD FN	45–46.3	45-46.3': (SP) SAND (10YR, 7/3) V. PALE BROWN, VERY DENSE; SL. MOIST, FINE, SUBRD-RD.
KAFB-ST213-10-50/52 P 1115		23 / 40 / 40 / 40	24	21 (Y = 8)		12 / 12 / 10 / 15	TCLP; VOC, SVOC; METALS	SD MD	50–50.3	50-50.3': (SP) SAND (10YR, 7/2) LT. GRAY, V. DENSE, SL. MOIST, FINE-MED GR., SUBRD.
		15 / 30 / 31 / 50/2"	20	18 (Y = 8)		12		SD MD	55–56.5	55-56.5': (SP) SAND (10YR, 7/3) V. PALE BROWN, V. DENSE, SL. MOIST, MED GR., SUBRD, PRED. QTZ\ARF.

Depth scale: 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60

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BOREHOLE / WELL CONSTRUCTION LOG (cont.) Page 4 of 6

Project / Job No. KAFB ~~3-D-2496~~ 2B2456 | Borehole/Well No. KAFB-ST219-10

Notes:

Sample ID	Sample Type	Blows / 6 Inch	Inches Driven	Inches Recvd	Sample Cond.	Recovered	Analysis	Lab	Lithology Code	Depth (ft)	Recovery	Contact	Description
KAFB-ST219-10-6063 @ 1205		16 29 40 70	24	19		4 7 5 8	TCLP VOC/SVOC METALS	STL	SP/SM	60 61 62 63 64 65			60-60.1': (SP) SAND (10YR, 7/2) V. POOR BROWN, VERY DENSE, SL. MOIST, MED. GR., SUBRD, <5% SILT.
		25 50/2"	8	8					SM/D	65 66			65-65.7': (SP) SAND (10YR, 7/2) LT. GRAY, V. DENSE, SL. MOIST, FINE-MED.; SUBRD.
			Y=8							67		?	
KAFB-ST219-10-7012 @ 1242		25 50	24	18		3 12	TCLP		SW/D	68 69 70 71			70': (SW) WELL GRADED SAND (10YR, 8/1) WHITE VERY DENSE, SL. MOIST, MED-V. COARSE, SUBRD., PRED. QTZ/CHT.
		50 50	Y=8			2 2	VOC/SVOC METALS			72		?	
										73 74			
		25 25	18	16		3			GW/D	75 76			75-76.3': (GW) WELL GRADED GRAVEL (10YR, 7/3) V. PALE BROWN, V. DENSE, SL. MOIST, FINE-V. COARSE, SUBRD, QTZ/IGN/INT FP, UP TO 4 cm, SANDY, ± 35% WELL GRADED SAND (MED-V. COARSE), SUBRD.
		50/6"	Y=8							77 78		?	
										79 80			

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB ~~2-D 2A96~~ 2D 2A96

Borehole / Well No.: KAFB - SC219-10

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Cond.	PID	Analysis		Lithology Code		Depth (ft)	Recovery	Contact	Notes
KAFB-ST219-10-8082 @ 1320		20, 40, 43, 40	24	24		4, 5, 3, 2	TCLP, VOC/SVOC, METALS		SDCR		80–82			80-80.5': (SP) SAND (10YR, 7/2) LT. GRAY, V. DENSE, SL. MOIST, MED-COARSE, SUBRD, QTZ/IG/MET RF.
			R=8											
		20, 35, 40	18	18		6			SD		85–86.5			85-86.5': (SW) WELL GRADED SAND (10YR, 7/2) LT. GRAY, V. DENSE, SL. MOIST, MED - V. COARSE, SUBRD, PROD. QTZ. 15-20% FINE GRAV, SUBRD, QTZ/IG/MET RF, UP TO 5mm.
			R=8											
KAFB-ST219-10-9092 @ [illegible]		12, 23, 40	18	14		5, 20, 3	~~METALS~~ [illegible], VOC/SVOC, TCLP, METALS (FROM 2nd SPOON)		SD		90–92			90': (SW) WELL GRADED SAND (10YR 7/2) LT. GRAY, V. DENSE, SL. MOIST, MED-V. COARSE, SUBRD. SENT DOWN ADDITIONAL SPOON TO GET ENOUGH RECOVERY FOR SAMPLE. LITH: (SW) AS ABOVE.
			R=8											
											95			SKIPPED 95' LITH. SAMPLE DUE TO TIME CONSTRAINTS BROUGHT ABOUT BY THUNDERSTORM
											97–98		?	
											100			

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BOREHOLE / WELL CONSTRUCTION LOG (cont.) Page 5 of 6

Project / Job No. KAFB ~~2A96~~ CA3C | Borehole / Well No. KAFB-ST219-1D

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recvd	Sample Cond	HNU/PID	Analysis		Laboratory Code		Depth (ft)	Recovery	Content
KAFB-ST219-MW102 @ 1545		18	24	19		4							
		33				7	TCLP		STCL		101		
		50				5	VOC, SVOC						
		50	Y=8			5	METALS				102		
											3		
											4		
											5		
											6		
											7		
											8		
											9		
											0		
											1		
											2		
											3		
											4		
											5		
											6		
											7		
											8		
											9		
											0		

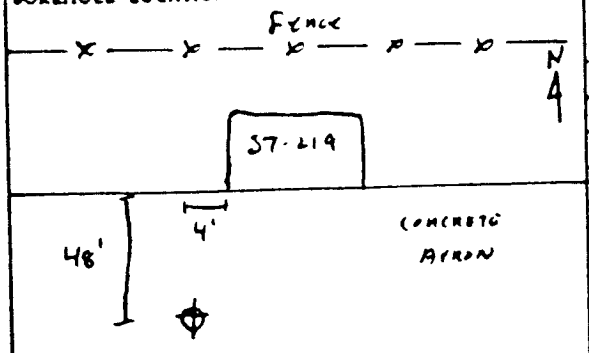
101.6': (ML) CLAYEY SILT (10YR, 7/3) V. PALE BROWN, ~~V. HARD~~ V. DRY, CALCAR CEMENTATION

8-1-94
TN RG. #1808

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: ST-219-11
	Job No: 2A56
Logged By: L BASILIO	Edited By: JF
Project Manager: K Walter	Drill Rig: Mobile B-61
Drilling Contractor: ENVIRONMENTAL WEST	
Driller/Helper: R. McKorkle	
Drilling Method: Hollow Stem Auger	
Sample Method: Brass Ring	
Hammer Weight/Drop: 140 lbs / 40 inches	Borehole Diameter: 8" OD
Started, Time: 0950	Date: 7/25/94
Completed, Time: 1500	Date: 7/25/94

Notes: PID ONLY USED FOR SCREENING

~~Blks/PID~~ (ppm)	2				
~~ppm~~ ug/hr	9				
Time	1000				
Date	7/25/94				

Total Depth: 102 ft | Casing Depth:

Screened Interval:

Sand Pack, #3: | #0:

Well Development Method:

Time: | Date: | Flow Rate:

Geophysical Logs, Type:

By: | Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	Blks/PID Reading	Analysis		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
											0			10" thick concrete apron
											1			Drill to 10 ft then begin sampling
											2			
											3			
											4			
											5			
											6			
											7			
											8			
											9			
											10			

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56 | Borehole / Well No.: ST 219-11

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recv'd	Sample Cond.	HNu/PID	Analysis		Lithology Code	Depth (ft)	Recovery	Content
KAFB-ST219-11-10/12			24	12	G				SILT	0		SILT (ML) Brown (7.5 YR 5/2) clayey w/ vfg sand, mod dense, scattered 2-4 mm pebbles, slightly sanitary sewer odor
		γ=	8			50 4	VAC SVOC Methyl			1		
										2		
										3		
										4		
										5		
			24	19	G	800			SDVF	6		SAND (SW) Yellowish brown (10 YR 5/6), vf grained, good sort, uncons, mod dense, v sl silty (< 5%) < 5% pebbles (< 3mm), damp, slight petroleum odor
		γ=	8							7		
										8		
										9		
										10		
KAFB-ST219-11-20/24 KAFB-ST219-95-20/24			24	20	G	60 27	VOA Methyl		SDFN	1		SAND (SM) pale brown (10 YR 6/3), vfg grain, good sort, mod dense, silty (10%) clayey in parts, < 5% 2-4 mm pebbles, damp, very slight petroleum odor
		γ=	8			350 150	Methyl VOA SVOC			12		
			24	22	C	275 1000	VOA SVOC		SDFN	13		SAND (SM) brown (10 YR 5/3), vf grain, good sort, very silty (>15%), dense, sl clayey in parts, < 5% pebbles, slight petroleum odor
		γ=	8			2000 200	methyls methyls			14		
										15		
			24	15	G	825			SDVF	16		SAND (SM) light yellowish brown (10 YR 6/4), vf grained, good sort, silty (10-15%), dense, sl clayey in parts, trace pebbles (< 5%) moderate petroleum odor
		γ=	8							17		
										18		
										19		
										20		

Project / Job No.: KAFB 2B 2AS6

Borehole/Well No.: ST 219 - 11

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/PID	Analysis		Lithology Code		Depth (ft)
KAFB-ST219-11-3034 ~~KAFB-ST219-04~~	includes MS/MSD	↕	24	23	G	50 / 22	VOC	SVOC	SDVF		30–31
			γ =	8		25 / 3	metals / metals				31–32
			24	22	G	35 / 225	TCLP		SILT		32–33
			γ =	8		14 / 30	TCLP / VOC	SVOC	CLAY		33–34
		↕	24	20	G	175			SDVF		35–36
			γ =	8					CLAY		36–37
KAFB-ST219-11-4042		↕	24	22	C	100 / 75	TCLP		SDVF-	SDFN	40–41
			γ =	8		150 / 60	VOC / metal	SVOC			41–42
		↕	24	18	G	9			SDVF-SDFN		45–46
			γ =	8							46–47

30' — SAND (SM) Yellowish brown (10YR 5/4) vf grain, good sort, very silty (>20%) clayey in parts, dense, <5% pebbles (2-4 mm) damp, no odor

32' — SILT (ML) brown (7.5 YR 5/4), clayey, dry grades to clay w/ depth

33' — Clay (CL) reddish brown (5 YR 4/4) stiff to very stiff, sl plastic, silty, dry

34.5' — --

35' — SAND (SM) Yellowish brown (10 YR 6/6) vf grain, good sort, uncons, sl silty (5%), clayey w/ depth, dry, no odor

36' — Clay (CL) Strong brown (7.5 YR 5/6) stiff, dry, silty to very silty, grades to clayey silt in parts, pebbles 2-4 mm at base

40' — CLAY - A/A

40.5' — SAND (SM) Yellowish brown (10 YR 5/6) vf to fine grain, good sort, mod dense, sl silty (5-10%), clayey at top, dry, no odor

45' — SAND (SM) dark yellowish brown (10 YR 4/4) vf to fine grained, good sort, uncons, mod dense, finer grained towards base, silty (5-10%), damp

49' — ?

50'

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2AS6 | Borehole/Well No.: ST-219-11

Notes: 49'7

Sample ID	Sampler Type	Blows / 6 inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/PID	Analysis		Laboratory Code		Depth (ft)	Recovery	Contact	
KAFB-ST29 11-5052			24	20	G	55 8	TCLP		SOAD		0			Sand (SP) pale brown (10 YR 6/3) medium grain, occ fine to coarse, fair sort, unsol, mod dense, < 5% silt, scattered pebbles (< 3mm) damp, no odor
			γ= 8			8 4	VOC METALS	SVOC			1			
											2			
											3			
											4			
											5			
			24	12	G	25			SOAD		6			Sand (SP) pale brown (10 YR 6/3) medium grained, some fine grained fair sort, uncons, mod dense, < 5% silt, < 5% pebbles (2mm), dry, no odor
			γ= 8								7			
											8			
											9			
											10			
KAFB-ST49 11-6062			24	20	G	6 5	TCLP		SOAD-SAND		0			Sand (SP) light brownish gray (10 YR 6/2) coarse grained, grades to medium grained with depth, some fine grained, poor sort, uncons, v s(silty (< 5%), abundant pebbles (2-10 mm) at top, decreases with depth, dry, no odor
			γ= 8			5 3	VOC METAL	SVOC			1			
											2			
											3			
											4			
											5			
			24	18	G	4			SAND SOAD		6			Sand (SP) very pale brown (10 YR 7/3) fine to medium grained at top, grades to coarse grained at base, mod dense, uncons, silty (10%) at top, < 5% at base, scattered rounded pebbles, dry no odor
			γ= 8								7			
											8			
											9			
											10			

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56 | Borehole/Well No.: ST 219 - 11

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/PID	Analysis		Lithology Code		Depth (ft)	Recovery	Chart
KAFB-ST219 11-7072			24	22	G	3 3	TC	LP	SDGR	SDGR	70		
			γ=	8		2 2	VOC	SVOC METALS			1 2		
			24	12	G	4			SDGR	SDGR	3 75 6		
			γ=	8							7		
KAFB ST219 11-9082			24	22	G	3 2	TC	LP	SDGR	SDGR	79 80 1		
			γ=	8		4 3	VOC	SVOC METALS			2		
			24	15	G	3				SDGR	3 84 85 6		
			γ=	8							7		
											8 9 90		

Sand (SP) light gray (10 YR 7/2) coarse grained to medium grained towards base, poor sort, uncons, < 5% silt, abndt rnd pebbles (2-6 mm) at top, decreases with depth, dry no odor

Sand (SP) A/A, coarse grained with scattered fine to medium grained, pebbles up to 10 mm, dry, no odor

Sand (SP) light brownish gray (10 YR 6/2) medium to coarse grained, fair sort, uncons, scattered pebbles (4-25 mm), dry, no odor

Sand (SP) light brownish gray (10 YR 6/2), medium grained, some fine + coarse, POOR sort, dry no odor

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56 | Borehole/Well No.: SB 219-11

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recv'd	Sample Cond.	HNu/PID	Analysis		Laboratory Code		Depth (ft)	Recovery	Contact
KAFB-SB219-11-90/94 KAFB-SB219-99-102/94			24	20	G	2	VOC	SVOC	SOMD		90		
						2	METAL				1		
		γ=	8			2	METAL						
			24	20	G	2			SOMD		92		
						2	TCLP				3		
		γ=	8			2	TCLP						
						2	VOC	SVOC			94		
											95		
			24	20	G	2			SILT		6		
		γ=	8								7		
KAFB-SB219-11-100/102											8		
											9		
											100		
			24	17	G	2	METALS		SILT		1		
		γ=	8			3	VOC	SVOC					
						2	TCLP				102		
											3		
											4		
											5		
											6		
											7		
											8		
											9		
											0		

Sand A/A with pebbles (2-15 mm)

Sand (SP) Pale brown (10 YR 6/3) medium grained, some fine to coarse, poor sort, uncons, < 5% silt, scattered pebbles (4 x 0 mm) dry, no odor

—94'

SILT (ML) Strong brown (7.5 YR 5/6), stiff, clayey, dense, sandy lam, damp, no odor

SILT (ML) very pale brown (10 YR 7/4), dense, sl clayey, dry, no odor

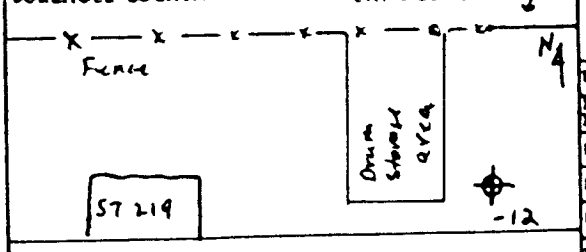
TD at 102 feet

PROFESSIONAL GEOLOGIST
JOSEPH P. PAVLETICH
PG-1000
WYOMING

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION — entrance Gate 2



Concrete apron

Notes: FID only used for screening

Project: KAFB Stage 2B	Borehole/Well No: ST-219-12
	Job No: 2A56
Logged By: L BASILIO	Edited By: JP
Project Manager: K. Walker	Drill Rig: Mobile B-61
Drilling Contractor: ENVIRONMENTAL WEST	
Driller/Helper: R. McKorkle	
Drilling Method: Hollow Stem Auger	
Sample Method: Brass Rings	
Hammer Weight/Drop: 140 lbs / 40 inches	Borehole Diameter: 8" OD
Started, Time: 0845	Date: 7/27/94
Completed, Time: 1500	Date: 7/27/94

~~Blks/FID~~ ppm	2					
~~Temp (ppm)~~ µR/hr	9					
Time	0845					
Date	7/27/94					

Total Depth: 102 FT — Casing Depth:

Screened Interval:

Sand Pack, #3: — #0:

Well Development Method:

Time: — Date: — Flow Rate:

Geophysical Logs, Type:

By: — Date:

Sample ID	Sampler Type / depth	Blows / 6 inch	Inches Driven	Inches Recovered	Sample Condition / ROD	Blks/FID Reading	Analysis		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Context	LITHOLOGIC DESCRIPTIONS
											0			Drill to 10 feet then begin sampling
											1			
											2			
											3			
											4			
											5			
											6			
											7			
											8			
											9			
											10			

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56

Borehole/Well No.: ST-219-12

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/PID	Analysis		Lithology Code	Depth (ft)	Recovery	Contact	
KAFB-ST219 12-7/12			24	23	G	7 3	TCLP		SDVF	10			SAND (SM) reddish yellow (7.5 YR 7/6) vf grain, silty (15%), sl clayey in parts, mod dense, occ ang - subang black lithic fragments (<3mm), dry No odor
			γ=	8		4 2	VOC metal	SVOC		1			
										2			
										3			
										14		?	
													14' ?
			24	18	G	6			SDSL	15			SAND (SM) reddish yellow (5 YR 6/6) vf grained, very silty (>20%), pink (5 YR 8/3) silt inclusions & lam. scattered throughout, mod dense, sand is damp, silt is dry, no odor
			γ=	9						6			
										7			
										8			
										19		?	
													19' ?
KAFB-ST219 12-23/24			24	23	G	2 2	TCLP		SDSL	20			SAND (SM) Strong brown (7.5 YR 5/6) vf grained, very silty (25%), grades to silt in parts, damp, no odor
			γ=	8		3 2	VOC metal	SVOC		1			
										2			
										3			
										4			
										25		?	
													25' ?
			24	18	G	5			SILT	26			SILT (ML) reddish yellow (7.5 YR 6/6 mod dense, denser towards base, sandy at top, 2" thick lithic fragment layer at 26 ft (<3mm), no odor
			γ=	9						7			
										8			
										29		?	
										30			

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BOREHOLE / WELL CONSTRUCTION LOG (cont.) Page 3 of 6

Project / Job No.: KAFB 2B 2A56 | Borehole/Well No.: 57-219-12

Notes: 30'?

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/PID	Analysis		Lithologic Code	Depth (ft)	Recovery	Graphic	Description
KAFB-57219 12-3d32			24	22	G	5 4	TCLP		SAND/SILT	30			SAND (SM) reddish yellow (7.5 YR 6/6) v fine grained, good sort, very silty (25%) grades to silt with depth, mod dense, damp, no odor
			γ=	9		4 2	VOA SVOA metal		SILT	31			
										32			SILT (ML) - A/A, sandy in parts
										33			
										4			
			24	18	G	3			CLAY	35			Clay (CL) yellowish red (5 YR 4/6) stiff to very stiff, silty, dry, pinkish white caliche nodules and laminae scattered throughout, some block staining (< 1 mm)
			γ=	9						6			
										7			
										8			
										9			P.I.
													38.4'?
										40			
KAFB-57219-99-4044			24	21	G	2 2	VOA SVOA		SILT	1			SILT (ML) brown (7.5 YR 5/4) mod dense, clayey to sandy (CL?) in parts, trace to abnd subang lithic fragments at base (5-35 mm), damp, no odor
			γ=	8		2 2	metal metal			2			
KAFB-57219-99-4044			24	22		2 3	TCLP		SILT	3			SILT (ML) A/A more clayey, plastic damp to moist in parts, scattered rounded pebbles at base (2-10 mm) no odor
			γ=	9		2 2	TCLP VOA SVOA			4			
										44.5'			
			24	15	G	7			CLAY/SAND	45			Clay (CL) brown (7.5 YR 5/4), stiff, silty to very silty, scattered black angular fragments (10 mm), dry, no odor.
			γ=	9						46			SAND (SM) yellowish brown (10 YR 5/6) v f grain, good sort, silty (15%) scattered angular pebbles at top (2-4 mm) dry, no odor
										7			
										8			
										9			
										50			

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56 | Borehole/Well No.: SB 2B-12

Notes: —?–44'

Sample ID	Sampler Type	Blows / 6 inch	Inches Driven	Inches Recv'd	Sample Cond.	HNu/PID	Analysis		Lithology Code	Depth (ft)	Recovery	Contact	
KAFB 57219-12-50 SB4 also MS/MSD			24	21	G	15 45	VOC SVOC		SW/SC SAND	50			Sand (SM) yellowish brown (10 YR 5/4) V fine grained, good sort, uncons, sl silty (5-10%), clayey in parts, damp no odor
		γ=	8			22 17	metal metal			1			
			24	22	G	4 4	TCLP		SW/SC SAND	52			Sand (SM) Very pale brown (10 YR 7/3) VF to fine grained, coarse grained at base uncons, mod dense, silty (10%), scattered subang pebbles (2-4 mm), damp no odor
		γ=	9			5 7	TCLP VOC SVOC			3			
										4			
										55			Sand (SM) Pale brown (10 YR 6/3) fine to medium grained, some V f grained poor sort, silty (10-15%), coarser towards base, damp, no odor
			24	15	G	4			SOM-SAND	6			
		γ=	9							7			
										8			
										59			
												?	
KAFB 57219 12-60 62			24	23	G	4 7	TCLP		SOM-SAND	60			Sand (SP) light grey (10 YR 7/1) variegated with white, brown, grey, coarse grained with fine + medium grained poor sort, subang, v sl silty (5%) abundant subrnd granules (2-4 mm) damp, no odor
		γ=	9			7 30	VOC SVOC metal			1			
										2			
										3			
										64			
													—64'
			24	13	G	3			SOC R	65			Sand (SP) A/A, coarse grained 2" thick brown clay parting at 66.5 ft - soft, silty, no odor
		γ=	9							6			
										7			
										8			
										69			
										70		?	

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56

Borehole/Well No.: ST 219-12

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/PID	Analysis		Lithology Code	Depth (ft)	Notes
KAFB-ST219-12-7072		↕	24	22	G	4, 4, 5, 4	TCLP, voc svoc, metal		SDFN-SDCR	70	--- 70' Sand (SP) A/A fine to coarse grained, coarser towards base, uncons, silty in finer sections, scattered subang pebbles (4-20 mm), damp, no odor
			γ=	9							
		↕	24	18	G	4			SDFN	75	--- 75' Sand (SM) Pale brown (10 YR 6/3) fine grained, good sort, uncons, mod dense, silty (10%), trace pebbles (2-4 mm) at top, dry, no odor
			γ:	9							
KAFB-ST219-12-8082		↕	24	19	G	2, 3, 4, 6	TCLP, voc svoc, metals		SDMD	80	--- 80' Sand (SP) light grey (10 YR 7/1) medium grain, some fine + coarse grained, poor sort, abndt pebbles (2-20 mm) sbrnd, dry, no odor
			γ:	8							
		↕	24	15	G	6			SDMD-SDCR	85	--- 84' Sand (SM) light yellowish brown (10 YR 6/4), medium to coarse grained coarser with depth, sl silty (10%) scattered lithic fragments at top (2-8 mm) subrnd, damp, no odor
			γ:	8							
										90	?

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56 | Borehole / Well No.: SB 219-12

Notes: TD = 89'?

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/PID	Analysis		Lithology Code	Depth (ft)	Recovery	Contact	
KAFB-SB219 12-9092			24	22	G	5 8	TCLP		SOMO SOSL	90			Sand (SP) light gray (2.5 YR 7/1) medium to coarser grained, coarser towards top, uncons, fair sort, mod dense, scattered pebbles at top (< 4 mm), dry, no odor
			γ = 8			9 5	VOC SVOC metals			1			
										2			
										3			
										94			
										95			Sand (SM) light grayish brown (10 YR 6/2), medium grained, slightly coarser at top, good sort, clean - no pebbles, sl silty (5-10%) dry, no odor
			24	15	G	4			SOMO	6			
			γ = 8							7			
										8			
										99			
										100			-- 99'
KAFB-SB219 12-102/112			24	19	G	3 3	TCLP		SOSL			SM	Sand (SM) light yellowish brown (10 YR 6/4), very fine grained, good sort, very silty (20-25%) grades to silt in parts, mod dense, dry no odor
			γ = 9			2 2	VOC SVOC metals			1			
										2			TD = 102 ft
										3			
										4			
										5			
										6			
										7			
										8			
										9			
										0			

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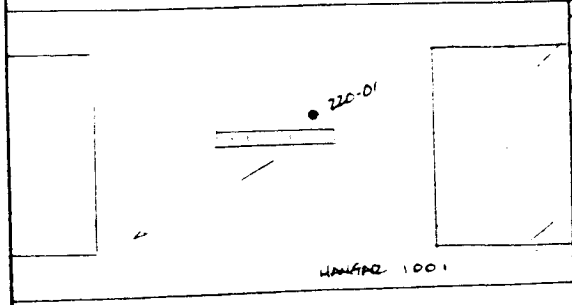
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project	KAFB Stage 2B
Borehole/Well No.	SB220-01
Job No.	2A56
Logged By	J. Pavletich
Edited By	SP
Project Manager	K. Walter
Drill Rig	Geoprobe
Drilling Contractor	BRE
Driller/Helper	~~B. Wolfe~~ S. CARLP
Drilling Method	Geoprobe — Construction Method Code: CV (driven), HA = Hand Augered
Sample Method	LARGE BORE SAMPLER
Hammer Weight/Drop	N.A
Borehole Diameter	1.375"
Started, Time	0910 — Date: 6-13-94
Completed, Time	1235 — Date: 6-13-94

Notes: - CVA NOT OPERATED TODAY, H_2 GAS SUPPLY NOT DELIVERED.

BACKGROUND γ = 8 cpm

HNu/FID	0/—				
β-γ (cpm)	60-100				
Time	0915				
Date	6-13-94				

Total Depth: 16 FT — Casing Depth:

Screened Interval:

Sand Pack, #3: — 00:

Well Development Method:

Time: — Date: — Flow Rate:

Geophysical Logs, Type:

By: — Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses		Lithology Code	Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
													0'-14" CONCRETE
									SM	1			SILTY SAND (SM) BROWN (7.5YR 5/6) MOIST, MED DENSE,
			12	11	G	0/- BZ-0.0 T-12				2			LOW-MOD. EST. 1% VFG SUBANG. SAND. 5-10% CLAY, 15-20% SLT.
										3			5% MA. OCCAS SUBANG. PEBBLES TO 5mm Ø. CALICHE FRAGS TO 4mm Ø.
									SM SW	4			4': SILTY SAND (SM) REDDISH YELLOW (10YR 6/6) MOIST, MED. DENSE
			12	9	G	0/- BZ-0.0 T-11				5			MOD. EST. 1% VFG SUBANG. SAND. 2% CLAY, 15% SLT, 15% FG, 1% MA. RARE SUBANG PEBBLES TO 4mm Ø.
									SW VF	6			
			24	22	G		GRAVS	α B		7			
SB220-01 0709						0/- BZ-0.0 T-B	SAND	SND		8			6.5' SAND (SP) YELLOWISH BROWN (10YR 5/6) MOIST, MED DENSE
							VOC	GRND		9			MOD. EST. 1% VFG SUBANG SAND, 5% SILT, 5% FG, <1% MG
							MOIST	% @	MOIST	10			RARE SUBANG PEBBLES TO 3mm Ø

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56

Borehole/Well No.: SB10-01

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/FID	Analysis		Lithology Code		Depth (ft)	Recovery	Contact	
			12	10	G	0/			SM	F	11			11 SAND (SP) BROWNISH YELLOW (10YR 6/6) MOIST, MED. DENSE, MOD. EST. IK, VFG SUBANG. SAND. 2-3% SILT, 5-10% FINE GRVL & SUBANG PEBBLES TO 5mm ϕ.
											12			
											13			
											14			14.75' SILTY SAND (SM) PALE BROWN (10YR 7/6) MOIST, MOD. DENSE, MOD EST. IK, VFG SUBANG. SAND 10-15% SILT, CALCITE NODULES/PATCHES TO 15mm ϕ
KAFB2ZDM 1/16			24	22	G	0/	GRAB A,B SVOC TCLP VOC GRAB MEDIUM & PA JAR		SM		15			15.25' SILTY SAND (SM) BROWNISH YELLOW (10YR 6/8) MOIST, MOD DENSE-DENSE, MOD. EST. IK, VFG-FG SUBANG. SAND. 10-20% SILT, 2 BOMA.
											16			
											17			
											18			
											19			
											20			
											21			
											22			
											23			
											24			
											25			
											26			
											27			
											28			
											29			
											30			

PROFESSIONAL GEOLOGIST
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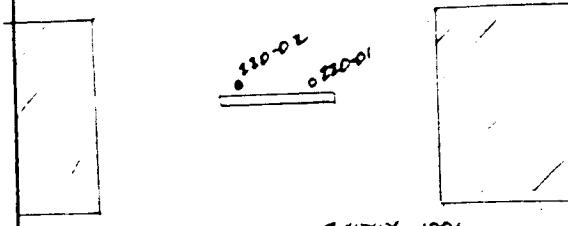
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Notes: N/A NOT OPERATIONAL FOR THIS HOLE

BACKGROUND = 10 mR/HR

Project:	KAFB Stage 2B
Borehole/Well No:	SB220-02
Job No:	2A56
Logged By:	J. Pavlatich
Edited By:	JP
Project Manager:	K. Walker
Drill Rig:	Geoprobe
Drilling Contractor:	BNE
Driller/Helper:	B. Wolfe S. Camp
Drilling Method:	Geoprobe Construction Method Code = V (driven), HA = Hand Augered
Sample Method:	LARGE-BORE SAMPLER
Hammer Weight/Drop:	N/A
Borehole Diameter:	1.375"
Started, Time:	1035 Date: 6-13-94
Completed, Time:	1130 Date: 6-13-94

HNu/PID	0/-					
B-γ (cpm)	40-80					
Time	1035					
Date	6-13-94					

Total Depth: 16 FT Casing Depth:

Screened Interval:

Sand Pack, #3: #0:

Well Development Method:

Time: Date: Flow Rate:

Geophysical Logs, Type:

By: Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/PID Reading	Analyses		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
											0			CONCRETE 0-14"
									SUBL		1			SILTY SAND (SM) BROWN (7.5YR 5/6) MOIST, MOD. DENSE, LOW-MOD. EST. IK, VFG-FG SUBANG. SAND 5-10%
											2			CLAY, 15-20% SILT, 5% MG, OCCAS. SUBTAN PEBBLES TO 5mm Ø STAINED W/ CALICHE
											3			
											4			4'? SAND (SP) YELLOWISH BROWN (10YR 5/6) MOIST, MOD. DENSE, MOD. EST. IK, VFG, SUBANG. SAND. <5% SILT, 10-15% FG. OCAS. CALICHE PATCHES TO 10mm RARE SUBANG. PEBBLES TO 5mm Ø
			12	11	G	0/-					5			
											6			
LARGE-BORE SB220-02-07/11			24	21	G	0/-	GRAVEL, SAND, SILT				7			8.5' SILTY SAND (SM) YELLOWISH BROWN (10YR 5/6) MOIST, MOD. DENSE, LOW-MOD. EST. IK, VFG-FG SUBANG. SAND, 5% CLAY, 15-20% SILT, 2-3% MG
							SILT	DRY	R		8			
								MOIST			9			10' SAND (SP) YELLOWISH BROWN (10YR 5/6) MOIST, MOD. DENSE, MOD. EST. IK, VFG SUBANG SAND. 5% SILT. 10-15% FG. 1% MG. RARE SUBANK PEBBLES TO 4mm Ø
			24	21	G	0/-	GRAVEL		R		10			

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56

Borehole/Well No.: ST220-02

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/PID	Analysis		Lithology Code	Depth (ft)	Recovery	Contact	Notes
		↓					VOC / VOC	GRO / GRO-R	SDVF ↓	11			
										2			
									↓	13		-?-	13'? SILTY SAND (SM) PALE BROWN (10YR ?/6) MOIST, MED. DENSE, MED. EST. IK, VFG-FG SUBANG SAND 10-20% SILT,
									SDSM	14			
KAFB-ST220-02 14/16		↓	24	22	G	0/- BTC 40.0 8:7	GROSS / SVOC / VOC / METALS, Hg, pH MOIST.	α, β / DRO / GRO	↓ SDVF ↓	15		/	15' SAND (SP) YELLOWISH BROWN (10YR 5/6) MOIST, MED. DENSE, MED. EST. IK, VFG SUBANG. SAND 2-3% SILT, 15% FG.
										16			
										7			
										8			
										9			
										0			
										1			
										2			
										3			
										4			
										5			
										6			
										7			
										8			
										9			
										0			

PROFESSIONAL GEOLOGIST
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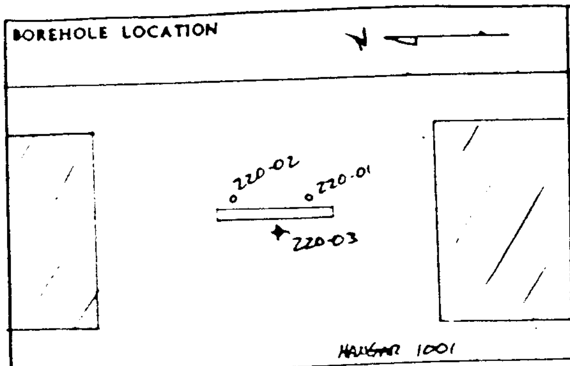
Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG

Borehole/Well No:	ST220-03
Job No:	2A56
Project:	KAFB Stage 2B
Logged By:	J. Pavletich
Edited By:	JP
Project Manager:	K. Walker
Drill Rig:	Geoprobe
Drilling Contractor:	BRE
Driller/Helper:	~~B. Wolfe~~ S. CAMP
Drilling Method:	Geoprobe — Construction Method Code: (V (driven)), HA = Hand Augered
Sample Method:	LARGE BORE SAMPLER
Hammer Weight/Drop:	N.A
Borehole Diameter:	1.375"
Started, Time:	1215 — Date: 6-13-94
Completed, Time:	1345 — Date: 6-13-94

BOREHOLE LOCATION



Notes: OVA NOT OPERATIONAL FOR THIS HOLE

BACKGROUND β-γ 9

HNu/FID	0/-				
β-γ (cpm)	800-930				
Time	1220				
Date	6-13-94				

Total Depth:	16 FT.
Casing Depth:	
Screened Interval:	
Sand Pack, #3:	#0:
Well Development Method:	
Time:	Date: / Flow Rate:
Geophysical Logs, Type:	
By:	Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses		Lithology Code	Depth in Feet	Lithologic Descriptions
										0	CONCRETE 0-4"
									SC	1–2	CLAYEY SAND (SC) YELLOWISH BROWN (10YR 5/6) MOIST, MED. DENSE, LOW EST. IK, VFG-FG SUBANG. SAND. 20-25% CLAY, 20-25% SILT. 1-2% MG. <1% CG. CALICHE PATCHES UP TO 8mm Ø.
			12	9	G	0/- β-γ: 800-830				2–3	
									SM/SL	4	4'? SILTY SAND (SM) YELLOWISH BROWN (10YR 5/6) MOIST, MED DENSE, LOW EST. IK, VFG SUBANG. SAND. 20-25% SILT. 15-20% FG. 1-3% MG. CALICHE PATCHES TO 5mm Ø
			12	10	G	0/- β-γ: 800-910			SM/SL	5–6	5.75' SILTY SAND (SM) YELLOWISH BROWN (10YR 5/6) MOIST. MED DENSE, LOW MED. EST. IK, VFG-FG SUBANG SAND. 10-15% SILT. 1% MG. CALICHE PATCH TO 15mm Ø @ 6 FT
KAFB-ST220-03 0709			24	20	G	0/- β-γ: 800-820	GROSS α, β / SVOC / VOC; METALS, Hg, pH, MOISTURE	TAL / TPH / GRO	SM/SL	8–9	8' SILTY SAND (SM) YELLOWISH BROWN (10YR 5/6) MOIST, MED. DENSE, MED EST. IK, VFG-FG SUBANG. SAND. 5% CLAY, 15-20% SILT, 2% MG.
										10	

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56 | Borehole/Well No.: SS220-03

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recv'd	Sample Cond.	HNu/PID	Analysis		Lithology Code		Depth (ft)	Recovery	Contact	
			12	12	G	0 - Background 1-9					10			10'-11' SAME AS AT B'
											11			
											12			
											13			
											14			
SS220-03-14			24	12	G	0 - Background, 1-7	GRAVEL CLAY SILT MOIST	w/ SAND AND GRAVEL to PEBBLES			15			15.5' SAND (SP) REDDISH BROWN (10YR 5/4) MOIST, MED PACKED, POOR SORT. 1%, VFG, SUBANG. SAND, 2-5% SILT, 15% PG.
											16			
											7			
											8			
											9			
											0			
											1			
											2			
											3			
											4			
											5			
											6			
											7			
											8			
											9			
											0			

PROFESSIONAL GEOLOGIST
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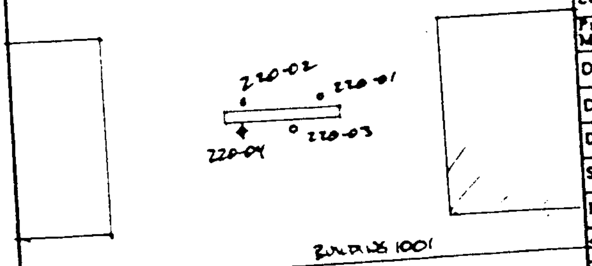
Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG

Field	Entry
Borehole/Well No:	S220-04
Job No:	2A56
Edited By:	JP
Drill Rig:	Geoprobe
Project:	KAFB Stage 2B
Logged By:	J. Pavletich
Project Manager:	K. Walker
Drilling Contractor:	BME
Driller/Helper:	B. Wolfe S. CAMP
Drilling Method:	Geoprobe Construction Method Code √V (driven), HA = Hand Augered
Sample Method:	LARGE BORE SAMPLE
Borehole Diameter:	1.375'
Hammer Weight/Drop:	N.A.
Started, Time:	1350 Date: 6-13-94
Completed, Time:	1500 Date: 6-13-94

BOREHOLE LOCATION N ◁—



HNu/PID	0/-				
β-γ (cpm)	60-100				
Time	1350				
Date	6-3-94				

Notes: OVA NOT OPERATIONAL FOR THIS HOLE

BACKGROUND γ = 8 uR/HR

Field	Entry
Total Depth:	16 FT.
Casing Depth:	
Screened Interval:	
Sand Pack, #3:	#:
Well Development Method:	
Time:	Date:
Flow Rate:	
Geophysical Logs, Type:	Date:
By:	

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/PID Reading	Analyses	Lithology Code	Depth in Feet	LITHOLOGIC DESCRIPTIONS
									0	CONCRETE 0-14"
								SM	1	SILTY SAND (SM) YELLOWISH BROWN (10YR 5/6) MOIST, MED DENSE, LOW EST. DRY/FG-FG SUBANG. SAND 5-40% CLAY, 20-25% SILT, 2% MG. OCCAS. CALICHE FLAKES TO. 5mm φ
		↓	12	12	G	0/- β-γ 60-100			2–3	
								SP/F	4	4'? SAND (SP) YELLOWISH BROWN (10YR 5/6) MOIST, MED. DENSE, MOD. EST. IK. VFG SUBANG. SAND 2-5% SILT, 10% FG. CALICHE PATCH TO. 20mm @ 6 FT.
		↓	12	9	G	0/- β-γ 60-80			5–6	
								SM	6.5	6.5' SILTY SAND (SM) YELLOWISH BROWN (10YR 5/8) MOIST, MED. DENSE, LOW EST. IK, VFG-FG SUBANG SAND 85% CLAY, 15-20% SILT. 1-2% MG
KAFB-S220-04 0709		↓	24	22	G	0/- β-γ 60-80	GROSS α,β; SVOC TPD; VOC AMO; METALS As,pH	SP/F	8–9	8.5' SAND (SP) YELLOWISH BROWN (10YR 5/8) MOIST, MED DENSE MOD. EST. IK, VFG. SUBANG. SAND. 5-10% SILT 1% MG. OCCAS SUBANG. PEBBLES TO 4mm φ
									10	

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56 | Borehole/Well No.: SSZ0-D4

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/PID	Analysis		Lithology Code	Depth (ft)	Recovery	Contact	
			12	11	G	0/-	GRAB	4.8		10			10-11' SAME AS AT 0'
SSZ0-D4-0911			24	22	G	0/	GRAB	4.8		14			
						0/	SVOC	DTO					
						0/	VOC	GTO					
						0/	METAL	Hg, Pb	MOIST	15			15' SILTY SAND (SM) YELLOWISH BROWN (10YR 5/8) MOIST, MINOR LOW. PLAST IR, VFG-FG SUBANG SAND. 2-3% CLAY, 15-20% SILT. 1-2% MG. 1% SUBANG. PEBBLES TO 3cm ϕ.
										16			
										17			
										8			
										9			
										0			
										1			
										2			
										3			
										4			
										5			
										6			
										7			
										8			
										9			
										0			

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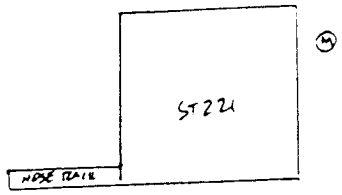
Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION
♦ 221-01



Project: KAFB Stage 2B	Borehole/Well No: ST 221-01
	Job No: 2A56
Logged By: J. Pavlevich	Edited By: JP
Project Manager: K. Walter	Drill Rig: Geoprobe
Drilling Contractor: 3DE	
Driller/Helper: B. Wolfe	
Drilling Method: Geoprobe Construction Method Code: V (driven), HA = Hand Augered	
Sample Method: LARGE-BORE SAMPLER	
Hammer Weight/Drop: NA	Borehole Diameter: 1.375"
Started, Time: 0900	Date: 6-14-94
Completed, Time: 0845	Date: 6-14-94

Notes: B-3

CALCULATIONS B = 9 MR/HR

HNu/PID	0/6				
β-γ (cpm)	60-120				
Time	0800				
Date	6-14-94				

Total Depth: 15 FT
Casing Depth:
Screened Interval:
Sand Pack, #3: #0:
Well Development Method:
Time: Date: Flow Rate:
Geophysical Logs, Type: Date:
By:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/PID Reading	Analysis	Lithology Code	Depth in Feet	Recovery / Sample Loc	Contact	LITHOLOGIC DESCRIPTIONS
												CONCRETE 0-1'
			12	11	6	0/6 BZ 0800 B-3		SM	1			CLAYEY SAND (SC) REDDISH (7.5YR 5/6) MOIST, MED DENSE
									2			DENSE LOW EST. IR, VFG-FG SUBANG. SAND 15-20% CLAY,
												20-25% SILT. 5% MG. OCCAS SUBANG PEBBLES TO 5mm Ø.
									3			OCCAS CALICHE FRAGMENTS TO 8mm Ø.
									4		?	---?
								SM				4.5 SILTY SAND (SM) YELLOWISH BROWN (10YR 5/6) MOIST, MED. DENSE
			12	12	6	0/5 BZ 0810 B-3			5			LOW-MOD EST IR, VFG-FG SUBANG SAND. 10-15% SILT, 5% MG, MOD.
												SUBANG. PEBBLES TO 7mm Ø. MOTTLED W/ CALICHE AT 5.5 & 6 FT.
									6			
									7			7.75 SILTY SAND (SM) YELLOWISH BROWN (10YR 6/4) DRY, DENSE.
												LOW-MOD. EST. IR, VFG SUBANG. SAND. 10-15% SILT, 5-10% FG,
			24	22	6	0/5 BZ 0820 B-3	SOIL CHEM B	SM	8			
							SOIL VOC	SAND				
							METALS, Hg, PCB	MOISTURE	9			COLOR CHANGE AT 9.75 TO YELLOWISH BROWN (10YR 5/4)
									10			

HAND-AUGERED TO 0800

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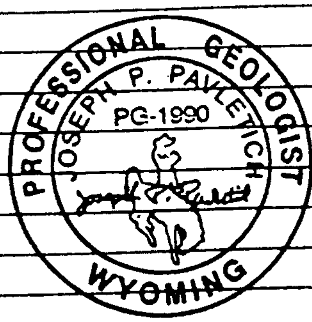
BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56

Borehole/Well No.: ST221-01

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/PID	Analysis		Lithology Code		Depth (ft)	Recovery	Contact	
											11			
										SC	12		? — — ?	12'? CLAYEY SAND (SC) VERY PALE BROWN (10YR 7/4) MOIST, MED. DENSE, LOW EST. K, VFG. SUBANG. SAND. 10-15% CLAY, 15-20% SILT, 5-10% FG. MOTTLED W/ CALICHE
KAFB-ST221-01 1315		↓	24	22	5	0/3.5" BZ=GOOD 8/9	GROSS α β, SVOC PRO, VOC ARO, METALS	Ag Pb	MOIST.	SP	13 – 14		— —	14.25 SAND (SP) STRONG BROWN (7.5YR 5/4) MOIST, DENSE, LOW-MOD EST. K, VFG SUBANG SAND, 10% SILT, 10-15% FG. 1% MG. CALICHE PIECES TO 10mm Ø. SUBANG PEBBLES TO 5mm
											15			
											16			
											7			
											8			
											9			
											0			
											1			
											2			
											3			
											4			
											5			
											6			
											7			
											8			
											9			
											0			



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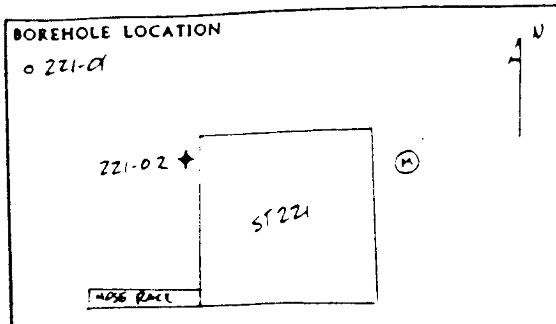
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: ST221-02
	Job No: 2A56
Logged By: J. Pavleuch	Edited By: JP
Project Manager: K. Walter	Drill Rig: Geoprobe
Drilling Contractor: BRE	
Driller/Helper: B. Wolfe	
Drilling Method: Geoprobe Construction Method Code = V (driven), HA = Hand Augered	
Sample Method: LARGE-BORE SAMPLER	
Hammer Weight/Drop: N.A.	Borehole Diameter: 1.375"
Started, Time: 0850	Date: 6-14-94
Completed, Time: 0935	Date: 6-14-94

Notes: E 3

BACKGROUND γ = 9 uR/HR

HNu/FID	0/2.5
β-γ (cpm)	60-80
Time	0850
Date	6-14-94

Total Depth: 15 FT
Casing Depth:
Screened Interval:
Sand Pack, #3: #0:
Well Development Method:
Time: Date: Flow Rate:
Geophysical Logs, Type:
By: Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
											0			CONCRETE 0-20"
			18	18	G	0/2.5 βγ 60-80 7.9			SDNF / SDFN		2			SAND (SP) DARK YELLOWISH BROWN (10YR 4/6) MOIST, MED DENSE, LOW-MOD. EST. K, VFG-FG SUBANG SAND, 10% SILT, 1-2% MG, OCCAS. SUBANG PEBBLES TO 5mmΦ. STAINED W/ CALICHE 2.75-3 FT.
			12	11	G	0/2.5 βγ 60-80 8.9			SDSL		4-5		?	4'? SILTY SAND (SM) YELLOWISH BROWN (10YR 5/6) MOIST, MED DENSE, LOW-MOD. EST. K, VFG-FG SUBANG SAND 2-3% CLAY, 10-15% SILT, 2-3% MG, 1% CG. SUBANG PEBBLES TO 5mmΦ
									SDNF	SDFN	7		?	7'? SAND (SP) LT YELLOWISH BROWN (10YR 6/4) DRY-MOIST, MED DENSE, LOW-MOD. EST. K, VFG-FG SUBANG SAND 5-10% SILT, 1% MG.
KAFB-ST221-02 0810			24	22	G	0/2.5 βγ 40-80 7.9	GROSS α,β / SVOC / VOC / METALS	TPH / GRO / Hg pH	MOIST.	SDSL	9-10			9.75' SILTY SAND (SM) DARK YELLOWISH BROWN (10YR 4/6) MOIST, DENSE, LOW EST. K, VFG-FG SUBANG SAND, 2-3% CLAY, 15-20% SILT, 1% MG. WEATHERED BIOTITE COMMON

Halliburton NUS CORPORATION

BORESHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2AS6

Borehole/Well No.: S221-02

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/FID	Analysis		Lithology & Code	Depth (ft)	Recovery	Contact	
										11			
									SC	12		?	
										13			12'? CLAYEY SAND (SC) YELLOWISH BROWN (10YR5/6) MOIST, MED. DENSE (PW EST. 1K), VFG-FG SUBANG. SAND. 10-15% CLAY, 15-20% SILT. 1-2% MK.
KAFB-S221-02 13.5'		↓	24	21	6	0/2.5' PJ: 2nd θ=?	GROSS α, β SVOC PRO VOC GRO METALS Hg pH	MOIST.	↓	14			
										15			
										6			
										7			
										8			
										9			
										0			
										1			
										2			
										3			
										4			
										5			
										6			
										7			
										8			
										9			
										0			

PROFESSIONAL GEOLOGIST
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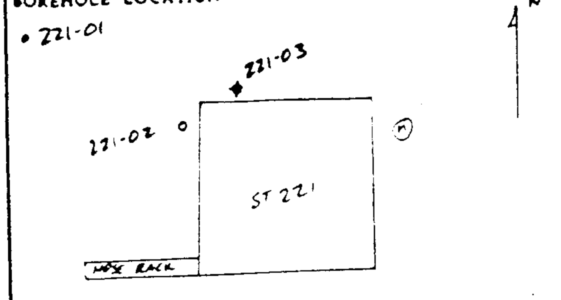
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project	KAFB Stage 2B
Borehole/Well No:	ST221-03
Job No:	2A56
Logged By:	J. Pavletich
Edited By:	[illegible]
Project Manager:	K. Walter
Drill Rig:	Geoprobe
Drilling Contractor:	BRE
Driller/Helper:	B. Wolfe
Drilling Method:	Geoprobe Construction Method Code = V (driven), HA = Hand Augered
Sample Method:	LARGE BORE SAMPLER
Hammer Weight/Drop:	NA
Borehole Diameter:	1.375"
Started, Time:	0935 Date: 6-14-94
Completed, Time:	1045 Date: 6-14-94

HNu/FID	0/2.5				
β-γ (cpm)	60-80				
Time	0935				
Date	6-14-94				

Notes: S 3

BACKGROUND γ = 9 µR/HR

Total Depth:	17 ft
Casing Depth:	
Screened Interval:	
Sand Pack, #3:	#0:
Well Development Method:	
Time:	Date: Flow Rate:
Geophysical Logs, Type:	
By:	Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
											0			CONCRETE 0-17"
									SDSL		2			SILTY SAND (SM) YELLOWISH BROWN (10YR 5/6) MOIST, MED. DENSE, LOW-MOD EST. K. VFG-FG SUBANG SAND. 5% CLAY, 15-20% SILT. 1-2% MG. OCCAS. SUBANG PEBBLES TO 10 mm ϕ
		↓	12	10	6	0/2.5 β-γ: 60-80			↓		3			
									SDSF-SDFN		4			4'? SAND (SP) YELLOWISH BROWN (10YR 5/6) MOIST, MED. DENSE. LOW-MOD. EST. K, VFG-FG SUBANG SAND. 5-10% SILT. 2-3% MG. OCCAS. SUBANG. PEBBLES TO 4 mm ϕ. SLIGHT CALICHE STAINING NEAR 6 FT.
		↓	12	11	6	0/2.5 β-γ: 60-80					5-6			
KAFB-ST221-03-0812 KAFB-ST221-94-0812		↓	24	22	6	0/2.5 β-γ: 60-80	GROSS α, β; SVOC; SVOC; METALS	DRO; DRO-R; Ag pH Hg	↓ SDSL		8-10			9' SILTY SAND (SM) DARK YELLOWISH BROWN (10YR 4/6) MOIST, DENSE, LOW EST K, VFG-FG SUBANG SAND 2-3% CLAY, 15-20% SILT, 1-2% MG. WEATHERED BIOTITE COMMON

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2AS6 | Borehole / Well No.: ST221-03

Notes:

Sample ID	Sampler Type	Blows / 6 inch	Inches Driven	Inches Recv'd	Sample Cond.	HNU/PID	Analysis		Lithology Code		Depth (ft)	Recovery	Contact	
			24	21	G	0.0 / 0.0 / 0.0	GROSS	V.B	R	SDSL	10			10' SILTY SAND (SM) YELLOWISH BROWN (10YR 5/6) MOIST, MED. DENSE, LOW-MOD EST. IR, VFG SUBANG SAND. 10-15% SLT 5% PG.
							METHL	Hg PA	MOIST	R	11			
							VOC	GOOD						
							VOC	GOOD	R		12			
											13			
	MS/MSD		24	22	G	0.0 / 0.0 / 0.0	GROSS	V.B		SDAF				B.5' SAND (SP) LGHT YELLOW BROWN (10YR 6/4) MOIST, MED. DENSE, MOD EST IR, VFG SUBANG SAND, 5-10% SLT, 10% PG 1% MG.
							SVOC	DRUM			14			
KAFB-ST 221-03-13.17 KAFB-ST 221-03-13.17						0.0 / 0.0 / 0.0	SVOC	DRUM	MS/MOD					
							METHL	Hg PA	MOIST		15			15.5' SILTY SAND (SM) YELLOWISH BROWN (10YR 5/4) MOIST, MED. DENSE VFG SUBANG SAND. 2-3% CLAY, 10-20% SLT. 5% PG 1% MG.
			24	21	G	0.0 / 0.0 / 0.0	GROSS	V.B	MG/MOD	SDAF				
							METHL	Hg PA	MOIST	MS/MOD	16			
							VOC	GOOD						16.75' CLAYEY SAND (SC) YELLOWISH BROWN (10YR 5/6) MOIST, DENSE, LOW EST IR. VFG-FG SUBANG SAND. 10-15% CLAY, 15-20% SLT. MOTTLED W/ CALICHE AT 17FT.
							VOC	GOOD	MS/MOD	SDSC	17			
											18			
											19			
											20			
											21			
											22			
											23			
											24			
											25			
											26			
											27			
											28			
											29			
											30			

PROFESSIONAL GEOLOGIST
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WYOMING

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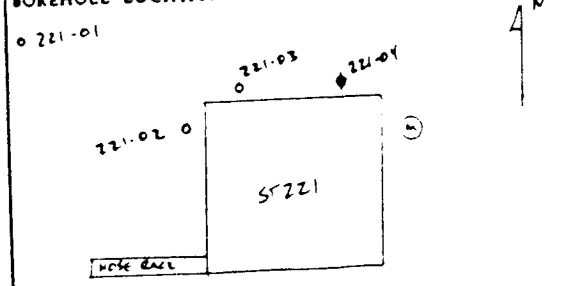
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Borehole/Well No:	ST221- 04
Project:	KAFB Stage 2B
Job No:	2A56
Logged By:	J. Pavletich
Edited By:	JP
Project Manager:	K. Walter
Drill Rig:	Geoprobe
Drilling Contractor:	BRE
Driller/Helper:	B. Wolfe
Drilling Method:	Geoprobe Construction Method Code = √ (driven), HA = Hand Augered
Sample Method:	LARGE-BORE SAMPLER
Hammer Weight/Drop:	NA
Borehole Diameter:	1.375'
Started, Time:	1110
Date:	6-14-94
Completed, Time:	1155
Date:	6-14-94

Notes: B.3'

BACKGROUND γ = 9 μR/HR

HNu/FID	0/3				
β-γ (cpm)	60-80				
Time	1110				
Date	6-14-94				

Total Depth: 15 FT

Casing Depth:

Screened Interval:

Sand Pack, #3: #0:

Well Development Method:

Time: Date: Flow Rate:

Geophysical Logs, Type:

By: Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQC	HNu/FID Reading	Analyses		Lithology Code	Depth in Feet	LITHOLOGIC DESCRIPTIONS
										0–1	CONCRETE 0-9"
									SDSL	2	SILTY SAND (SM) DARK YELLOW BROWN (10YR4/6) MOIST, MED DENSE, MOD. EST. IK. VFG-FG SUBANG SAND 10-15% SILT, 2-3% MG. OCCAS. SUBANG.-SUBRND PEBBLES TO 20mm Ø OCCAS. CALICHE PATCHES TO 8mm Ø.
		↓	6"	6"	G	0/3 AT 60-80 7-8				3	
									SDSL	4	4'? SILTY SAND (SM) YELLOWISH BROWN (10YR 5/6) MOIST, MED. DENSE LOW-MOD. EST. IK, VFG-FG SUBANG. SAND, 15-20% SILT, 5% MG. OCCAS. SUBANG. PEBBLES TO 5mm Ø.
		↓	12	11	G	0/3 AT 60-80 5-6				5–6	
									SDSL	7–8	
KAFB ST221-04 0800		↓	24	22	G	0/3 βγ = 60-80 8-9	GRBS / SVOC / VOC / METALS	0.18 / DRO / GRO / Hg pH	MOIST.	8–10	7.5' SILTY SAND (SM) DARK YELLOW BROWN (10YR 4/4) MOIST, DENSE, LOW EST. IK. VFG, SUBANG SAND, 5-10% CLAY, 15-20% SILT, DISORDERED BIOTITE COMMON. CALICHE NODULES TO 5mm Ø

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56

Borehole/Well No.: STZZ-07

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/PID	Analysis		Lithology Code		Depth (ft)	Recovery	Contact
											1		
											12		?
									SOIL		13		
KAFB-STZZ-07 13/15			24	22	4	0/3 FD=0.0 BG	GROSS	0.1 ppm			14		
							SUOC	NAD					
							VOC	GRO					
							METALS	Hg PAH DIST.			15		
											6		
											7		
											8		
											9		
											0		
											1		
											2		
											3		
											4		
											5		
											6		
											7		
											8		
											9		
											0		

13'? CLAYEY SANDS (SC) LT YELLOWISH BROWN (10YR 6/4) MOIST, MED DENSE - DENSE, LOW EST. IK, VFG SUB ANG. SAND MIXED CLAY, 15-20% SILT

PROFESSIONAL GEOLOGIST
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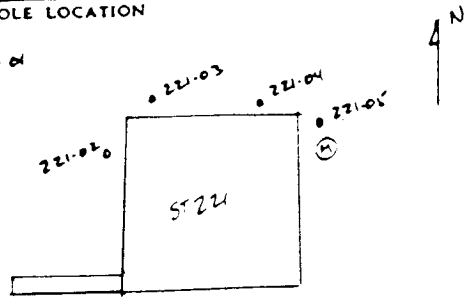
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: SS221-05
	Job No: 2A56
Logged By: J. Pavletich	Edited By: JP
Project Manager: K. Walter	Drill Rig: Geoprobe
Drilling Contractor: BRE	
Driller/Helper: B. Wolfe	
Drilling Method: Geoprobe Construction Method Code: V (driven), HA = Hand Augered	
Sample Method: LARGE-BORE SAMPLER	
Hammer Weight/Drop: NA	Borehole Diameter: 3.75"
Started, Time: 1240	Date: 6-14-94
Completed, Time: 1530	Date: 6-14-94

Notes: @ 13'

BACKGROUND γ = 9 mR/HR

HNu/FID	0/3					
β-γ (cpm)	40-80					
Time	1245					
Date	6-14-94					

Total Depth: 15 FT	Casing Depth:
Screened Interval:	
Sand Pack, #3:	#0:
Well Development Method:	
Time: Date:	Flow Rate:
Geophysical Logs, Type:	Date:
By:	

Sample ID	Sampler Type / depth	Blows / 6 inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact
											0		
											1		
						0/4 (BG) PID=0.0			SM		2		
		6	5	6							3		
											4		
									SM		5		
		12	9	6		2/8 PID=0.0					6		
											7		
									SM		8		
KAFB-SS221-05 0810			24	22	6	0/4 (BG) PID=0.0	GCOC	d.B			9		
							SVOC	DRO					
							VOC	GRO					
							METALS	Hg pest			10		

LITHOLOGIC DESCRIPTIONS

CONCRETE = 0-1.8"

SILTY SAND (SM) YELLOWISH BROWN (10YR 5/4) MOIST, MED DENSE, LOW EST. IK, VFG-FG SUBANG SAND 5-10% CLAY, 10-25% SILT, 1% MG.

SAND (SP) YELLOWISH BROWN (10YR 5/4) MOIST, MED DENSE LOW-MOD. EST IK, VFG SUBROUND SAND. 10% SILT, 20% FG. OCCAS. SUBRND. PEBBLES TO 4mm Ø WEATHERED BIOTITE COMMON. STAINED W/ CALICHE AT 5.2'-5.5 FT.

7.5'? SILTY SAND (SM) DARK YELLOWISH BROWN (10YR 4/4) MOIST, DENSE, LOW-MOD. EST. IK, VFG SUBANG. SAND 5% CLAY, 15-20% SILT, WEATHERED BIOTITE COMMON.

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56

Borehole/Well No.: ST221-05

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/PID	Analysis		Lithology Code		Depth (ft)	Recovery	Contact	Description
											11			
											12			
											13			13.75 CLAYEY SAND (SC) YELLOWISH BROWN (10YR 5/4) MOIST, DENSE LOW EST. K. VFG SUB-ANG SAND, 0-15% CLAY, 10-15% SILT. MOTTLED & STAINED w/ CALICHE, NODULES TO 15+mm Ø
KAFB-ST221-05 13.5		↓	24	22	S	0/4 BT-80-120 7.8	GROSS α B / SVOC DRO / VOC GRO / METALS Hg pH MOISTURE		SC		14			
											15			
											6			
											7			
											8			
											9			
											0			
											1			
											2			
											3			
											4			
											5			
											6			
											7			
											8			
											9			
											0			

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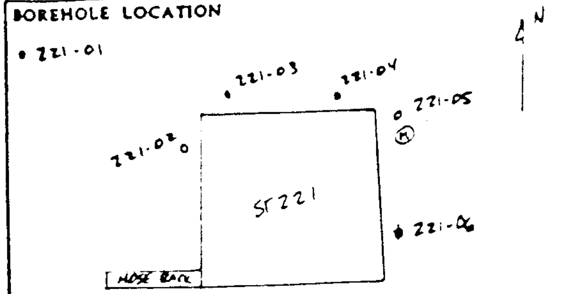
Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: ST221-06
	Job No: 2A56
Logged By: J. Pavletich	Edited By: JP
Project Manager: K. Walter	Drill Rig: Geoprobe
Drilling Contractor: BRE	
Driller/Helper: B. Wolfe	
Drilling Method: Geoprobe Construction Method Code = (V) (driven), HA = Hand Augered	
Sample Method: LARGE-BORE SAMPLER	
Hammer Weight/Drop: NA	Borehole Diameter: 1.375"
Started, Time: 1340	Date: 6-14-94
Completed, Time: 1425	Date: 6-14-94

Notes: E. 3

BACKGROUND γ = 8 µR/HR

HNu/FID	0/4					
β-γ (cpm)	40-80					
Time	1336					
Date	6-14-94					

Total Depth: 15 FT	Casing Depth:
Screened Interval:	
Sand Pack, #3:	#0:
Well Development Method:	
Time: Date:	Flow Rate:
Geophysical Logs, Type:	
By:	Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
											0–1			CONCRETE 0-21"
									SDSL		1–2			SILTY SAND (SM) DARK YELLOWISH BROWN (10YR 3/4) MOIST,
		↓	6	6	G	7/100 βγ=40-100 δ-9					2–3	X		MED DENSE, LOW EST. IK, VFG-FG SUBANG. SAND 5% CLAY, 15-20% SILT 1% MG. MOTTLED W/ CALICHE AT 2.25-2.50 FT SLIGHT ODOR (SOLVENTS?)
									↓		3–4			
									SDMF-SDFN		4–5		4.5'?	4.5'? SAND (SP) YELLOWISH BROWN (10YR 5/6) MOIST, MED.
		↓	12	11	G	0/4.5 βγ=60-100 δ-9					5–6	X		DENSE, LOW-MED. EST. IK, VFG-FG SUBANG. SAND. 2% CLAY 5-10% SILT, 9% MG.
											6–7			
											7–8			
KAFB-ST221-06 08/10		↓	24	22	G	0/1 βγ=40-80 δ-9	GRESS SVOC VOC METALS	α/β DRO GRO Hg pH MOIST.	↓ SDSL		8–10	▮	9'	9' SILTY SAND (SM) DARK YELLOWISH BROWN (10YR 4/4) MOIST, DENSE, LOW EST IK, VFG-FG SUBANG. SAND, 2-3% CLAY, 10-15% SILT, 5% MG 1% CG.

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56 | Borehole/Well No.: SB21-06

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recv'd	Sample Cond.	HNu/FID	Analysis		Laboratory Code		Depth (ft)	Recovery	Contact	
KAFB-SB21-06 15'-15.5'			24	22	G	0/4 PG-4000 BZ	GROSS SVOC VOC METALS	α/β DRO GRO Hg PA		SDNF MOIST	0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000		

13'-14' MIXED W/ CALICHE

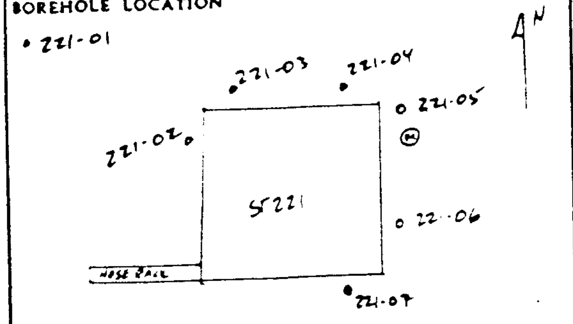
14' SAND (SP) DARK YELLOWISH BROWN (10YR 4/6) MOIST, DENSE, MOD. EST. IN, VFG. SUBANG. SAND. 5-10% SILT PCGS. CALICHE NODULES TO 10mm Φ

PROFESSIONAL GEOLOGIST
JOSEPH P. PAVLETICH
PG-1990
WYOMING

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: SF221-07
	Job No: 2AS6
Logged By: J. Pavletich	Edited By: JP
Project Manager: K. Walter	Drill Rig: Geoprobe
Drilling Contractor: BRE	
Driller/Helper: B. Wolfe	
Drilling Method: Geoprobe Construction Method Code = V (driven), HA = Hand Augered	
Sample Method: LARGE BORE SAMPLER	
Hammer Weight/Drop: N.A.	Borehole Diameter: 3.75"
Started, Time: 1430	Date: 6-14-94
Completed, Time: 1620	Date: 6-14-94

HNu/FID	0/4				
β-γ (cpm)	80-100				
Time	1430				
Date	6-14-94				

Notes:

BACKGROUND γ = 8 µR/HR

Total Depth: 35 FT		Casing Depth:
Screened Interval:		
Sand Pack, #3:		#0:
Well Development Method:		
Time:	Date:	Flow Rate:
Geophysical Logs, Type:		
By:		Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
											0–2			CONCRETE 0-22"
		↓	6"	1"	F	0/4 (βγ-80-100 / γ-9)			SD SC		2–4			CLAYEY SAND (SC) YELLOWISH BROWN (10YR 5/4) MOIST, MED. DENSE, LOW EST. K, VFG-FG SUBANG. SAND, 10-15% CLAY, 15-20% SILT, 1% MG
		↓	12	10	G	0/4 (βγ-60-80 / γ-9)			SDSP		4–8	?		4'? SAND (SP) YELLOWISH BROWN (10YR 5/6) MOIST, MED DENSE MED. EST. K VFG SUBANG. SAND 5-10% SILT, 5-10% FG, 1% MG OCCAS. SUBANG. PEBBLES TO .5 mm Ø MOTTLED W/ CALICHE 5-5.5 FT
KAFB-SF221-07 0910		↓	24	21	G	0.30/10-12% (βγ-80-100 / γ-9)	GROSS ALPHA/BETA, METALS, SVOC, VOC	α,β, Hg, PB, Ag, PB, DRO, GRO	MOIST.	SDSL	8–10			9' SILTY SAND (SM) DARK YELLOWISH BROWN (10YR 4/6) MOIST MED DENSE, LOW EST K, VFG SUBANG SAND 3-5% CLAY 10-20% SILT ±2% MG. WEATHERED BIOTITE COMMON.

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56

Borehole / Well No.: SI 221-07

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recv'd	Sample Cond.	HNu/PID	Analysis		Laboratory Codes		Depth (ft)	Recovery	Contact	
KAFB-SI221-07 19.5			24	21	G	10-100 / 100-800 RF = 10-100 T-9	GROSS	α, β						
							SVOC	DRO						
							VOC	GRO						
							METALS	Hg PP	MOIST.					
											11			
											12			
											13			12.5'? CLAYEY SAND (SC) PALE BROWN (10YR 6/3) MOIST, DENSE
														LOW EST. IK, VFG SUBANG SAND. 10-15% CLAY, 10-20% SILT, 2-3% MG.
											14			MOTTLED WITH CALICHE. STRONG ODOR
											15			
											16			
											17			
											18			
											19			
						0/10 (BKGD) RF = 10-100 T-9								19'? SILTY SAND (SM) YELLOWISH BROWN (10YR 5/6) MOIST,
			12	10	G						20			MED. DENSE, LOW EST. IK, VFG SUBANG SAND. 5% CLAY, 15-20%
											21			SILT. 5% MG.
											22			
														@ 23' SAME AS AT 19 EXCEPT, 5-6% MG. 1-2% CG.
											23			
KAFB-SI221-07-23.7 KAFB-SI221-07-23.27			24	22	G	0/10 RF = 10-100 T-9	GROSS	α, β						24.25 SAND (SP) YELLOWISH BROWN (10YR 5/6) MOIST, DENSE.
							SVOC	DRO						
							VOC	GRO		R	24			LOW-MOD. EST IK, VFG SUBANG SAND. 5-10% SILT, 5% FG.
							METALS	Hg PP	MOIST					WEATHERED ROOTLIKE COMMON
			24	22	G	0/1+5 RF = 100-800 T-8	GROSS	α, β		R	25			
							VOC	GRO						26.5' SILTY SAND (SM) YELLOWISH BROWN (10YR 5/6) MOIST, MED.
							VOC	GRO		R	26			DENSE, LOW EST IK, VFG-FG SUBANG SAND. 5% CLAY, 15-20%
							METALS	Hg PP	MOIST	R	27			SILT. 5% MG. 1% CG. RARE CALICHE NODULES TO 7mm ϕ
											8			
											29			
											30			

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56

Borehole / Well No.: ST22-07

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/FID	Analysis		Lithology Code		Depth (ft)	Recovery	Contact
			12	8	6	0/5 (BKGD) ppm	8.9				31		
											32		
									SM		33		
KAFB-ST22-07 33-35			24	22	6	0/5 (BKGD) 8.8	GROSS	9.8					
							SVOC	TRO			34		
						PID-40-BD	VOC	GRO					
							METALS	Hg pH	MOIST.	SM	35		TD

29' SILTY SAND (SM) YELLOWISH BROWN (10YR 5/8) MOIST, MED DENSE

LOW EST IK, VFG SUBANG. SAND, 2% CLAY, 15-20% SILT. OCCAS.

SUBANG PEBBLES TO 7mm ϕ BLACK STAINED PATCHES TO 3mm ϕ

AT 30.75'

32.5' SILTY SAND (SM) YELLOWISH BROWN (10YR 5/6) MOIST, MED.

DENSE, LOW EST IK. VFG-FG. SUBANG. SAND 5% CLAY, 15-

20% SILT, 3% MG. 1% CG.

34.5 SILTY SAND (SM) DARK YELLOW BROWN (10YR 4/6) MOIST

DENSE, LOW-MOD. EST IK, VFG SUBANG SAND 1-2% CLAY 10-15%

SILT. OCCAS. ANG PEBBLES TO 4mm ϕ.

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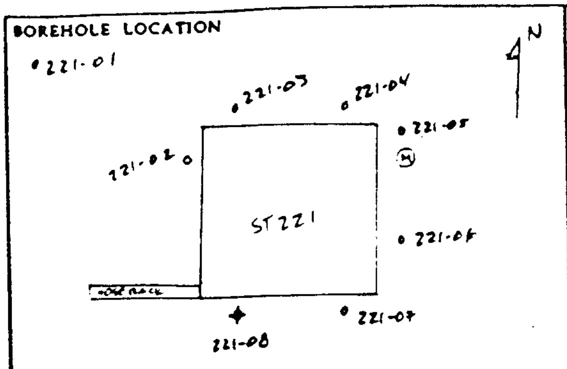
Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project:	KAFB Stage 2B
Borehole/Well No:	ST221-08
Job No:	2A56
Logged By:	J. Pavletich
Edited By:	JP
Project Manager:	K. Walter
Drill Rig:	Geoprobe
Drilling Contractor:	BRE
Driller/Helper:	~~B. Wolfe~~ S. Camp
Drilling Method:	Geoprobe; Construction Method Code = V (driven), HA = Hand Augered
Sample Method:	LARGE-BORE SAMPLER
Hammer Weight/Drop:	N.A.
Borehole Diameter:	3.75'
Started, Time:	0805 Date: 6-15-94
Completed, Time:	0900 Date: 6-15-94

Notes: B. 3

BACKGROUND γ = 9 μR/HR

HNu/FID	0/B4
β-γ (cpm)	40-80
Time	0810
Date	6-15-94

Total Depth: 15 FT. Casing Depth:

Screened Interval:

Sand Pack, #3: #0:

Well Development Method:

Time: Date: Flow Rate:

Geophysical Logs, Type:

By: Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses	Lithology Code	Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
									0–1			CONCRETE 0-22"
			12	12	4	0/B (BKG) βγ 70-80		SC	2–3			CLAYEY SAND (SC) YELLOWISH BROWN (10YR 5/6) MOIST, MED. DENSE, LOW EST. LK. VFG-FG SUBANG SAND 15-20% CLAY, 20-25% SILT, 2-3% MG, 1% CG. MOTTLED & STAINED W/ CALICHE
			12	10	4	0/B (BKG) βγ 40-80		SP/SM	4–6		?	4'? SAND (SP) YELLOWISH BROWN (10YR 5/6) MOIST, MED. DENSE, MOD EST. LK, VFG-FG SUBANG SAND 5-10% SILT, 1% MG <1% CG. CALICHE PATCHES TO 15mm ø AT 5.5 FT.
KAFB ST221-08 0840			24	21	4	0/B (BKG) βγ 40-80	GROSS α β SVOC VOC METALS / α β, GRO, H, H, MOISTURE	SM	8–10			9' SILTY SAND (SM) DARK YELLOWISH BROWN (10YR 4/6) MOIST, MED. DENSE, LOW EST. LK. VFG-FG SUBANG. SAND. 5% CLAY, 15-20% SILT 1% MG, 1% CG. WEATHERED BIOTITE COMMON

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56

Borehole/Well No.: SC221-08

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/FID	Analysis		Lithology Code		Depth (ft)	Recovery	Contact	Notes
											11			
									↓		12		?	12'? SAND (SP) BROWNISH YELLOW (10YR 6/6) MOIST, MED DENSE
									SDVF					MED EST. 1K, VFG SUBANG SAND, 5% SILT, 10% FG, 1% MG, REAC
											13			ANG. PEBBLES TO 3mm Φ
KAFB-ST221-08 13/15		↓	24	22	G	0/8.9 BT:00-08	GROSS α, β			↓				
							SVOC	PRO			14		—	14' CLAYEY SAND (SC) YELLOWISH BROWN (10YR 5/6) MOIST, MED DENSE-
							VOC	GRO		SDVL				DENSE, LOW EST 1K, VFG-FG SUBANG SAND 10-15% CLAY 15-20% SILT
							METALS	Hg, pH, NOCL		↓	15			<2% MG. MOTTLED & STAINED W/ CALICHE
											6			
											7			
											8			
											9			
											0			
											1			
											2			
											3			
											4			
											5			
											6			
											7			
											8			
											9			
											0			

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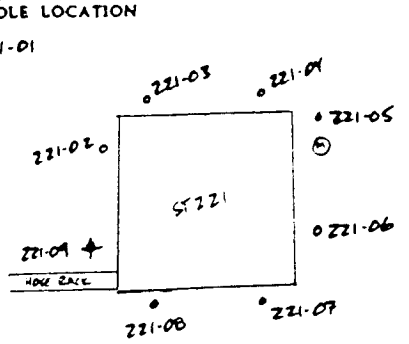
Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: SS221-09
	Job No: 2A56
Logged By: J. Pavletich	Edited By: JP
Project Manager: K. Walter	Drill Rig: Geoprobe
Drilling Contractor: BLE	
Driller/Helper: ~~B. Wolfe~~ S. CALL	
Drilling Method: Geoprobe Construction Method Code = V (driven), HA = Hand Augered	
Sample Method: LARGE-BORE SPLITTER	
Hammer Weight/Drop: N.A.	Borehole Diameter: 1.375"
Started, Time: 0900	Date: 6-15-94
Completed, Time: 0945	Date:

Notes:
0.3

BACKGROUND γ = 9 uR/HR

HNu/FID	0/4.5				
β-γ (cpm)	40-80				
Time	0900				
Date	6-15-94				

Total Depth: 15FT — Casing Depth:
Screened Interval:
Sand Pack, #3: — #0:
Well Development Method:
Time: — Date: — Flow Rate:
Geophysical Logs Type:
By: — Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
														CONCRETE 0-21"
											1			SAND (SM) DARK YELLOW BROWN (10YR 6/4) MOIST, MED DENSE, M
														EST. IR, VFG-FG SUBANG SAND, 2-5% SILT, 1% MG. CRSE SUBANG
			12	12	G	0/3 (BKG=2)			SM/SC		2			PEBBLES TO 4mm Ø.
														2.5' SILTY SAND (SM) REDDISH BROWN (10YR 5/4) MOIST, MED DENSE,
											3			LOW-MOD. EST. IR, VFG-FG SUBANG. SAND, 5-10% CLAY, 15-20% SILT.
														2-3% MG.
											4			
														4' SILTY SAND (SM) YELLOW BROWN (10YR 6/6) MOIST, MED DENSE.
			12	10	G	0/4 (BKG=2)			SM		5			LOW-MOD EST IR, VFG-FG SUBANG. SAND, 5-10% CLAY, 15-20%
														SILT. 2-3% MG. 1% CG. STAINED W/ CALCITE CRYSTALS AND
											6			PEBBLES TO 4mm Ø
											7			
											8			
KAFB-SS221-09 0810			24	24	G	0/4 (BKG=2.0)	GRAIN SIZE	GRAD	SM/SC		9			9.5' CLAYEY SAND (SC) DARK YELLOW BROWN (10YR 4/6) MOIST
							VIS	GRAD						MED. DENSE, LOW EST. IR, VFG SUBANG SAND, 10-15% CLAY, 15-20%
							MOIST	Hy pH	MANGANESE		10			SILT, 5% FG. 2-3% MG, WEATHERED BIOTITE AMPHIBOLE

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No. KAFB 2B 2A56 | Borehole/Well No.: SS221-09

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/PID	Analysis		Lithology Code	USCS	Depth (ft)	Recovery	Contact
											11		
											12		
										SM			
											13		
KAFB-SS221-09 15'5			24	22	G	0/3.5 BZ-BD-100 #9	GROSS	< B					
							SUBCL	NED					
							VOC	GTCD			14		
							MSCNS	Hy PH HYDROCARBS					
											15		
											6		
											7		
											8		
											9		
											0		
											1		
											2		
											3		
											4		
											5		
											6		
											7		
											8		
											9		
											0		

12'? SAND (SP) BROWNISH YELLOW (10YR 6/6) MOIST MED. DENSE, MOD. SRT. IK, VFG SUBANG - SUBRND SAND. 2-3% SILT, 5-10% FG.

14'5" CLAYEY SAND (SC) YELLOWISH BROWN (10YR 5/4) MOIST, MED DENSE, LPW EST. IK. VFG-FG SUBANG SAND 10-15% CLAY 20-25% SILT, 2-3% MG. MOTTLED W/ CALCITE

PROFESSIONAL GEOLOGIST
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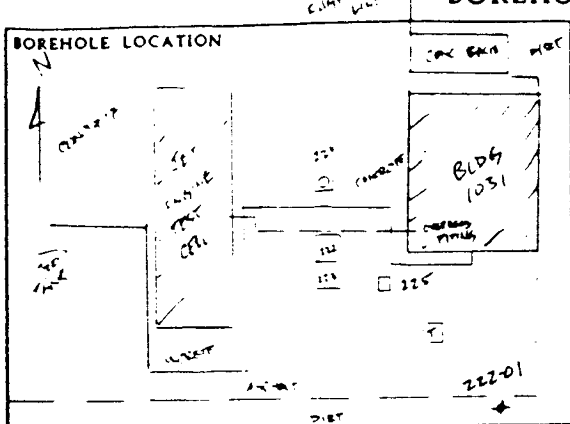
Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: ST222-01
	Job No: 2A56
Logged By: J. Pavletich	Edited By: SP
Project Manager: K. Walter	Drill Rig: Geoprobe
Drilling Contractor: BZE	
Driller/Helper: B. Wolfe	
Drilling Method: Geoprobe Construction Method Code ✓V (driven), HA = Hand Augered	
Sample Method: LARGE-BORE SAMPLER	
Hammer Weight/Drop: NA	Borehole Diameter: 1.375"
Started, Time: 0845	Date: 5-23-94
Completed, Time: 0945	Date: 5-23-94

Notes: 8.3

BACKGROUND γ = 8μR/HR

HNu/FID	0 / 15				
β-γ (cpm)	40-80				
Time	0850				
Date	5-23-94				

Total Depth: 15 FT	Casing Depth:
Screened Interval:	
Sand Pack, #3:	#0:
Well Development Method:	
Time: Date:	Flow Rate:
Geophysical Logs, Type:	
By:	Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
									SP/SM		0			5.?' SAND (SM) BROWN (7.5YR 5/6) MOIST, LOOSE-MED. DENSE LOW EST. K, VFG SUBANG. SAND. 15% SILT, 15-20% FG, 2% MG. OCCAS. ANG. PEBBLES TO 15mm ɸ
									SP/SF-SP/SM		4		?	4'? SAND (SP) YELLOW-BROWN (10YR 6/6) MOIST, MED. DENSE, LOW-MED. EST. K, VFG-FG SUBANG SAND. 5-10% SILT, 5-10% MG. 5% CG. OCCAS. RND-SUBRND PEBBLES TO 10mm ɸ
		↓	12	6	G	0/0					5–6			
KAFB-ST222-01-0812 / KAFB-ST222-01-0812 MS/MSD		↓	24	21	G	0/1.5 / 0:0 / βγ:100-120	SVOC / SVOC / METALS	TPHD / TPHD - MS/MSD / Hg pH MOIST	SW/F		7.5–10			7.5' SAND (SP) YELLOW-BROWN (10YR 5/6) MOIST, MED. DENSE, LOW EST. K, VFG. SUBANG. SAND. 5-10% SILT, 10% FG, 1-2% MG.

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No. KAFB 2B 2AS6

Borehole/Well No. ST222-01

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/FID	Analysis		Lithology Code	(SDVF)	Depth (ft)	Recovery	Contact	Notes
		↓	24	21	G	0/1.5 0.8	METALS	Hg pH	MOIST. -	MS/[illegible]				GRADATIONAL CONTACT
						57-40.60	VOC	GRD		↓ STCL	11			11.5' CLAYEY SILT (ML) DARK YELLOW BROWN (10YR 4/4) MOIST, STIFF
							VOC	GRD -	MS/MSD					V. LOW EST IK 30-40% CLAY, <2% FG-MG.
										↓	12			
										SDVF-SDFN				12.5 SAND (SP) DRK YEL. BRN (10YR 4/4) MOIST, MED DENSE, LOW EST
KAFB-ST222-01-13.5			24	20	G	0/1.5 0.8					13			K VFG-FG SUBANG SAND 10% SILT 2% MG ALTERED BIO'T COMMON
							SVOC	GRD		↓				14' CLAYEY SILT, SAME AS AT 11.5
						70-60.60	VOC	GRD		STCL ↓	14			14.75' SAND (SP) SAME AS AT 12.5 EXCEPT 5% SILT
		↓					METALS	Ag pH	MOIST.	SDVF-SDFN			TF	
											15			
											16			
											17			
											18			
											19			
											20			
											21			
											22			
											3			
											4			
											5			
											6			
											7			
											8			
											9			
											0			

PROFESSIONAL GEOLOGIST
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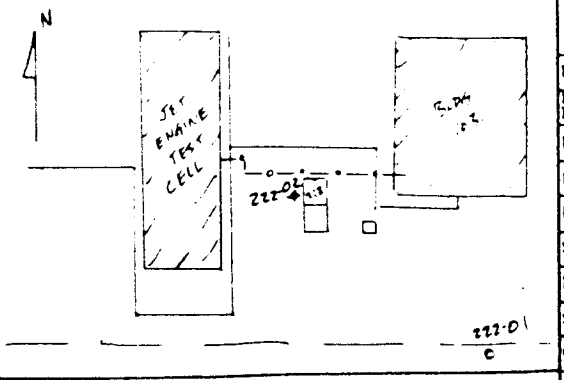
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: ST 222-02
	Job No: 2A56
Logged By: J. Pavletich	Edited By: JP
Project Manager: K. Walter	Drill Rig: Geoprobe
Drilling Contractor: B&B	
Driller/Helper: B. Wolfe	
Drilling Method: Geoprobe Construction Method Code: V (driven), HA = Hand Augered	
Sample Method: LARGE BORE SAMPLER	
Hammer Weight/Drop: NA	Borehole Diameter: 1.375"
Started, Time: 0950	Date: 5-23-94
Completed, Time: 1005	Date: 5-23-94

Notes: B.B

BACKGROUND @ = 8.8/HR

HNu/FID	0/1					
B-γ (cpm)	40-50					
Time	0950					
Date	5-23-94					

Total Depth: 15 FT | Casing Depth:

Screened Interval:

Sand Pack, #3: #0:

Well Development Method:

Time: Date: Flow Rate:

Geophysical Logs, Type:

By: Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
									SP/					ASPHALT 0-4"
											1			SILTY SAND (SM) BROWN (7.5YR 4/4) MOIST, MED DENSE, LOW PLAST.
														1ft. VF-FG SUBANG SAND 5% CLAY, 15-20% SILT 5% MG 1-2% CG,
											2			CG-VCG. SUBANG PEBBLES TO 5mm & CALICHE BLEBS TO 7mm Ø
											3			
											4			
									SP/SM					
			2	8	4	0/10					5			4'7" SAND (SP) YELL-BRN (10YR 5/4) MOIST, MED DENSE, LOW PLAST. 1ft
														FG-MG SUBANG SAND, 5-10% SILT, 15% VFG, 10% CG 5-10%
											6			VCG. ANG. PEBBLES TO 15mm Ø COMMON (FILL MATERIAL?)
											7			
									SM/F					
											8			7.5' SAND (SP) YELL-BRN (10YR 5/6) MOIST, MED. DENSE, LOW-MED PLAST.
KAFB-ST222-02 08/10			24	18	4	0/10	CARB	MOD						1ft VFG SUBROUND SAND 5-10% SILT, 15% FG, 1-2% MG,
							VOC	GOOD			9			
							MOIST	MOIST						
											10			

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No. KAFB 2B 2A56 | Borehole / Well No. SS222-02

Notes:

Sample ID	Sample Type	Blows / 6 Inch	Inches Driven	Inches Recv'd	Sample Cond.	HNu/PID	Analysis		Lithology Code		Depth (ft)	Recovery	Contact
									SCL		11		
											12		?
KAB-SS222-02 13/5			24	22	G	0/1.0 MS 60-80, 2-PL					13		
											14		
									500'		15		
											6		
											7		
											8		
											9		
											0		
											1		
											2		
											3		
											4		
											5		
											6		
											7		
											8		
											9		
											0		

12'? CLAYEY SILT (ML) BROWN (7.5YR 4/6) STIFF, LOW EST. IK

50-60% CLAY 5% VFG-FG SUBROUND SAND

14.75 SILTY SAND (SM) DK YELL BRN (10YR 4/6) MOIST MED DENSE,

LOW EST. IK, VFG SUBRND SAND, 10% CLAY, 15-20% SLT, M PLASTICITY

BIOTITE OBSERVED

PROFESSIONAL GEOLOGIST
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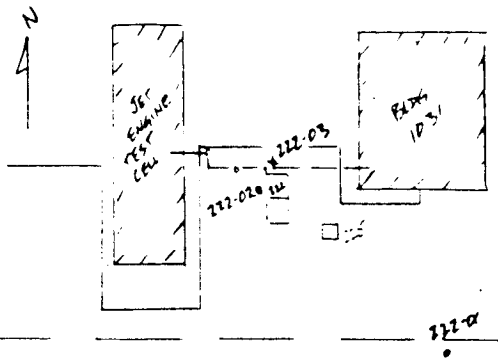
WYOMING

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: SS222-03
	Job No: 2A56
Logged By: J. Pavletich	Edited By: JP
Project Manager: K. Walter	Drill Rig: Geoprobe
Drilling Contractor: TSLE	
Driller/Helper: B. Wolfe	
Drilling Method: Geoprobe Construction Method Code = D (driven), HA = Hand Augered	
Sample Method: LINER-BRASS SAMPLER	
Hammer Weight/Drop: NA	Borehole Diameter: 1.375"
Started, Time: 1040	Date: 5-23-94
Completed, Time: 1120	Date: 5-23-94

Notes: B-3

BACKGROUND β = 8cpm/HB

HNu/FID	0/1.0					
β-γ (cpm)	80-100					
Time	1042					
Date	5-23-94					

Total Depth: 15 FT | Casing Depth:

Screened Interval:

Sand Pack, #3: #0:

Well Development Method:

Time: Date: Flow Rate:

Geophysical Logs, Type:

By: Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
									SM					ASPHALT 0-4"
											1			SILTY SAND (SM) BROWN (7.5YR 4/4) MOIST, MED. DENSE,
														LOW EST. IK, VFG-FG SUBANG. SAND, 5-10% CLAY, 15-20% SILT,
											2			5% MG, 1-2% CG, ANG. TO SUBRND PEBBLES TO 10mm Ø, CALICHE
														NODULES TO 3mm Ø COMMON
											3			
											4		?	
									SM					4'? SILTY SAND (SM) LT YELL-BROWN (10YR 6/4) MOIST, MED. DENSE,
			12	5	6	0/10					5			LOW EST. IK, VFG-FG, SUBANG. SAND, 15% SILT, 5% MG, 1-2% CG,
						89-0-0-0 B=8								STAINED W/ CALICHE. ANG. CALICHE NODULES TO 5mm Ø
											6			
									SM		7			7' SAND (SP) YELL-BRN (10YR 5/6) MOIST, MED. DENSE, LOW EST IK,
														VFG SUBRND SAND, 5% SILT, 10% FG, 1-2% MG-CG,
			24	10	6						8			
SS222-05 0/10						0/10	SAOC	DRO			9			9.5' SAND (SP) BROWN (7.5YR 5/6) MOIST, MED. DENSE, LOW EST.
						89-0-0-0 B=8	VOC	GRO						IK, 1% SUBANG. SAND, 5% SILT, 3% FG,
							MERC	DIESEL			10			

SM

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2AS6

Borehole / Well No.: ST222-03

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/FID	Analysis		Lithology Code	(SOFT)	Depth (ft)	Recovery	Contact
											11		
										↓	12		?- - -?
										SCL			
											13		
KAFB-ST222-08 13.5		↓	24	21	G	0/ BT-60 B, 0.8 BT	SVE	DDD				X	
							VOC	GRO		↓	14		- -
							TEXAS	Hg pH	MOIST				
										SOLID	15		
											6		
											7		
											8		
											9		
											0		
											1		
											2		
											3		
											4		
											5		
											6		
											7		
											8		
											9		
											0		

12? CLAYEY SILT (ML) BROWN (7.5YR 5/6) DAMP, LOW EST IK
30-40% CLAY 5-10% VFS, WEATHERED BIOTITE COMMON

14.75 SILTY SAND (SM) YELL-BRN (10YR 5/6) MOIST, MED. DENSE
LOW EST. IK, VFG SUBANG. SAND. 5-10% CLAY, 15-20% SILT,
WEATHERED BIOTITE COMMON

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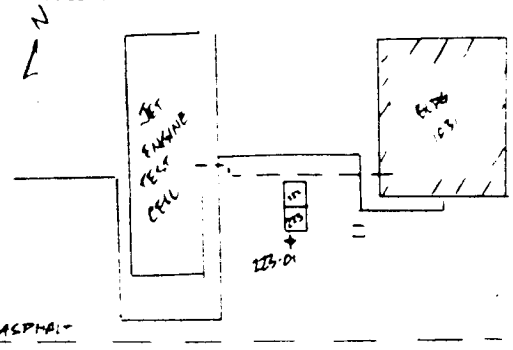
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: SF223-01
	Job No: 2A56
Logged By: J. Pavletich	Edited By: JP
Project Manager: K. Walter	Drill Rig: Geoprobe
Drilling Contractor: BRE	
Driller/Helper: B. Wolfe	
Drilling Method: Geoprobe Construction Method Code: GY (driven), HA = Hand Augered	
Sample Method: LARGE-BORE SPLIT SPOON	
Hammer Weight/Drop: NA	Borehole Diameter: 1.375"
Started, Time: 1226	Date: 5-23-94
Completed, Time: 1550	Date: 5-23-94

Notes: BACKGROUND δ = 8.2/HB

HNu/FID	0/15					
β-γ (cpm)	60-80					
Time	1226					
Date	5-23-94					

Total Depth: 21 FT | Casing Depth:

Screened Interval:

Sand Pack, #3: #0:

Well Development Method:

Time: Date: Flow Rate:

Geophysical Logs, Type:

By: Date:

Sample ID	Sampler Type / depth	Blows / 6 inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
									SM		0			ASPHALT 0-4"
														SILTY SAND (SM) BROWN (7.5YR 5/6) MOIST, MED DENSE, LOW EST. IK, VFG SUBANG. SAND, 15% SILT, 15-20% FG, 1-2% MG,
											1			
											2			
											3			
									SM		4		?	
		12	5	4		1/1.5 HB-Bore 8.9					5			? SILTY SAND (SM) BROWN (7.5YR 4/6) MOIST, MED. DENSE, LOW EST IK, VFG-MG SUBANG. SAND, 15% SILT, 5% MG. CALICHE
											6			CEMENTED PACKETS TO 15mm ϕ.
											7			
											8			
						0/1.5 HB-Bore 8.0					9			8.5' SAND (SP) BROWN-YELLOW (10YR 6/6) MOIST, MED DENSE, LOW-MOD EST. IK, VFG-FG. SUBANG. SAND, 6.5% SILT, 1% MG, 1% CG
		12	7	4					SM	SM	10			

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No. KAFB 2B 2A56 | Borehole/Well No. ST223-01

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/PID	Analysis		Lithology Code	(Stratum Symbol)	Depth (ft)	Recovery	Contact	Notes
											0			
											1			
											2			
											3			
											4			
											5			
											6			
											7			
											8			
											9			
											10			
KAFB-ST223-01 11'5			24	22	6	0/15 ppm 0.8	SVOC	DRO		SOSL	11			11' SLTY SAND (SM) YE. BRN (10YR 5/6) MOIST MED. DENSE LOW EST.
							VOC	GRO	—		12			1K, VFA-FG SUBANG SAND 5% CLAY, 15-20% SILT. 2-3% MX.
							METALS	Hg ppt	MOIST.	SCL	13			XXDC. SUB ANG PEBBLES TO 5mm.
														13.5' GRADATIONAL CONTACT
														13.5' CLAYEY SILT (ML) BROWN (7.5YR 4/6) MOIST. MED STIFF
														V. LOW EST. 1K, 30-40% CLAY. XXDC CALICHE PATCHES TO 8mm ϕ
											14			
										SSIP				14'? SAND (SP) DARK YEL-BRN (10YR 4/6) MOIST, MED. DENSE
											15			LOW EST. 1K VFG SUBROUND SAND 5-10% SILT 5% FG,
		2	9	6		0/1.5 ppm 0.8			—	SCL				15.5' CLAYEY SAND (SC) DRK YEL BROWN (10YR 4/4) MOIST, MED
											16			DENSE. LOW EST 1K VFG SUBANG SAND 15-20% CLAY, 20% SILT,
											17			
											18			
											19			
KAFB-ST223-01 12'5			24	22	6	0/1.5/AMBIENT 0.8			—		20			20'5" SILTY SAND (SM) YEL-BRN (10YR 5/6) MOIST, MED DENSE DENSE
											21			LOW EST. 1K, VFG SUBANG. SAND, 10% CLAY, 20-25% SILT,
														SPARSE W/ CALICHE
											22			
											3			
											4			
											5			
											6			
											7			
											8			
											9			
											0			

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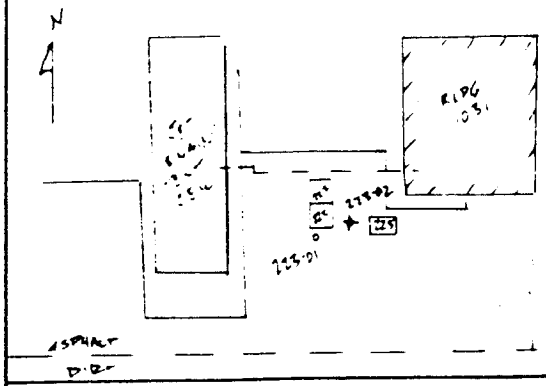
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: SB223-02
	Job No: 2A56
Logged By: J. Pavletich	Edited By: JP
Project Manager: K. Walter	Drill Rig: Geoprobe
Drilling Contractor: BJE	
Driller/Helper: B. Wolfe	
Drilling Method: Geoprobe Construction Method Code = V (driven), HA = Hand Augered	
Sample Method: LINER-BARE SAMPLER	
Hammer Weight/Drop: NA	Borehole Diameter: 1.375"
Started, Time: 1330	Date: 5-23-94
Completed, Time: 1430	Date: 5-23-94

Notes: BACKGROUND 8 = 7.5 uR/hr

HNu/FID	0/15					
β-γ (cpm)	40-80					
Time	1330					
Date	5-23-94					

Total Depth: 21 FT | Casing Depth:

Screened Interval:

Sand Pack, #3: #0:

Well Development Method:

Time: Date: Flow Rate:

Geophysical Logs, Type:

By: Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
									SAND					ASPHALT 0-4"
											1			SILTY SAND (SM) BROWN (7.5YR 5/6) MOIST, MED DENSE LOW EST. IK, VFG SUBANG. SAND 15% SILT, 15-20% FG, 1-2% MG
											2			
											3			
											4			
									SAND				?	4'? SILTY SAND (SM) YELL-BRN (10YR 5/4) MOIST, MED. DENSE, LOW
			12	6	4	0/1.0 (BN: 40-80)	7.5				5			EST. IK, VFG-FG, SUBANG. SAND. 5% CLAY, 15-20% SILT, 2% MG, 1% CG,
											6			SUBANG. PEBBLES TO 1.5cm COMMON (BACKFILL?)
											7			
											8			
						0/10 (BN: 40-80)	8				9			9.5' SAND (SP) BROWN-YELLOW (10YR 6/6) MOIST, MED. DENSE
			12	5	4				SAND	SAND				LOW-MOD. EST IK, VFG-FG SUBANG. SAND. 5-10% SILT, 1-2% MG, 1% CG. RARE CHD PEBBLES TO 7cm ϕ
											10			

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No. KAFB 2B 2A56 | Borehole / Well No. SI223-02

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/PID	Analysis		Lithology Code		Depth (ft)	Recovery	Contact
KAFB-SI223-02-11½-			18	22	4	0/10 0.0 0.0 0.0	SVOC	DRO	SDNF SDN2	SDNF SDN2	11 12 13		
							VOC	GRO			14 15		
							METALS	Hg only	MOIST	SDNF SDN2	16 17		
KAFB-SI223-02-19½			24	20	6	1/10 0.0 0.0 0.0	SVOC	DRO		SDN1	18 19 20		
							VOC	GRO			21		
							METALS	Hg only	MOIST	SDN2	2 3 4 5 6 7 8 9 0		

11'? SAND (SP) YEL-BRN (10YR 5/6) MOIST, MED. DENSE, LOW EST IK, VFG-FG SUBANG SAND, 10% SILT, 5% MG, 10% CG, WEATHERED ELUVITE COBBLES

14' SAND (SP) DRK YEL-BRN (10YR 4/6) MOIST, MED DENSE, LOW EST. IK, VFG-FG SUBANG. SAND 5% CLAY, 10% SILT WEATHERED ELUVITE COBBLES

18'? SILTY SAND (SM) DRK YEL-BRN (10YR 4/4) MOIST, MED. DENSE, LOW EST IK, VFG-FG SUBANG SAND, 10% CLAY, 20-25% SILT 1-2% MG.

20.75' SILTY SAND (SM) YEL-BRN (10YR 5/4) MOIST, DENSE, LOW EST IK, VFG SUBANG. SAND, 5-10% CLAY, 15-20% SLT

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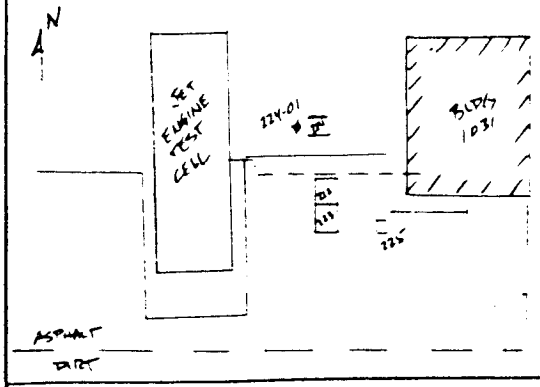
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: SB224-01
	Job No: 2A56
Logged By: J. Pavletich	Edited By: JP
Project Manager: K. Walker	Drill Rig: Geoprobe
Drilling Contractor: BASE	
Driller/Helper: ~~B. Wolfe~~ S. CAMP	
Drilling Method: Geoprobe Construction Method Code: DV (driven), HA = Hand Augered	
Sample Method: LARGE BORE SAMPLER	
Hammer Weight/Drop: NA	Borehole Diameter: 1.375"
Started, Time: 0800	Date: 5-24-94
Completed, Time: 0930	Date: 5-24-94

Notes: 9,16

BACKGROUND @ = 8 cpm/HR

HNu/FID	0/2						
B-γ (cpm)	60-80						
Time	0802						
Date	5-24-94						

Total Depth: 10 FT | Casing Depth:

Screened Interval:

Sand Pack, #3: #0:

Well Development Method:

Time: Date: Flow Rate:

Geophysical Logs, Type:

By: Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analytes		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
														CONCRETE 0" - 8"
		↓	6	4	G	0/1 BZ=8/HR			SDSL		1			SILTY SAND (SM) YEL-BRN (10YR 5/4) MOIST, MED. DENSE,
														LOW EST. IL, VFG-FG SUBANG. SAND, 5-10% CLAY, 20-25% SILT, 5% MC.
											2			1-2% CG MOTTLED W/ CA CMTS
											3			
											4		?	
									SDSL-SDFN					
		↓	12	10	G	0/1 BZ=8/HR					5		?	4'? SAND (SP) YEL-BRN (10YR 5/4) MOIST, MED. DENSE, LOW EST
											6			IL. VFG-FG, SUBANG, SAND, 5-10% SILT, 1-3% MG, <1% CG. CALCITE
														PATCHES TO 15cm Ø
											7			
											8			
											9			
MW8-SB224-01 0N		↓	24	22	G	0/1.8 (10-12) 2.9	SVOC	TOC			10			

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56

Borehole/Well No.: SF224-01

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/PID	Analysis		Lithology Code	(SDVF-SDFN)	Depth (ft)	Recovery	Contact
		↓					VOC	GRO		↓			
							METALS	Hg pH	MOIST	SDVF	11		
											12		
											13		
										↓	14		
										SDVF SDFN			
		↓	12	11	G	0/1 BKG 8.9 (BOY10)					15		
KAFB-SF224-01 16/18		↓	24	22	G	0/1 BKG 8.9	SVOC	DRO		STCL	16		
							VOC	GRO			17		
							METALS	Hg, pH	MOIST.	↓	18		
											19		
											20		
											21		
											2		
											3		
											4		
											5		
											6		
											7		
											8		
											9		
											0		

10.75' SAND (SP) YELL BRN (10YR 5/6) MOIST, DENSE, LOW EST IK
VFG SUBANG SAND 5% SILT, 10-15% FG, 12 MG ... SUBANG ...
TO ...

14.?' SAND (SP) DRK YELL-BRN (10YR 4/6) MOIST, MED. DENSE, LOW-MED
EST. IK, VFG-FG SUBANG SAND, 5-10% SILT, 10-15% FG.

16.25' CLAYEY SILT (ML) DRK YELL-BROWN (10YR 4/6) MOIST DAMP.
V LOW EST. IK 30-40% CLAY, 5-10% VFG.

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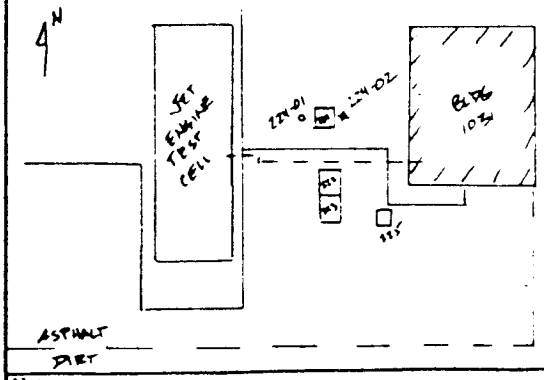
Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: SS 224-02
	Job No: 2A56
Logged By: J. Pavletich	Edited By: JT
Project Manager: K. Walter	Drill Rig: Geoprobe
Drilling Contractor: BJE	
Driller/Helper: B. Wolfe	
Drilling Method: Geoprobe Construction Method Code: AV (driven), HA = Hand Augered	
Sample Method: LAKE-BORE SAMPLER	
Hammer Weight/Drop: N.A	Borehole Diameter: 1.375"
Started, Time: 0920	Date: 5-24-94
Completed, Time: 1140	Date: 5-24-94

Notes: 5,16

BACKGROUND B = B=0/HQ

HNu/FID	0/1					
B-γ (cpm)	60-80					
Time	0931					
Date	5-24-94					

Total Depth: 18FT	Casing Depth:
Screened Interval:	
Sand Pack, #3:	#0:
Well Development Method:	
Time: Date:	Flow Rate:
Geophysical Logs, Type:	
By:	Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
									SM					CONCRETE 0'-.8'
											1			SILTY SAND (SM) YELL-BRN (10YR 5/4) MOIST, MED. DENSE
														LOW EST. IK, VFG-FG SUBANG SAND 5-10% CLAY, 20-25% SILT, 5% MG
											2			1-2% CG MOTTLES W/ CALICHE
											3			
											4		?	
									SDNF-SDAV					4'? SAND (SP) REDDISH YELLOW (10YR 6/6) MOIST MED. DENSE,
			12	9		0/1 SS: BASE 0.8					5			MOD. EST. IK, VFG-FG SUBANG SAND. 5% SILT, 1-2% MG. OCCAS.
											6			GRAVEL, PEBBLES TO 5mmØ
											7			
											8		?	
									SDNF-SDAV					8': SILTY SAND (SM) LIGHT YEL-BRN (10YR 6/4) MOIST, MED. DENSE
KAFB-SS224-02 0911			24	22	G	0/1 FB: BASE 9.5	SIEVE	TOC			9			LOW EST. IK, VFG-FG SUBANG. SAND. 15% SILT 1% MG, MOTTLED W/ CALICHE
											10			

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2AS6

Borehole/Well No.: ST 224-02

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/FID	Analysis		Lithology Code	(SAT-SDN)	Depth (ft)	Recovery	Contact	Notes
		↓					VOC	GRO		↓				10.75 CLAYEY SAND (SC) DRK YELL BRN, MOIST MED DENSE, LOW
							METALS	Hg pH	MOIST,	SDCL	11			EST IF. VFG SUBANG SAND, 20-25% CLAY, 20-25% SILT. 5-10% FG
											12			
											13			
										↓	14			
						0/1 PT: 6/18 7:8				SDVF				14' ? SAND (SP) DRK YELL-BRN (10YR 4/6) MOIST, MED DENSE, LOW
		↓	12	9	6						15			EST. IK VFG SUBRND SAND, 5% SILT 15-20% FG.
KAFB-ST224-02 16/18		↓	24	22	6					SDCL	16			16' CLAYEY SAND (SC) DRK YELL-BRN (10YR 4/6) MOIST, MED. DENSE
						0/1 PT: 6/18 9:0	SVOC	DRO						LOW EST IK, VFG-FG SUBANG SAND 20% CLAY, 20-25% SILT.
							VOC	GRO			17			BIOTITE COMMON.
		↓					METALS	Hg, pH	MOIST	SDCL				17.75 CLAYEY SILT (ML) DRK YELL-BRN (10YR 4/4) MOIST, STIFF, LOW
											18			EST. IR, 30-40% CLAY. 10% VFG. CALICHE PATCHES TO BASE
											9			
											0			
											1			
											2			
											3			
											4			
											5			
											6			
											7			
											8			
											9			
											0			

PROFESSIONAL GEOLOGIST
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PG-1990
WYOMING

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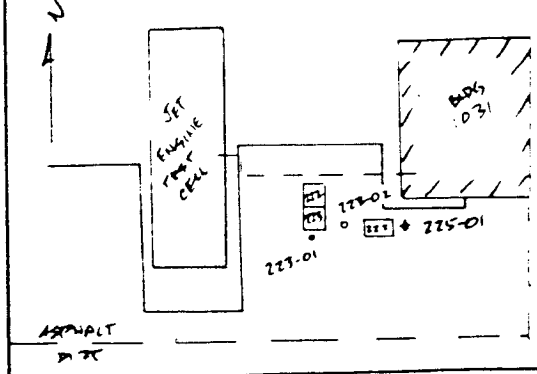
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: SB225-01
	Job No: 2A56
Logged By: J. Pavletich	Edited By: JP
Project Manager: K. Walter	Drill Rig: Geoprobe
Drilling Contractor: BJSE	
Driller/Helper: B. Wolfe	
Drilling Method: Geoprobe Construction Method Code = N (driven), HA = Hand Augered	
Sample Method: LARGE BORE SAMPLER	
Hammer Weight/Drop: N.A.	Borehole Diameter: 1.375"
Started, Time: 1430	Date: 5-23-94
Completed, Time: 1535	Date: 5-27-94

Notes: 11, 19

BACKGROUND β = 0 mR/HR

HNu/FID	0/1.0					
β-γ (cpm)	60-100					
Time	1430					
Date	5-23-94					

Total Depth: 21FT | Casing Depth:

Screened Interval:

Sand Pack, #3: #0:

Well Development Method:

Time: Date: Flow Rate:

Geophysical Logs, Type:

By: Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact
									SW		1		
											2		
											3		
											4		
									SW		5		
			12	4	4	0/1.0 (BZ-0.0)					6		
											7		
											8		
											9		
			12	12	4	0/1.0 (BZ-0.0)			SW		10		

LITHOLOGIC DESCRIPTIONS

ASPHALT 0"-4"

SILTY SAND (SM) BROWN (7.5YR 5/6) MOIST, LOOSE DENSE

LOW EST. IK, VFG SUBANG. SAND, 15-20% SILT, 15-20% FG, 1-2% MG.

4' SAND (SW) YEL-BRN (10YR 5/4) MOIST, LOOSE-MOD. DENSE

LOW-MOD. EST IK, FG SUBANG. SAND. 5-10% SILT, 10-15% VFG. 10% MG, 1-2% CG. 1% ANG. PEBBLES TO 7mm ϕ CALICHE PIECES TO 7mm ϕ

9' SAND (SP) YEL-BROWN (10YR 5/6) MOIST, MED. DENSE

LOW EST IK, VFG SUBANG SAND. <5% SILT 10% FG.

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56 | Borehole/Well No.: SB25-01

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/PID	Analysis		Lithology Code		Depth (ft)	Recovery	Contact
KAFB-SB25-01-11.5 KAFB-SB25-99-11.5			24	22	G	0/0	SVOC	DRO		SDFN	11		
							SVOC	DRO-R			12		
							METALS	Hg PH	MOIST		13		
			24	18	G	0/0				SDNF	14		
											15		
											16		
											17		
											18		
										SDNF SDFN	19		
KAFB-SB25-01 11.5'			24	22	G	0/0.0	SVOC	DRO			20		
							VOC	GRO					
							METALS	Hg PH	MOIST	SDFN	21		
											2		
											3		
											4		
											5		
											6		
											7		
											8		
											9		
											0		

11.5' SAND (SW) YEL-BRN (10YR 5/4) MOIST, MOD. DENSE, LOW EST IR FG SUBANG SAND, 5% SILT, 10-15% VFG, 5% MG, 1-2% CG, [illegible] EXPOSITE COMMON

14' SILTY SAND (SM) PALE YEL-BRN (10YR 4/6) MOIST, DENSE, LOW EST IR, VFG SUBANG SAND. 5-10% CLAY, 15-20% SILT, 1-2% FG

18? SILTY SAND (SM) PALE YEL-BROWN (10YR 4/6) MOIST, DENSE, LOW EST. IR, VFG-FG SUBANG SAND. 10% CLAY, 20-25% SILT, 1-2% MG

20.5' SILTY SAND (SM) PALE YEL-BROWN (10YR 4/6) MOIST, DENSE LOW EST. IR, VFG SUBANG SAND. 5-10% CLAY, 15-20% SILT, 2% MG, 1% CG-VCG. CALICHE PIECES TO 5mm Ø at 21' SCAT. SUBRND PEBBLES TO 6mm Ø

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PG-1000
WYOMING

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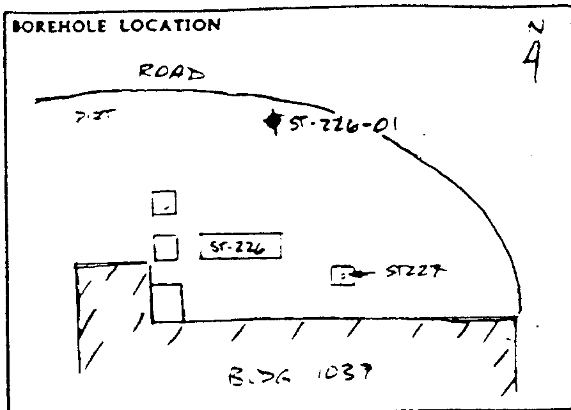
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: ST-226-01
	Job No: 2A56
Logged By: J. Pavletich	Edited By: JP
Project Manager: K. Walker	Drill Rig: Geoprobe
Drilling Contractor: BRE	
Driller/Helper: B. Wolfe	
Drilling Method: Geoprobe Construction Method Code = V (driven), HA = Hand Augered	
Sample Method: LARGE-BORE SAMPLER	
Hammer Weight/Drop: NA	Borehole Diameter: 1.375"
Started, Time: 1120	Date: 3-29-94
Completed, Time: 1208	Date: 3-29-94
Water Depth	
Boring/Casing Depth	
Time	
Date	

Notes: ONLY PID USED TO SCREEN THIS BOREHOLE

BACKGROUND SAMPLING BOREHOLE 3'8'

Total Depth: 10 FT

Casing Depth:

Screened Interval:

Sand Pack, #3:

Well Development Method:

Time: Date:

Geophysical Logs, Type:

By:

Stamp: PROFESSIONAL GEOLOGIST – JOSEPH P. PAVLETICH – PG-1090 – WYOMING

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/PID Reading	Analyses		Lithology Code	Depth in Feet	LITHOLOGIC DESCRIPTIONS
									SDSL	0–3	SURFACE SILTY SAND (SM) WHITE/RED (7.5Y 5/4) DRY. V LOOSE-LOOSE. LOW-MOD EST IK. VFG-FG ANG. SAND 15-20% SILT, 2-10% MG-CG ANG. SAND OCCAS. SUBRND-RND PEBBLES TO 25mm Φ. CALICHE STAINED
KAFB-ST226-01-0805			24	22	6	2-4 ppm γ: 6 μR/hr	SVOC DRO / VOC GRO / METALS Hg. PH	DRO / GRO / MOIST	SDSL	3–5	2' SILTY SAND (SM) BROWN (7.5YR 5/4) MOIST, LOOSE, LOW EST IK, VFG-FG ANG SAND, 15-20% SILT, 2-5% MG-CG, 1% RND PEBBLES TO 9mm Φ.
			18	12					SDSL	5–7	6' SILTY SAND (SM) BROWN (7.5YR 4/6) MOIST. MED DENSE LOW EST IK, VFG-FG ANG. SAND, 20-30% SILT. 5% MG RARE RND PEBBLES TO 5mm Φ
KAFB-ST226-01-0810			24	22		<1 ppm γ: 10 μR/hr	SVOC DRO / VOC GRO / METALS Hg. PH	MOIST	SILT	8–10	9.5' SANDY SILT (ML) TAN-BRN (7.5YR 6/6) MOIST. MED STIFF-STIFF, LOW EST IK, 15-20% VFG. 1-5% FG-MG. RARE S. ANG. PEBBLES TO 5mm.

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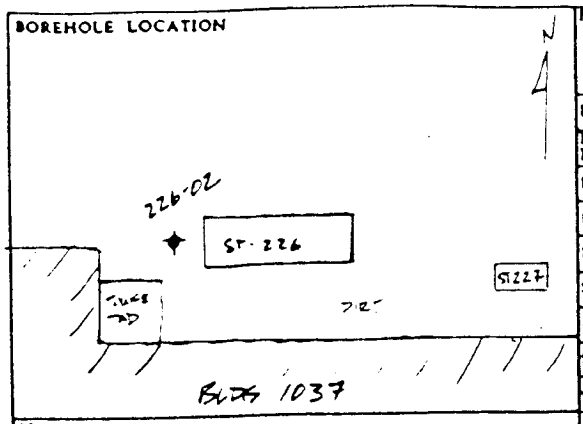
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: ST-226-02
	Job No: 2A56
Logged By: J. Pavletich	Edited By: JP
Project Manager: K. Walter	Drill Rig: Geoprobe
Drilling Contractor: BEE	
Driller/Helper: B. Wolfe	
Drilling Method: Geoprobe Construction Method Code: (V (driven), HA = Hand Augered	
Sample Method: LARGE BORE SAMPLER	
Hammer Weight/Drop: N.A.	Borehole Diameter: 1.375"
Started, Time: 1120	Date: 3-29-94
Completed, Time: 1317	Date: 3-29-94

Notes: 3.8'
ONLY THE PID USED TO SCREEN THIS BOREHOLE
AMBIENT CONDITIONS & BACK GROUND

Water Depth													
Boring/Casing Depth													
Time													
Date													

Total Depth: 10 FT
Screened Interval:
Sand Pack, #3:
Well Development Method:
Time: Date:
Geophysical Logs Type:
By:

PROFESSIONAL GEOLOGIST
JOSEPH P. PAVLETICH
PG-1990
WYOMING

Sample ID	Sampler Type / depth	Blows / 6 inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/PID Reading	Analysis		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
									STAIN		1			SILTY SAND (SW) REDDISH-BROWN (7.5YR 6/3) MOIST, LOOSE, LOW-MOD EST IK, FG ANG SAND 5-10% SILT, 10-15% VFG 5-10% MG 2-3% CG 1-2% VCG ROCK PEBBLES TO 5mm Ø
											2			
											3			
KAFB-ST226-02 03.07			24	18	F	0ppm	METALS, PAH's	MOIST.	STAIN		4			@ 3'-6.5' SANDY GRAVEL (GW) BROWN (7.5YR 4/3) MOIST, DENSE, MOD EST IK, RND PEBBLES TO 30mm Ø 20-30% FG-MG SAND, 5-10% SILT.
			24	15	F						5			
						0ppm	SVOC VOC,	DRO GRO	STAIN		6			@ 6.5' SILTY SAND (SM) BROWN (7.5YR 4/4) MOIST, MED DENSE, WEST IK, VFG-FG. ANG. SAND. 20-30% SILT, 5% CLAY. RARE CALCHE STAINED PATCHES TO 20mm Ø
											7			
KAFB-ST226-02 08.10			24	22	G	0ppm	SVOC VOC, ASBS	DRO GRO Hg, PH	MOIST.		8			@ 10' SANDY GRAVEL (GW) BROWN (7.5YR 4/3) MOIST, DENSE, LOW EST IK., ANG. PEBBLES TO 7mm Ø. 5-10% SILT, 10-20% VFG-FG, 10-20% MG-CG. SAND
											9			
											10			

GW

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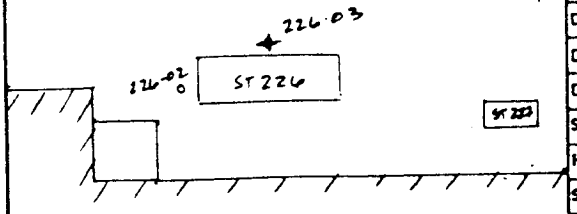
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: ST-226-03
	Job No: 2A56
Logged By: J. Pavletich	Edited By: JP
Project Manager: K. Walter	Drill Rig: Geoprobe
Drilling Contractor: BRE	
Driller/Helper: B. Wolfe	
Drilling Method: Geoprobe Construction Method Code: V (driven), HA = Hand Augered	
Sample Method: LARGE-BORE SAMPLER	
Hammer Weight/Drop: N.A.	Borehole Diameter: 1.375"
Started, Time: 1325	Date: 3-29-94
Completed, Time: 1358	Date: 3-29-94

Notes:
ONLY THE PID USED TO SCREEN THIS BOREHOLE

Water Depth			
Boring/Casing Depth			
Time			
Date			

PROFESSIONAL GEOLOGIST JOSEPH P. PAVLETICH PG-1330 WYOMING

Total Depth: 10 FT
Screened Interval:
Sand Pack, #3:
Well Development Method:
Time: Date:
Geophysical Logs, Type:
By: Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	FID/PID Reading	Analyses		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
									SDPK					SURFACE SAND (SW) REDDISH-WHITE (7.5YR 6/3) MOIST, LOOSE, LOW-MOD EST IK, FG ANG SAND, 5-10% SILT 10-20% VFG 5-10% MG, 1% CG, OCCAS RND PEBBLES TO 5mm ϕ
											1			
									SDSL		2		?	
			36	22	4	0ppm					3			SILTY SAND (SM) BROWN (7.5YR 4/6) MOIST, MED DENSE. LOW EST IK. FG. ANG. SAND. 15-20% SILT, 15-20% VFG RARE ANG. PEBBLES TO 7mm ϕ. CALICHE STAINED FRAGMENTS TO 10mm ϕ
											4			
SS-226-03-0306							SVOC VOC METALS	DRO GRO Hg pH		SDAR SDSL	5			5-5½' SANDY GRAVEL (GW) 5½-6' SILTY SAND (SM) BROWN (7.5YR 4/6) MOIST, MED DENSE LOW-MOD. EST. IK, VFG-FG ANG. SAND. 20-30% SILT 1-2% MG SAND, CALICHE STAINED FRAGMENTS TO 10mm ϕ
											6			
											7			
											8			@8' 30% SILT. 1-2% S.ANG PEBBLES TO 5mm
SS-226-03-0810			24	22	4	0ppm	SVOC VOC METALS	DRO GRO Hg pH			9			@10' SANDY GRAVEL (GW) BROWN (7.5YR 4/3) MOIST DENSE LOW EST IK ANG PEBBLES TO 10mm ϕ, 10% SILT, 10-20% VFG-FG, 20-30% MG-CG.
										GVLP	10			

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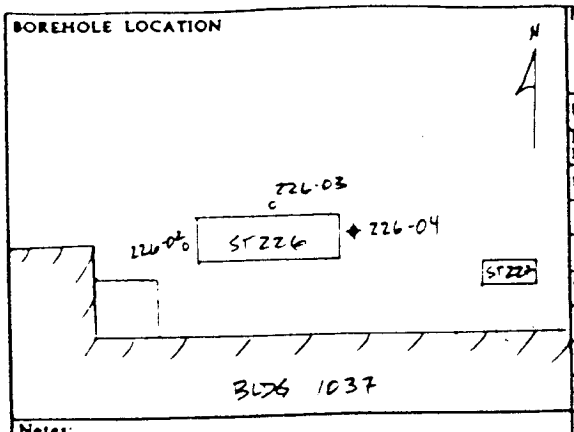
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: ST-226-04
	Job No: 2A56
Logged By: J. Pavlouch	Edited By: JP
Project Manager: K. Walter	Drill Rig: Geoprobe
Drilling Contractor: BRE	
Driller/Helper: B. Wolfe	
Drilling Method: Geoprobe Construction Method Code = (V) (driven), HA = Hand Augered	
Sample Method: LARGE BORE SAMPLER	
Hammer Weight/Drop: N.A	Borehole Diameter: 1.375"
Started, Time: 1400	Date: 3-29-94
Completed, Time: 1441	Date: 3-29-94

Notes:
ONLY THE PID WAS USED TO SCREEN THIS BOREHOLE

Water Depth					
Boring/Casing Depth					
Time					
Date					

Total Depth: 12 FT	Casing Depth:
Screened Interval:	
Sand Pack, #3:	#0:
Well Development Method:	
Time: Date:	Flow Rate:
Geophysical Logs Type:	
By:	Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/PID Reading	Analyses		Lithology Code	Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
									SAA				SURFACE SILTY SAND (SM) BROWN (7.5YR 4/4) MOIST LOOSE, LOW EST
										1			IK, VF-F ANG SAND, 20% SILT, 5-10% MG-CG CALCAS S ANG
													TO S RND PEBBLES TO 10mm Ø
										2			
										3			
			36	20	4				SAA				
KAFB-ST226-04 0306						0ppm	SVOC	DRO		4			SILTY SAND (SM) LT BROWN (7.5YR 5/3) MOIST MED DENSE
							VOC	GRO					LOW EST IK, VF-F ANG SAND. 20-30% SILT 10% MG-CG CALCAS
							METALS	Hg pH	MOIST.	5			BEDS climb common.
													@ 6' 1-2% MG-CG. RARE ANG. PEBBLES TO 10mm Ø
										6			
										7			
										8			
KAFB-ST226-04 0812 KAFB-ST226-04 0812			24	22	4	0ppm							@ 8.25' NEARLY CALICHE SEAMING, PEBBLES TO 15mm Ø
							SVOC	DRO		9			@ 10' SILTY SAND (SM) BROWN (7.5YR 5/4) MOIST MED DENSE.
							SVOC	DRO	R				LOW EST IK. F ANG. SAND. 15% SILT. 15-20% VFG. 5-10% MG CA.
							METALS	Hg pH	MOIST	10			LARGE ANG. PEBBLES TO 5mm Ø

Project / Job No.: KAFB 2B 2AS6

Borehole/Well No.: ST-226-04

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/FID	Analysis		Lithology Code	(50%)	Depth (ft)	Recovery	Contact
		↓	24	22	G	ND	[illegible]	Hg [illegible]	[illegible]	50% R	11		/
							VOC	GRO					
							VOC	GRO	R		12		TD
											13		
											4		
											5		
											6		
											7		
											8		
											9		
											0		
											1		
											2		
											3		
											4		
											5		
											6		
											7		
											8		
											9		
											0		

[illegible] SILTY SAND (SM) BROWN (7.5YR 4/6) MOIST, MED. DENSE

LOW [illegible] IR. VFG-FG. ANG SAND 20-30% SILT. 5-10% [illegible]

CALICHE STAINING

@ 12', ABUNDANT WEATHERED BIOTITE.

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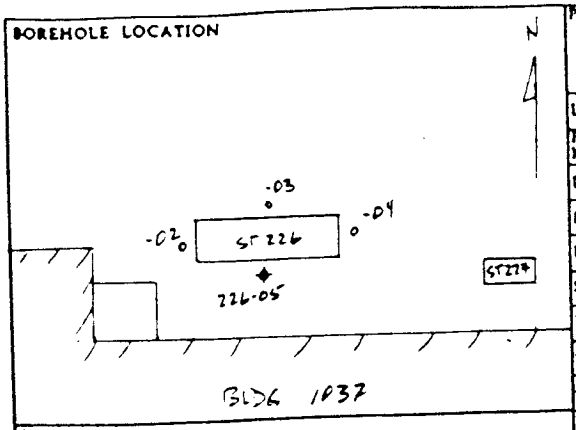
Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: SB-226-05
	Job No: 2A56
Logged By: J. Pavletich	Edited By:
Project Manager: K. Walter	Drill Rig: Geoprobe
Drilling Contractor: BEE	
Driller/Helper: B. Wolfe	
Drilling Method: Geoprobe Construction Method Code: √V (driven), HA = Hand Augered	
Sample Method: LARGE-BORE SAMPLER	
Hammer Weight/Drop: 150	Borehole Diameter: 1.375"
Started, Time: 1445	Date: 3-29-94
Completed, Time: 1552	Date: 3-29-94

Notes:
ONLY THE PID WAS USED TO SCREEN THIS BOREHOLE

Water Depth												
Boring/Casing Depth												
Time												
Date												

Total Depth: 12 FT — Casing Depth:
Screened Interval:
Sand Pack, #3: #0:
Well Development Method:
Time: Date: Flow Rate:
Geophysical Logs, Type: Date:
By:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/PID Reading	Analysis		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
KAFB-SB226-05-0810									SM		1			SILTY SAND (SM) BROWN (7.5YR 4/4) MOIST, LOOSE, LOW EST 1% VFG-FG ANG SAND 20-25% SILT 5% MG-CG RARE 2nd PEBBLES TO 15mm Φ 1-2% CALCITE BLEBS (<1mm Φ)
											2			
											3		?	
KAFB-SB226-05-0812		46	22						SP		4			@ 3' SANDY GRAVEL (GW) BROWN (7.5YR 4/3) MOIST. DENSE
									SM		5			
						0 ppm	SVOC	DRO			6			1' SILTY SAND (SM) BROWN (7.5YR 4/6) MOIST MED DENSE LOW EST 1% VFG ANG SAND. 20-25% SILT. 10-20% FG. 2-5% MG.
							VOC	GRO						
							METALS	Hg/PB	MOIST		7			COARSE ANG. PEBBLES TO 10mm Φ
											8			
KAFB-SB226-05-0912		24	22	6		0 ppm	SVOC	DRO			9			@ 10' SILTY SAND (SM) BROWN (7.5YR 5/6) MOIST MED DENSE LOW EST 1% VFG ANG SAND. 15-20% SILT 5-10% FG-MG. ANG. PEBBLES TO 10mm Φ COMMON
							SVOC	DRO	MS/MSD					
							METALS	Hg/PB	MOIST		10			

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56

Borehole/Well No.: SF-226-05

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/PID	Analysis		Lithology Code	(USCS)	Depth (ft)	Recovery	Contact
			24	20	F	ND	METAL	Hy PA	MOIST.	GW/P / MSND	11		
							VOCS	GRO		↓			
		↓					VOCs	GRO		SM	12		

10-10.5 SANDY GRAVEL (GW) BROWN (7.5YR 5/4) MOIST, DENSE MOD EST IK. 20-25% VFG - MG SAND. 0-15% CG. FOUND PEBBLES TO 20 mm Ø

SILTY SAND (SM) BROWN (7.5YR 5/6) MOIST MED DENSE LOW EST IK. VFG. SAND. 15-20% SILT CALICHE STRINGERS, BLEBS & PATCHES TO 5mm Ø

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PG-1990
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BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION

ST226

ST227 ◆ 227-01

BLDG 1037

Notes: 3, 8'

ONLY THE PID WAS USED TO SCREEN THIS BOREHOLE

Project	KAFB Stage 2B
Borehole/Well No:	ST-227-01
Job No:	2A56
Logged By:	J. Pavletich
Edited By:	JP
Project Manager:	K. Walter
Drill Rig:	Geoprobe
Drilling Contractor:	BEE
Driller/Helper:	B. Wolfe
Drilling Method:	Geoprobe Construction Method Code: V (driven), HA = Hand Augered
Sample Method:	LARGE-BORE SAMPLER
Hammer Weight/Drop:	N.A.
Borehole Diameter:	1.375"
Started, Time:	0940 Date: 3-30-94
Completed, Time:	1050 Date: 3-30-94
Water Depth	
Boring/Casing Depth	
Time	
Date	
Total Depth:	20 FT Casing Depth:
Screened Interval:	
Sand Pack, #3:	#0:
Well Development Method:	
Time:	Date: Flow Rate:
Geophysical Logs, Type:	
By:	Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/PID Reading	Analyses		Lithology Code	Depth in Feet	Recovery / Sample Loc.	Contact
KAFB-ST227-01 0306			36	24	G				SM	1		
					G	0ppm	SVOC	DRO		5		
							VOC	GRO				
							METALS	Hg pH	MOIST	6		
KAFB-ST227-01 0810			24	22	G	0-11ppm	SVOC	DRO		8		
							VOC	GRO				
							METALS	Hg pH	MOIST,	10		

LITHOLOGIC DESCRIPTIONS

SURFACE
SILTY SAND (SM) BROWN (7.5YR 4/6) MOIST, LOOSE, LOW-MED EST IK.
VFG-FG ANG SAND 5% SILT, 5-10% MG, 1% CG CLASTS SUBANG-SUBRND
PEBBLES TO 25mm Ø ON SURFACE

SILTY SAND (SM) BROWN (7.5YR 5/4) MOIST, MED DENSE, LOW-MOD.
EST IK, FG ANG SAND, 15-20% SILT, 15% VFG, 2-5% MG-CG
CALICHE STAINED PATCHES TO 10mm Ø

@6' 20-30% SILT 10% VFG CALICHE STAINED PATCHES TO 15mm Ø

SILTY SAND (SM) BROWN (7.5YR 5/4) MOIST MED DENSE LOW-
MOD EST IK. VFG-FG ANG SAND. 20% SILT, 2-5% MG-CG
SANDY GRAVEL (GW) GRAY-BROWN (7.5YR 7/1) DRY, DENSE MOD
EST IK SUBANG GRAVEL TO 10mm Ø, 15-20% FG-CG SAND ABUND
WEATHERED CLASTS, NATURAL FRACTURES IN SIZE TO 5mm @ 10.75'

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56 | Borehole/Well No.: SB 229-01

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/PID	Analysis		Lithology Code	(GRAPH)	Depth (ft)	Recovery	Contact
			18	18		5-7 ppm					10		1'
											11		
											12		
											13		
											14		
											15		
											16		?
											17		
KAFB-SB229-01 1820			24	22	G	5-12 ppm	SUOC VOC HEADS	DRO GRO Mg PH	MOIST		18 19 20		
											1		
											2		
											3		
											4		
											5		
											6		
											7		
											8		
											9		
											0		

10.75' SILTY SAND (SM) BROWN (7.5YR 4/6) MOIST, MED DENSE LOW-MOD. EST IK, FG ANG. SAND. 30% SILT, 10-15% VFG. ENCR. SUBANG PEBBLES TO 5mm Ø

@ 11.5' 15% SILT, 5-10% VFG.

@ 18.5' SILTY SAND (SM) BROWN (7.5YR 4/6) MOIST. MED. DENSE. LOW-MOD. EST IK. FG. ANG. SAND. 15% SILT 15% VFG 2-5% ANG PEBBLES TO 7mm Ø

19.75' SAND (SP) BROWN (7.5YR 5/8) MOIST MED DENSE. MOD EST IK, FG ANG. SAND. 5-10% SILT 5-10% VFG.

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Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION

SS 224

ZZ-02 ✦ SS 227 C-01

BLDG 1037

Project: KAFB Stage 2B

Borehole/Well No: SS-227-02

Job No: 2A56

Logged By: J. Pavletich

Edited By: JP

Project Manager: K. Walker

Drill Rig: Geoprobe

Drilling Contractor: ESE

Driller/Helper: B. Wolfe

Drilling Method: Geoprobe Construction Method Code = N (driven), HA = Hand Augered

Sample Method: LINER F- SPOON SAMPLER

Hammer Weight/Drop: N.A.

Borehole Diameter: 1.375"

Started, Time: 1100 Date: 03-30-94

Completed, Time: 1220 Date: 03-30-94

Notes: ONLY THE PID USED TO SCREEN THIS BOREHOLE

Water Depth						
Boring/Casing Depth						
Time						
Date						

Total Depth: 20 FT

Casing Depth:

Screened Interval:

Sand Pack, #3: #0:

Well Development Method:

Time: Date: Flow Rate:

Geophysical Logs, Type:

By: Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/PID Reading	Analyses		Lithology Code	Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
									SM				SURFACE SILTY SAND (SM) BROWN (7.5YR 4/6) MOIST LOOSE LOW-MOD
										1			EST 1K, VFG-FG ANG SAND. 20-25% SILT, 10-20% MG-CG,
													OCCAS SUBANG-SUBRD TYBBLES TO 15mm ON SURFACE
										2			
										3			
KAFB-SS227-02 0307			36	22	G								
										4		?	? SILTY SAND (SM) LT BROWN (7.5YR 6/3) MOIST. MED DENSE.
													LOW EST 1K. VFG-FG ANG SAND. 30% SLT. 2-5% MG-CG MOTTLES
										5			WITH CALICHE
						10	SVOC	DRO					SAND (SW) GRAY WHITE (7.5YR 7/1) MOIST. MED. DENSE
						8-	VOC	GRO		6			MOD EST 1K. FG-MG ANG. SAND. 5-10% SILT, 5-10% VFG,
							METALS	Hg pH	ANIONS				5-10% CG. OCC. ANG PEBBLES TO 5mm Ø
										7			7' SILTY SAND (SM) BROWN (7.5YR 5/6) MOIST, MED. DENSE.
			18										LOW EST 1K. VFG-FG ANG. SAND. 15% SILT 1-2% MG-CG,
										8			
										9			
										10			

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2AS6

Borehole/Well No.: SF-227-02

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/PID	Analysis		Lithology Code	STRATA	Depth (ft)	Recovery	Contact	Description
KAFB-SF227-02 0812						10-11 ppm	SVOC	DRO		SAND	11			10'? SAND (SW) LT BROWN (7.5YR 5/6) MOIST, MED DENSE, MOD EST IK FG-MG SUB ANG SAND 5-10% SILT, 5-10% VFG, 5% CG
							VOCs	GRO						INCREASING SILT TO 20% 10.5' - 11.5'
							METALS	Hg PH	MOIST	SILT	12			SANDY SILT (ML) BROWN (7.5YR 5/6) MOIST STIFF, LOW EST IK 15-20% VFG, 5% FG, RARE ANG PEBBLES TO 3mm Ø RARE CALICHE PEBS TO 3mm Ø
											13			
											14		?	
		÷	12	12		4-12 ppm				SILT	15			SILTY SAND (SM) BROWN (7.5YR 4/6) MOIST, MED DENSE, LOW-MOD EST IK, VFG-FG ANG SAND, 25% SILT, 5% MG. CALICHE COATED PATCH AT 15.5' MOTTLED AT 15.75'-16' POSSIBLE ORGANICS AT 15.75'-18.5'
											16			
											17			
KAFB-SF227-02 1020			24	22	6	8-10				SAND	18			SAND (SP) BROWN (7.5YR 5/6) MOIST, MED DENSE, MOD EST IK, FG ANG SAND 5% SILT 5% VFG, +2% MG.
											19			
										SILT	20		TD	SILTY SAND (SM) BROWN (7.5YR 6/4) MOIST MED DENSE, LOW EST IK VFG-FG ANG. SAND 15-20% SILT, 5% MG. 1% CG
											1			
											2			
											3			
											4			
											5			
											6			
											7			
											8			
											9			
											0			

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BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION

051

1040

SB-01

1040

N

Project: KAFB Stage 2B	Borehole/Well No: SB 22B-01
	Job No: 2A56
Logged By: J. Pavletich	Edited By: CP
Project Manager: K. Walter	Drill Rig: Geoprobe
Drilling Contractor: BSC	
Driller/Helper: B. Wolfe	
Drilling Method: Geoprobe Construction Method Code = V (driven), HA = Hand Augered	
Sample Method: LARGE-BORE SAMPLER	
Hammer Weight/Drop: NA	Borehole Diameter: 1.375"
Started, Time: 0930	Date: 5-19-99
Completed, Time: 1610	Date: 5-19-99

Notes: 5', 12'

BACKGROUND B = 0

HNu/FID	0			
β-γ (cpm)	70-60			
Time	1452			
Date	5-19-99			

Total Depth: 14 Ft | Casing Depth:

Screened Interval:

Sand Pack, #3: | #0:

Well Development Method:

Time: Date: Flow Rate:

Geophysical Logs, Type:

By: Date:

Sample ID	Sampler Type / depth	Blows / 6 inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
			12	8	5	0/1 B-0 / 139-200 B-0			SM		1			ASPHALT 0'-4"
											2			SILTY SAND (SM) BROWN (7.5YR 4/6) MOIST, MED. DENSE, LOW EST. IR, VFG-FG SUBANG SAND 15% SILT, 5% MG, CALCITE FRAGS TO 5mm ϕ
											3			
											4		?	4'? SAND (SP) BROWN (10YR 5/6) MOIST, MED. DENSE, LOW EST. IR VFG-FG SUBANG. SAND 5-10% SILT, 5-10% MG 1% SUBANG. PEBBLES TO 8mm ϕ
KAFB-SB22B-01-0510 KAFB-SB22B-99-025-FD			24	22	4	0/1 B-0 PID reading	SVOC	TPH	SM		5			
							SVOC	TPH	SM-SP		6			7.25' SILTY SAND (SM) BROWN (10YR 5/4) MOIST, MED. DENSE, LOW EST. IR. VFG SUBANG SAND, 10% CLAY 20% SILT, 1-2% FG.
			24	22	4	0/1 B-0	METALS	Hg, As	MOIST-SP	R	7			
						0/1 B-0	VOC	GRO			8			8.5' SILTY SAND (SM) BROWN (7.5YR 5/6) MOIST, DENSE, LOW EST. IR, VFG. SUBANG. SAND 5% CLAY, 15-20% SILT, 10% FG. MOIST. SUBANG PEBBLES TO 5mm ϕ
							VOC	GRO	SM	R	9			
											10			

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No. KAFB 2B 2AS6

Borehole/Well No.: SF22B-01

Notes.

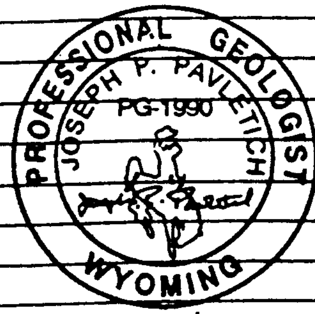
Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/PID	Analysis			Lithology Code	(USCS)	Depth (ft)
											SDSL	11
												12
KAFB-SF22B-01 12/4			24	20	G	0/1 (BZ=bkgd 2.0)	SIOC	DTD			GVL	13
							VOC	GRO	—		SDFN	
							MSOG	Hg pH	MOIST.		SDMS	
											SDSL	14

11.7' SILTY SAND (SM) BROWN (7.5YR 4/6) MOIST, MED. DENSE LOW EST IK VFG-FG SUBANG. SAND. 5% CLAY 10-20% SILT. 5% FG 1-7% MG

13' POSSIBLE GRAVEL (AND FILL LAYER?) RND PEBBLES TO >25mm Ø

13.25' SAND (SW) BROWN (7.5YR 6/4) MOIST, DENSE MOD. EST IK, FG-MG SUBANG. SAND. 5% SILT, 10% VFG. 10-15% CG. 5% VCG WEATHERED BIOTITE COMMON

13.75' SILTY SAND (SM) BROWN (7.5YR 5/6) MOIST, DENSE. LOW EST IK. FG SUBANG SAND, 5-10% CLAY 20-25% SILT, 20% VFG 5% MG, 2-5% CG.



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BOREHOLE / WELL CONSTRUCTION LOG

Page 1 of ___

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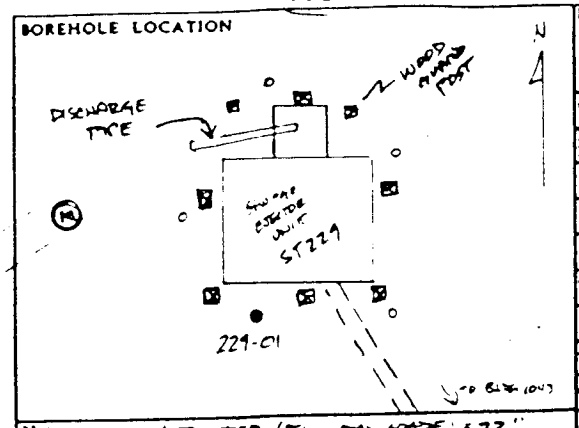
BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: SV-229-01
Logged By: J. Pavletich	Job No: 2A56
Project Manager: K. Walter	Edited By: JP
Drilling Contractor: RDE	Drill Rig: Geoprobe
Driller/Helper: B. Wolfe / S CAMP	
Drilling Method: Geoprobe	Construction Method Code: V (driven), HA = Hand Augered
Sample Method: 1" PLASTIC SLEEVE SAMPLER	
Hammer Weight/Drop: NA	Borehole Diameter: 1.375"
Started, Time: 1100	Date: 5-11-94
Completed, Time: 1300	Date: 5-11-94

Notes: DEPTH TO WATER (BELOW ROAD GRADE) = 22'
DEPTH OF UNIT = 11.5' + 10"(ROD) = 11'
14', 21

BACKGROUND = 7 mR/HR

HNu/PID	1/2					
β-γ (cpm)	20-60					
Time	1113					
Date	5-11-94					

Total Depth: 26 FT | Casing Depth:
Screened Interval:
Sand Pack, #3: | #0:
Well Development Method:
Time: | Date: | Flow Rate:
Geophysical Logs Type:
By: | Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/PID Reading	Analyses		Lithology Code	Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
													ASPHALT 4-5" BACK
									SDNF	1			SAND (SP) BROWN (10YR 4/4) MOIST, MED. DENSE
									SDNF				MOD. EST IR, VFF-FG SUBANG. SAND 5% SILT. 5-10% MG. 5%
										2			CG
										3			
										4		?	
									SDNF				4'? SILTY SAND (SM) RD-YELLOW (7.5YR 6/6) MOIST, MED.
			12	10	4	1/2 / 10-80-110				5			DENSE. LOW EST IR, FG SUBANG. SAND, 15% SILT 15-20% VFG
										6			5% BAG MOTTLED W/ CALICHE. 15mm Ø CALICHE NODULE AT 5.75'
										7			
										8			
										9		?	
									SDNF	10			

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2AS6

Borehole/Well No.: ST229-01

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNU/PID	Analysis		Lithology Code		Depth (ft)
		↓	12	8	G	1/2					10–11
KAFB-ST229-01-14/8 KAFB-ST229-97-14/8		↓	24	19	G	1/2 BZ-20-40 [illegible]	SVOC SVOC METALS	DRO DRO-R Hg pH	 MOIST	SPT	14–16
		↓	24	20	G	1/2 BZ-20-[illegible]	METALS VOC VOC	Hg pH GRO GRO-R	MOIST-R	SPT	16–18
		↓	12	10	G					SPT	20–21
KAFB-ST229-01-2126 MS/MSD KAFB-ST229-01-2126		↓	24	21	G	1/2 BZ=[illegible] 7.0	SVOC SVOC METALS	DRO DRO-MS/MSD Hg pH	 MOIST		21–23
		↓	36	10	F	1/1.5 BZ=60 [illegible]	METALS VOC VOC	Hg pH GRO GRO-MS/MSD	MOIST-MS/MSD	SPT	23–26

TD at 26'

9'? SAND (SP) BROWN (7.5YR 5/6) MOIST, MED. DENSE. LOW EST. IK. VFG SUBANG SAND. 5% SILT, 1-2% FG. 1% MG.

@ 14.5' SAME AS AT 10.5' EXCEPT OCCAS SUBANG PEBBLES TO 5mm Ø

15.75' SILTY SAND (SM) BROWN (7.5YR 4/6) MOIST, MED. DENSE LOW EST IK VFG SUBRND-SUBANG SAND, 5% CLAY, 15-20% SILT 2-5% FG 1% MG OCCAS. CALICHE PATCHES TO 7mm Ø.

15.75' GRAVELLY SAND (SW) BROWN (7.5YR 4/6) MOIST, DENSE LOW-MED EST IK, FG SUBANG SAND. 5% SILT, 10-15% SILT, 15% VFG 5% MG 1% CG 15-20% SUBRND PEBBLES TO 20mm Ø

17.75' SILTY SAND (SM) BROWN (10YR 4/6) MOIST. MED DENSE LOW EST IK, VFG SUBRND SAND. 15-20% SILT, 15% FG. 2-3% MG. WEATHERED BIOTITE

20.75 CLAYEY SILT (ML) YELL-BROWN (10YR 4/4) MOIST, MED. STIFF. 20-30% CLAY. 1-2% VFG SAND

@ 23' 30-40% CLAY <1% VFG SAND.

23.75'? SILTY SAND (SM) YEL-BRN (10YR 4/6) MOIST, MED DENSE LOW EST. IK. VFG SUBANG SAND 15-20% SILT, 5-10% FG 1% MG. CALICHE MOTTLING & NODULES TO 15mm Ø PRESENT AT 24.5-26'

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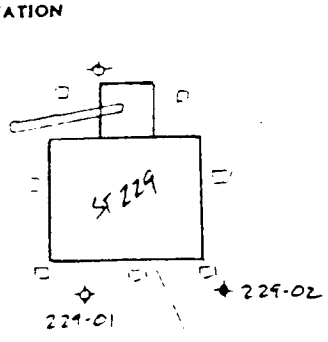
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: SS229-02
Logged By: J. Pavletich	Job No: 2A56
Project Manager: K. Walter	Edited By: JT
Drilling Contractor: BRE	Drill Rig: Geoprobe
Driller/Helper: B. Wolfe / S. CAMP	
Drilling Method: Geoprobe Construction Method Code: V (driven), HA = Hand Augered	
Sample Method: LARGE BORE SAMPLER	
Hammer Weight/Drop: N.A.	Borehole Diameter: 1.375"
Started, Time: 0830	Date: 5-13-94
Completed, Time: 1000	Date: 5-13-94

Notes:

BACKGROUND γ = 6 ± 2 /HR

HNu/FID	0.5/3.5					
β-γ (cpm)	60-80					
Time	0830					
Date	5-13-94					

Total Depth: 23 FT | Casing Depth:

Screened Interval:

Sand Pack, #3: #0:

Well Development Method:

Time: Date: Flow Rate:

Geophysical Logs Type:

By: Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses		Lithology Code	Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
									SAND				ASPHALT 4"-5" THICK
										1			SAND (SP) BROWN (10 YR 7/4) DRY MED DENSE NR
													EST IL, FG-MG SUBANG SAND. 5-10% SILT/FINES, 5% CG, 1% VCG
										2			
										3			
										4			
									SILT				
										5			
			12	10	4	A1/SS							4'? SAND (SP) BROWN (7.5YR 6/6) MOIST, MED. DENSE
										6			LOW EST IL, VFG-FG SUBANG SAND. 10% SILT, 1-2% MG, 1% CG.
													STAINED W/ CALCITE.
										7			
										8			
										9			
									SILT				
										10			

BACKGROUND γ = 6 ± 2 /HR

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56

Borehole/Well No.: SB229-02

Notes:

Sample ID	Sampler Type	Blows / 6 inch	Inches Driven	Inches Recv'd	Sample Cond.	HNu/PID	Analysis		Lithology Code	Depth (ft)	Recovery	Contact	
			12	9	6	0.5/2 NA: 0-0				10		?	9' SILTY SAND (SM) BROWN (7.5YR 5/6) MOIST, MED. DENSE, LOW EST. IR, VFG SUBANG SAND. 2-3% CLAY. 15-20% SILT 5% FG IR MX
										11			
										12			
										13		?	13' SAND (SP) BROWN (7.5YR 5/6) MOIST MED DENSE, LOW EST IR, FA-MG SUBANG SAND 5% SILT, 10% VFG, 5-10% CG. OCCAS. SCATTER PEBBLES TO 5 mm ϕ
										14			
SB229-02-13.5			24	22	6	0.5/2 NA: 0-0	SVOC	NONE		15			15.5' SILTY SAND (SM) BROWN (7.5YR 4/6) MOIST MED DENSE LOW EST. IR. VFG, SUBANG, SAND 1-2% CLAY 15% SILT, 5% FG 1% MG. OCCAS. SUBANG PEBBLES TO 7mm ϕ CALICHE PATCHES TO 5mm ϕ
							VOC	NONE		16			
							METALS	Hg PA	MOIST				
										17			
										18			
										19			
										20			20-20.5' SAME AS AT 15.5
			12	9	6								20.5 SILTY SAND (SM) BROWN (7.5YR 4/6) MOIST, MED. DENSE
										21			LOW EST IR, VFG SUBANG SAND. 5-10% CLAY. 20-25% SILT. 1% FA-CG WELL-DISINTEGRATED GRANODIORITE CLAST AT 20.6-20.8' POSSIBLE GRAVEL LENS.
SB229-02-21.5			24	22	6	0.5/1.5 NA: 0-0	SVOC	NONE		22			
							VOC	GOOD					
							METALS	Hg PA	MOIST	23			CLAYEY SAND (SC) BROWN (10YR 4/4) MOIST, MED DENSE V. LOW EST. IR, VFG SUBANG SAND. 15-20% CLAY, 30-75% SILT OCCAS. VCG SUBANG SAND GRAINS.
										24			23.5' SILTY SAND (SM) BROWN (7.5 YR 5/6) MOIST. MED DENSE, LOW EST. IR, VFG SUBANG. SAND, 5% CLAY. 15-20% SILT
										25			
										6			
										7			
										8			
										9			
										0			

PROFESSIONAL GEOLOGIST
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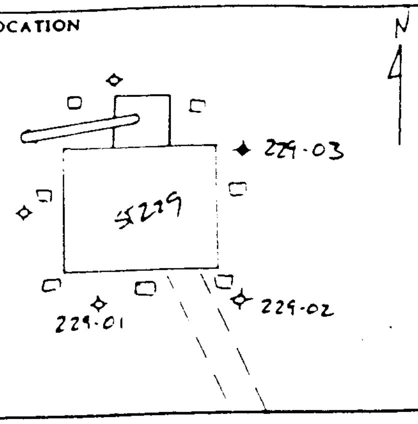
WYOMING

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG

Borehole/Well No:	ST229-03
Project:	KAFB Stage 2B
Job No:	2A56
Logged By:	J. Pavlcich
Edited By:	JP
Project Manager:	K. Walter
Drill Rig:	Geoprobe
Drilling Contractor:	RGE
Driller/Helper:	B. Wolfe / S. CAMP
Drilling Method:	Geoprobe Construction Method Code = V (driven), HA = Hand Augered
Sample Method:	LARGE-BORE SAMPLER
Hammer Weight/Drop:	N.A.
Borehole Diameter:	1.375"
Started, Time:	1000
Date:	5-13-94
Completed, Time:	1115
Date:	5-13-94

BOREHOLE LOCATION



Notes:

BACKGROUND γ = 9 μR/HR

HNu/FID	0.2/1.5					
β-γ (cpm)	60-80					
Time	1000					
Date	5-13-94					

Total Depth:	23 FT	Casing Depth:	
Screened Interval:			
Sand Pack, #3:		#0:	
Well Development Method:			
Time:	Date:	Flow Rate:	
Geophysical Logs, Type:			
By:		Date:	

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
									SP/N					ASPHALT 4"-5" THKK
									SP/D		1			SAND (SP) BROWN (10YR 7/4) DRY, MED. DENSE, MOD. EST 1K, FG-MG SUBANG SAND 5% VFG. 10% CG, 1% VCG.
											2			
											3			
									SM/?		4		?	
			12	9	G	0.2/1.5 β=60-80 γ=9					5	X	?	4'? SILTY SAND (SM) BROWN (7.5YR 5/6) MOIST, MED. DENSE LOW EST 1K, VFG SUBANG SAND, 5% CLAY, 15-20% SILT. <2% FG 1% MG. STAINED W/ CALICHE.
											6			
											7			
											8			
									SP/F		9		?	
											10			

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56 | Borehole/Well No.: SF229-03

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recvd	Sample Cond.	HNU/TID	Analysis		Laboratory Code	USCS	Depth (ft)	Recovery	Contact	Description
			12	9	G	0Z/1.5					0		?	0'? SAND (SP) BROWN (10YR 4/6) MOIST, MED DENSE, LOW EST IK, VFG SUBANG. SAND, 2-3% CLAY, 15% SILT, 5-10% FG
										SP	1			
											2			
											3			13' SAND (SP) BROWN (10YR 4/6) MOIST. MED. DENSE, LOWEST IK, VFG SUBANG SAND, 15% SILT, 10% FG 1-2% MG CA.
KAFB-SF229-03 14/6			24	22	G	0Z/1.5 AT-40 0-0	SVOC	TOD		SP	4			
						0Z/1.5 AT-40 0-0	VOC	GRO		GMP	5			SANDY GRAVEL (GW) BROWN (7.5YR 6/4) DRY, DENSE, MOD. EST. IK, FG-MG. SUBANG. SAND <5% SILT, 5% VFG, 15-20% CG SUBRND PEBBLES TO 15mm ϕ. COMMON. COARSENS WITH DEPTH.
							MEDIUM	Hy ph	MOIST		6			
											7			
											8			
											9			
						0Z/1.5				GMP	10			
						0Z/1.5					11			
			12	11	G	0Z/1.5					12			
						0Z/1.5					13			
						0Z/1.5					14			
						0Z/1.5					15			
						0Z/1.5					16			
						0Z/1.5					17			
						0Z/1.5					18			
						0Z/1.5					19			
						0Z/1.5					20			19'? SILTY SAND (SM) BROWN (7.5YR 4/6) MOIST, MED. DENSE, LOW EST IK, VFG SUBANG SAND. 5% CLAY, 15-20% SILT 1-2% FG-MG. WEATHERED BIOTITE COMMON
						0Z/1.5					21			
			24	18	G	0Z/1.5					22			
KAFB-SF229-03 21/23						0Z/1.5 AT-40 0-0	SVOC	TPHD		SM	23			23.5' CLAYEY SAND (SC) BROWN (10YR 4/4) MOIST, MED. DENSE, V. LOW IK, VFG SUBANG SAND 15-20% CLAY 20-25% SILT.
							VOC	GRO			24			
							MEDIUM	Hy ph	MOIST		25			
											26			
											27			
											28			
											29			
											30			

PROFESSIONAL GEOLOGIST
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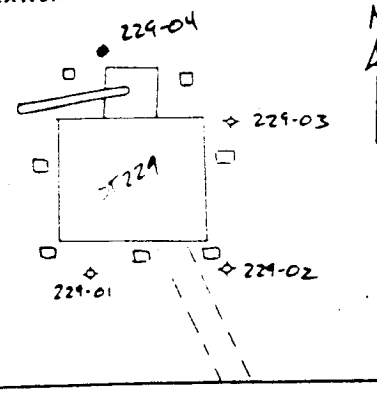
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: ST229-04
	Job No: 2A56
Logged By: J. Pavletich	Edited By: JP
Project Manager: K. Walter	Drill Rig: Geoprobe
Drilling Contractor: BOE	
Driller/Helper: B. Wolfe / S. CAMP	
Drilling Method: Geoprobe Construction Method Code: V (driven), HA = Hand Augered	
Sample Method: LARGE-BORE SAMPLER	
Hammer Weight/Drop: N.A.	Borehole Diameter: 1.375"
Started, Time: 1135	Date: 5-13-94
Completed, Time: 1243	Date: 5-13-94

Notes:

BACKGROUND β = 8.5 mR/HR

HNu/PID	0	11.75					
β-γ (cpm)	20-40						
Time	1135						
Date	5-13-94						

Total Depth: 23 ft | Casing Depth:

Screened Interval:

Sand Pack, #3: #0:

Well Development Method:

Time: Date: Flow Rate:

Geophysical Logs, Type:

By: Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/PID Reading	Analyses		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
									SDW					ASPHALT 4"-5" THICK
									SDW		1			SAND (SP) BROWN (10YR 7/4) DRY, MED. DENSE,
														MOD. SOT. IR, FG-MG. SUBANG. SAND, 5% VFG, 10-15% CG, 1% RD
											2			
											3			
									SDW		4		?	
						0/1.5 ppm 0-8'								?? SAND (SP) BROWN (10YR 6/4) MOIST, MED. DENSE, LOW CEM
			12	11	G						5			IR, VFG SUBROUND. SAND 5-10% SILT, 15% FG. STAINED w/?
														CALICHE
											6			
											7			
											8			
											9			
									SDW-SDW					
											10			

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56 | Borehole/Well No.: SFZZ9-04

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recv'd	Sample Cond.	HNu/OVA PID	Analysis		Lithology Code	Soil/Rock Symbol	Depth (ft)	Recovery	Contact	Description
			12	7	4	0/1.5					11			11' ? SAND (SP) BROWN (7.5 YR 5/6) MOIST, MED. DENSE
														LOW-MED EST IK, VFG-FG SUBANG SAND 5-10% SILT, 5% MG
											12			10% CG.
											13			
										SOFT				13' SILTY SAND (SM) BROWN (7.5 YR 5/6) MOIST. MED DENSE.
											14			LOW EST IK VFG-FG SUBANG SAND 5% CLAY, 15-20% SLT 5% MG
KAFB-SFZZ9-04 11/6			24	21	4	0/1.5	SVOC	SOLID			15			ABUNDANT WEATHERED BOTTLE
						158.4-160.4 8.9	VOC	SOLID		SOFT				SANDY GRAVEL (GW) BROWN (7.5 YR 5/6) MOIST, DENSE.
							METALS	Hg/PA	WATER		16			MED. EST. IK, SUBANG - SUBRND. PEBBLES TO 20 mm ϕ <10% SILT f
														VFG, 15-20% FG-MG, 20% CG.
											7			
											8			
											9			
										SOFT/ SOFT	10		?	19' ? SAND (SW) BROWN (7.5 YR 4/6) MOIST, MED. DENSE.
											20			LOW EST IK, MG-CG SUBRND SAND. 5% SILT, 10-15% VFG-FG
			12	10	4	0/1.5				SOFT				5% CG.
						158.4-160.4					21			20.5' CLAYEY SILT (MH) BROWN (7.5 YR 4/6) MOIST, MED STIFF-
			24	18	4	0/1.5								STIFF, LOW EST IK, 30-40% CLAY, 1-5% VFG.
KAFB-SFZZ9-04 21/6						158.4-160.4 0.0	SVOC	SOLID			22			22' SAND (SP) BROWN (7.5 YR 4/6) MOIST, MED. DENSE LOW
							VOC	SOLID		SOFT/ SOFT				MED. EST IK, FG-FG SUBANG SAND. 5% SILT. 1-2% MG
							METALS	Hg/PA	WATER		23			ABUND. WEATHERED BOTTLES.
											4			
											5			
											6			
											7			
											8			
											9			
											0			

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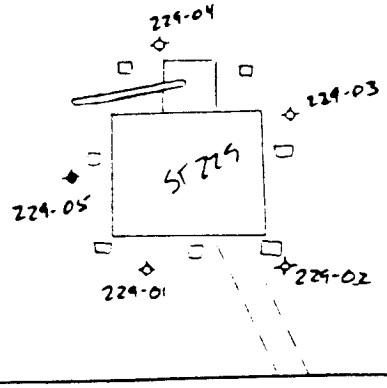
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: SB29-05
	Job No: 2A56
Logged By: J. Pavlotich	Edited By: JP
Project Manager: K. Walker	Drill Rig: Geoprobe
Drilling Contractor: BRE	
Driller/Helper: B. Wolfe / S. CAMP	
Drilling Method: Geoprobe Construction Method Code = V (driven), HA = Hand Augered	
Sample Method: LARGE BORE SAMPLER	
Hammer Weight/Drop: NA	Borehole Diameter: 1.375"
Started, Time: 1250	Date: 5-13-94
Completed, Time: 1410	Date: 5-13-94

Notes:

BACKGROUND β = 8

HNu/FID	0 / 1.5					
β-γ (cpm)	40-60					
Time	1305					
Date	5-13-94					

Total Depth: 24 FT. Casing Depth:

Screened Interval:

Sand Pack, #3: #0:

Well Development Method:

Time: Date: Flow Rate:

Geophysical Logs, Type:

By: Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact
									SAND		1		
											2		
											3		
									SAND		4		?
			12	8	4	0/2 NA-benzene					5		
											6		
											7		
											8		
											9		?
									SAND		10		

LITHOLOGIC DESCRIPTIONS

ASPHALT 4"-6"

SAND (SP) BROWN (7.5YR 4/6) DRY, MED. DENSE

MED. EST IL, MG SUBANG. SAND 5% SILT 15-20% VFG.

15-20% CG.

4'8" SAND (SP) BROWN (7.5YR 5/6) MOIST, MED. DENSE,

LOW EST IL, MG SUBANG SAND. 10% SILT, 15% FG. +20 MG-CG.

CALICHE STAINED PARTICLES TO 15mm ϕ BLACK STAINED

PARTICLES TO 5mm ϕ at 5.5'

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56 | Borehole / Well No.: SB229-05

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recvd	Sample Cond.	PID/FID (ppm)	Analysis		Lithology Code	(ppm)	Depth (ft)	Recovery	Contact	Description
			12	10	G	0/1.5					10			?? SILTY SAND (SM) BROWN (7.5YR 4/6) MOIST, MED. DENSE. LOW EST. IL, VFG-FG, SUBANG. SAND, 2-3% CLAY, 15% SILT, 1-2% MG., OCCAS. SUBANG, PEBBLES TO 1/4mm
											11			
											12			
											13			
											14			
SB-SB229-05 14/16			24	18	G	0/1.5	SVOC	DRO			15			14.75' SAND (SP) FG SUBANG AT 14.75'-15.75'
							VOC	GRO						15.75' SILTY SAND (SM) BROWN (7.5YR 4/6) MOIST, MED. DENSE, LOW EST IL, VFG-FG SUBANG SAND. 2-3% CLAY, 15-20% SILT, 3% MG., 1% CG. WEATHERED BIOTITE COMMON.
							METALS	Hg PA	MOIST		16			
											17			
											18			
											19			
											20			20.5' CLAYEY SAND (SC) BROWN (7.5YR 4/6) MOIST, DENSE, LOW EST IL, VFG-FG SUBANG. SAND. 20% CLAY, 15-20% SILT, ABUND. WEATHERED BIOTITE
			TV	11	G	0/1.5					21			
SB-SB229-05 21/24			36	18	F	0/1.5					22			21-24' SAME AS AT 20.5'
											23			
											24		TD	
											5			
											6			
											7			
											8			
											9			
											0			

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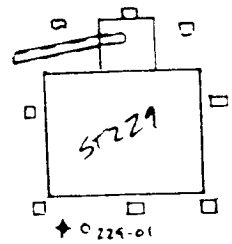
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: SS229-06
	Job No: 2A56
Logged By: J. Pavletich	Edited By: JP
Project Manager: K. Walter	Drill Rig: Geoprobe
Drilling Contractor: BNZ	
Driller/Helper: B. Wolfe	
Drilling Method: Geoprobe Construction Method Code: DV (driven), HA = Hand Augered	
Sample Method: LARGE BORE SAMPLES	
Hammer Weight/Drop: N A	Borehole Diameter: 1.375"
Started, Time: 1520	Date: 7-5-94
Completed, Time: 1755	Date: 7-5-94

Notes: THIS BORING IS A REPLICATE OF BORING 229-01 TO COLLECT SOIL & FIELD SAMPLES THAT PASSED LAB HOLDING TIMES * DID NOT OBTAIN CONTINUOUS RECORD FOR THIS PART OF HOLE (0-14 FT.)

BACKGROUND 7 < 10 DB/AP

HNu/PID	0/
β-γ (cpm)	60-80
Time	1520
Date	7-5-94

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Total Depth:	30 FT
Screened Interval:	
Sand Pack, #3:	
Well Development Method:	
Time: Date:	
Geophysical Logs, Type:	
By:	

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/PID Reading	Analyses	Lithology Code	Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
								SAND	1			ASPHALT 4" THICK
												SAND (SP) LIGHT YELLOW BROWN (10YR 6/4) DRY,
									2			LOOSE MED DENSE. MOD-HIGH EST. IR, PLG SUBANG.-ANG SAND
												5-10% SILT 10% VFG 10% FG. 5-10% OG.
									3			
									4		?	
								SAND/ GRAVEL				4'? SAND (SP) YELLOWISH BROWN (10YR 5/6) MOIST, MED. DENSE
			12	7	4	0/-			5			MED EST. IR VFG-FG SUBANG SAND. 5% SLT 2-3% MG.
												DISC. SUBANG. PEBBLES TO .4mm ϕ. SOAKED W/ CALGON.
									6			AT 5.5 FT.
									7			
									8			
									9			
								SAND	10		?	

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56

Borehole / Well No.: SB29-04

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recv'd	Sample Cond.	HNu/PID	Analysis		Lithology Code	(SPT)	Depth (ft)	Recovery	Contact	
			12	7	G	0/— BH=0-9.0 2-9					11			9.7' SILTY SAND (SM) STRONG BROWN (7.5YR 5/6) MOIST, MED. DENSE, MOD. EST. IK. VFG-FG SUBANG SAND. 5% CLAY, 10-15% SILT <1% MG. WEATHERED BIOTITE COMMON
											12			
											13			
KAFB-SB29-04-14/16 KAFB-SB29-04-14/16			24	22	G	0/0.15 (BH=0-5.0) BH=8.0-12.0				SM	14			13'7" SILTY SAND (SM) STRONG BROWN (7.5YR 4/6) MOIST, MED. DENSE, LOW EST. IK. VFG-FG SUBANG. SAND. 5% CLAY, 15-20% SLT. 2-5% MG. OCCAS. ANG. PEBBLES TO 4mm ϕ
							SIEVE	FOD		SAND	15			SAND (SW) STRONG BROWN (7.5YR 4/6) MOIST, MED. DENSE
							SIEVE	FOD - R		SAND	16			MOD EST. IK. FG SUBANG. SAND. 5-10% SILT 5-10% FG. 5-10% MG 5-10% CG. 5% SUBANG PEBBLES TO 6mm ϕ.
											17			15.75' SILTY SAND (SM) STRONG BROWN (7.5YR 4/6) MOIST, MED. DENSE, LOW EST. IK. VFG SUBANG. SAND. 5% CLAY. 10-15% SLT. 5-10% FG. 2-3% MG. 1% CG; OCCAS. CALICHE NODULES TO 3mm ϕ
											18			
											19			CLAYEY SAND (SC) STRONG BROWN (7.5YR 4/6) MOIST, MED. DENSE LOW EST. IK, VFG SUBANG. SAND. 10-20% CLAY, 15-20% SLT
KAFB-SB29-04-21/23 KAFB-SB29-04-21/23 MS/MSD			12/	7	G	0/10 (BH=8-13) BH=13.0-21.0				SAND	20			
			24	17	G	0/1 (BH=13.0-21.0) BH=13.0-21.0	SIEVE	FOD		SAND	21			20'5" CLAYEY SILT (ML) STRONG BROWN (7.5YR 4/6) MOIST, MED STIFF LOW EST. IK. 20-25% CLAY 5-10% VFG
							SIEVE	FOD - MG/CG		CLAY	22			22.75' SILTY CLAY (CL) BROWN (7.5YR 4/4) MOIST. MED STIFF. V. LOW EST IK, 10-15% SILT.
											23			
										SAND	24			24' CLAYEY SAND (SC) STRONG BROWN (7.5YR 4/6) MOIST MED DENSE, LOW EST. IK. VFG SUBANG SAND. 20-25% CLAY. 75-20% SLT. 2-3% FG.
			12	11	G	0/2.5 (BH=23.0-25.5) BH=23.0-25.5					25			
											26			
											27			27' SILTY SAND (SM) LIGHT BROWN (7.5YR 6/4) MOIST, MED DENSE LOW EST. IK, VFG SUBANG SAND 5-10% CLAY, 15-20% SLT. 2-3% FG MOTLED & STAINED W/ CALICHE. CALICHE DECREASING W/ DEPTH. TO ABOUT 29.75' THEN BY 35-30 FT. HEAVY CALICHE STAINING.
KAFB-SB29-04-28SD			24	22	G	0/ (BH=25.5-28.0) BH=25.5-28.0	SIEVE	OILD GRSD			28			
							VOC HEADSPACE			MOISTURE	29			
											30			

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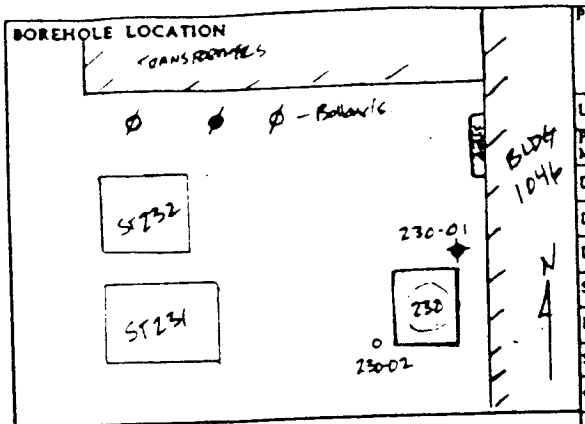
BOREHOLE / WELL CONSTRUCTION LOG



Project: KAFB Stage 2B	Borehole/Well No: SS-230-01
	Job No: 2A56
Logged By: J. Pavletich	Edited By: JP
Project Manager: K. Walker	Drill Rig: Geoprobe
Drilling Contractor: BARE	
Driller/Helper: B. Wolfe / M CHRISTIAN	
Drilling Method: Geoprobe Construction Method Code: √V (driven), HA = Hand Augered	
Sample Method: LARGE BORE SAMPLER	
Hammer Weight/Drop: N.A	Borehole Diameter: 1.375"
Started, Time: 0830	Date: 03-31-94
Completed, Time: 1030	Date: 03-31-94

Notes: 1ST ATTEMPT AT SAMPLING UNSUCCESSFUL, ANOTHER HOLE.
ONLY THE PID WAS USED TO SCREEN THIS BOREHOLE
5'.6'

Water Depth	
Boring/Casing Depth	
Time	
Date	

Total Depth: 22 FT — Casing Depth:
Screened Interval:
Sand Pack, #3: — #0:
Well Development Method:
Time: — Date: — Flow Rate:
Geophysical Logs Type: — Date:
By:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/PID Reading	Analyses		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
														0-0.5' ASPHALT OVERLYING BACKFILL
											1			@ 1.5': SILTY SAND (SM) BROWN (10YR 4/4) DRY DENSE
											2			MED-CG SAND 20-30% SILT. 5-10% VFG, 10% ANG. PEBBLES
														TD 5mm Ø
											3			
														STILL POSSIBLY IN FILL MATERIAL
											4			
											5			
SS230-01-0506			24	18	9	7-10 ppm	VOC	GRO						6.5' SILTY SAND (SM) LT. BROWN (10YR 7/3) DRY, DENSE, LOW EST IK
SS230-01-0506-DUP						7-10	VOC	GRO	R		6			VFG-FG ANG SAND, 20% SILT, 2-3% MG-CG, RARE ANG. PEBBLES TO 5mm Ø
							METALS	Hy PH	MOIST					
SS230-01-0607			24	20	9	5-10 ppm	METALS	Hy PH	MOIST	R	7			SILTY SAND (SM) DK BROWN (10YR 3/4) MOIST, DENSE.
							SVOC	DRO						LOW EST IK, FG-MG ANG. SAND 15-20% SILT 15% VFG, 2-3%
							SVOC	DRO	R		8			CG SAND
														SILTY SAND (SM) RED BROWN (10YR 5/4) MOIST, V. DENSE.
											9			VFG-FG, SAND 20-30% SILT, 5-10% MG-CG. 1% SUBANG.
														PEBBLES TO 5mm Ø
											10			

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56

Borehole / Well No.: SF-230-01

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/PID	Analysis		Lithology Code	Depth (ft)	Recovery	Contact	
KAFB-SF-230-01 10N2			24	22	G	6-12 ppm	VOC	GRAB		10			10-10.5' SAME AS AT 6.5', ROOTLETS TO 25mm Ø
							SVOC	DISC					10.5-12 SILTY SAND (SM) BROWN (7.5YR 5/6) MOIST, DENSE, LOW PLAST.
							METALS	Hg	MOIST	11			FG-MG ANG. SAND. 20-25% SILT, 5-10% MG. 1% CG. CALCITE FILLED TO 3mm Ø
										12			
										13			
										14		?	? SILTY SAND (SM) BROWN (7.5YR 4/6) MOIST, DENSE. LOW PLAST IK.
													FG SAND 15% SILT 15% VFG, 5% MG. TRACE SUBANG. ROOTLETS
			18	18	6					15			TO 5mm Ø ABUNDANT WEATHERED BIOTITE
										16			16'
													SILTY SAND (SM) BROWN (7.5YR 4/6) MOIST, DENSE LOW PLAST IK.
										17			VFG-FG SAND 15-20% SILT, 1-2% MG. ABUND. WEATHERED
													BIOTITE
										18			
										19		?	? SILTY SAND (SM) BROWN (7.5YR 4/4) MOIST, DENSE, LOW PLAST IK.
KAFB-SF230-01 2022			24	22	G	10-13 ppm	VOC	GRAB		20			VFG SAND. 15% SILT, 15% FG. 1-2% MG. SAND.
							SVOC	DISC		21			
							METALS	Hg	MOIST	22		TD	SILTY SAND (SM) BROWN (10YR 4/6) MOIST, DENSE LOW PLAST IK.
													VFG-FG SAND, 20-25% SILT 1-2% MG. CARBON. WEATHERED BIOTITE
										23			
										24			
										25			
										6			
										7			
										8			
										9			
										0			

PROFESSIONAL GEOLOGIST
JOSEPH P. PAVLETICH
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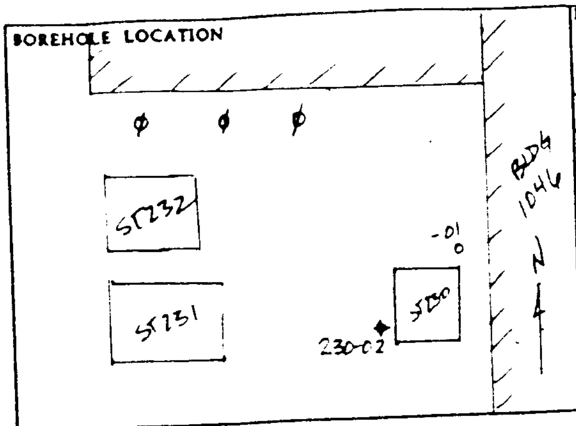
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: ST-230-02
	Job No: 2A56
Logged By: J. Pavlcich	Edited By: JP
Project Manager: K. Walker	Drill Rig: Geoprobe
Drilling Contractor: BCE	
Driller/Helper: B. Wolfe / M. CHRISTIAN	
Drilling Method: Geoprobe Construction Method Code = V (driven), HA = Hand Augered	
Sample Method: LARGE BORE SAMPLER	Borehole Diameter: 1.375"
Hammer Weight/Drop: N.A	
Started, Time: 930	Date: 03-31-94
Completed, Time: 1200	Date: 03-31-94

Water Depth						
Boring/Casing Depth						
Time						
Date						

Notes:
ONLY THE PID USED TO SCREEN THIS BOREHOLE

5', 10'

Total Depth: 22 FT
Casing Depth:
Screened Interval:
Sand Pack, #3: #0:
Well Development Method:
Time: Date: Flow Rate:
Geophysical Logs, Type: Date:
By:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/PID Reading	Analyses		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
										5DA	0			ASPHALT & FILL
											1			SILTY SAND (SM) BROWN (7.5YR 4/4) DAMP. MED. DENSE LOW MOIS EST IK, FG-MG SAND. 15-20% SILT 10-15% VFG 5-10% CG COMMON SUBANG, PEBBLES TO ~~[illegible]~~ CALICHE STAINED ~~[illegible]~~ TO 15mm Φ
											2			
											3			
											4			
											5			
KAFB-ST230-02 0507			24	18	4.	0 ppm	SVOC, VOC, METALS	8260, 8240, Hg pH	MOIST.		6			SILTY SAND (SM) LT. BROWN (7.5YR 6/5) MOIST, MED DENSE LOW EST IK, VFG-FG SAND. 20-25% SILT, 1% MG. (VITREOUS QTZ GRAINS) CALICHE STAINED
										5DA	7			
											8			
											9			
											10			

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56 | Borehole/Well No.: ST-230-02

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/PID	Analysis		Lithology Code	(USCS)	Depth (ft)	Recovery	Contact	Notes
KAFB-ST230-02 10/14			48	19	G.									
										SP/W. STAND	11		?	SAND (SP) BROWN (7.5YR 5/6) MOIST, MED. DENSE. LOW EST IK. FG-MG ANG. SAND. 10-15% VFG. 2-5 CG.
											12			
						0-11ppm	SVOC	DRO.			13			13.5' SILTY SAND (SM) BROWN (7.5YR 3/4) MOIST DENSE LOW EST IK. VFG-FG. SAND 15-20% SILT 2-5% MG. ABUND. WEATHERED BIOTITE
							VOC	GRO						
							METALS	Hg pH	MOIST	5Y3/2	14			
			18	17	G.	2-4ppm								
											15			@ 15.5' SILTY SAND (SM) BROWN (7.5YR 4/6) MOIST DENSE LOW EST IK. VFG-FG SAND 25% SILT. 1-2% MG. WEATHERED BIOTITE COMMON
										5Y3/2	16			
											17			
											18			
											19			
											20			
KAFB-ST230-02 2022			24	22	G	2.3ppm	VOC	GRO						20.5' SILTY SAND (SM) BROWN (10YR 5/4) MOIST, DENSE LOW EST IK, VFG-FG SAND. 15-20% SILT, 2-5% MG. CALCITE STRINGERS THICKNESS TO 5MM Ø
							SVOC	DRO			21			
							METALS	Hg pH	MOIST.	5Y3/2				
											22			
											3			
											4			
											5			
											6			
											7			
											8			
											9			
											0			

PROFESSIONAL GEOLOGIST
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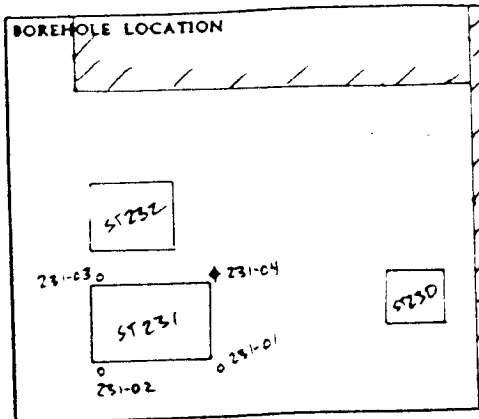
WYOMING

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: ST-231-04
	Job No: 2A56
Logged By: J. Pavletich	Edited By: JP
Project Manager: K. Walker	Drill Rig: Geoprobe
Drilling Contractor: B & RE	
Driller/Helper: B. Wolfe / M. CHRISTMAN	
Drilling Method: Geoprobe Construction Method Code = D (Driven), HA = Hand Augered	
Sample Method: LARGE BORE SAMPLER	
Hammer Weight/Drop: NA	Borehole Diameter: 1.375"
Started, Time: 1010	Date: 04-04-94
Completed, Time: 1100	Date: 04-04-94

Notes:

B-3 EXCLAVATED : 60- [illegible] PM

~~Water Depth~~	NNJ	0.1				
~~Boring/Casing Depth~~ BTE		0				
Time		1032				
Date		04-04-94				

Total Depth: 15 FT | Casing Depth:

Screened Interval:

Sand Pack, #3: #0:

Well Development Method:

Time: Date: Flow Rate:

Geophysical Logs Type:

By: Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/PID Reading	Analyses		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
						0ppm/0ppm 0.0-0.0			SM		1			SURFACE ASPHALT & FILL
														SILTY SANDS (SM) BROWN (7.5YR 4/4) MOIST MED DENSE, LOW ME
											2			EST IK. VFG-FG ANG. SAND 15-20% SILT 1-2% MG-CG SANDS
														ROOTS. ANG. PEBBLES TO 10mm @ HEAVILY ROOTED AT CONTACT
											3			7.5 20-30% SILT 1% MG SANDS
											4			
									SM		5			SILTY SANDS (SM) TAN (7.5YR 6/3) MOIST MED DENSE. LOW EST IK
			18	12	F									VFG ANG. SANDS 20-30% SLT <1% FG-MG. RARE ANG PEBBLES TO
											6			7mm ϕ LIGHT COLOR DUE TO CALICHE
											7			
											8			
KAFB-ST231-04 0DN			36	22	G	0ppm/0ppm 0.0-2.0	SIEVE	MOIST	SM/SW		9			SAND (SW) BROWN (7.5YR 5/4) MOIST MED. DENSE MOD EST IK
											10			VFG-FG ANG. SANDS. 10% SLT 1-2% MG.

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56 | Borehole/Well No.: ST-231-04

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/PID	Analysis		Lithology Code	(Diff. Time)	Depth (ft)	Recovery	Contact
						Orange/Green	VOC / METALS	GRAB / Hy pH	ROCK		11		
											12		
											13		SILTY SAND (SM) BROWN (7.5YR 4/4) MOIST MED DENSE ORG ODOR
KAFB-ST231-04 13.5'			24	22	9	Yellow/Orange 10-20-40 mm	SVOC	GRAB		5M	14		VFG ANG SAND 20-30% SILT 5% FG. 1% MG-CG. COMMON WEATHERED BIOTITE
							VOC / METALS	GRAB / Hy pH	MOIST		15		T.D.
											6		
											7		
											8		
											9		
											20		
											1		
											2		
											3		
											4		
											5		
											6		
											7		
											8		
											9		
											0		

PROFESSIONAL GEOLOGIST
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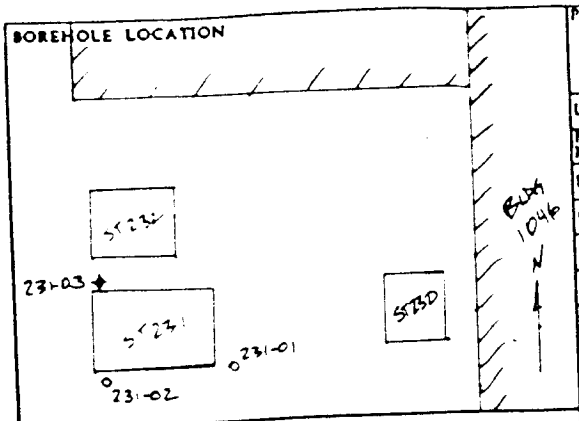
WYOMING

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No.: ST-231-03
	Job No.: 2A56
Logged By: J. Pavletich	Edited By:
Project Manager: K. Walker	Drill Rig: Geoprobe
Drilling Contractor: E²RE	
Driller/Helper: B. Wolfe / M. CHRISTIAN	
Drilling Method: Geoprobe Construction Method Code: (V) (driven), HA = Hand Augered	
Sample Method: LARGE-BORE SAMPLER	
Hammer Weight/Drop: NA	Borehole Diameter: 1.375"
Started, Time: 0900	Date: 04-04-94
Completed, Time: 1010	Date: 04-04-94

Notes: SAMPLES @ 0' & 5'

BACKGROUND @ 60-140 CPM

~~Water Depth~~ HNU	0	0			
~~Boring/Casing Depth~~ OVA	0	0			
Time	0911	1045			
Date	04-04-94	04-04-94			

Total Depth: 15 FT — Casing Depth:

Screened Interval:

Sand Pack, #3: #0:

Well Development Method:

Time: Date: Flow Rate:

Geophysical Logs Type: Date:

By:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/PID Reading	Analyses		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
														ASPHALT AT SURFACE
			12	6	E		-		SM		1			SILTY SAND (SM) BROWN (7.5YR 4/4) MOIST, MED DENSE. LOW-MOD.
														EST 1K YFG-FG ANG SAND. 15-20% SILT, 1-2% MG-CG SAND.
											2			OCCAS. ANG. PEBBLES TO 1Dmm. HEAVILY MOTTLED W/ CALICHE
											3			
											4			
											5			SAME AS AT 0.5'
			18	14	G						6			
											7			
									SM		8			(NOTE: NO RECOVERY, 8-10 FT)
			48	22	G	0ppm					9			
											10			

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56 | Borehole/Well No.: SF-231-03

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recv'd	Sample Cond.	HNu/PID	Analysis		Lithology Code	(START)	Depth (ft)	Recovery	Contact
KAFB-SF231-03 CB 12							SVOC	DRO		START	11		
							VOC	GRO					
							METALS	Hg PH	MOIST		12		
KAFB-SF231-03 13/5			24	24	VG	0 ppm	SVOC	DRO			13		
							VOC	GRO		SOIL-ROCK INTERFACE 14.5 FT	14		
							METALS	Hg PH	MOIST		15		
											16		
											17		
											18		
											19		
											20		
											1		
											2		
											3		
											4		
											5		
											6		
											7		
											8		
											9		
											0		

7% SILTY SAND (SM) BROWN (7.5YR 4/4) MOIST, DENSE, MOD BEDDED

1% FG-MG ANG SAND. 15% SILT, 15% VFG; 5-10% MG-CG.

5% SUBANG. SURFACE PEBBLES TO 20 MM Ø

SAND (SW) BROWN (7.5YR 5/6) MOIST MED DENSE. MOD BEDDED.

FG ANG SAND 10% SILT. 0% VFG 1-2% MG-CG SAND

SAND (SP) BROWN (7.5YR 4/6) MOIST MED DENSE LOOSE BEDDED

VFG - FG. ANG. SAND 10% SILT, 0-15% MG, 1-2% CG. WEATHERED

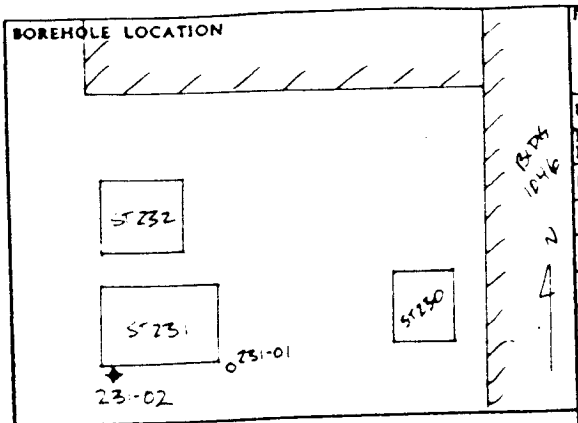
ROCK CONTACT

PROFESSIONAL GEOLOGIST
JOSEPH P. PAVLETICH
PG-1990
WYOMING

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: SF-231-02
	Job No: 2A56
Logged By: J Pavletich	Edited By: JP
Project Manager: K Walter	Drill Rig: Geoprobe
Drilling Contractor: BJE	
Driller/Helper: B. Wolfe / M. CHAGNON	
Drilling Method: Geoprobe Construction Method Code = V (driven), HA = Hand Augered	
Sample Method: LARGE - BORE SAMPLER	
Hammer Weight/Drop:	Borehole Diameter:
Started, Time: 1400	Date: 03-31-94
Completed, Time: 1516	Date: 03-31-94

Notes:

ONLY THE PID USED TO SCREEN THIS BOREHOLE

Water Depth						
Boring/Casing Depth						
Time						
Date						

Total Depth: 17 FT — Casing Depth:

Screened Interval:

Sand Pack, #3: — #0:

Well Development Method:

Time: — Date: — Flow Rate:

Geophysical Logs, Type:

By: — Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/PID Reading	Analyses		Lithology Code	Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
									SM				ASPHALT + FILL
										1			SILTY SAND (SM) BROWN (7.5YR 4/4) MOIST, LOOSE - MED. DENSE,
													LOW EST IK, VFG-FG SAND 15-20% SILT, 2-5% MG-CG SAND.
										2			PEBBLES TO 15mm @ CONTACT
										3			
									SM				SILTY SAND (SM) BROWN (7.5YR 6/4) MOIST MED DENSE LOW-MOD EST IK
										4			FG SAND 15% SILT, 5% VFG, 2-5% MG-CG HEAVILY CALCITE COATED
										5			
									SM	6			
										7			
EAMW-SF231-02-0911			24	22	4	ND	SVOC	PEST					SILTY SAND (SM) TAN (7.5YR 5/6) MOIST MED DENSE LOW-
EAMW-SF231-02-0911							SVOC	PEST		8			MOD EST IK, VFG-FG SAND 15% SILT 1-2% MG-CG M/HARD
							METALS	Hg PH					CALCITE COATED TO 12mm @
			24	22	4		METALS	Hg PH	SM	9			
										10			

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56 | Borehole/Well No.: ST-23(-02

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recv'd	Sample Cond.	HNu/PID	Analysis		Lithology Code		Depth (ft)	Recovery	Contact	
						NS	VOC	GRAB			10			@ 11' same as at 9.4'
							VOC	GRAB			11			
											12			SILTY SAND (SM) BROWN (7.5YR 4/4) MOIST, MED DENSE LOW PLAST (L VFG-FG SAND, 20-25% SILT, 2-3% MG-CG. CALICHE COATED PEBBLES
KAFB-SF-231-02-13/R KAFB-SF-231-02-14/R (MS/MSD)			24	22	VG	ND					13			TO 10mm ϕ
							SVOC	DRO			14			
							SVOC	DRO	mg/kg					SILTY SAND (SM) BROWN (7.5YR 4/4) MOIST. MED DENSE LOW PLAST (L
							METALS	Hg only	MOIST.		15			FG-MG SAND 15-20% SLT 15% VFG, 2-3% CG. OCCAS ANG. PEBBLES
			24	18	G	ND								TO 7mm ϕ
							METALS	Hg only	MOIST	mg/kg	16			
							VOC	GRAB						SILTY SAND (SM) BROWN (7.5YR 4/6) MOIST MED. DENSE, LOW PLAST
							VOC	GRAB		MS/MSD	17			(L, FG-MG SAND 20-25% SLT, 15% VFG 2-5% CG. (3 ANG. PEBBLES
											18			
											19			
											20			
											1			
											2			
											3			
											4			
											5			
											6			
											7			
											8			
											9			
											0			

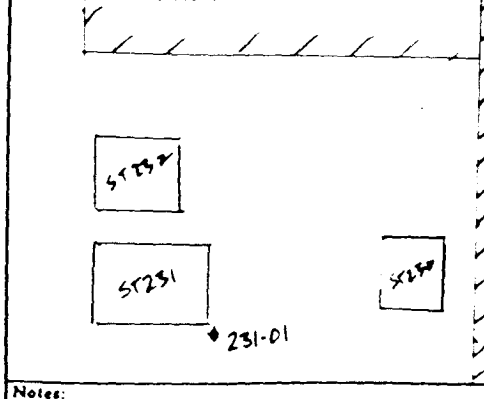
PROFESSIONAL GEOLOGIST
JOSEPH P. PAVLETICH
PG-1990
WYOMING

59

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: KAFB-231-01
	Job No: 2A56
Logged By: J. Pavlotich	Edited By: JP
Project Manager: K. Walker	Drill Rig: Geoprobe
Drilling Contractor: BRE	
Driller/Helper: B Wolfe / M CHISHAM	
Drilling Method: Geoprobe Construction Method Code: V (driven), HA = Hand Augered	
Sample Method: LARGE-BORE SAMPLER	
Hammer Weight/Drop: NA	Borehole Diameter: 1.375"
Started, Time: 1230	Date: 3-31-94
Completed, Time: 1400	Date: 3-31-94

Notes:
ONLY THE PID USED TO SCREEN FOR THIS BOREHOLE

6.3'

Water Depth					
Boring/Casing Depth					
Time					
Date					

Total Depth: 15FT | Casing Depth:
Screened Interval:
Sand Pack, #3: #0:
Well Development Method:
Time: Date: Flow Rate:
Geophysical Logs, Type:
By: Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/PID Reading	Analyses		Lithology Code	Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
										0			ASPHALT AT SURFACE
										1			SILTY SAND (SM) BROWN (7.5YR 4/4) MOIST, LOOSE -
													MED. DENSE, LOW EST. IK, VFG-FG SUBANG. SAND, 15-20%
			12	12	4	0ppm				2			SILT, 2-3% MG-CG SAND. OCCAS. PEBBLES TO 10mm ϕ
													SAT @ 2.5' (WATER)
										3			SILTY SAND (SM) BROWN (7.5YR 4/6) MOIST & LOOSE DENSE
													LOW EST IK, VFG-FG SAND 20-25% SILT 2-5% MG-CG SAND
										4			CALICHE BITS TO 2mm ϕ
										5			
			18	14	4	0ppm							SILTY SAND (SM) TAN (10YR 6/4) DRY, LOOSE - MED. DENSE LOWER IK
										6			VFG-FG SAND 20% SILT, 15% MG-CG. RARE ANG. PEBBLES TO
													7mm ϕ
										7			
										8			HEAVY CALICHE STAINING 8-8.5'
KAFB-SB231-01 DUP			24	22	V4	0ppm							-8.5'
							SVOC	TPH		9			SILTY SAND (SM) BROWN (7.5YR 4/6) MED DENSE LOW EST IK
							VOC	TPH					VFG-FG SAND 15-20% SILT 1-2% MG-CG RARE SUB ANG PEBBLES
							METAL	Hg	MOIST	10			TD 9.5FT ϕ

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56 | Borehole/Well No.: SS-231-01

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recv'd	Sample Cond.	HNu/PID	Analysis		Lithology Code	(SSID)	Depth (ft)	Recovery	Contact
											11		
											12		
										SSID-SSMD	13		
KAFB-SS31-01 13'5"			24	22	G	0ppm	SVOC	DRO			14		
							VOC	GRO					
							METALS	Hg PH	MOIST		15		
											6		
											7		
											8		
											9		
											0		
											1		
											2		
											3		
											4		
											5		
											6		
											7		
											8		
											9		
											0		

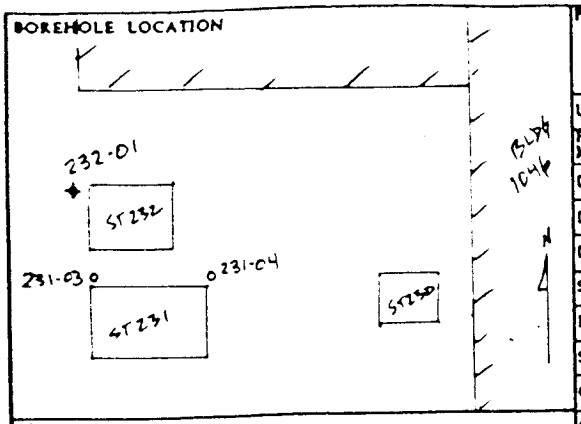
SAND (SP) BROWN (7.5YR 4/6) MOIST, MED. DENSE LOW-MOD EST IK. FA-MG SAND, 5-10% SILT, 5% MG-CG CAMMAM WEATHERED BIOTITE

PROFESSIONAL GEOLOGIST
JOSEPH P. PAVLETICH
PG-1990
WYOMING

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: SS-232-01
	Job No: 2A56
Logged By: J. Pavletich	Edited By: JT
Project Manager: K. Walter	Drill Rig: Geoprobe
Drilling Contractor: B & E	
Driller/Helper: B. Wolfe (SOLC)	
Drilling Method: Geoprobe Construction Method Code = V (driven), HA = Hand Augered	
Sample Method: LARGE-BORE SAMPLER	
Hammer Weight/Drop: NA	Borehole Diameter: 1.375"
Started, Time: 1102	Date: 04-04-99
Completed, Time: -"-	Date: 04-04-99

Notes:

Water Depth WNW	0 ft				
~~Boring/Casing Depth~~ BGS	0 ft				
Time	1110				
Date	04-04-99				

Total Depth: 15' Casing Depth:

Screened Interval:

Sand Pack, #3: #0:

Well Development Method:

Time: Date: Flow Rate:

Geophysical Logs, Type:

By: Date:

Sample ID	Sampler Type / depth	Blows / 6 inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/PID Reading	Analyses		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
			9	4	F				STA					ASPHALT AT SURFACE
											1			SILTY SAND (SM) BROWN (7.5YR 4/4) MOIST, MED. DENSE, LOW PLAST
														EST 1% VFG-FG ANG SAND. 15-20% SILT, 1% MG-CG SAND
											2			HEAVILY MOTTLED W/ CALICHE
											3			
											4			
									STA					
			18	12	F	ND/ BZ=80-120 CPM	1				5		?	SILTY SAND (SM) BROWN (7.5YR 4/4) MOIST MED DENSE LOW PLAST 1%
														VFG-FG ANG SAND. 20% SILT 1-2% MG-CG SAND. HEAVILY
											6			MOTTLED W/ CALICHE
											7			
											8		?	
			36	22	G	ND			SDF-SDFN				?	SAND (SP) BROWN (7.5YR 5/4) MOIST MED DENSE, MOD
							SVOC	DRO			9			PLAST 1% VFG-FG ANG. SAND 10% SILT 1% MG.
											10			

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56

Borehole/Well No.: SS 232-01

Notes:

Sample ID	Sampler Type	Blows / 6 inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/PID	Analysis		Lithology Code	(Stick Symbol)	Depth (ft)	Recovery	Contact
KAFB-SS232-01-0811							VOC	6020					
							METALS	Hg pH	ASBST		1		
											2		?
											3		?
KAFB-SS232-01-1315			24	22	G	NR/ND	SVOC	8260					
							VOC	6020			4		
							METALS	Hg PH	ASBST				
											5		TD.
											6		
											7		
											8		
											9		
											20		
											1		
											2		
											3		
											4		
											5		
											6		
											7		
											8		
											9		
											0		

SILTY SAND (SM) BROWN (7.5YR 4/6) MOIST. MED DENSE LOW EST PL
VFG ANG. SAND, 20-25% SLT, 10% FG, 1% MG-CG WEATHERED
BIOTITE COMMON

PROFESSIONAL GEOLOGIST
JOSEPH P. PAVLETICH
PG 1990
WYOMING

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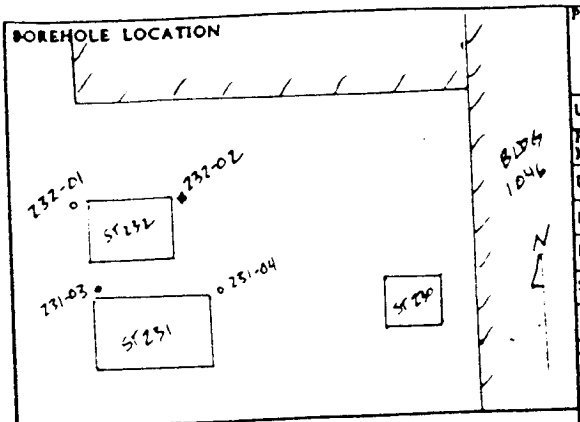
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: SS-232-02
	Job No: 2A56
Logged By: J. Pavletich	Edited By: JT
Project Manager: K. Walter	Drill Rig: Geoprobe
Drilling Contractor: B & E	
Driller/Helper: ~~B. Wolfe~~ M. CHRISTIAN (SOLO)	
Drilling Method: Geoprobe Construction Method Code = V (driven), HA = Hand Augered	
Sample Method: LARGE BORE SAMPLER	
Hammer Weight/Drop: NA	Borehole Diameter: 1.375'
Started, Time: 1201	Date: 04-04-94
Completed, Time: 1315	Date: 04-04-94

Notes:

~~Water Depth~~ NU	0					
~~Boring/Casing~~ Depth	0					
Time	1300					
Date	04-04-94					

Total Depth: 16 FT — Casing Depth:

Screened Interval:

Sand Pack, #3: — #0:

Well Development Method:

Time: — Date: — Flow Rate:

Geophysical Logs, Type:

By: — Date:

Sample ID	Sampler Type / depth	Blows / 6 inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/PID Reading	Analyses	Lithology Code	Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
			18	12	G	0/0		SM				ASPHALT AT SURFACE
									1			SILTY SAND (SM) BROWN (7.5 YR 4/6) MOIST, MED. DENSE, LOW EST. PL.
									2			VFG-FG, ANG. SAND 20-30% SILT, 1-3% MG-CG SAND MOTTLES ND
												CALICHE
									3			
									4			
									5			
			18	18	G							5-6.5', SAME AS AT 1.5'
									6			
									7			
									8			
			48	22	VG				9			
								SOIL-SDSN	10			

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56 | Borehole/Well No.: SP 232-02

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/PID	Analysis		Lithology Code	Depth (ft)	Recovery	Contact	Lithologic Description
KAFB-SP232-02 0812						0/0 6" Brown	SVOC	VOA		11			SAND (SP) BROWN (7.5YR 5/8) MOIST, MED. EST IK. VFG-FG ANG SAND 5-10% SILT +2% MG
						0/0 6" Brown	VOC	MPRO					
							PEST'S	Hg pH	MOIST	12			SILTY SAND (SM) BROWN (7.5YR 4/6) MOIST MED DENSE LOW EST IK VFG ANG SAND 20% SLT, 5% FG 1% MG. WEATHERED BIOTITE COMMON RARE ANG. PEBBLES TO 10mm ϕ
			36	22	VG					13			
KAFB-SP232-02 1310						0/0 6" Brown				14			SILTY SAND (SM) BROWN (7.5YR 5/4) MOIST MED DENSE LOW EST IK VFG-FG ANG. SAND 20-30% SLT 1-2% MG. WEATHERED BIOTITE COMMON
										15			
										16			SILTY SAND (SM) BROWN (7.5YR 4/6) MOIST, MED. DENSE LOW EST IK VFG-FG ANG SAND 20-30% SLT, 2% MG 1% CG. WEATHERED BIOTITE COMMON
										7			
										8			
										9			
										0			
										1			
										2			
										3			
										4			
										5			
										6			
										7			
										8			
										9			
										0			

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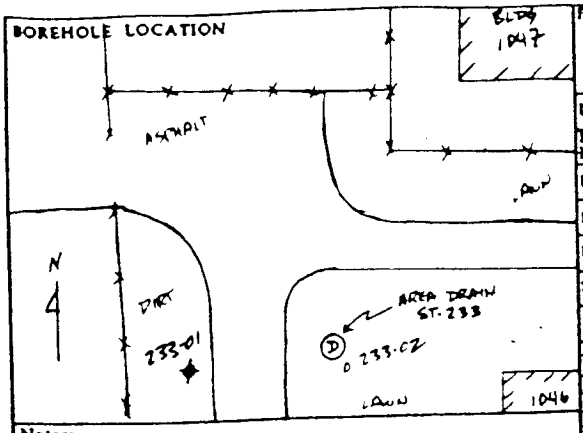
BOREHOLE / WELL CONSTRUCTION LOG



Project: KAFB Stage 2B	Borehole/Well No: ST-233-01
	Job No: 2A56
Logged By: J. Pavletich	Edited By: JP
Project Manager: K. Walker	Drill Rig: Geoprobe
Drilling Contractor: BRE	
Driller/Helper: B Wolfe / M. CHRISTIAN	
Drilling Method: Geoprobe Construction Method Code: (V (driven), HA = Hand Augered	
Sample Method: LARGE-BORE SAMPLER	
Hammer Weight/Drop: N.A.	Borehole Diameter: 1.375"
Started, Time: 1440	Date: 03-30-94
Completed, Time: 1552	Date: 03-30-94
Water Depth	
Boring/Casing Depth	
Time	
Date	

Notes:
ONLY THE PID WAS USED TO SCREEN THIS BOREHOLE

Total Depth: 19FT | Casing Depth:
Screened Interval:
Sand Pack, #3: #0:
Well Development Method:
Time: Date: Flow Rate:
Geophysical Logs, Type:
By: Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / ROD	PIDs/FID Reading	Analyses		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
									SDW		0			SURFACE SAND (SP) BROWN (7.5YR 4/6) MOIST, LOOSE - MED EST IK, FG ANG SAND 15-20% VFG, 5% MG, <1% CG.
											1			
											2			
											3			
											4			
											5			HEAVILY CALICHE STAINED 5-5.75'
			18						SPW		6	1'		SILTY SAND (SM) BROWN (7.5YR 5/6) MOIST. LOOSE-MED. DENSE VFG-FG SAND. 15% SILT. 1-2% MG-CG. RARE END PEBBLES TO 15 mm ϕ
											7			
											8			
KAFB-ST233-01 08/11			36	22	9						9			
						7 ppm	VOC		GRD		10			

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56 | Borehole/Well No.: ST-233-01

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/PID	Analysis		Lithology Code	(symbol)	Depth (ft)	Recovery	Contact
							SVOC	DRO					
							METALS	Hg PH	MOIST		11		
											12		
											13		
											14		
											15		
			48	22	4						16		
KAFB-ST233-01 1519						ND					17		
							SVOC	DRO			18		
							METALS	Hg PH	MOIST	SILT			
							VOC	GRO		SAND	19		TD
											20		
											1		
											2		
											3		
											4		
											5		
											6		
											7		
											8		
											9		
											0		

11 252 SILT

SILTY SAND (SM) BROWN (7.5YR 4/6) MOIST MED DENSE, LOW EST IR, VFG - FG, ANG. SAND. 20-25% SILT, 5% MG-CG SAND.

SILT (ML) BROWN (7.5YR 4/6) MOIST STIFF, LOW EST IR. 10% VFG. SAND. LOW - MOD PLASTICITY

SILTY SAND (SM) BROWN (7.5YR 4/6) MOIST MED. DENSE. LOW - MOD EST IR. VFG - FG SAND, 15-25% SILT, 2% MG-CG SAND.

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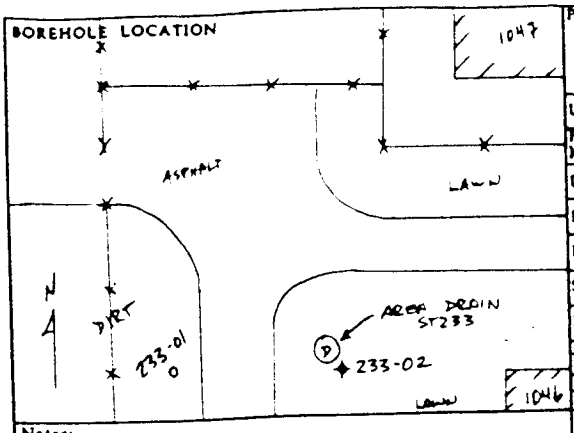
BOREHOLE / WELL CONSTRUCTION LOG



Project: KAFB Stage 2B	Borehole/Well No: ST-233-02
	Job No: 2A56
Logged By: J. Pavletich	Edited By:
Project Manager: K. Walker	Drill Rig: Geoprobe
Drilling Contractor:	
Driller/Helper: B. Wolfe	
Drilling Method: Geoprobe Construction Method Code = V (driven), HA = Hand Augered	
Sample Method:	
Hammer Weight/Drop:	Borehole Diameter:
Started, Time: 1550	Date: 03-30-94
Completed, Time: 1602	Date: 03-30-94

Notes:
ONLY THE PID USED TO SCREEN THIS BOREHOLE

Water Depth						
Boring/Casing Depth						
Time						
Date						

Total Depth: 8 INCHES — Casing Depth:

Screened Interval:

Sand Pack, #3: — #0:

Well Development Method:

Time: — Date: — Flow Rate:

Geophysical Logs, Type: — Date:

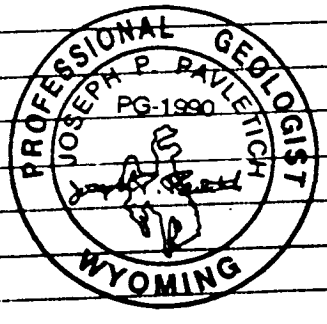
By:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/PID Reading	Analytes	Lithology Code	Depth in Feet	Recovery / Sample Loc.	Contact
									1		
						0 ppm	VOC GTO SVOC XTO METALS pH Ag Mo Se		2		
									3		
									4		
									5		
									6		
									7		
									8		
									9		
									10		

3 TUBES POUNDED SIDE-BY-SIDE INTO HOLE, BEGINNING ABOUT 2" BELOW SURFACE

LITHOLOGIC DESCRIPTIONS

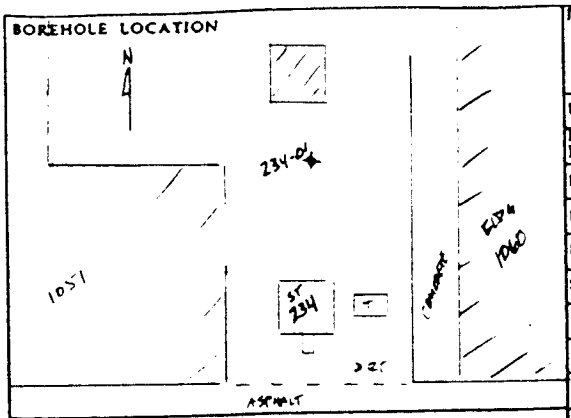
SAND (SP) BROWN (7.5YR 5/6) MOIST, LOOSE-MED. DENSE, LOW-MOD PLAST. IK, FG ANG. SAND, 5-10% SILT, 5-10% VFG, 1-2% MG-CG. AFCEE LITH CODE = SDFN



Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: SS-234-01
	Job No: 2A56
Logged By: J. Pavletich	Edited By: JP
Project Manager: K. Walter	Drill Rig: Geoprobe
Drilling Contractor: BRE	
Driller/Helper: ~~B Wolfe~~ S CAMP	
Drilling Method: Geoprobe Construction Method Code: V (driven), HA = Hand Augered	
Sample Method: LARGE BORE SAMPLER	
Hammer Weight/Drop: NA	Borehole Diameter: 1.375"
Started, Time: 0840	Date: 5-18-94
Completed, Time: 0945	Date: 5-18-94

Notes: BACKGROUND B = BNR/AQ

HNu/FID	0/2.5					
β-γ (cpm)	60-80					
Time	0835					
Date	5-18-94					

Total Depth: 15FT | Casing Depth:

Screened Interval:

Sand Pack, #3: #0:

Well Development Method:

Time: Date: Flow Rate:

Geophysical Logs, Type:

By: Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
									SOMF-SDFM		1			SAND (SP) BROWN (5YR 5/6) MOIST, MED-DENSE, LOW BT IK
														VFF-FG SUBRND SAND 5-10% SILT, 1-2% MG, 20% PEBBLES TO 45mm Ø SCATTERED ON SURFACE
											2			
											3			
											4			
			12	9	4	0/2.5 BG-80 B-8			SOMF-SDFM		5			4.7' SAND (SP) BROWN (7.5YR 5/6) MOIST, MED. DENSE, LOW BT IK, VFF-FG. SUBRND SAND 5-10% SILT, 1-2% MG. CALICHE PEBBLES TO 20mm Ø AT 5.5-6' WEATHERED BIOTITE COMMON
											6			
											7			8' SAND (SP) BROWN (10YR 6/6) MOIST, MED. DENSE, LOW BT IK, FG SUBRND SAND. 15-20% VFF 1% MG. OCCAS. SUBANG PEBBLES TO 5mm Ø
KAFB-STEM-0810			24	18	4	0/1.5 BG-40 B-8	SVOC	VOC	SOMF	STFM	8			
							MERC	TAL PST	MOIST		9			9.75' SILTY SAND (SM) BROWN (5YR 5/6) MOIST, DENSE, LOW BT IK, FG SUBRND SAND. 10% CLAY, 20% SILT, 15% VFF, 5% ANG WEATHERED BIOTITE COMMON
											10			

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56 | Borehole/Well No.: ST234-01

Notes

Sample ID	Sampler Type	Blows / 6 inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/PID	Analysis		Lithology Code	(SPT)	Depth (ft)	Recovery	Contact
KAFB-ST234-01 13.5-			24	18	G	0/.5 BZ: 60-80 0.8	SVOC	TPH			11 12 13 14 15 16 7 8 9 0 1 2 3 4 5 6 7 8 9 0		? TD
							VOC	HRO					
							METALS	Hg PH	MOIST	SPT			

12'? SILTY SAND (SM) BROWN (7.5YR 5/6) MOIST, MED. DENSE, LOW EST. IR, VFG-FG SUBANG SAND 5-10% CLAY, 25-25% SILT, 22 M.

14.5' SILTY SAND (SM) BROWN (7.5YR 5/4) MOIST, MED DENSE DENSE, LOW EST. IR, VFG-FG SUBANG SAND, 5% CLAY, 15-20% SILT, 29 M.

0' SUBANG PEBBLES TO 4MM Ø

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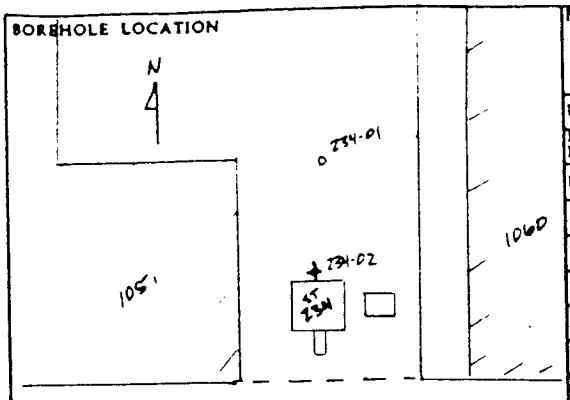
WYOMING

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: SS-234-02
	Job No: 2A56
Logged By: J. Pavletuch	Edited By: JP
Project Manager: K. Walter	Drill Rig: Geoprobe
Drilling Contractor: PSTZE	
Driller/Helper: ~~B. Wolfe~~ S. CAMP	
Drilling Method: Geoprobe Construction Method Code: DV (driven), HA = Hand Augered	
Sample Method: LARGE - BORE SAMPLER	
Hammer Weight/Drop: N.A	Borehole Diameter: 1.375"
Started, Time: 0955	Date: 5-18-94
Completed, Time: 1055	Date: 5-18-94

Notes:

BA: BACKGROUND B = BAR/HR

HNu/FID	0/1.0					
B-T (cpm)	6000					
Time	0950					
Date	5-18-94					

Total Depth: 16FT | Casing Depth:

Screened Interval:

Sand Pack, #3: #0:

Well Development Method:

Time: Date: Flow Rate:

Geophysical Logs, Type:

By: Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses		Lithology Code	Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
									SDF-SWSN	1	K		SAND (SP) BROWN (5YR 5/6) MOIST, MED-DENSE, LOW EST. IK, VFG-FG SUBRND SAND 5-10% SILT, 2-3% MG. RNS-SGBRS PEBBLES TO 25mm ϕ SCATTERED ON SURFACE
										2			
										3			
									SDF	4		?	
			12	6	G	0/1.5 BG-6000 B:0				5	X		?? SILTY SAND (SM) BROWN (7.5YR 5/6) MOIST, MED. DENSE, LOW EST. IK, VFG SUBANG. SAND 5% CLAY, 15-20% SILT, 2-5% MG. 1% SUBANG, PEBBLES TO 5mm ϕ. CALICHE FRAGMENTS TO 50mm ϕ COMMON
										6			
										7			
										8			
KAFB-SS234-02 0811			36	18	G	0/1.0 BG-6000 B:0	SIEVE	PBO	SDF	9			10' SAND (SP) BROWN (7.5YR 6/6) MOIST, MED. DENSE, LOW EST. IK. VFG SUBRND SAND 5% SILT, 10% FG, 1% MG.
										10			

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56 | Borehole/Well No.: SB234-02

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recv'd	Sample Cond.	HNu/PID	Analysis		Lithology Code	STAT	Depth (ft)	Recovery	Contact	
							VOC	GRID						10.75' SILTY SAND (SM) BROWN (7.5YR 4/6) MOIST, DENSE, LOW EST. IR, VFG SUBRND SAND. 5% CLAY. 15-20% SILT, 15-20% FG OCCAS. SUBANG PEBBLES TO 5mmØ WEATHERED ROTTITE COMMON
							METALS	Hg pH	MOIST.		11			
											12			
											13			
KAFB-SB234-02 1316			36	21	4						14			
						0/1 0/0 1-8	SVOC	TOC			15			15.25' SILTY SAND (SM) BROWN (7.5YR 5/4) MOIST. MED. DENSE. LOW EST. IR, VFG SUBRND SAND, 5% CLAY. 15-20% SILT, 5-10% MG.
						130-60/70	VOC	GRID						15.75' SANDY GRAVEL (GW) PALE BRN (10YR 6/3) DRY, VLOW DENSE MOD. EST. IR, SUBRND-SUBANG PEBBLES TO 8MMØ 5-10% SILT, 10-15% VFG-FG, 10% MG, 10-15% CG-VCG
							METALS	Hg pH	MOIST.		16			
											7			
											8			
											9			
											0			
											1			
											2			
											3			
											4			
											5			
											6			
											7			
											8			
											9			
											0			

PROFESSIONAL GEOLOGIST
JOSEPH P. PAVLETICH
PG-1536
WYOMING

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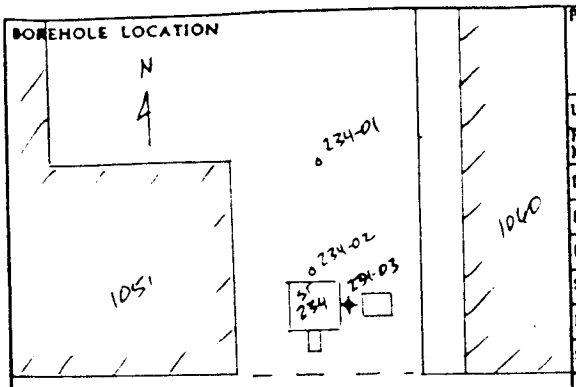
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: SS 234-03
	Job No: 2AS6
Logged By: J. Pavletich	Edited By: JP
Project Manager: K. Walter	Drill Rig: Geoprobe
Drilling Contractor: ERE	
Driller/Helper: ~~B. Wolfe~~ S. CAMP	
Drilling Method: Geoprobe Construction Method Code: V (driven), HA = Hand Augered	
Sample Method: LARGE BORE SAMPLER	
Hammer Weight/Drop: NA	Borehole Diameter: 1.375"
Started, Time: 1055	Date: 5-18-94
Completed, Time: 1145	Date: 5-18-94

Notes:

BACKGROUND γ = 8 mR/HR

HNu/FID	0/1					
~~B-7~~ (open)	-:-BC					
Time	1050					
Date	5-18-94					

Total Depth: 15 FT — Casing Depth:

Screened Interval:

Sand Pack, #3: — #0:

Well Development Method:

Time: — Date: — Flow Rate:

Geophysical Logs, Type:

By: — Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses		Lithology Code	Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
									SM				SILTY SAND (SM) BROWN (7.5YR 6/6) MOIST, MED. DENSE, LOW EST. IK. VFG SUBANG SAND. 15-25% SILT, 15% FG. 6% MG. ABUNDANT CALICHE MICRO-NODULES., CALICHE STRINGERS. SCATTERED SUBRND PEBBLES TO 20mm ϕ ON SURFACE
									SM	1			
										2			
										3			
										4		?	
									SM	5			4'? SILTY SAND (SM) BROWN (10YR 5/8) MOIST, MED. DENSE, LOW EST. IK. VFG SUBANG. SAND, 5% CLAY 15-20% SILT. CALICHE PATCHES 10-15mm ϕ COMMON. PEBS. SUBRND PEBBLES TO 15mm ϕ.
			12	10	6	0/1.0 BZ=8				6			
										7			
										8		?	
			36	18	6	0/1.0 BZ=8 2-9			SM	9			9'? SILTY SAND (SM) BROWN (10YR 5/6) MOIST, MED. DENSE LOW EST. IK. VFG. SUBRND SAND. 5% CLAY. 20-25% SILT <1% FG. MG. RARE SUBANG PEBBLES TO 3mm ϕ.
SAMP. SS234-03							SIVE	DRO	SM	10			

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2AS6

Borehole / Well No.: ST234-03

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recvd	Sample Cond.	HNu/PID	Analysis		Lithology Code	(Stick)	Depth (ft)	Recovery	Context	Description
							VOC	GRAB						10.75' SILTY SAND (SM) BROWN (10YR 5/6) MOIST, DENSE, LOW
							METALS	Hg pH	MOIST		11			EST IL, VFG SUBROUND SAND, 10% CLAY, 20-25% SILT, <1% FG
														ABUND WEATHERED BOTTLE
											12			
														12'? SAND (SM) BROWN (10YR 5/6) MOIST, MED. DENSE, LOW
KAFB-ST234-03 13/15			24	21	4	0/10 PID: 6-80 B-5	SVOC	TCLP			13			EST IL, VFG SUBROUND SAND, 2-3% CLAY, 10% SILT, 1-2% FG
							VOC	GRAB						14.75' SANDY SILT (ML) BROWN (10YR 5/6) MOIST, STIFF, LOW EST. IL
							METALS	Hg pH	MOIST		14			15-20% VFG, 10% CLAY, WEATHERED BOTTLE COMMON
											15			
											6			
											7			
											8			
											9			
											0			
											1			
											2			
											3			
											4			
											5			
											6			
											7			
											8			
											9			
											0			

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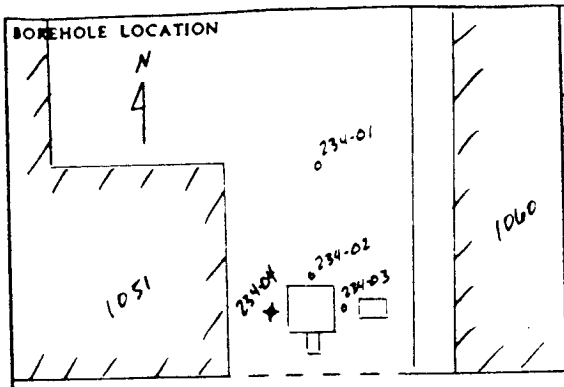
Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG



Project: KAFB Stage 2B	Borehole/Well No: ST 234-04
	Job No: 2A56
Logged By: J. Pavlesich	Edited By: JP
Project Manager: K. Walter	Drill Rig: Geoprobe
Drilling Contractor: BIZE	
Driller/Helper: ~~B. Wolfe~~ S. CAMP	
Drilling Method: Geoprobe Construction Method Code = V (driven), HA = Hand Augered	
Sample Method: LARGE BORE SPLITTER	
Hammer Weight/Drop: NA	Borehole Diameter: 1.375"
Started, Time: 1210	Date: 5-18-94
Completed, Time: 1330	Date: 5-18-94

Notes:

BACKGROUND γ = 8 µR/HR

HNu/FID	0/1					
$\beta-\gamma$ (cpm)	40-80					
Time	1210					
Date	5-18-94					

Total Depth: 19 FT | Casing Depth:

Screened Interval:

Sand Pack, #3: #0:

Well Development Method:

Time: Date: Flow Rate:

Geophysical Logs, Type:

By: Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses	Lithology Code	Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
								SM/L				SILTY SAND (SM) BROWN (7.5YR 5/6) MOIST, MED DENSE, LOW EST. IR, VFG SUBANG SAND, 20-25% SILT, 15% FG, 2-3% MG, CAUCHE STAINED W/ ABUNDANT MICRONODULES, S-RDNS-RNS PEBBLES TO 20mm ϕ ON SURFACE
									1			
									2			
									3			
									4		?	
								SM				H? SILTY SAND (SM) BROWN (7.5YR 5/6) MOIST, MED DENSE, LOW EST. IR, VFG-FG SUBANG SAND, 5% CLAY, 20-25% SILT, STAINED W/ CAUCHE, OCCAS. SUBANG. PEBBLES TO 5mm ϕ.
			12	7	6	0/1.0	8:8		5			
									6			
									7			
									8		?	
KAFB-SS234-04-0914 KAFB-SS234-04-0919			42	17	F	9/10	8:8		9			9.5? SAND (SP) BROWN (7.5YR 4/6) MOIST, MED DENSE, LOW EST IR, VFG SUBRND SAND 5-10% SILT, 5% FG, 1% MG.
									10			

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56 | Borehole/Well No.: SS234-04

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recv'd	Sample Cond.	HNu/PID	Analysis		Lithology Code	USCS	Depth (ft)	Recovery	Contact
							NGRAS	Hy PH	MOIST				
							SVOC	TPHD					
			30	10	4		SVOC	TPHD	R	SW	11		
						0/1.0 BZ: 0/1.0 B-B	MGRAS	Hy PH	MOIST		12		
							VOC	GRO	R	SW/SP	13		
	MS/SVOC		24	20	4		VOC	GRO			14		
						0/1.0 BZ: 0/1.0 B-B	SVOC	TPHD			15		
KAFB-SS234-04-14.5-15							SVOC	TPHD	MS/MSD	SW/SM	15.75		
KAFB-SS234-04-17-17.5							MERCURY	Hy PH	MOIST		16		
			36	22	4					SW			
						0/1.0 BZ: 0/1.0 B-B	VOC	GRO			17		
							VOC	GRO	MS/MSD		18		
							METALS	Hy PH	MOIST	MS/MSD	19		
											0		
											1		
											2		
											3		
											4		
											5		
											6		
											7		
											8		
											9		
											0		

10'-11' SAME AS AT 9.5' EXCEPT 10% SILT.

11' SAND (SW) BROWN (7.5YR 5/6) DRY, DENSE, LOW-MOD. EST. IK, FG SUBRND SAND, <5% SILT, 10-15% FG, 10% MG, 10-15% CG, RCAS. RND PEBBLES TO 15mm ϕ

13' SAND (SP) BROWN (10YR 4/6) MOIST, MED. DENSE, LOW EST. IK. VFG SUBRND SAND. 5-10% SILT, 10% FG, CGAC RND PEBBLES TO 15mm ϕ

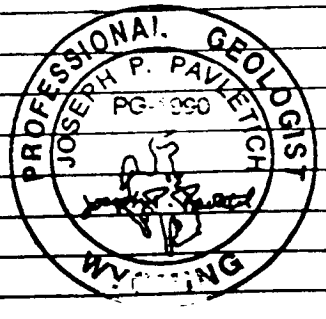
13.75' SILTY SAND (SM) BROWN (7.5YR 5/6) MOIST, DENSE LOW EST IK, VFG SUBANG SAND, 20-25% SILT. ASSUM. HORNBLENDE BIOTITE

15' SILTY SAND (SM) BROWN (7.5YR 4/6) MOIST, MED DENSE LOW EST IK VFG FG SUBRND SAND, 5-10% CLAY, 20-25% SILT, 2% MG.

15.75' SANDY GRAVEL (GW) PALE BROWN (10YR 6/3) DRY. V. DENSE, LOW-MOD EST. IK, SUBRND SUBANG PEBBLES TO 8mm ϕ 5% SILT, 10% VFG-FG, 10% MG, 15% CG-VCG

V. DENSE - 18-18.5'

18.75 SILTY SAND (SM) BROWN (7.5YR 4/6) DRY, DENSE. LOW EST IK, FG-MG SUBANG SAND, 10% CLAY, 15-20% SILT 15% VFG 5% GRAVEL



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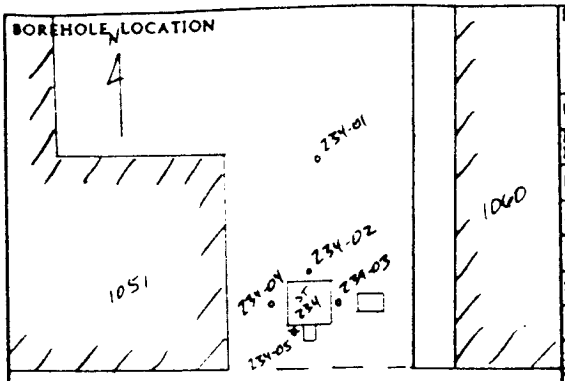
BOREHOLE / WELL CONSTRUCTION LOG



Project: KAFB Stage 2B	Borehole/Well No: SS 234-05
	Job No: 2A56
Logged By: J. Pavletich	Edited By: JP
Project Manager: K. Walter	Drill Rig: Geoprobe
Drilling Contractor: BCE	
Driller/Helper: ~~B. Wolfe~~ S. CAMP	
Drilling Method: Geoprobe Construction Method Code: √ (driven), HA = Hand Augered	
Sample Method: LARGE-BORE SAMPLER	
Hammer Weight/Drop: N A	Borehole Diameter: 1.375'
Started, Time: 1350	Date: 5-18-94
Completed, Time: 1435	Date: 5/18-94

Notes:

BACKGROUND B.Z. B.Z/HZ

HNu/PID	0/1.0					
B-T (open)	80-100					
Time	1345					
Date	5-18-94					

Total Depth: 15 FT | Casing Depth:

Screened Interval:

Sand Pack, #3: #0:

Well Development Method:

Time: Date: Flow Rate:

Geophysical Logs, Type:

By: Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/PID Reading	Analyses		Lithology Code		Depth in Feet	Recovery / Sample Lec.	Contact
									SDY		1		
											2		
											3		
									SDY		4		
			12	8	4	0/1.0 (BZ-BZ/HZ) 8-8					5		
											6		
											7		
									SDY		8		
KAFB-SS234-05 0012			48	17	F	0/1.0 (BZ-BZ/HZ) 8-8					9		
											10		

LITHOLOGIC DESCRIPTIONS

SILTY SAND (SM) BROWN (7.5YR 5/6) MOIST, MED DENSE

LOW EST. IR, VFG-FG SUBANG SAND, 20% SILT, 10% FG, 5% MG

CALICHE STAINED, SUBGND PEBBLES TO 20mm Ø ON SURFACE

4' SILTY SAND (SM) PALE BROWN (7.5YR 6/4) MOIST, MED DENSE

LOW EST. IR, VFG-FG SUBANG. SAND. 5% CLAY, 20-25% SILT 2-5% MG. RCVRY. SUBGND PEBBLES TO 5mm Ø. CALICHE STAINED.

15mm Ø PATCH OF FED STAINED SILTY SAND AT 6'

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No: KAFB 2B 2A56 | Borehole / Well No.: SB234-05

Notes:

Sample ID	Sampler Type	Blows / 6 inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/PID	Analysis		Lithology Code	(Stick)	Depth (ft)	Recovery	Context
											10		10' SILTY SAND (SM) BROWN (7.5YR 6/6) MOIST, MED. DENSE, LOW EST. IR, VFG, SUBANG. SAND. 15-20% SILT, 10% FG. 1% MG
							VOC	HNU			11		
							SVOC	ORG.			12		
											12.5		12.5 SILTY SAND (SM) BROWN (7.5YR 5/6) MOIST, DENSE, LOW EST.
SB234-05-13'			24	22	6	0/1.5 (BG=0.0 PPM), 8.7					13		IR. VFG SUBANG SAND. 5% CLAY, 15-20% SILT. 1% FG.
							SVOC	ORG			14		14' SILTY SAND (SM) BROWN (7.5YR 5/4) MOIST, MED. DENSE - DENSE
							VOC	HNU					LOW EST. IR VFG. SUBANG SAND 10% CLAY, 15-25% SILT. 10% FG.
							METAL	Hg, Pb	MOIST.		15		@ 5' = 2.3% MC. W/ BENTONITE GROUT COMPLETION
											16		
											7		
											8		
											9		
											0		
											1		
											2		
											3		
											4		
											5		
											6		
											7		
											8		
											9		
											0		

PROFESSIONAL GEOLOGIST
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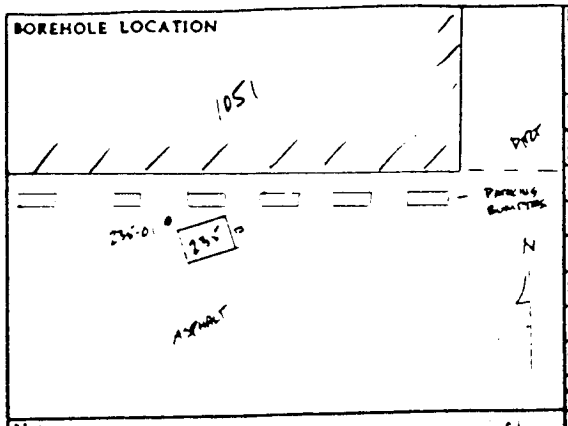
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: SB 235-01
	Job No: 2A56
Logged By: J. Pavletich	Edited By: JP
Project Manager: K. Walker	Drill Rig: Geoprobe
Drilling Contractor: BDE	
Driller/Helper: B. Wolfe	
Drilling Method: Geoprobe Construction Method Code = V (driven), HA = Hand Augered	
Sample Method: LARGE - BORE SAMPLER	
Hammer Weight/Drop: NA	Borehole Diameter: 1.375"
Started, Time: 1000	Date: 5-19-94
Completed, Time: 1120	Date: 5-19-94

Notes:

BACKGROUND = 8 mR/HR

HNu/PID	0/1.2					
B-γ (cpm)	40-80					
Time	1000					
Date	5-19-94					

Total Depth: 11 FT. Casing Depth:

Screened Interval:

Sand Pack, #3: #0:

Well Development Method:

Time: Date: Flow Rate:

Geophysical Logs, Type:

By: Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/PID Reading	Analysis		Lithology Code	Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
			0	0						0			ASPHALT 0-4"
													SAND (SP) BROWN (7.5YR 6/6) MOIST, MED DENSE, LOW EST. 1% VFG-FG SUBANG SAND, 5% SILT, 1-2% MG, 1% CG
										1			CALICHE STAINED W/ PATCHES TO 15mm Ø AT 0.5' DEPTH.
										2			
										3			
										4		?	3.5'? SAND (SP) BROWN (7.5YR 5/6) MOIST, MED. DENSE, LOW EST.
KAFB-STB35-01 0406			24	20	G	0/1 8-8	SUBC	SAND					1K, FG SUBANG SAND, <2% SILT, 10% VFG, 5% MG, MICA, SUBANG PEBBLES TO 5mm Ø
						0/1 8-8	10C	GRAD		5			5.5' SILTY SAND (SM) BROWN (7.5YR 5/6) MOIST. MED. DENSE, LOW EST.
						0/1 8-8	MEDIUM	Hy pH	MOIST				1K, VFG SUBANG SAND, 5% CLAY, 20% SILT.
										6			
										7			
										8			8' SAND (SP) BROWN (7.5YR 5/6) MOIST, MED DENSE
KAFB-STB35-01 0411			22	22	G	2/1.5' 8-8							LOW EST. 1K, VFG SUBANG SAND, 5% SILT, 10-20% FG, 10% MG-CG.
							SUBC	SAND		9			
										10			

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No KAFB 2B 2AS6

Borehole/Well No SS735 01

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recovd	Sample Cond.	HNU/PID	Analysis		Lab/Geo Code	(Scale)	Depth (ft)	Recovery	Contact	
							VOC	GOOD						10" SILTY SAND (SM) BROWN (7.5YR 5/6) MOIST, MED. DENSE, LOW PLAST IC.
							METALS	Mg Pb	MOISTURE		11			VERY GRAVELLY, SAND, 10% CLAY, 20-25% SILT 15% FGS.
											2			
											3			
											4			
											5			
											6			
											7			
											8			
											9			
											0			
											1			
											2			
											3			
											4			
											5			
											6			
											7			
											8			
											9			
											0			

PROFESSIONAL GEOLOGIST
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PG-1990
WYOMING

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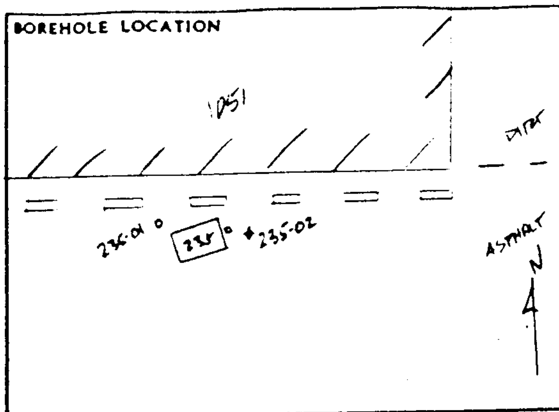
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	**Borehole/Well No:** S235-02
	Job No: 2A56
Logged By: J. Pavletich	**Edited By:** JP
Project Manager: K. Walker	**Drill Rig:** Geoprobe
Drilling Contractor: BRG	
Driller/Helper: B. Wolfe	
Drilling Method: Geoprobe Construction Method Code √Y (driven), HA = Hand Augered	
Sample Method: LARGE BORE SAMPLER	
Hammer Weight/Drop: NA	**Borehole Diameter:** 1.375"
Started, Time: 1120	**Date:** 5-19-94
Completed, Time: 1150	**Date:** 5-19-94

Notes:

BACKGROUND γ = 8 μR/HR

HNu/FID	0/1					
β-γ (cpm)	20-40					
Time	1120					
Date	5-19-94					

Total Depth: 11 FT **Casing Depth:**
Screened Interval:
Sand Pack, #3: **#0:**
Well Development Method:
Time: **Date:** **Flow Rate:**
Geophysical Logs, Type:
By: **Date:**

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses		Lithology Code		Depth in Feet
		↓	6	6	G				SDVF-SDFN		0–1
KAFB-S235-02 04/06		↓	24	21	G	0/1 βγ-40-40 8-0	SVOC VOC METALS	TPH GRO Hg pH	MOIST	SDVF	4–6
KAFB-S235-02 09/11		↓	24	20	G	0/1 βγ-20-40 8-8	SVOC	TPH	SDVF SDFN		8–10

LITHOLOGIC DESCRIPTIONS

ASPHALT 0"-4"

SAND (SP) BROWN (7.5YR 6/4) MOIST, MED DENSE, LOW EST IK, VFG-FG SUBANG SAND 5-10% SILT, 1-2% MG, 1% CG CALICHE STAINED AT 0.5 FT

3'? SAND (SW) RD YELLOW (7.5YR 6/6) MOIST, MED. DENSE, MOD. EST. IK FG SUBANG. SAND, 5-10% SILT 10% VFG, 5-10% MG, 5-15% CG 2-5% SUBRND PEBBLES TO 4mm φ

5.25' SILTY SAND (SM) PALE BROWN (10YR 8/2) MOIST, MED. DENSE, LOW EST. IK, VFG SUBANG SAND 5% CLAY, 20% SILT.

5.75' SILTY SAND (SM) BROWN (7.5YR 5/6) MOIST, MED DENSE, LOW EST. IK, VFG SUBRND SAND, 5-10% CLAY, 10-25% SILT

8'? SAND (SP) BROWN (7.5YR 5/6) MOIST, MED DENSE, LOW EST IK, VFG-FG SUBRND SAND, 5-10% SILT, 2-3% MG WEATHERED BIOTITE COMMON.

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No. KAFB 2B 2A56

Borehole / Well No. SJ 235-02

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recv'd	Sample Cond.	HNu/FID	Analysis		Laboratory Code	Depth (ft)	Recovery	Contact	
							VOC	GRAB					10.5 SILTY SAND (SM) BROWN (7.5 YR 5/6) MOIST, MED. DENSE
		↓					METALS	Hg ph	DUPST.	1			LOW PLST IK, FG SUBANG. SAND 5-10% CLAY, 15-20% SILT, 20%
													VFG, 2-3% MG. WEATHERED BIOTITE COMMON
										2			
										3			
										4			
										5			
										6			
										7			
										8			
										9			
										10			
										1			
										2			
										3			
										4			
										5			
										6			
										7			
										8			
										9			
										0			

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PG-1990
WYOMING

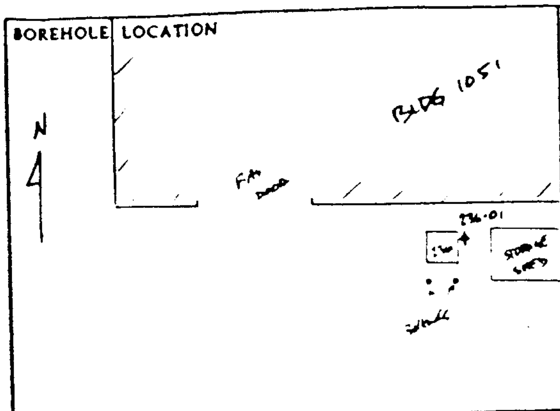
Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG

Page 1 of ___

Project: KAFB Stage 2B	Borehole/Well No: ST-236-01
	Job No: 2A56
Logged By: J. Pavletich	Edited By: JP
Project Manager: K. Walter	Drill Rig: Geoprobe
Drilling Contractor: BEE	
Driller/Helper: B. Wolfe	
Drilling Method: Geoprobe Construction Method Code = V (driven), HA = Hand Augered	
Sample Method: LARGE-BORE SAMPLER	
Hammer Weight/Drop: NA	Borehole Diameter: 1.375'
Started, Time: 1050	Date: 5-17-94
Completed, Time: 1130	Date: 5-17-94

BOREHOLE LOCATION



Notes:

BACKGROUND β-γ 9 cts/min

HNu/FID	0/25				
β-γ (cpm)	60-80				
Time	1050				
Date	5-17-94				

Total Depth: 10 FT

Screened Interval:

Sand Pack, #:

Well Development Method:

Time: Date:

Geophysical Logs, Type:

By:

PROFESSIONAL GEOLOGIST JOSEPH P. PAVLETICH PG-1590 WYOMING

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTION
										50/4	0			ASPHALT 3" THICK
KAFB-ST236-01 0104			36	22	6	0/0.5 β-γ 40-80 cpm	SVOC VOC METALS	8270 8240 Hg pH	MOIST.	50/4 50/4 50/4	1 2 3 4			SILTY SAND (SM) BROWN (7.5YR 6/6) MOIST MED. DENSE. LOW EST IL, VFG SUBRND SND. 15% SILT, 5% FG 1% MG. CALICHE STAINS PATCHES TO 15mm Φ 3.75 SAND (SW) BROWN (7.5YR 5/6) MOIST, DENSE LOW EST IL VFG-FG SUBANG SAND. 10% SILT, 10% MG, 1-2% CG OCC SUBANG PEBBLES TO 7mm Φ BECOMING COARSER W/ DEPTH
			12	6		0/0 β-γ 40-80 2.9				5PAR 50/4	5			5' GRAVELLY SAND (SW) BROWN (7.5YR 5/6) MOIST, DENSE FG SUBANG SAND. <5% SILT 10% VFG. 10-20% MG. 5-10% CG-VCG 15% SUBANG. SUBRND PEBBLES TO 8mm Φ
KAFB-ST236-01 0610			48	20	6	0/0 β-γ 40-60 2.8	SVOC VOC METALS	8270 8240 Hg pH	MOIST	50/4	6 7 8 9 10		TD	5.25' SAND (SP) BROWN (5YR 5/8) MOIST MED. DENSE LOW EST IK, FG SUBRND SAND <5% SILT, 10-15% VFG. 1-2% MG. WEATHERED BIOTITE COMMON 9.25' SILTY SAND (SM) BROWN (5YR 5/6) MOIST MED. DENSE-DENSE LOW EST IK. VFG SUBANG SAND. 5-10% CLAY, 20-25% SILT, 5-10% FG. 1% MG.

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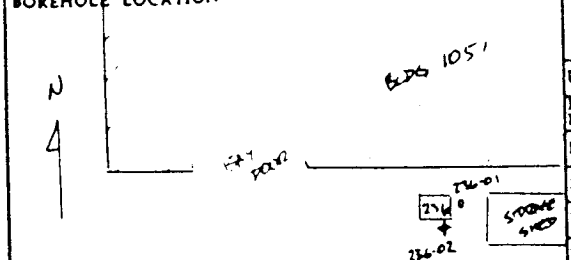
BOREHOLE / WELL CONSTRUCTION LOG

Page 1 of ____

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: SS36-02
	Job No: 2A56
Logged By: J. Pavletich	Edited By: JP
Project Manager: K. Walter	Drill Rig: Geoprobe
Drilling Contractor: BOE	
Driller/Helper: B. Wolfe	
Drilling Method: Geoprobe Construction Method Code = V (driven), HA = Hand Augered	
Sample Method: LARGE BORE SAMPLER	
Hammer Weight/Drop: N.A.	Borehole Diameter: 1.375"
Started, Time: 1130	Date: 5-17-94
Completed, Time: 1220	Date: 5-17-94

Notes:

BACKGROUND γ = 6.5 mR/HR

HNu/FID	0/1.5
$\beta-\gamma$ (cpm)	40-80
Time	1136
Date	5-17-94

Total Depth:	8 FT
Screened Interval:	
Sand Pack, #3:	
Well Development Method:	
Time:	Date:
Geophysical Logs Type:	Date:
By:	

PROFESSIONAL GEOLOGIST JOSEPH P. PAVLETICH PG-1990 WYOMING

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analysis		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
						0/1.5 BK=40-80				GRVL				ASPHALT 0"-3"
		12	9								1			SILTY SAND (SM), BROWN (7.5YR 6/4) MOIST, MED DENSE, LOW EST IK
		36	21	6										VFG-FG SUBANG SAND, 15-20% SILT, 1-2% MG, 1% CG, CALICHE STAINED
											2			CALICHE PIECES TO 4mm ϕ
SS36-SS36-02 0'-8'						0/0 BK=40-80 B=9								
							SAND	DRY			3			3' SILTY SAND (SM) BROWN (7.5YR 6/4) MOIST, MED DENSE
						BK=40-80	VFG SUBANG SAND	GOOD						LOW EST IK, VFG SUBANG SAND, 5-10% SILT, 10-15% FG, 5% MG,
							PEBBLES	ϕ 4mm	MOIST		4			1% CG.
														3.5' SAND (SP) BROWN (7.5YR 6/4) MOIST, DENSE, LOW EST IK,
		12	7	6										VFG-FG SUBANG SAND, 5% SILT, 5-10% MG, 1% CG
						0/0 BK=40-80 B=8					5			5' SILTY SAND (SM) BROWN (7.5YR 5/6) MOIST, MED DENSE,
														LOW EST IK, VFG-FG SUBANG SAND, 15-20% SILT, 2-5% MG, SCATTERED
											6			BOTTLE CAPS
		24	22	6		0/0 BK=40-80 B=8								
											7			7.5' SAND (SP) BROWN (7.5YR 5/6) MOIST, MED. DENSE, LOW EST
SS36-SS36-02 8'-10'														IK, VFG SUBANG SAND 5% SILT 10-15% FG OCCAS. SUBRND
											8		TD	PEBBLES TO 9mm ϕ
											9			
											10			

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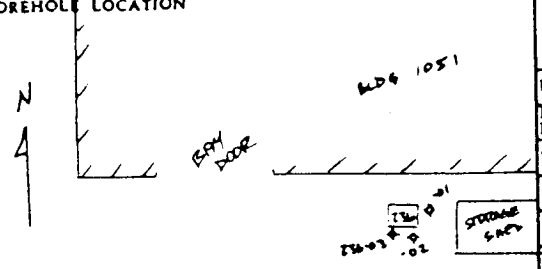
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: SS-236-03
	Job No: 2A56
Logged By: J. Pavletich	Edited By: JP
Project Manager: K. Walter	Drill Rig: Geoprobe
Drilling Contractor: BRE	
Driller/Helper: B. Wolfe	
Drilling Method: Geoprobe Construction Method Code = (V) (driven), HA = Hand Augered	
Sample Method: LARGE BORE SAMPLER	
Hammer Weight/Drop: N.A	Borehole Diameter: 1.375"
Started, Time: 1300	Date: 5-17-94
Completed, Time: 1410	Date: 5-17-94

Notes: BACKGROUND = 8

HNu/FID	0/2						
β-γ (cpm)	60-80						
Time	1300						
Date	5-17-94						

Total Depth: 11FT — Casing Depth:

Screened Interval:

Sand Pack, #3: #0:

Well Development Method:

Time: Date: Flow Rate:

Geophysical Logs, Type:

By: Date:

Sample ID	Sampler Type / depth	Blows / 6 inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses		Lithology Code	Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
													ASPHALT 0"-3"
										1			SILTY SAND (SM) BROWN (7.5YR 6/4) MOIST, MED. DENSE
													LOW EST IK, VFG-FG SUBANG SAND 15-35% SLT, 2-5% MG, 1% CL
										2			CALICHE STAINED & NODULES
													NOTE: ROCK IN DRIVE SHOE BLOCKED OFF SAMPLER,
										3			RE-RAN SAMPLE AT 3'-6'
SSHB-SS-236-03-0304			36	22	6	0/0 PID=80-100 2-8	SVOC	TPH		4			3.5' GRAVELLY SAND (SW) BROWN (7.5YR 6/6) DRY, DENSE
							VOC METALS	GRO Hg, Pb	MOIST				MED. EST IK, FG-MG SUBRND SAND. 5-10% FG 10-15% CG. 15%
										5			SUBRND PEBBLES TO 5mm ϕ
													5.5' SAND (SP) BROWN (10YR 5/6) MOIST, MED. DENSE,
										6			LOW-MOD. EST IK, VFG-FG SUBRND SAND 1-2% SLT, 1-2% MG.
SSHB-SS-236-03-0607 SSHB-SS-236-03-0911			24	18	6	0/0 PID=80-100 2-8	SVOC	TPH					6-8' SAME AS AT 5.5'
							SVOC METALS	GRO Hg, Pb	MOIST	7			
										8			8.5' SAND (SP) BROWN (10YR 5/6) MOIST, MED. DENSE, LOW EST
			36	22	6	0-1							IK, VFG-FG SUBRND SAND. 10% SLT 2-3% MG
						0/0 PID=80-100				9			
							METALS	Hg, Pb	MOIST	10			

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56

Borehole/Well No.: SB236-03

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recv'd	Sample Cond.	HNu/PID	Analysis		Laboratory Code	(Core Run)	Depth (ft)	Recovery	Contact
							VOC	6720		SOIL			
		↓					VOC	6720	R	↓	1		
											2		
											3		
											4		
											5		
											6		
											7		
											8		
											9		
											0		
											1		
											2		
											3		
											4		
											5		
											6		
											7		
											8		
											9		
											0		

10' SILTY SAND (SM) BROWN (7.5YR 5/6) MOIST, DENSE, LOW PLAST

1L, FG-MG SUBANG SAND, 5-10% CLAY, 20-25% SLT, 10-15% VFG,

5% CG, ABUNDANT WEATHERED BIOTITE

PROFESSIONAL GEOLOGIST
JOSEPH P. PAVLETICH
PG-1990
WYOMING

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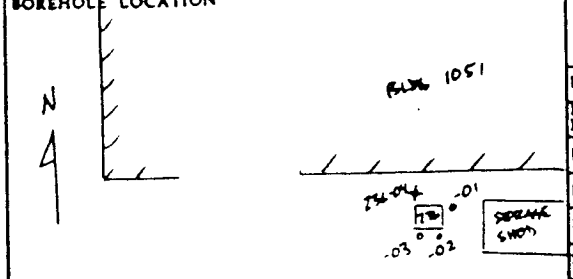
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: SB236-04
	Job No: 2A56
Logged By: J. Pavletich	Edited By: JP
Project Manager: K. Walter	Drill Rig: Geoprobe
Drilling Contractor: BJCE	
Driller/Helper: B. Wolfe	
Drilling Method: Geoprobe Construction Method Code = V (driven), HA = Hand Augered	
Sample Method: LARGE-BORE SAMPLER	
Hammer Weight/Drop: NA	Borehole Diameter: 1.375'
Started, Time: 1405	Date: 5-17-94
Completed, Time: 1443	Date: 5-17-94

Notes: BACKGROUND = 1

HNu/FID	0/25
β-γ (cpm)	60-80
Time	1410
Date	5-17-94

PROFESSIONAL GEOLOGIST JOSEPH P. PAVLETICH PG-1990 WYOMING

Total Depth:	8 FT.
Drilling Depth:	
Screened Interval:	
Sand Pack, #3:	
Well Development Method:	
Time: Date:	Flow Rate:
Geophysical Logs, Type:	
By:	Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
										ASPH				ASPHALT 0'-3"
											1			SILTY SAND/SAL BROWN (7.5YR 5/6) MOIST, MED DENSE
KAFB-SB236-04 0104			36	19	6						2			LOW EST IK, VFG-FG SUBANG SAND 20-25% SILT, 2-5% MG 2-3% CG, CALICHE STAINED & MOTTLED
						0/0 2'-3'	SVOC	DRO			3			
						0/0 3'-4'	VOC MODIFIED	GRO Hg PID	MOIST		4			3.75' GRAVELLY SAND (SW) BROWN (7.5YR 5/6) MOIST, DENSE, LOW EST IK, FG SUBRND SAND. 10% SILT, 10% VFG 5-10% MG 15-20% CG 15% SUBRND-SUBANG PEBBLES TO 4mm ϕ ABUND WEATHERED BIOTITE.
			6	3	4	0/0 4'-5' 0-0					5			4.5' SAND (SP) BROWN (7.5YR 5/6) MOIST, DENSE, LOW EST IK, VFG-FG SUBRND SAND. 10% SILT 2-3% MG 1% CG ABUND WEATHERED BIOTITE
KAFB-SB236-04 0604			24	21	4	2-8	SVOC	DRO			6			5' CLAYEY SILT (ML) BROWN (7.5YR 4/6) MOIST, STIFF, LOW EST IK, 20-30% CLAY 1-5% VFG. CALICHE STAINED PATCH 10mm ϕ ABUND. WEATHERED BIOTITE
						0/0 6'-8' 0-0	VOC MODIFIED	GRO Hg PID	MOIST		7			6.75' SAND (SP) BROWN (10YR 5/6) MOIST, MED DENSE. LOW EST IK. VFG-FG SUBRND SAND. 10% SILT. <1% CG
											8			
											9			
											10			

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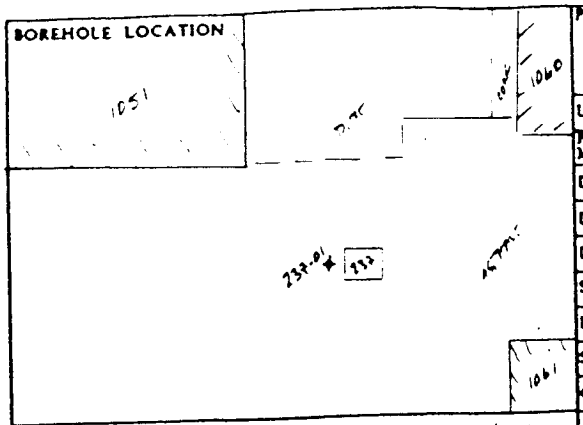
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: SS-232-01
	Job No: 2A56
Logged By: J. Pavletich	Edited By: JP
Project Manager: K. Walker	Drill Rig: Geoprobe
Drilling Contractor: BQE	
Driller/Helper: B. Wolfe	
Drilling Method: Geoprobe Construction Method Code = V (driven), HA = Hand Augered	
Sample Method: 1.40 AE - BORE SAMPLER	
Hammer Weight/Drop: LBS	Borehole Diameter: 1.375'
Started, Time: 1255	Date: 5-19-94
Completed, Time: 1400	Date: 5-19-94

Notes: 5', 12'

BACKGROUND 8 < 8 uR/HR

HNu/PID	0/1						
β-γ (cpm)	80-100						
Time	1300						
Date	5-19-94						

Total Depth: 14 FT. Casing Depth:

Screened Interval:

Sand Pack, #3: #0:

Well Development Method:

Time: Date: Flow Rate:

Geophysical Logs, Type:

By: Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/PID Reading	Analyses		Lithology Code	Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
													ASPHALT 0"-3"
			6"			0/1				1			SILTY SAND (SM) BROWN (7.5YR 6/4) MOIST, MOD. DENSE, LOW
													EST. IR, 1FG-FG, SUBROUND SAND, 5% CLAY, 20-25% SILT, 5-10% MG
										2			GRAVEL AND PEBBLES TO 25mm Ø.
										3			
										4			
										5			
SS-232-01 1STOB			36	18	6	0/1	SILT	DRY		6			5'? SAND (SP) BROWN (7.5YR 5/6) MOIST, MOD. DENSE, LOW EST IR,
							VFG	GRAY					VFG SUBROUND SAND, 5-10% SILT, 10-15% PEBBLES, 10% WEATHERED ROCK
							PEBBLES	W/ SAT	MOIST	7			CONTINUED
										8			
										9			
										10			

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56 | Borehole/Well No.: SB237-01

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recvd	Sample Cond.	HNu/PID	Analysis		Lab/Geo Code		Depth (ft)	Recovery	Contact
			12	7	6	0/1				GW	10		
KAFB-SB237-01 12/14			24	20	4	0/1				GW	13		

10' SILTY SAND (SM) YELLOWISH-BROWN (10YR 5/6) MOIST, MED DENSE, LOOSE EST. 1%, VFG SUBANG. SAND, 10% CLAY, 15-20% SILT, 15% FG, 1-2% MG. WEATHERED BANDTE COMMON.

13' SILTY SAND (SM) BROWN (7.5YR 4/6) MOIST, DENSE, LOOSE EST. 1%, VFG, SUBANG. SAND, 5% CLAY, 15% SILT, 15% FG, 1-2% MG. OCCAS. SUBANG. PEBBLES TO 5mm ϕ

PROFESSIONAL GEOLOGIST
JOSEPH P. PAVLETICH
PG-1990
WYOMING

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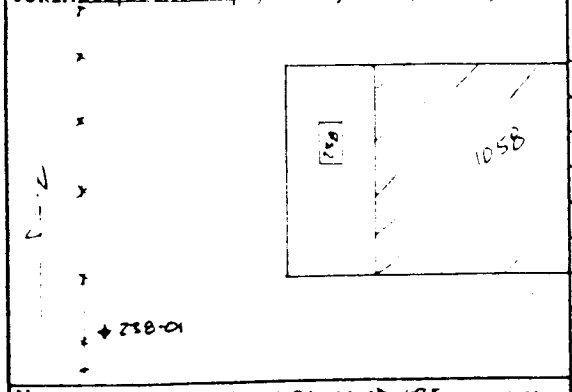
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project	KAFB Stage 2B
Borehole/Well No	SB238-01
Job No:	2A56
Logged By:	J. Pavletich
Edited By:	JP
Project Manager:	K. Walter
Drill Rig:	Geoprobe
Drilling Contractor:	EDE
Driller/Helper:	~~B. Wolfe~~ S CAMP
Drilling Method:	Geoprobe Construction Method Code = V (driven), HA = Hand Augered
Sample Method:	1 ARGE EDRE SAMPLER
Hammer Weight/Drop:	NA
Borehole Diameter:	1.375"
Started, Time:	1145 Date: 5-27-94
Completed, Time:	1258 Date: 5-27-94

Notes: SAMPLE DEPTH FOR THIS BACKGROUND HOLE CHOSEN TO BE THE SAME AS THE DEEPEST SAMPLES COLLECTED AT BOTH 058

BACKGROUND 8 = 1.1 mR/HR

HNu/FID	0/1					
β-γ (cpm)	80-110					
Time	1148					
Date	5-27-94					

Total Depth:	20 FT
Casing Depth:	
Screened Interval:	
Sand Pack, #3:	#0:
Well Development Method:	
Time:	Date: Flow Rate:
Geophysical Logs, Type:	
By:	Date:

Sample ID	Sampler Type / depth	Blows / 6 inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
									SPNF					ASPHALT 0-4"
											1			SAND (SP) YELLOWISH BROWN (10YR 5/6) DRY, MED DENSE
														POORLY SORTED, EST IR, VFG SUBROUNDED SAND, 5% SILT, 10% FG, 5% MG.
											2			1-2% CG WEATHERED BIOTITE COMMON.
											3			
											4			
									SPNF					4'? SAND (SP) YELLOWISH BROWN (10YR 5/6) MOIST, MED. LOOSE-LOOSE.
			12	12	6	0/1 AT 4.5 & 5/10 ppm					5			EST. IR, VFG SUBANG SAND, 5% SILT, 10% FG, OCCAS. SUBANG. PEBBLES TO 5mm Ø, CALCITE FRACTURES TO 15mm Ø WEATHERED BIOTITE COMMON
											6			
											7			
											8			
											9			
									SPNF					
											10			

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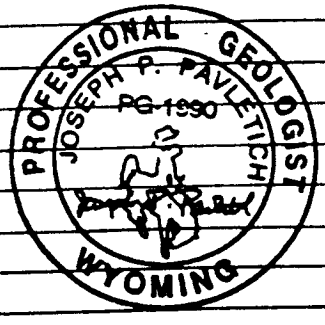
BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56 | Borehole / Well No.: SITE B-01

Notes:

Sample ID	Sampler Type	Blows / 6 inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/PID	Analysis		Lithology Code	USCS	Depth (ft)	Recovery	Contact	Description
			12	8	G	0/1 B=1 AT=B0-10								9' SAND (SW) YELLOW-BROWN (10YR 5/6) MOIST, MED DENSE, LOW EST. IK, FG SUBANG SAND 5% SILT, 10% VFG, 10% MG, 10% CA, 5% SUBANG. PEBBLES TO 7mm ϕ
KAFB-SITE B-01 11/13			24	20	G	0/1 B=11 AT=B0-10	SVOC	TPHD		SP/SM				11.75' SAND (SP) YELLOW-BROWN (10YR 5/6) DK, DENSE, LOW EST. IK, FG SUBANG SAND 5% SILT, 5% VFG, 15% MG, 10% CA, 10% VFG. WEATHERED RHYOLITE COMMON.
							VOC	GRO		SM				12.75' SILTY SAND (SM) DRK YELLOW BROWN (10YR 4/6) MOIST, LOW EST. IK VFG SUBROUND SAND, 10% CLAY, 15% SILT.
							METALS	Hg, pH	WOOD					14' SILTY SAND (SM) DARK YELLOW-BROWN (10YR 4/6) MOIST, MED DENSE, LOW EST. IK, VFG, SUBANG SAND, 5% CLAY, 15-20% SILT. OCCAS. SUBANG PEBBLES TO 8mm ϕ
			12	10	G	0/1 B=10 AT=B0-10				SP/SM				17' SAND (SP) YELLOWISH BROWN (10YR 5/6) MOIST, MED. DENSE, LOW EST. IK, VFG-FG SUBROUND SAND, 10% SILT. 1-2% MG.
KAFB-SITE B-01 1820			24	22	G	0/1 B=10 AT=B0-10	SVOC	TPHD		SC				19.75' CLAYEY SAND (SC) YELLOWISH BROWN (10YR 5/4) MOIST, MOD. DENSE, V. LOW EST. IK, VFG SUBANG. SAND, 20% CLAY, 20-30% SILT.
							VOC	GRO						
							METALS	Hg, pH	MOIST.					



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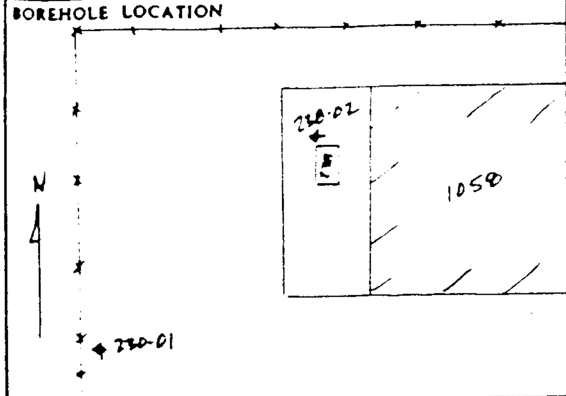
BOREHOLE / WELL CONSTRUCTION LOG

Project	KAFB Stage 2B
Borehole/Well No:	ST 23D-02
Job No:	2A56
Logged By:	J. Pavletich
Edited By:	JP
Project Manager:	K. Walker
Drill Rig:	Geoprobe
Drilling Contractor:	BDE
Driller/Helper:	~~B. Wolfe~~ S. CANT
Drilling Method:	Geoprobe. Construction Method Code = V (driven), HA = Hand Augered
Sample Method:	LARGE-BORE SAMPLER
Hammer Weight/Drop:	N.A
Borehole Diameter:	1.375"
Started, Time:	1300 — Date: 5-27-94
Completed, Time:	1410 — Date: 5-27-94

BOREHOLE LOCATION



Notes: F.D TAKEN OUT OF SERVICE FOR CHECKING. 3'. 8'
- F.D RETURNED, BACKGROUND @ 3 ppm ©
BACKGROUND γ = 9 μR/HR

HNu/FID	0				
β-γ (cpm)	60-80				
Time	1300				
Date	5-27-94				

Total Depth: 12 FT
Casing Depth:
Screened Interval:
Sand Pack, #3: #0:
Well Development Method:
Time: Date: Flow Rate:
Geophysical Logs, Type:
By: Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses		Lithology Code	Depth in Feet	LITHOLOGIC DESCRIPTIONS
									SD/F	0–1	CONCRETE 0"-6"
										1	SAND (SP) YELLOWISH BROWN (10YR 5/6) DRY, MED. DENSE, LOW-MOD. EST. IK, VFG SUBANG. SAND 5% SILT, 10% FG, 5% MG, 1-2% CG. WEATHERED BIOTITE COMMON
									SD/SL	2–3	2'? SILTY SAND (SM) BROWNISH YELLOW (10YR 6/6) MOIST, MED. DENSE, LOW EST. IK. VFG SUBANG. SAND. 15-20% SILT. CALCIC STAINING/MOTTLES
KAFB-ST23D-02-0307 / KAFB-ST23D-99-0307			24	22	4	0/ β-γ=80 γ=10	SVOC / SVOC / METALS	TPHD / TPHD-R / Hg pH MOISTURE		3–5	
			24	18	4	0/ β-γ=80/10 F.D	METALS / VOC / VOC	Hg pH MOIST-R / TPHD / GRO-R	SD/SW SAND	5–7	5.75' SAND (SW) BROWNISH YELLOW (10YR 5/6) MOIST, MED. DENSE, LOW-MOD EST. IK. FG-MG SUBANG. SAND. 5-10% SILT. 10% VFG 5-10% CG. 5% VCG. 1-2% SUBANG. PEBBLES TO 8mm φ
KAFB-ST23D-02-0812 / KAFB-ST23D-02-0812 MS/MSD			24	18	5	3ppm ABOVE BACKGROUND; 0/?; β-γ=80-100 γ=10	METALS / VOC / VOC	Hg pH MOIST. / GRO / GRO-MS/MSD	SAND	8–10	8' SAND (SW) BROWNISH YELLOW (10YR 5/6) MOIST, MED. DENSE MOD-HIGH EST. IK, MG SUBANG. SAND. <5% SILT, 10% VFG. 10% FG 10-15% CG. 5-10% SUBANG. PEBBLES TO 7mm φ

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56

Borehole/Well No.: ST23B-02

Notes:

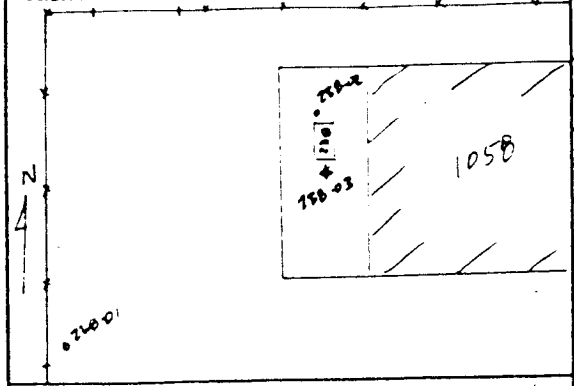
Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/FID	Analysis		Lithology Code	(SD...)	Depth (ft)	Recovery	Contact	
			24	20	4	0/3 PT: 0.0 HD 0 HD	METALS	N_g pH	MOIST-	MS/SD			/	11.75 CLAYEY SAND (SC) DARK YELLOWISH BROWN (10YR 4/6) MOIST,
							SVOC	TPH		↓	11		/	MED DENSE, LOW EST. K. VFG. SUBANG. SAND. 20% CLAY 2% SILT.
		↓					SVOC	TPH	MS/MSD	SPCL ↓				
											12			
											3			
											4			
											5			
											6			
											7			
											8			
											9			
											0			
											1			
											2			
											3			
											4			
											5			
											6			
											7			
											8			
											9			
											0			

PROFESSIONAL GEOLOGIST
JOSEPH P. PAVLETICH
PG-1990
WYOMING

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: SB238-03
	Job No: 2A56
Logged By: J. Pavletich	Edited By: JP
Project Manager: K. Walter	Drill Rig: Geoprobe
Drilling Contractor: BCE	
Driller/Helper: ~~B Wolfe~~ S. CAMP	
Drilling Method: Geoprobe Construction Method Code = V (driven), HA = Hand Augered	
Sample Method: LARGE BORE SAMPLER	
Hammer Weight/Drop: NA	Borehole Diameter: 1.375"
Started, Time: 1410	Date: 5-27-94
Completed, Time: 1440	Date: 5-27-94

Notes: 3.8'

BACKGROUND ? = 10cpm/HR

HNu/PID	0/3
β-γ (cpm)	80-100
Time	410
Date	5-27-94

Total Depth: 10 FT
Screened Interval:
Sand Pack, #3:
Well Development Method:
Time: Date: Pump Rate
Geophysical Logs Type:
By:

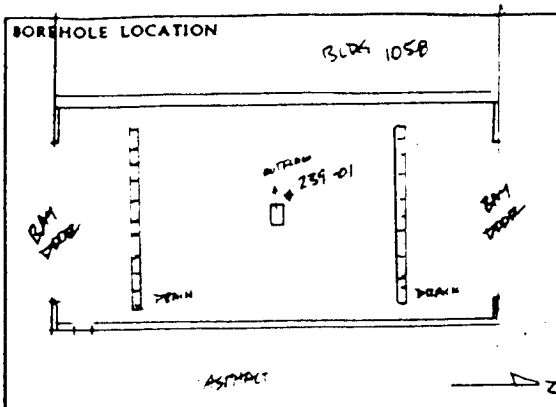
Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/PID Reading	Analyses		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
														CONCRETE 0"-6"
											1			SAND (SP) YELLOWISH BROWN (10YR 5/6) DRY, MED. DENSE,
														LOW-MOD. EST. IR, VFG SUBANG. SAND, 5% SILT, 10% FG, 5% MG
											2			1-2% CG WEATHERED ECOTITE CRYSTALS
														2'? SAND (SP) PALE BROWN (10YR 6/3) MOIST. LOOSE-MED DENSE,
LARE-SB238-03 0230			24	22	4	0/2.5	SVOC	TPHD			3			MOD-HIGH EST IR, MG SUBROUND SAND, 5% SILT, 10% VFG 15% FG
						ISB-BO-10 8:11	VOC	GRO						
							METALS	Hg PA	MOIST.		4			4.5 SAND (SP) YELLOWISH BROWN (10YR 5/6) MOIST, MED DENSE
														LOW EST. IR. VFG SUBROUND SAND. <5% SILT, 10% FG. CALCIC PATCHES
											5			TD-7mm @ 5'.
											6			
											7			6.5? SILTY SAND (SM) YELLOWISH BROWN (10YR 5/6) MOIST, MED DENSE
														LOW EST. IR. VFG. SUBANG. SAND. 20-30% SILT, 10% FG. MOTTLED &
LARE-SB238-03 0810			24	21	4	0/3					8			STAINED W/ CALCITE
						ISB-BO-10 8:11	SVOC	TPHD						9.5 SAND (SP) YELLOWISH BROWN (10YR 5/6) MOIST, MED DENSE,
							VOC	GRO			9			LOW EST IR. VFG-FG. SUBANG SAND 5-10% SILT, 1-2% MG,
							METALS	Hg PA	MOIST.		10			

PROFESSIONAL GEOLOGIST JOSEPH P. PAVLETICH WYOMING

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: SB 239-01
	Job No: 2A56
Logged By: J. Pavlotich	Edited By: JP
Project Manager: K. Walter	Drill Rig: Geoprobe
Drilling Contractor: BIZE	
Driller/Helper: B. Wolfe S. CAMP	
Drilling Method: Geoprobe Construction Method Code = V (driven), HA = Hand Augered	
Sample Method: LARGE-BORE SAMPLER	
Hammer Weight/Drop: NA	Borehole Diameter: 1.375"
Started, Time: 1330	Date: 5-20-94
Completed, Time: 1615	Date: 5-20-94

Notes: 2', 7'

BACKGROUND 8 = 12

HNu/PID	0/1						
β-γ (open)	60-100						
Time	1340						
Date	5-20-94						

Total Depth: 21-FT Casing Depth:

Screened Interval:

Sand Pack, #3: #0:

Well Development Method:

Time: Date: Flow Rate:

Geophysical Logs, Type:

By: Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/PID Reading	Analysis		Lithology Code	Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
						0/1 bkg							CONCRETE 0"-6"
										1			SILTY SAND (SM) BROWN (7.5YR 5/6) MOIST, MED. DENSE, LOW PLAST IC, VFF-FG SUBANG. SAND 20-30% SILT, 5-10% MG. 5% CLG. CALCITE STAINED
										2			2' SILTY SAND (SM) PALE BROWN (10YR 7/4) DRY, DENSE, LOW PLAST IC, VFF-FG SUBANG. SAND, 25-30% SILT, 5% MG. HEAVY CALCITE STAINING/ CEMENTING
KAFB-239-01 0620			24	20	6	0/0	SAND	DRD		3			
						0/1	VBC	GRD					
						600-1000	MOIST.	Hy PH	MOIST.	4			
						0/1							5' SILTY SAND (SM) BROWN (7.5YR 6/6) MOIST, MED. DENSE, LOW PLAST IC, VFF-FG SUBANG. SAND, 15-20% SILT, 2-3% MG. 10-15% CLG. OCCAS SUBANG. PEBBLES TO 5mm ϕ. CALCITE NODULES TO 7mm ϕ
			12	0	6					5			
						0/1				6			
									GNLP				6.5' SANDY GRAVEL (GW) BROWN (7.5YR 5/6) MOIST, MED DENSE MOD-PLAST IC, SUBANG-SUBRND PEBBLES TO 50mm ϕ 1-2% SILT, 5% VFF.
KAFB-239-01 0620			24	24	4	0/1	VBC	GRD		7			20-25% FG. 10% MG
						0/0	SAND	DRD		8			
						600-1000	MOIST.	Hy PH	MOIST.	9			
										10			
									SOIL				

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No. KAFB 2B 2A56 | Borehole / Well No. ST234-01

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recv'd	Sample Cond.	HNu/OVA	Analysis		Lithology Code	(feet)	Depth (ft)	Recovery	Contact
										SPT	10		
			12	8	6	<1/2 NT - BKGD = 0.5					11		
											12		
											13		
											14		
											15		
										SPT	16		
											17		
ST234-01-1721			24	8	6	0/1 BKGD = 0.5	SVOC	TCL		SPT	18		
							SVOC	TCL	IR				
							METALS	Hg, CN	WATER	SPT	19		
			24	22	6	0/1 BKGD = 0.5	METALS	Hg, CN	WATER	SPT	20		
							VOC	TCL	IR				
							VOC	TCL		SPT	21		
											2		
											3		
											4		
											5		
											6		
											7		
											8		
											9		
											0		

10' SILTY SAND (SM) BROWN (7.5YR 5/6) MOIST, MED DENSE, LOW EST IR, VFG SUBANG SAND. 15-20% SILT, CALICHE PATCHES TO BOREHOLE

16 SILTY SAND (SM) BROWN (7.5 YR 5/6) MOIST, MED. DENSE LOW EST IR VFG. SUBANG SAND 5% CLAY, 15-20% SILT. 1-2% FG

18' SILTY SAND (SM) BROWN (7.5YR 5/6) MOIST, MED. DENSE, LOW EST IR, VFG SUBANG. SAND. 5% CLAY 20-25% SILT 10% FG 2-3% MICA

19.25' SILTY SAND (SM) BROWN (7.5YR 5/6) MOIST, MED. DENSE LOWEST IR, VFG SUBANG. SAND. 10% CLAY 20% SILT. 1-2% FG

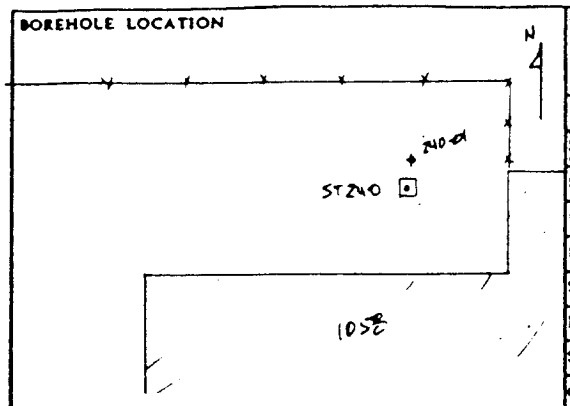
20.5' SILTY SAND (SM) BROWN (10YR 4/6) MOIST MED DENSE LOW EST. IR VFG SUBANG SAND. <1% CLAY. 15% SILT. MOTTLED. WEATHERED BOTITE

PROFESSIONAL GEOLOGIST
JOSEPH P. PAVLETICH
PG-1930
WYOMING

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: SS240-01
	Job No: 2A56
Logged By: J. Pavletich	Edited By: JP
Project Manager: K. Walker	Drill Rig: Geoprobe
Drilling Contractor: BIZE	
Driller/Helper: ~~B. Wolfe~~ S. CAMP	
Drilling Method: Geoprobe Construction Method Code = V (driven), HA = Hand Augered	
Sample Method: 1.25" - ROBB SAMPLER	
Hammer Weight/Drop: N.A.	Borehole Diameter: 1.375"
Started, Time: 1350	Date: 5-24-94
Completed, Time: 1520	Date: 5-24-94

Notes: 11, 18

BACKGROUND = 12 ppm

HNu/FID	0/1.0					
β-γ (cpm)	60-100					
Time	1350					
Date	5-24-94					

Total Depth: 20 FT. Casing Depth:

Screened Interval:

Sand Pack, #3: #0:

Well Development Method:

Time: Date: Flow Rate:

Geophysical Logs, Type:

By: Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
									SAND					ASPHALT 0'–4"
											1			SAND (SP) REDDISH YELLOW (7.5YR 6/6) DRY, LOOSE-MED DENSE
														MOD. EST. IL, MED AR SUBANG. SAND 5% VFG-FG, 10% CG.
											2			
											3			
									SDYF		4		?	
									SDYF					4': SAND (SP) REDDISH YELLOW (7.5YR 6/6) MOIST, MOD. DENSE
			12	11	6	0/1			SDYF		5	X		MOD-MOD EST. IL, VFG-FG SUBANG SAND. 5-10% SILT, 1-2% ML.
						PID=0.0 @ 12						X		LITHICS, QTZ'S. ALG. PEBBLES TO 10mm Ø
											6			
											7			
											8			
											9			
									SDYF					
											10			

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56 | Borehole/Well No.: ST240-01

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/PID	Analysis		Lithology Code	(Symbol)	Depth (ft)	Recovery	Contact
			12	10		0/1					11		
KAFB-ST240-01 11'3			24	22	6	0/1	SVOC	DRO			12		
							VOC	GRO					
							METALS	Hg, pH	MOIST		13		
											14		
			12	9	6	0/1					15		
											16		
											17		
											18		
KAFB-ST240-01 18'20			24	22	6	0/1	SVOC	DRO			19		
							VOC	GRO					
							METALS	Hg, pH	MOIST		20		TD
											1		
											2		
											3		
											4		
											5		
											6		
											7		
											8		
											9		
											0		

9'7" SAND (SP) YELLOWISH BROWN (10YR 5/6) MOIST, LOOSE - MED DENSE MED. EST. IK, VFG SUBROUND SAND < 5% SILT. 5% FG. OCCAS COBBLE FG PEBBLES TO 4" ø

12.75' SILTY SAND (SM) YELLOWISH-BROWN (10YR 5/6) MOIST, MED DENSE LOW EST IK, VFG SUBROUND SAND. 15% SILT, 15% FG.

14' SAND (SW) YELLOWISH BROWN (10YR 5/6) MOIST, MED. DENSE, MOD. EST. IK, FG-MG, SUBROUND SAND. <2% SILT, 5-8% VFG, 10-16% CG-VCG.

15.75' SILTY SAND (SM) YELLOWISH BROWN (10YR 5/4) MOIST, MED DENSE LOW EST. IK FG SUBROUND SAND, 15% SILT, 15% VFG, 5% MC. WEATHERED BIOTITE COMMON

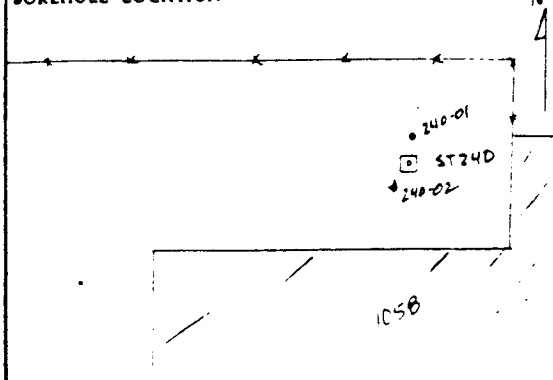
19.5' SILTY SAND (SM) DARK YELLOWISH BROWN (10YR 4/6) MOIST, DENSE LOW EST. IK, VFG-FG SUBROUND SAND 10% CLAY, 20% SILT. WEATHERED BIOTITE COMMON

PROFESSIONAL GEOLOGIST
JOSEPH P. PAVLETICH
P.G. 5550

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: ST240-02
	Job No: 2A56
Logged By: J. Pavletich	Edited By: JP
Project Manager: K. Walter	Drill Rig: Geoprobe
Drilling Contractor: BRE	
Driller/Helper: ~~B. Wolfe~~ S. CAMP	
Drilling Method: Geoprobe Construction Method Code: DV (driven), HA = Hand Augered	
Sample Method: LARGE-BORE SAMPLER	
Hammer Weight/Drop: NA	Borehole Diameter: 1.375"
Started, Time: 1013	Date: 5-27-94
Completed, Time: 1116	Date: 5-27-94

Notes: 11.10'

BACKGROUND $\beta\gamma$ = 8 cpm

HNu/FID	0/1						
$\beta\gamma$ (cpm)	60-100						
Time	1013						
Date	5-27-94						

Total Depth: 20 FT | Casing Depth:

Screened Interval:

Sand Pack, #3: #0:

Well Development Method:

Time: Date: Flow Rate:

Geophysical Logs, Type:

By: Date:

Sample ID	Sampler Type / depth	Blows / 6 inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
									SW/F					ASPHALT 0-4"
											1			SAND (SP) YELLOWISH BROWN (10YR 5/6) DRY, MED. DENSE
														LOW-MOD, EST. IL, VFG SUBANG. SAND, 5% SILT, 10% FG, 5% MG,
											2			1-2% CG, WEATHERED BIOTITE COMMON
											3			
											4			
									SW-SDN					4'? SAND (SP) YELLOWISH BROWN (10YR 5/6) MOIST, MED. DENSE
			12	8	6	0/1 (BG=8 cpm) T.D					5			LOW-EST IL, VFG-FG SUBANG. SAND, 5% SILT, 5-10% MG, 5% CG,
											6			2-3% SUBANG. PEBBLES TO 5mm ϕ OCCAS. CALICHE PATCHES TO
														10mm ϕ WEATHERED BIOTITE COMMON.
											7			
											8			
											9			
									SDH					
											10			

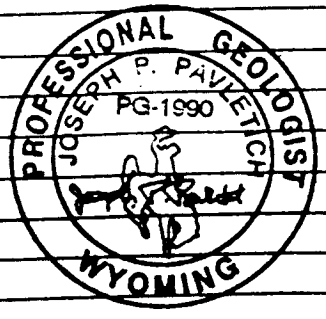
Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No. KAFB 2B 2AS6 | Borehole / Well No.: ST240-02

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/PID	Analysis		Lithology Code	USCS	Depth (ft)	Recovery	Contact	
			12	10	G	0/1 BZ				SM/F				0'-9' SILTY SAND (SM) YELLOWISH BROWN (10YR 5/8) MOIST, MED DENSE LOW EST IK, VFG-FG SUBANG SAND 15% SILT, 5% MG 1% CG.
KAFB ST240-02 1115			24	22	G		SVOC	TCDD			10			9.75' SAND (SP) YELLOWISH BROWN (10YR 5/8) MOIST, MED DENSE MOD. EST IK, VFG SUBRND SAND. 2% SILT, 5% FG, 1% MG-CG
						0/1 BD-BOUND	VOC	AROD		SP/SM	12			12.75' SILTY SAND (SM) BROWN (7.5YR 5/6) MOIST, MED DENSE, LOW EST IK, VFG SUBRND SAND. 10% CLAY, 15-25% SILT 5% FG SUBANG SUBRND PEBBLES 10mm ϕ
							METALS	Hg PH	MOIST.		14			14' SAND (SP) DK YELLOWISH BROWN (10YR 4/6) MOIST, MED, DENSE
						0/1				SP/SM	15			LOW-MOD. EST IK, VFG-FG SUBANG SAND 5% SILT, 0% MG, 5-10% CG - VFG, 1-2% SUBANG PEBBLES TO 3cm ϕ
			12	12	G						16			15.0 - 15.8' INTERBED OF SILTY SAND (SM) DK YELLOWISH BROWN (10YR 4/6) MOIST, MED DENSE LOW EST IK, VFG SUBANG SAND, 15-20% SILT 10-15% FG
										SC	17			17': CLAYEY SAND (SC) DK YELLOWISH BROWN (10YR 4/6) MOIST, DENSE
											18			LOW EST IK. VFG SUBANG SAND 20% CLAY, 20-30% SILT
KAB-ST240-02 1820			24	22	G	EST. BOUND	SVOC	TCDD		SM/SC	19			18' SILTY SAND (SM) SAME AS AT 15.6'-15.8'
							VOC	AROD						19.5' CLAYEY SAND (SC) DK YELLOWISH BROWN (10YR 4/6) MOIST, MED DENSE
							METALS	Hg PH	MOIST.	SC	20			LOW EST. IK, VFG-FG SUBANG SAND 20% CLAY, 20-25% SILT, 1-2% MG. WEATHERED BIOTITE COMMON

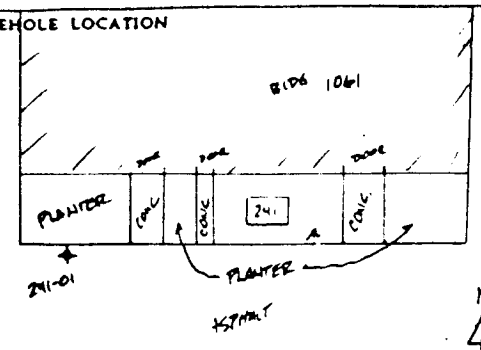


Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG

Page 1 of 1

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: ST 241 -01
	Job No: 2A56
Logged By: J. Pavletich	Edited By: JP
Project Manager: K. Walter	Drill Rig: Geoprobe
Drilling Contractor: BRE	
Driller/Helper: ~~B. Wolfe~~ S. CANT	
Drilling Method: Geoprobe Construction Method Code = V (driven), HA = Hand Augered	
Sample Method: LARGE-BORE SAMPLER	
Hammer Weight/Drop: NA	Borehole Diameter: 1.375"
Started, Time: 0830	Date: 5-20-94
Completed, Time: 0925	Date: 5-20-94

Notes: 3', 8'

BACKGROUND 7 = 85 BMP

HNu/PID	0/1.5
~~B-7~~ (cpm)	80-100
Time	0836
Date	5-20-94

PROFESSIONAL GEOLOGIST JOSEPH P. PAVLETICH WYOMING

Total Depth: 10 FT.	Drilling Depth:
Screened Interval:	
Sand Pack, #3:	To:
Well Development Method:	
Time: Date:	Pump Rate:
Geophysical Logs, Type:	
By:	

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/PID Reading	Analyses		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
										ASPH				ASPHALT 0'-4"
										SW	1			SILTY SAND (SM) PALE BROWN (10YR 7/3) DRY, DENSE, MED -
														LOW EST. IK, VFG-FG SUBANG SAND. 15-20% SILT. 5% MG. CALCITE
											2			STAINED
										SW				2.5' SILTY SAND (SM) YELLOWISH-BROWN (10YR 5/6) MOIST, MED. DENSE, LOW
KAFB-ST241-01 0304-			24	20	G	0/1.5 USE BORE BMP	SIEVE	PSD			3			EST. IK, VFG. SUBANG. SAND, 10-15% SILT. 10% FG. 1-2% MG. CALCITE
							VOC	GRAD						STAINED PEBBLES TO 7mm ϕ
							HEADSPACE	Hg ppm	MOIST.		4			5'-5' SAND (SP) BROWN (7.5YR 5/6) MOIST, MED. DENSE, MOD EST. IK,
														VFG SUBROUND SAND. 5% SILT 10-15% FG. 1-2% CG-VCG. CALCITE
										SP	5			PEBBLES TO 20mm ϕ. SMALL (41mm) ROOT AT 5' (FROM NEARBY YUCCA PLANT)
											6			
											7		?	7'? SANDY GRAVEL (GW) BROWN (7.5 YR 5/6) MOIST, DENSE,
										GWLP				MOD. EST. IK, MG-CG ANG. SAND. <5% SILT, 5% VFG, 10% FG, 20%
											8			MG, 10% SUBANG. PEBBLES TO 5mm ϕ.
KAFB-ST241-01 0405-			24	22	G	0/1.5 BZ								9.25' SILTY SAND (SM) YELLOWISH BROWN (5YR 5/6) MOIST, MED DENSE
							SIEVE	PSD			9			LOW EST. IK, VFG. SUBANG SAND, 10% CLAY, 20-25% SILT. ROOTS
						BZ: 60-70	VOC	GRAD						CALCITE PEBBLES TO 3mm ϕ
							HEADSPACE	Hg ppm	MOIST.		10			T.D.

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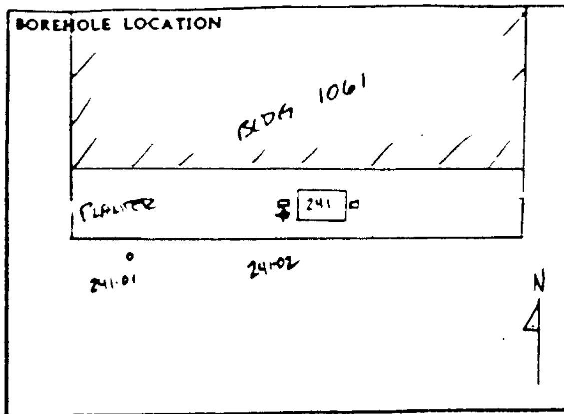
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project:	KAFB Stage 2B
Borehole/Well No:	ST241-02
Job No:	2A56
Logged By:	J. Pavletich
Edited By:	JP
Project Manager:	K. Walker
Drill Rig:	Geoprobe
Drilling Contractor:	BRE
Driller/Helper:	~~B. Wolfe~~ S. CAMP
Drilling Method:	Geoprobe Construction Method Code = V (driven), HA = Hand Augered
Sample Method:	LARGE-BORE SAMPLER
Hammer Weight/Drop:	N.A
Borehole Diameter:	1.375"
Started, Time:	0930 Date: 5-20-94
Completed, Time:	1010 Date: 5-20-94

Notes: 3;8'

BACKGROUND γ = 8

HNu/FID	0/1.0
β-γ (cpm)	40-80
Time	0930
Date	5-20-94

PROFESSIONAL GEOLOGIST JOSEPH R. PAVLETICH PG-1530 WYOMING

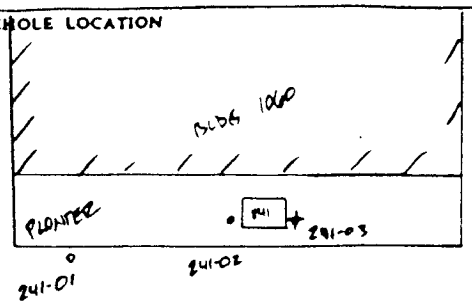
Total Depth:	10FT
Casing Depth:	
Screened Interval:	
Sand Pack, #:	
Well Development Method:	
Time:	Date:
Geophysical Logs, Type:	
By:	Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
										SM	0–2			GRAVEL LANDSCAPING 0"-8" SILTY SAND (SM) PALE BROWN (10YR 7/3) DRY, DENSE MED-LOW EST IK, VFG-FG SUBANG SAND 15-20% SILT, 5-10% MG, CALICHE STAINS
										GW	2.5			2.5' SANDY GRAVEL (GW) BROWN (7.5YR 5/4) DRY, DENSE, LOW EST. IK, RND-SUBRND PEBBLES TO 15mmϕ. <5% SILT, 5% VFG 10% FG, 20% MG, 20% CG-VCG (BACKFILL MATERIAL?)
KAFB-ST241-02 0300			24	22	6	0/1.0 β-γ: 40-80 7-8	SVOC VOC METALS	DRO GRO Hg pH MOIST.		SM	4			4' SILTY SAND (SM) BROWN (7.5YR 6/4) DRY, V. DENSE, LOW EST. IK, VFG SUBANG SAND. 10-15% SILT, 5-10% FG. 1-2% MG. QTZ SUBRND PEBBLES TO 15mmϕ.
										SW	7			7' GRAVELLY SAND (SW) BROWN (7.5YR 5/6) MOIST, MED. DENSE LOW-MOD. EST. IK, VFG-FG. SUBANG. SAND, 5% SILT, 10% MG. 5% CG. 15% SUBRND PEBBLES TO 5mmϕ
KAFB-ST241-02 0810			24	22	6	0/1.0 β-γ: 80-100 8-8	SVOC SVOC METALS	DRO GRO Hg pH MOIST.		SP	8.75			8.75' SAND (SP) BROWN (7.5YR 5/6) MOIST. MED. DENSE, LOW EST. IK, VFG. SUBRND SAND. 5-10% SILT, 10% FG. DISPERSED BIOTITE COMMON.
											10			TD

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: SB241-03
	Job No: 2A56
Logged By: J. Pavletich	Edited By: JP
Project Manager: K. Walter	Drill Rig: Geoprobe
Drilling Contractor: BRE	
Driller/Helper: ~~B. Wolfe~~ S. CAMP	
Drilling Method: Geoprobe Construction Method Code = V (driven), HA = Hand Augered	
Sample Method: LARGE-BORE SAMPLER	
Hammer Weight/Drop: NA	Borehole Diameter: 1.375"
Started, Time: 1010	Date: 5-20-94
Completed, Time: 1038	Date: 5-20-94

Notes: 3', 8' BACKGROUND 8 = 8

HNu/PID	0/10
β-γ (cpm)	80-110
Time	1010
Date	5-20-94

PROFESSIONAL GEOLOGIST JOSEPH R. PAVLETICH PG-1000 WYOMING

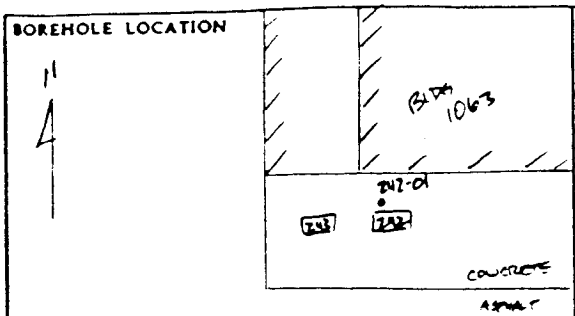
Total Depth: 10FT.	Casing Dia.:
Screened Interval:	
Sand Pack, #3:	
Well Development Method:	
Time: Date:	
Geophysical Logs, Type:	
By: Date:	

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/PID Reading	Analysis		Lithology Code	Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
													FROM LANDSCAPING 0"–4"
										1			SILTY SAND (SM) YELLOW BRN (10YR 4/6) MOIST, MED. DENSE.
													LOW EST. 1K, VFG-FG SUBANG SAND, 10-15% SILT, 5% MG, 1-2%
										2			CG-VCG.
													2.5' SILTY SAND (SM) RED-YELLOW (7.5YR 6/8) MOIST, MED. DENSE, LOW
													EST. 1K, VFG-FG SUBANG. SAND, 15-20% SILT, 5-0% MG, 1-2% CG
SAMPLE SCRAPED OFF			24	22	4	0/1 BG=8 FG=8	SAND	DRY		3			ANGS, RND PEBBLES TO 15mm Ø
							10C	MED					4' SAND (SP) RED-YELLOW (7.5YR 6/6) MOIST, MED. DENSE, LOW-MED.
							MOIST	HIGH PLAST.		4			EST. 1K, VFG SUBRND SAND, 5% SILT, 10% FG, 4-12% MG, ANGS
													RND PEBBLES TO 4mm Ø
										5			
										6			
										7			
SAMPLE SCRAPED OFF			24	22	4	0/1 BG=10 FG=10	SAND	DRY		8			8'-10' CAME AG AT 4'
							VFC	MED					
							MOIST	HIGH PLAST.		9			
										10			T.D.

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: SF-242-01
	Job No: 2A56
Logged By: J. Pavlevich	Edited By: JP
Project Manager: K. Walter	Drill Rig: Geoprobe
Drilling Contractor: RSE	
Driller/Helper: B. Wolfe / S. Camp	
Drilling Method: Geoprobe Construction Method Code = (V (driven), HA = Hand Augered	
Sample Method: LARGE - BORE SAMPLER	
Hammer Weight/Drop: N/A	Borehole Diameter: 1.375"
Started, Time: 1252	Date: 5-16-94
Completed, Time: 1400	Date: 5-16-94

Notes: 6', 11'

BACKGROUND 7- 8 MR/HR

HNu/PID	0/1.75					
B-T (cpm)	20-40					
Time	1256					
Date	5-16-94					

Total Depth: 17 FT	Casing Depth:
Screened Interval:	
Sand Pack, #3:	#0:
Well Development Method:	
Time: Date:	Flow Rate:
Geophysical Logs, Type:	
By:	Date:

Sample ID	Sampler Type / depth	Blows / 6 inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/PID Reading	Analysis		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
														CONCRETE 0"-9"
														SILTY SAND (SM) BROWN (7.5YR 5/6) MOIST, LOOSE
														MED. DENSE, LOW EST. IL, VFG-FG SUBANG SAND, 15-25%
														SILT, 5-10% MG, 5-10% CG
			6	3"										4'8" SILTY SAND (SM) BROWN (7.5YR 5/6) MOIST, MED DENSE
														LOW EST IL, VFG-FG SUBANG SAND, 20-25% SILT, 5-10% MG.
KAFB-SF242-01-06' KAFB-SF242-99-06'			24	20	G	0/1.75 PID = 20-40 B-G	SAND	DRY						12% CG. MOTTLED W/ CALICHE.
							SAND	DRY	R					7' SAND (SP) BROWN (7.5YR 6/6) MOIST, MED. DENSE, LOW
							MOIST,	Hydrocarbon	ODOR					EST. IL, VFG SUBANG SAND. 5-10% SILT. 15-20% FG. ROOT
			36	22	G	0/1.75 PID = 40-80 B-G								SUBANG. PEBBLES TO 5mm Ø
							MOIST,	Hydrocarbon	MOIST					

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56 | Borehole / Well No.: SI 242-01

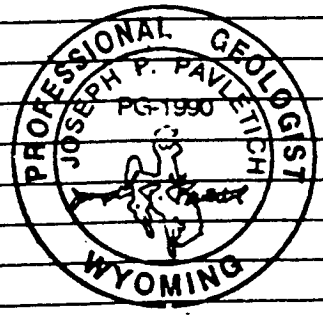
Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recv'd	Sample Cond.	HNu/PID	Analysis		Laboratory Code	(Start)	Depth (ft)	Recovery	Contact
							VOC	6200					
							VOC	6200					
KAFB-SI242-01-11/2 KAFB-SI242-01-11/3 MS/MSD			5/6	18	F						11		
											12		
						0/1.5	SVOC	8270			13		
						NOT=LAND 0.0	SVOC	8270	MS/MSD	50/4			
							METALS	Hg pH	MOIST.		14		
			3/4	21	G						15		
						0/1.5	METALS	Hg pH	MOIST.	MS/MSD			
							VOC	6200		50/4	16		
						FB=0.0 0.0	VOC	6200	MS/MSD				
											17		
											8		
											9		
											0		
											1		
											2		
											3		
											4		
											5		
											6		
											7		
											8		
											9		
											0		

10.5' SILTY SAND (SM) BROWN (7.5YR 5/5) MOIST, MED. DENSE, LOW EST IR, VFG SUBROX. SAND 15% SILT. 20% FG. MINOR SUBROX PEBBLES TO 4mm ϕ

15' SAND (SP) BROWN (7.5YR 5/5) MOIST. MED. DENSE. LOW EST. IR. VFG SUBROX SAND. 10% SILT. 5% FG. 1% MG.

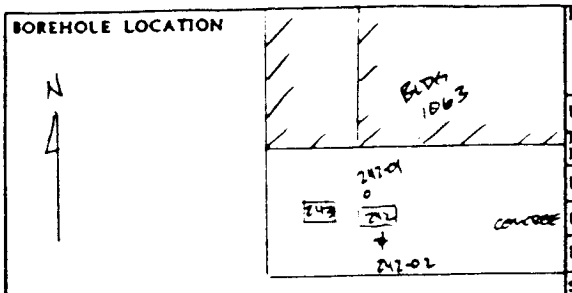
16' SILTY SAND (SM) BROWN (7.5YR 5/6) MOIST, MED. DENSE LOW EST IR. VFG-FG SUBROX. SAND, 15% SILT, 2-3% MG.



Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: ST-2HZ-02
	Job No: 2A56
Logged By: J. Pavletich	Edited By: JP
Project Manager: K. Walter	Drill Rig: Geoprobe
Drilling Contractor: BCE	
Driller/Helper: B. Wolfe / S. Camp	
Drilling Method: Geoprobe Construction Method Code = (V (driven), HA = Hand Augered	
Sample Method: LARGE BORE SAMPLER	
Hammer Weight/Drop: NA	Borehole Diameter: 1.375"
Started, Time: 1410	Date: 5-16-94
Completed, Time: 1530	Date: 5-16-94

Notes: 6.11

BACKGROUND γ = 8 cpm/HR

HNu/PID	0 / 1.95					
γ-ray (cpm)	20-60					
Time	1410					
Date	5-16-94					

Total Depth: 14 FT | Casing Depth:

Screened Interval:

Sand Pack, #3: #0:

Well Development Method:

Time: Date: Flow Rate:

Geophysical Logs, Type:

By: Date:

Sample ID	Sampler Type / depth	Blows / 6 inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/PID Reading	Analysis		Lithology Code	Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
													CONCRETE 0"-9"
													SILTY SAND (SM) BROWN (7.5YR 5/6) MOIST,
													LOOSE, MED. DENSE, LOW EST. IL, VFG-FG SUBANG SAND
													15-25% SILT, 5-10% MG, 5-10% CG
													4'? SILTY SAND (SM) REDDISH (7.5YR 4/6) MOIST, MED. DENSE
													LOW EST. IL, VFG-FG SUBANG SAND, 15-20% SILT, 1-2% MG, MOD.
			6	5	G								STAINED & MOTTLED W/ CALICHE
			36	18	F								
BORE-ST2HZ-02-(0609)						0/1.95	SVOC	VOC					SILTY SAND (SM) BROWN (7.5YR 6/4) MOIST, MED DENSE,
							METALS	Hg	PH	MOIST			LOW EST. IL, VFG-FG SUBANG. SAND. 15% SILT, 1% MG

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56 | Borehole/Well No.: SB242-02

Notes:

Sample ID	Sampler Type	Blows / 6 inch	Inches Driven	Inches Recv'd	Sample Cond.	HNu/PID	Analysis		Lithology Code	(Soil Symbol)	Depth (ft)	Recovery	Contact
		↓	6	5	G						11	X	
KAFB-SB242-11M		↓	36	22	G	0/1.7 ppm / 0-20-40 ppm	SVOC	DRO		SAND SAND	12	X	
		↓					VOC	GRO		SAND	13		
		↓					METALS	Hg PH	MOIST.	SAND	14		
											15		
											16		
											17		
											18		
											19		
											20		
											1		
											2		
											3		
											4		
											5		
											6		
											7		
											8		
											9		
											0		

9.5' SAND (SP) BROWN (7.5YR 5/6) MOIST, MED. DENSE, LOW EST. IR. VFG-FG SUBANG SAND. 5% SILT 2-3% MG 1% CG

12' SAND (SP) BROWN (7.5YR 5/6) MOIST, MED. DENSE, LOW EST IR. VFG-FG SUBANG. SAND. 10% SILT 1% MG.

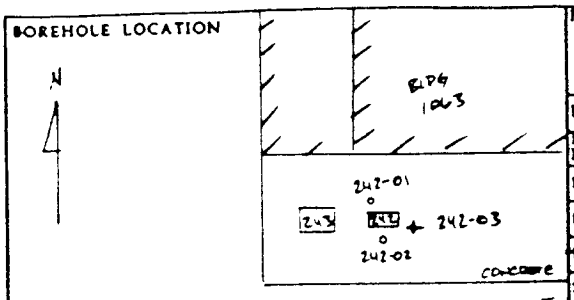
13.25 SILTY SAND (SM) BROWN (7.5YR 4/6) MOIST, DENSE, LOW EST IR. VFG SUBANG SAND. 10% CLAY 25-30% SLT 10% FG. WEATHERED BEDROCK COMMON.

PROFESSIONAL GEOLOGIST
JOSEPH P. PALETCH
PG-1990
WYOMING

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: ST242-03
	Job No: 2A56
Logged By: J. Pavlotich	Edited By:
Project Manager: K. Walter	Drill Rig: Geoprobe
Drilling Contractor: BSC	
Driller/Helper: B. Wolfe / S. Camp	
Drilling Method: Geoprobe Construction Method Code: V (driven), HA = Hand Augered	
Sample Method: LARGE-BORE SAMPLER	
Hammer Weight/Drop: NA	Borehole Diameter: 1.375"
Started, Time: 0810	Date: 5-17-94
Completed, Time: 0900	Date: 5-17-94

Notes: 6.11

BACKGROUND γ = B mR/HR

HNu/FID	0/3.5					
β-γ (cpm)	20-50					
Time	0810					
Date	5-17-94					

Total Depth: 13FT — Casing Depth:

Screened Interval:

Sand Pack, #3: — #0:

Well Development Method:

Time: — Date: — Flow Rate:

Geophysical Logs, Type:

By: — Date:

Sample ID	Sampler Type / depth	Blows / 6 inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
										SDNL				CONCRETE 0"-9"
											1			SILTY SAND (SM) BROWN (7.5YR 5/6) MOIST, LOOSE,
														MED. DENSE, LOW EST IK, VFG-FG SUBANG SAND, 15-25%
											2			SILT, 5-10% MG, 5-10% CG
											3			
											4		?	
			12	6	F					SDNL				4? SILTY SAND (SM) BROWN (10YR 5/6) MOIST, MED. DENSE
						0/65								LOW EST IK, VFG SUBANG. SAND. 15% SILT, 2-3% MG. CALCITE
											5	X		SCATTERED PEBBLES TO 15mm ϕ.
											6			
KAFB-ST242-03 CUTTINGS			24	21	G						7			
						0/10	VOC	GRAB						7.5' SAND (SP) BROWN (10YR 6/6) MOIST, MED. DENSE,
							SVOC	DUP						LOW EST IK VFG SUBANG. SAND 5-10% SILT, 10% FG 1-2% MG.
							METALS	Hg, CN	MOIST.	SDNF	8			OCCAS. SUBRND PEBBLES TO 50mm ϕ
						0/0					9			
			12	0										
											10			

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56 | Borehole/Well No.: SS242-03

Notes:

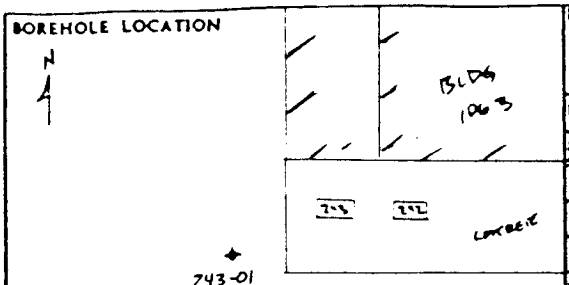
Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recv'd	Sample Cond.	HNu/PID	Analysis	Lithology Code	(Symbol)	Depth (ft)	Recovery	Contact	
		↓							↓				CAVE CHANGE AT 10.75' TO (10YR 6/4).
KAFB-SS242-03 11CS			24	21	4	0/0 PID-10.6, 8-9			SAND SAND	11			11' SAND (SP) BROWN (10YR 6/6) MOIST, MED DENSE, LOW/MOD EST IK. VFG-FG SUBANG. SORTED SAND. <5% SILT 1-2% MG.
									45%	12			12.75' SILTY SAND (SM) BROWN (7.5YR 4/6) MOIST, DENSE, LOW EST IK, VFG-FG SUBANG SAND 10% CLAY, 15-20% SILT, 1-2% MG. ABUND. WEATHERED BIOTITE
										13			
										14			
										5			
										6			
										7			
										8			
										9			
										0			
										1			
										2			
										3			
										4			
										5			
										6			
										7			
										8			
										9			
										0			

PROFESSIONAL GEOLOGIST
JOSEPH P. PAVLETICH
PG-1990
WYOMING

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: SS-243-01
	Job No: 2A56
Logged By: J. Pavletich	Edited By: JP
Project Manager: K. Walker	Drill Rig: Geoprobe
Drilling Contractor: BOE	
Driller/Helper: B. Wolfe / S. CAMP	
Drilling Method: Geoprobe Construction Method Code = H (driven), HA = Hand Augered	
Sample Method: LARGE - BORE SAMPLER	
Hammer Weight/Drop: NA	Borehole Diameter: 1.375"
Started, Time: 0745	Date: 5-16-94
Completed, Time: 0855	Date: 5-16-94

Notes:
BACKGROUND BORE HOLE FOR SS 242 & SS 243

BACKGROUND 0.2 PPM

HNu/PID	0.2/2.5
β-γ (cpm)	2040
Time	0750
Date	5-16-94

PROFESSIONAL GEOLOGIST — JEFFREY P. PAVLETICH — WYOMING

Total Depth: 10 FT.	Casing Depth:
Screened Interval:	
Sand Pack, #3:	
Well Development Method:	
Time: Date:	
Geophysical Logs, Type:	
By:	Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/PID Reading	Analyses		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
										SDPW SAND	1			ASPHALT 0"-3"
														SAND (SP) BROWN (7.5YR 5/4) DRY, MED DENSE,
											2			NO EST IK, ALLUV SUBANG. SAND, <2% SILT, 10% VFG,
														15% CG.
										SP/SM	3		?	
KAFB-SS243-01-0304 KAFB-BRDB-94-0305			24	22	G	0.2/2.5	HEADS	Hy Pet	MOIST.					2.5'? SILTY SAND (SM) TAN (10YR 7/4) DRY, DENSE, LOW EST IK,
							VOC	GRAD			4			VFG SUBANG. SAND, 20-25% SILT, 10% FG. OCCAS. SUBANG
							DOC	GRAD	R					PEBBLES TO 3mm ϕ, HEAVILY CALCITE STAINED
											5			
			24	20	G	0.2/2.5	HEADS	Hy Pet	MOIST.	R				
						0.2/2.5	SVOC	DRAD		SP/SM	6			5.5' SAND (SP) BROWN (7.5YR 6/6) MOIST, MED DENSE,
						NO-NO-NO	SVOC	DRAD	R					LOW EST IK, VFG SUBANG SAND 5-15% SILT, 5-10% FG. OCCAS. CG.
											7		?	
														8'? SILTY SAND (SM) BROWN (7.5YR 5/8) MOIST, MED DENSE
											8			LOW EST. IK, VFG SUBANG SAND 15-20% SILT, 5-10% FG. TRACE
KAFB-SS243-01-0910			24	22	G	0.2/2.5				SM				WEATHERED BIOTITE GRANITE COBBLES
						AT-NO-NO	SVOC	DRAD			9			9.75' SILTY SAND (SM) BROWN (7.5YR 4/4) MOIST, MED DENSE
							VOC	GRAD						LOW EST. IK, VFG SUBANG. SAND 10% CLAY, 15-20% SILT, 5% FG.
							HEADS	Hy Pet	MOIST.		10			WEATHERED BIOTITE GRANITE

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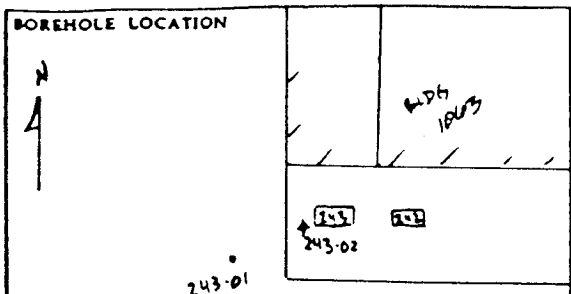
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: SI-243-02
	Job No: 2A56
Logged By: J. Pavletich	Edited By: JP
Project Manager: K. Walter	Drill Rig: Geoprobe
Drilling Contractor: BRE	
Driller/Helper: B. Wolfe / S. Camp	
Drilling Method: Geoprobe Construction Method Code: V (driven), HA = Hand Augered	
Sample Method: LARGE-BORE SAMPLER	
Hammer Weight/Drop: NA	Borehole Diameter: 1.375"
Started, Time: 0850	Date: 5-16-94
Completed, Time: 0945	Date: 5-16-94

Notes: 3,8

BACKGROUND: B&R/AB

HNu/FID	0/20										
β-γ (cpm)	2060										
Time	0900										
Date	5-16-94										

Total Depth: 11FT | Casing Depth:

Screened Interval:

Sand Pack, #3: #0:

Well Development Method:

Time: Date: Flow Rate:

Geophysical Logs, Type:

By: Date:

Sample ID	Sampler Type / depth	Blows / 6 inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
														CONCRETE 0'-4"
														NO SURFACE SAMPLE, TOO SOFT; SAMPLE KEPT FALLING
		↓	6	0	–				(SM?)		1			OUT OF SAMPLER. ASSUME THAT IT'S SILTY SAND,
		↓	6	0	–									AS IN THE CLOSEST BOREHOLE 242-02
											2			
											3			
KAFB-SI243-02 0808			60	18	F									
									SM/F		4			
						0/20 08-10-94 B.S.								
											5			4'? SAND (SP) TAN (10YR 8/2) DRY. LOOSE, LOW EST. IR.
														VFG SUB ANG SAND 5-10% SILT 15% FG 1-2% MG. SUPPORTED BY
											6			CALICHE
							ABSENT	Big pit	MOIST					7.5' SILTY SAND (SM) BROWN (7.5YR 6/6) DRY. MED. DENSE,
		↓					VOC	WATER			7			LOW EST IR, VFG-FG SUBANG. SAND. 15% SILT, 2-3% MG. ACCAS. CG.
							SAMP	BOND						
											8			
KAFB-SI243-02 0911			36	20	H									9' SAND (SP) BROWN (7.5YR 6/6) DRY, MED. DENSE,
						0/20 08-10-94 B.S.								LOW EST IR, VFG-FG SUBANG. SAND. 5-10% SILT, 1-2% MG.
							SAMP	BOND			9			
											10			

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

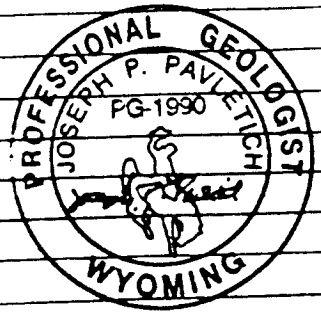
Project / Job No.: KAFB 2B 2AS6

Borehole / Well No.: SF243-02

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/PID	Analysis		Lithology Code	(Static Water Level)	Depth (ft)	Recovery	Contact
							VOC	GRAD		▽ 50'			
							ASTM	Hydrometer	ANALYST		11	1.9'	

10.5' SILTY SAND (SM) BROWN (7.5YR 4/6) MOIST. MED. DENSE
LOW PLST IC, V.F. SUBROUND SAND. 5-10% CLAY. 15-20% SILT
11-22 MX. WEATHERED BIOTITE COMMON



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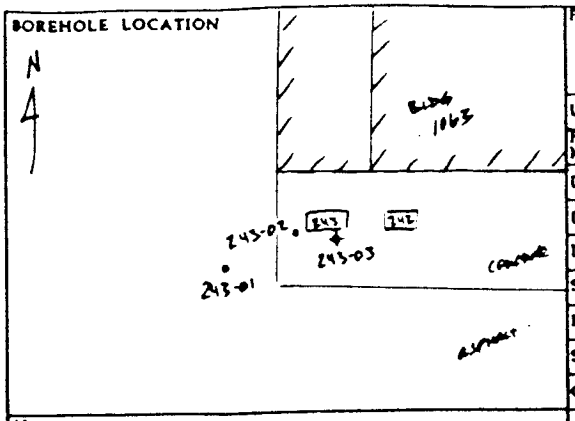
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: SS-243-03
	Job No: 2A56
Logged By: J. Pavletich	Edited By: JP
Project Manager: K. Walter	Drill Rig: Geoprobe
Drilling Contractor: BNE	
Driller/Helper: B. Wolfe / S. Camp	
Drilling Method: Geoprobe Construction Method Code = (V (driven), HA = Hand Augered	
Sample Method: LARGE- BORE SAMPLER	
Hammer Weight/Drop: N.A	Borehole Diameter: 1.375"
Started, Time: 0945	Date: 5-16-94
Completed, Time: 1115	Date: 5-16-94

Notes:

BACKGROUND 7.0 β-R / HE

HNu/FID	0/1.75					
β-γ (cpm)	40-60					
Time	1006					
Date	5-16-94					

Total Depth: 11 FT. Casing Depth:

Screened Interval:

Sand Pack, #3: #0:

Well Development Method:

Time: Date: Flow Rate:

Geophysical Logs, Type:

By: Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses		Lithology Code	Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
													CONCRETE 0"-11"
									SP-SM	1			SILTY SAND (SM) BROWN (7.5YR 5/6) MOIST. LOOSE. MED DENSE
										2			LOW EST IR, VFG-FG SUBROUND SAND. 15-20% SILT. 5-10% MG 1% CG
										3		?	
SS-243-SB-001	5'-7'		24	10	F	0/1.75 BZ: ND-40	VOC	GRO	SP-SM	4			3'? NOTE: HIT HARD LAYER AT ~5'; CONCRETE DEBRIS TO COLLECT SVOC & METALS SAMPLES; ONLY VOC'S/GRO SUBMITTED
										5		?	3'? SILTY SAND (SM) BROWN (7.5YR 4/6) MOIST, MED. DENSE, LOW EST. IR, VFG-FG SUBANG SAND. 20-25% SILT, 2-3% MG, 1% CG. MOTTLED & STAINED BY CALICHE.
										6			** HAD TO PRE-PROBE HOLE TO 7' TO BE CLEAR OF OBSTRUCTIONS
										7			
										8		?	COBBLES/GRAVEL AT 8' (DRILLER)
SS-243-SB-002	9'-11'		36	22	G	0/1.75 BZ: ND-40	SVOC	BDD	SP-SL	9		?	9'? SILTY SAND (SM) BROWN (7.5YR 6/6) MOIST, MED. DENSE
										10			LOW EST. IR, VFG-FG SUBANG. SAND. 15-20% SILT, 2-3% MG, AROUND BOTTOM BOREHOLE BOTTOM

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recvd	Sample Cond.	HNu/PID	Analysis		Lithology Code	GWL	Depth (ft)	Recovery	Contact
							VOC	GRO					
							METALS	Hg PH	MOISTURE	GWL	1		TD
											2		
											3		
											4		
											5		
											6		
											7		
											8		
											9		
											0		
											1		
											2		
											3		
											4		
											5		
											6		
											7		
											8		
											9		
											0		

Project / Job No.: KAFB 2B 2A56

Borehole / Well No.: SP-243-03

Notes:

10 FT SANDY GRAVEL (GP) BROWN (10YR 5/3) DRY. V. DENSE, LOW PLAST IK, 2cm PEBBLES TO 20mm & 1-5% SILT, 5% V FG - 10% FGT MG, 15% CG

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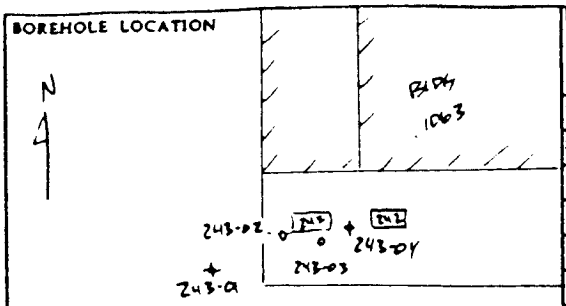
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: SS-243-04
	Job No: 2AS6
Logged By: J. Pavlelich	Edited By: JP
Project Manager: K. Walter	Drill Rig: Geoprobe
Drilling Contractor: BTLE	
Driller/Helper: B. Wolfe / S. Camp	
Drilling Method: Geoprobe Construction Method Code = (V (driven), HA = Hand Augered	
Sample Method: LARGE BORE SAMPLER	
Hammer Weight/Drop: N.A	Borehole Diameter: 1.375"
Started, Time: 1120	Date: 5-16-94
Completed, Time: 1210	Date: 5-16-94

Notes:

BACKGROUND B = BWR/HE

HNu/FID	0/1.75						
B-γ (cpm)	60-80						
Time	1120						
Date	5-16-94						

Total Depth: 12 FT | Casing Depth:

Screened Interval:

Sand Pack, #3: #0:

Well Development Method:

Time: Date: Flow Rate:

Geophysical Logs, Type:

By: Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses		Lithology Code	Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
													CONCRETE 0'-11"
									SM	1			SILTY SAND (SM) BROWN (7.5YR 5/6) MOIST, LOOSE
													MED DENSE, LOW EST. IR, VFG-FG SUBANG SAND, 15-20% SILT,
										2			5-10% MG, 1% CG
													2.5' SILTY SAND (SM) BROWN (7.5YR 4/6) MOIST, MED. DENSE,
KAFB-SS243-04 0305-			24	20	G	0/1.75 BZ=0	SVOC	DRO	SM	3			LOW EST IR, VFG-FG SUBANG SAND. 15% SAT, 5-10% MG. 1-2% CG.
							VOC	GRO					4.75' SAND (SW) BROWN (7.5YR 4/6) MOIST, MED. DENSE,
							METALS	Hg FH	MOIST.	4		SDIF SDFN	LOW EST, IR, VFG-FG SUBANG SAND. 5-10% SLT, 1-2% MG, <1% CG.
										5			CALICHE STAINED PEBBLES TO 5mm Ø COMMON
										6			
										7			
KAFB-SS243-04 0812			48	20	G	0/1.75 BZ=0.8				8			
										9		SDSL	
										10			

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56 | Borehole / Well No.: SS 243-04

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/PID	Analysis		Lithology Code	(ft bgs)	Depth (ft)	Recovery	Contact
							SVOC	TPH			11		
							VOC	GRO					
							METALS	Hg	WATER		12		TD

9.9' SILTY SAND (SM) BROWN (10YR 6/8) MOIST, MED DENSE
LOW PLAST IC, VFG-FG SUBANG SAND. 15% SILT. 5-10% MG.
ACCRS. VCA (<1%
TRACE OF GRAVEL AT 12 FT

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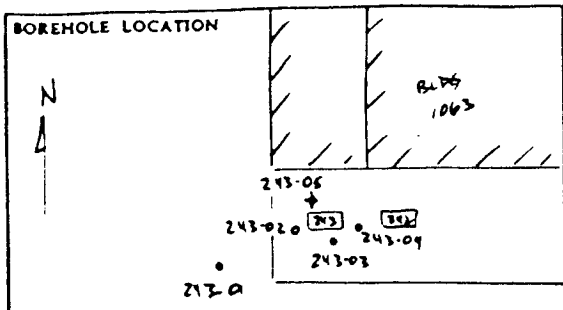
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: ST 243-05
Logged By: J. Pavlotich	Job No: 2A56
Project Manager: K. Walker	Edited By: JP
Drilling Contractor: BCE	Drill Rig: Geoprobe
Driller/Helper: B. Wolfe / S. CAMP	
Drilling Method: Geoprobe Construction Method Code: (D) (driven), HA = Hand Augered	
Sample Method: LARGE-BORE SAMPLER	
Hammer Weight/Drop: NA	Borehole Diameter:
Started, Time: 1210	Date: 5-16-94
Completed, Time: 1252	Date: 5-16-94

Notes:

BACKGROUND γ = B = R/HR

HNu/PID	0/1.5							
β-γ (cpm)	40-60							
Time	1210							
Date	5-16-94							

Total Depth: 11FT. Casing Depth:

Screened Interval:

Sand Pack, #3: #0:

Well Development Method:

Time: Date: Flow Rate:

Geophysical Logs, Type:

By: Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/PID Reading	Analyses		Lithology Code	Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
									SM/SC				CONCRETE 0"-9"
										1			SILTY SAND (SM) BROWN (7.5YR 5/6) MOIST, LOOSE-MED DENSE, LOW EST. IL, VFG-FG SUBRND SAND, 15-25% SILT, 10-15% MG, 2% CG.
										2			
										3			
KAFB-ST243-05 0516			36	18	4	0/1.5 BZ=0	SHOC	DOD		4			3.5' SILTY SAND (SM) TAN (10YR 7/3) DRY, MED. DENSE, LOW EST IL, VFG SUBANG SAND, 20-25% SILT, 15-20% FG, 1-2% MG, HEAVILY STAINED BY CALICHE.
							VOC	GRD		5			
							HEAVY	SLIGHT	WATER	6			@ 6' COLOR CHANGE TO 7.5YR 5/4 + 1% VG
										7			
KAFB-ST243-05 0811			36	21	6	0/1.5 BZ=0				8			
							SHOC	DOD		9			8' SILTY SAND (SM) BROWN (7.5YR 5/6) MOIST, MED-DENSE LOW EST IL, VFG-FG SUBANG SAND 15% SILT, 2-5% MG, 1% CG
										10			

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56

Borehole/Well No.: SB43-05

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recv'd	Sample Cond.	HNu/OVA	Analysis		Lithology Code	(USCS)	Depth (ft)	Recovery	Contact	
							VOC	GRO		SP-SM				10' SILTY SAND (SM) BROWN (5YR 4/6) MOIST, DENSE,
							METALS	pH	MOIST		11			LOW PLAST. IF, VFG SUBANG. SAND, 10% CLAY, 15-20% SILT, H2O
														MK.
											2			
											3			
											4			
											5			
											6			
											7			
											8			
											9			
											0			
											1			
											2			
											3			
											4			
											5			
											6			
											7			
											8			
											9			
											0			

PROFESSIONAL GEOLOGIST
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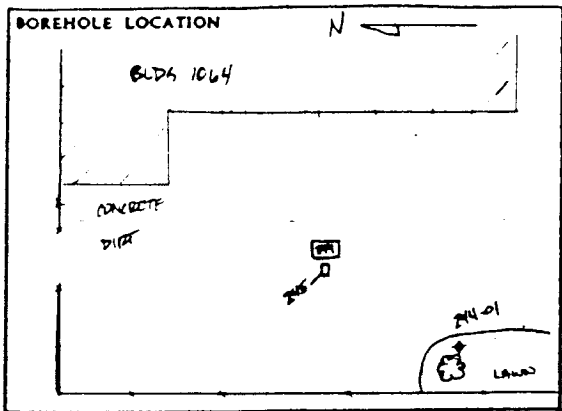
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: SS244-01
	Job No: 2AS6
Logged By: J. Pavletich	Edited By: JP
Project Manager: K. Walter	Drill Rig: Geoprobe
Drilling Contractor: SIZE	
Driller/Helper: B. Wolfe	
Drilling Method: Geoprobe Construction Method Code: (V (driven), HA = Hand Augered	
Sample Method: LARGE BORE SAMPLER	
Hammer Weight/Drop: N A	Borehole Diameter: 3.25
Started, Time: 0915	Date: 5-25-94
Completed, Time: 1045	Date: 5-25-94

Notes: THESE SAMPLING DEPTHS CHOSEN TO BE THE SAME AS THE SAMPLING DEPTHS OF THE NORTH TRENCH 8,18

BACKGROUND 8 = 10.2 B/HA

HNu/PID	0/41						
B-T (cpm)	20-40						
Time	0900						
Date	5-25-94						

Total Depth: 22 FT.	Casing Depth:
Screened Interval:	
Sand Pack, #3:	#0:
Well Development Method:	
Time: Date:	Flow Rate:
Geophysical Logs, Type:	
By:	Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/PID Reading	Analyses		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
										SOIL				LAWN AT SURFACE 0-3'
											1			CLAYEY SAND (SC) BROWN (7.5YR 4/4) WET, LOOSE, MOD. EST
														1% VFG-FG SUBANG SAND, 15-20% CLAY, 20% SILT, 10% MG.
											2			
											3			
										SOIL	4			
														4'? SILTY SAND (SM) PALE BRN (10YR 8/4) DRY, DENSE, LOW EST
			12	9	6	0/41 (BD 10-8-94)					5			1% VFG. SUBANG SAND 15-20% SILT 20% FG 2-3% MC.
											6			
										SOIL	7			7' SAND (SP) YEL-BROWN (10YR 5/6) MOIST, MOD DENSE,
KAFB-SS244-0812 10AUG94-0812														MOD. EST. 1% VFG SUBANG SAND, 5% SILT, 15% FG, 2-3% MC
			24	20	6		SVOC	TPH			8			
						0/41 (BD 10-8-94) 8-9	SVOC METALS	TPH Hg pH	E MOIST		9			AT 9' 2-3% MC.
											10			

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No. KAFB 2B 2A56 | Borehole/Well No.: SF244-01

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recv'd	Sample Cond.	HNu/PID	Analysis		Lithology Code	Depth (ft)	Recovery	Contact	
			24	19	G	0/21	METALS	Hg, PH	MOIST-	10			10' SILTY SAND (SM) YEL-BRN (10YR 5/6) MOIST MED DENSE LOW EST IK, VFG SUBANG SAND 15% SILT 2-2% FG, 1-2% MG MOTTLED W/ CALCITE
							VOC	AVO					
						0/21	VOC	GRO	R	11			
										12			12.5' SAND (SP) YEL-BRN (10YR 5/6) MOIST MED DENSE SW EST IK, VFG-FG SUBANG SAND 5% SILT 1-2% MG <1% CA
										13			
										14			
										15			15' CLAYEY SAND (SC) DK YEL-BRN (10YR 4/6) MOIST MED DENSE LOW EST IK VFG-FG SUBANG SAND 15-20% CL-MH, 20-25% SILT 5% MG POOR SORTING, PEBBLES TO 5mm ϕ
			12	12	G	0/21				16			
										17			
	MW/MSD									18			
KAFB-SF244-01-1822			24	22	G	0/21	SVOC	DRO		19			19.5' SILTY SAND (SM) YEL-BRN (10YR 5/6) MOIST MED DENSE LOW EST IK, VFG-FG SUBANG SAND 15% SILT 1-2% MG
KAFB-SF244-01-1822						0/21	SVOC	DRO	MS/MSD				
							METALS	Hg, PH	MOIST	20			
KAFB-SF244-01-2122			24	20	G	0/21	METALS	Hg, PH	MOIST-MS/MSD	21			21.75' SILTY SAND (SM) DK YEL-BRN (10YR 4/4) MOIST MED DENSE LOW EST. IK FG SUBANG SAND 15% SILT 15% VFG 03% MG 10% CA, WEATHERED BIOTITE COMMON
							VOC	AVO					
						0/21	VOC	GRO	MS/MSD	22			
										3			
										4			
										5			
										6			
										7			
										8			
										9			
										0			

PROFESSIONAL GEOLOGIST
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PG 1000
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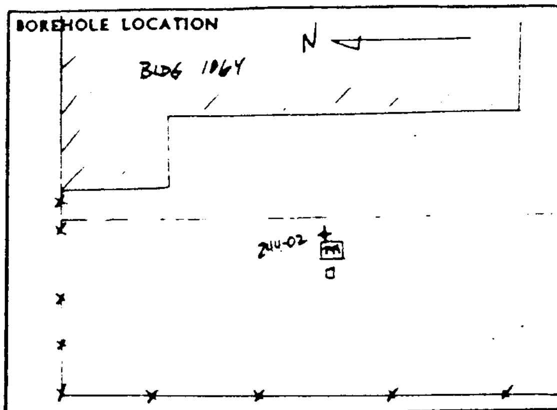
BOREHOLE / WELL CONSTRUCTION LOG

Page 1 of 1

BOREHOLE LOCATION



Notes: 3.8'

EXCAVATION RATE = 10 FT/HR

Project: KAFB Stage 2B	**Borehole/Well No:** ST 244-02
	Job No: 2A56
Logged By: J. Pavletich	**Edited By:** JP
Project Manager: K. Walter	**Drill Rig:** Geoprobe
Drilling Contractor: BRE	
Driller/Helper: B. Wolfe	
Drilling Method: Geoprobe Construction Method Code = V (driven), HA = Hand Augered	
Sample Method: LARGE BORE SAMPLER	
Hammer Weight/Drop: NA	**Borehole Diameter:** 1.375"
Started, Time: 1115	**Date:** 5-25-94
Completed, Time: 1150	**Date:** 5-25-94

HNu/PID	0/1			
β-γ (cpm)	40-60			
Time	1115			
Date	5-25-94			

PROFESSIONAL GEOLOGIST JOSEPH P. PAVLETICH PG-1990 WYOMING

Total Depth: 10 FT
Casing Depth:
Screened Interval:
Sand Pack, #:
Well Development Method:
Time: **Date:** **Fluid Rate:**
Geophysical Logs, Type:
By: **Date:**

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/PID Reading	Analyses		Lithology Code	Depth in Feet
									SDSL	0–2
									SDFN	2–5
KAFB-ST244-02 0305		↓	24	20	6	0/ BG-[illegible] 8-9	SVOC VOC METALS	DRO GRO Ag Pb	MOIST.	3–5
									SDSL	5–7
									SDFN-SDMD	7–9
KAFB-ST244-02 0810		↓	24	22	6	0/ BG-[illegible] 8-9	SVOC VOC METALS	DRO GRO Ag Pb	MOIST.	8–10
									SDMD-SDFN	9–10

LITHOLOGIC DESCRIPTIONS

SILTY SAND (SM) BROWN (7.5YR 4/4) WET, LOOSE, LOW-MOD. EST. 1K, FG SUBANG SAND, 15% SILT, 10% VFG, 5% MG, 10% CG-VCG, AND PEBBLES TO 30mm Ø ON SURFACE

2'? SAND (SW) PALE BRN (10YR 7/3) DRY, MED DENSE, MOD. EST 1K, FG SUBANG. SAND 5% SILT, 10-15% VFG 5% MG, 5% CG.

4.75' SILTY SAND (SM) PALE BRN (10YR 8/4) DRY, DENSE, LOW EST 1K, VFG-FG SUBANG SAND, 20-30% SILT, 5% MG, WELL-CEMENTED & STAINED W/ CALICHE

7' SAND (SP) PALE BRN (10YR 7/3) MOIST, MED DENSE, MOD-HIGH EST. 1K, FG-MG. SUBANG. SAND, NO SILT, 5-10% VFG, 10% CG,

9' SAND (SP) BROWNISH YELLOW (10YR 6/6) MOIST, MED. DENSE, LOW-MOD. EST. 1K, VFG-FG SUBANG. SAND. <5% SILT, 1-2% MG-CG.

5% SUBANG. PEBBLES TO 4mm Ø at 10'

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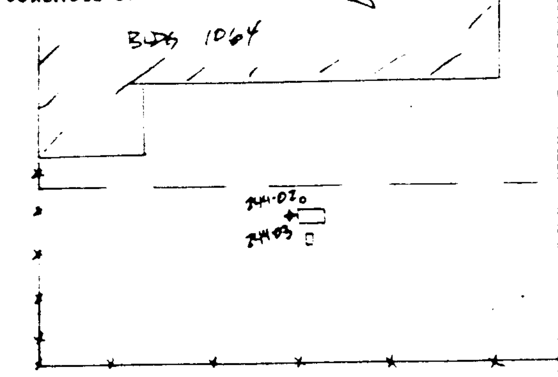
BOREHOLE / WELL CONSTRUCTION LOG

Page 1 of ___

BOREHOLE LOCATION



Project: KAFB Stage 2B		**Borehole/Well No:** ST244-03	
		Job No: 2A56	
Logged By: J. Pavletich		**Edited By:** JP	
Project Manager: K. Walker		**Drill Rig:** Geoprobe	
Drilling Contractor: BDE			
Driller/Helper: B. Wolfe			
Drilling Method: Geoprobe	Construction Method Code = V (driven), HA = Hand Augered		
Sample Method: LARGE BORE SAMPLER			
Hammer Weight/Drop: NA		**Borehole Diameter:** 1.375"	
Started, Time: 1213		**Date:** 5-25-94	
Completed, Time: 1248		**Date:** 5-25-94	

Notes:

BACKGROUND 7-9 uR/HR

HNu/FID	0/<1					
β-γ (cpm)	60-100					
Time	1213					
Date	5-25-94					

Total Depth: 10 FT

Casing Depth:

Screened Interval:

Sand Pack, #3:

Well Development Method:

Time: **Date:**

Geophysical Logs, Type:

By: **Date:**

PROFESSIONAL GEOLOGIST JOSEPH P. PAVLETICH PG-1990 WYOMING

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses		Lithology Code
KAFB-ST244-03 03.5'			24	22	6	0/4 BG: 60-120 β: 10	SVOC	TPHD	
							VOC	GRO	
							METALS	Hg pH	MOIST.
KAFB-ST244-03 08D			24	21	6	0/2 BG: 60-100 β: 9	SVOC	DRO	
							VOC	GRO	
							METALS	Hg pH	MOIST.

Depth in Feet	Log symbol	LITHOLOGIC DESCRIPTIONS
0	SDSL	SILTY SAND (SM) BROWN (7.5YR 4/4) WET, LOOSE, LOW-MOD EST IK FG SUBANG SAND 15% SILT, 10% FG, 5% MG, 10% CG-VCG ZND PEBBLES TO 30mm ϕ
2	SDFN-SDMD	2'? SAND (SP) BROWN (7.5YR 5/6) MOIST, LOOSE, MOD-HIGH EST IK FG-MG SUBANG. SAND, <5% SILT, 10% VFG. 5% CG
3.5	SDVF-SDFN	3.5' SAND (SP) YELLOWISH-BROWN (10YR 5/6) MOIST, MED. DENSE, LOW EST. IK VFG-FG. SUBANG. SAND. 10% SILT,
3.75	SDSL	3.75' SILTY SAND (SM) PALE BRN (10YR 8/3) DRY, V. DENSE. LOW EST. IK, VFG-FG SUBANG. SAND 20-30% SILT, 5% MG. HEAVILY CEMENTED W/ CALICHE
7	SDVF-SDFN	7'? SAND (SP) YELLOWISH-BROWN (10YR 5/4) MOIST, DENSE, LOW EST. IK, VFG-FG SUBANG SAND 5% SILT, 1-2% MG-CG, CALICHE STAINED PATCHES TO 15mm ϕ
9.5	SDCL	9.5' CLAYEY SAND (SC) DARK YELL. BRN (10YR 4/6) MOIST, DENSE, LOW EST. IK, VFG SUBRND SAND, 20-30% CLAY, 20-30% SILT CALICHE STAINED PATCH TO 20mm ϕ at 10'
10		

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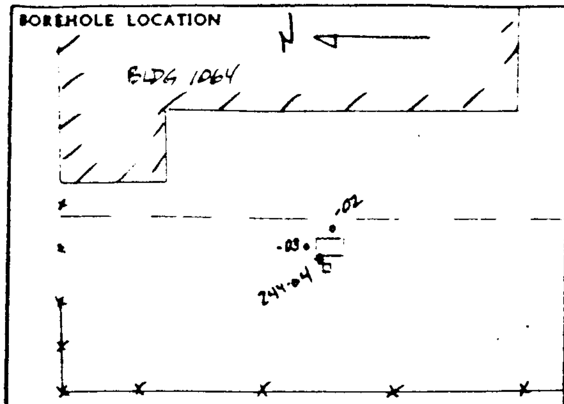
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: ST244-04
	Job No: 2A56
Logged By: J. Pavletich	Edited By: JP
Project Manager: K. Walker	Drill Rig: Geoprobe
Drilling Contractor: ETE	
Driller/Helper: B. Wolfe	
Drilling Method: Geoprobe Construction Method Code = V (driven), HA = Hand Augered	
Sample Method: LARGE BORE SAMPLER	
Hammer Weight/Drop: NA	Borehole Diameter: 1.375"
Started, Time: 1248	Date: 5-25-94
Completed, Time: 1325	Date: 5-25-94

Notes:

BACKGROUND β = 9 µR/HR

HNu/FID	0/41				
β-γ (cpm)	40-80				
Time	1350				
Date	5-25-94				

Total Depth: 10 FT Casing Depth:
Screened Interval:
Sand Pack, #:
Well Development Method:
Time: Date:
Geophysical Logs, Type:
By: Date:

PROFESSIONAL GEOLOGIST JOSEPH P. PAVLETICH PG-1930 WYOMING

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses		Lithology Code	Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
									SM	0–2			SILTY SAND (SM) BROWN (7.5YR 4/4) WET, LOOSE, LOW-MOD. EST. K, FG SUBANG SAND, 15-20% SILT, 10% MG, 10% CG-VCG, RND PEBBLES TO 30mm Ø
									SP	2		?	2'? SAND (SP) YELLOWISH BROWN (10YR 5/6) MOIST, MED. DENSE, MOD.-HIGH EST. K, MG SUBANG SAND, 2-3% SILT, 5% VFG, 10-15% FG, 1-2% CG
KAFB-ST244-04 0305		↓	24	22	6	0/41 β-γ 40-80	SVOC VOC METALS	TPH GRO PAH MOIST	SM	3.25–5			3.25' SILTY SAND (SM) PALE BROWN (10YR 8/4) DRY, DENSE, LOW EST K, VFG SUBANG SAND 20-30% SILT, 5-10% FG, HEAVILY CEMENTED W/ CALICHE
									SM	7		?	7'? SILTY SAND (SM) YELLOWISH BROWN (10YR 5/6) MOIST, MED DENSE LOW EST. K, VFG-FG SUBANG SAND, 5% CLAY, 15-20% SILT, 5% MG, 1-2% CG, CALICHE PATCHES TO 10mm Ø
KAFB-ST244-04 0810		↓	24	22	6	22 0/41 β-γ 40-80	SVOC VOC METALS	TPH GRO ASPH MOIST	SP	9–10			9' SAND (SP) DARK YELLOW-BROWN (10YR 4/6) MOIST, MED. DENSE LOW EST K, FG, SUBANG, SAND, 5-10% SILT, 15% VFG, WEATHERED BIOTITE COMMON

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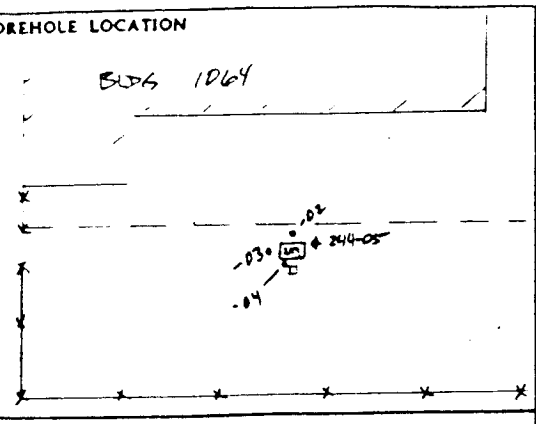
BOREHOLE / WELL CONSTRUCTION LOG

Page 1 of 1

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: SB44-05
	Job No: 2A56
Logged By: J. Pavletich	Edited By: JP
Project Manager: K. Walker	Drill Rig: Geoprobe
Drilling Contractor: BTLE	
Driller/Helper: B. Wolfe	
Drilling Method: Geoprobe Construction Method Code = V (driven), HA = Hand Augered	
Sample Method: LARGE-BORE SAMPLER	
Hammer Weight/Drop: NA	Borehole Diameter: 1.375"
Started, Time: 1325	Date: 5-25-94
Completed, Time: 1410	Date: 5-25-94

Notes:

BACKGROUND T = 9 mR/HR.

HNu/PID	0/CI				
β-γ (cpm)	80-140				
Time	1325				
Date	5-25-94				

PROFESSIONAL GEOLOGIST JOSEPH P. PAVLETICH PG-1000 WYOMING

Total Depth: 10 FT	Casing Detail:
Screened Interval:	
Sand Pack, #3:	
Well Development Method:	
Time: Date:	
Geophysical Logs, Type:	
By: Date:	

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/PID Reading	Analysis		Lithology Code	Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
										0		SM	SILTY SAND (SM) BROWN (7.5YR 4/4) WET, LOOSE, LOW PLA
										1			EST. 1% FG SUBANG. SAND, 15-20% SILT, 10% MG, 10% CG-BOS
													THIS PEBBLES TO 20mm ϕ ON SURFACE
										2		SM	2'? SILTY SAND (SM) LT YEL-BROWN (10YR 6/4) MOIST, MED DENSE
													LOW EST. 1% VFG SUBANG SAND. 20-30% SILT, 10% FG, 2-5% MG.
										3			HIGHLY CALCITE STAINED
SB44-05 0.0-4.0			24	22	6	0/CI	SVOC	TPHD		4			@ 5' 1-2% SUBANG. PEBBLES TO 4mm ϕ
							VOC	GRO					
							METALS	pH	MOIST.	5			
										6			
										7			7'? SILTY SAND (SM) YELLOWISH-BROWN (10YR 5/6) MOIST, MED.
												SM	DENSE, LOW EST. 1% VFG-FG SUBANG SAND 15% SILT, 2-3% MG
										8			1% CG.
													@ 9' 1% SUBANG. PEBBLES TO 4mm ϕ
SB44-05 9.0-10.0			24	22	6	0/CI	SVOC	TPHD		9			9.75' CLAYEY SAND (SC) DARK BROWN (10YR 4/3) MOIST, DENSE, V. LOW
							VOC	GRO					EST 1% VFG SUBANG SAND. 20-30% CLAY, 15-20% SILT MOTTLED
							METALS	pH	MOIST.	10		SC	W/ CALCITE AT 10'

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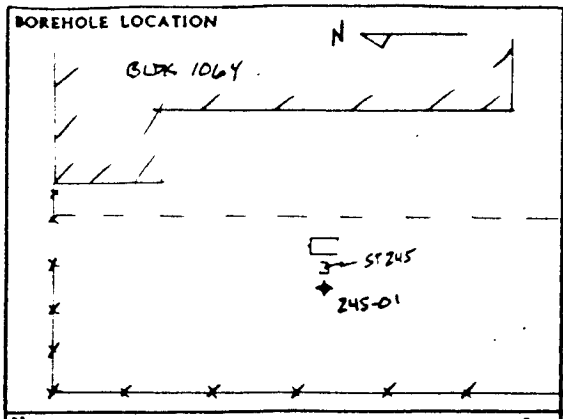
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: SS 245-01
	Job No: 2A56
Logged By: J. Pavletich	Edited By: JP
Project Manager: K. Walter	Drill Rig: Geoprobe
Drilling Contractor: BRE	
Driller/Helper: B. Wolfe	
Drilling Method: Geoprobe Construction Method Code = V (driven), HA = Hand Augered	
Sample Method: LARGE BORE SAMPLER	
Hammer Weight/Drop: NA	Borehole Diameter: 1.375"
Started, Time: 1410	Date: 5-25-94
Completed, Time: 1515	Date: 5-25-94

Notes: B, G

BK GROUND 9:9 @ 1410

HNu/PID	0/C1					
BZT (cpm)	40-80					
Time	1415					
Date	5-25-94					

Total Depth: 22 FT | Casing Depth:

Screened Interval:

Sand Pack, #3: | #0:

Well Development Method:

Time: | Date: | Flow Rate:

Geophysical Logs, Type:

By: | Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/PID Reading	Analyses		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
										SOFT				SILTY SAND (SM) BROWN (7.5YR 4/4) WET, LOOSE, LOW-
											1			MOD. EST IK, FG SUBANG. SAND 15% SILT, 10% VFG, 10% MG,
														5% CG-VCG. RND PEBBLES TO 25mm ϕ ON SURFACE
											2			
											3			
										STIFF	4			
														4'? SAND (SP) YELLOWISH BROWN (10YR 5/6) MOIST, MED. DENSE,
			12	7	4	0/C1 PID-40-80 BZT-9					5			LOW-MED. EST IK, VFG. SUBANG SAND. 2-5% SILT, 10-15% FG.
														OCCAS. MIX. PEBBLES TO 5mm ϕ
											6			
											7			7'? SILTY SAND (SM) YELLOWISH-BROWN (10YR 5/6) MOIST, MED DENSE
										SOFT				LOW EST. IK, VFG-FG SUBRND SAND. 5% CLAY, 15-20% SILT, 2-3% MG
			24	20	4						8			1% CG. CALICHE PIECES @ 3mm ϕ
LAKE ST245-01 DRILL							SVOC	TCLP			9			9' SAND (SP) YELLOWISH-BROWN (10YR 5/6) MOIST, MED DENSE, LOW EST. IK,
						0/C1 PID-40-80 BZT-9	VOC	GRAD		SOFT SAND				FG-MG. MG. SAND. 5-8% VFG. 15-20% CG. ROUND TO SUBANGULAR CLASTS
							METALS	1% AS	MOIST.	STIFF	10			9.75' SAND (SP) DARK YELLOWISH-BROWN (10YR 4/6) MOIST, MED. DENSE

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56

Borehole/Well No.: 5745-01

Depth (ft)	Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/PID	Analysis		Lithology Code		Contact	Notes
10–11													LOW EST 1K. VFG SUBRND SAND. 5% SILT, 10% FG. WEATHERED BIOTITE COMMON
11													
12													
13													
14											50%	?	14'? SILTY SAND (SM) DRK YELL-BRN (10YR 4/6) MOIST, MED DENSE, LOW EST. 1K. VFG SUBANG. SAND. 10% CLAY, 20-25% SILT, 5-10% FG 1% MG
15–16			↓	12	11	6	0/2						
17											50%	?	17'? CLAYEY SAND (SC) DARK YELLOW BRN (10YR 4/6) MOIST, MED DENSE, LOW EST 1K, VFG SUBRND SAND, 30% CLAY, 30% SILT. WEATHERED BIOTITE COMMON
18–20	KAFB-5745-01-18-22 / KAFB-5745-QA-18-22		↓	24	22	6	0/21	SVOC	DTLO				
								SVOC	DTLO-R				
								METALS	Hg pH MOIST				
20–22			↓	24	22	6	0/21	METALS	Hg pH MOIST-R		50%		20.25 SILTY SAND (SM) DRK YELLOW BROWN (10YR 4/6) MOIST, MED DENSE, LOW EST 1K, VFG SUBANG SAND, 15% SILT, 10% FG, 1% MG. 1% CG-VCG
								VOC	GRO				
								VOC	GRO-R		50%		CLAYEY SAND (SC) SAME AS AT 17'
23–30													

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PG-1990
WYOMING

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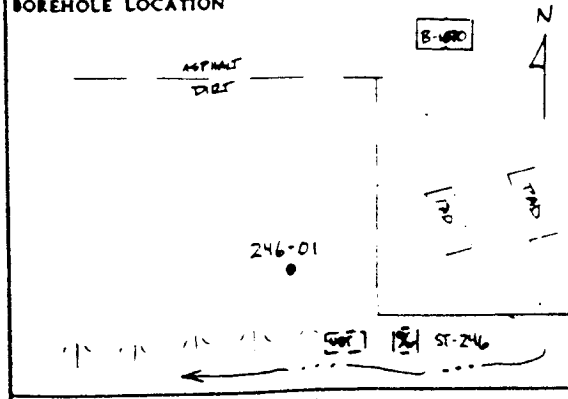
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: KAFB - SS246 - 01
	Job No: 2A56
Logged By: J. Pavlotich	Edited By:
Project Manager: K. Walter	Drill Rig: Geoprobe
Drilling Contractor: B & E	
Driller/Helper: B. Wolfe / M. CHRISTIAN	
Drilling Method: Geoprobe Construction Method Code: (V (driven), HA = Hand Augered	
Sample Method: GEOPROBE LARGE BORE SAMPLER	
Hammer Weight/Drop: N A	Borehole Diameter: 1.875"
Started, Time: 1445	Date: 3-25-94
Completed, Time: 1600	Date: 3-25-94

Notes: 4.5' - 5' SAMPLING DEPTH

ONLY THE HNU (PID) USED FOR SCREENING

Water Depth													
Boring/Casing Depth													
Time													
Date													

Total Depth: 16.5 FT | Casing Depth:

Screened Interval:

Sand Pack, #3: #0:

Well Development Method:

Time: Date: Flow Rate:

Geophysical Logs, Type:

By: Date:

Sample ID	Sampler Type / depth	Blows / 6 inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/PID Reading	Analyses		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
									SDSL					SURFACE SILTY SAND (SM) RED BROWN (2.5Y 5/6) DRY, V. LOOSE. LOW MOD DRY BRT 1K VFG ANG. SAND 15-20% SILT. 1-2% FG-MG SAND SAND. ANG. PEBBLES TO 10mm ϕ COMMON ON SURFACE
									SDNF		1			
											2			
											3			
											4		?	
			18	9	F	ND					5			? SAND (SM) RED BROWN (2.5Y 5/6) MOIST, LOOSE. MED DENSE MOD BRT 1K. VFG ANG. SAND 10-15% SILT 1-2% FG-MG ANG SAND PEBBLES TO 10mm. WEATHERED BIOTITE FLAKES COMMON
											6			
											7			
											8			
											9			
											10			

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56 | Borehole / Well No.: SS-246-01

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recv'd	Sample Cond.	HNu/OVA	Analysis		Lithology Code	Depth (ft)	Recovery	Contact
KAFB-SS246-01 10/12			12	15	P	ND	VOC, GRO			11		
							METALS Hg PH MOISTURE			12		
			18	12	G	ND	SVOC	DRO		13		
										14		
KAFB SS-246-01-N.S.P.165 (N16)			24	18	F	ND	METALS Hg PH MOISTURE			15		
							SVOC, DRO			16		
							VOC	GRO		17		
										8		
										9		
										0		
										1		
										2		
										3		
										4		
										5		
										6		
										7		
										8		
										9		
										0		

11-12' SAME AS AT 5' EXCEPT COLOR CHANGE TO (7.5YR 4/6)

CALICHE NODULES/FRAGMENTS/STRINGERS PRESENT

AT 13' SILTY SAND (SM) BROWN (7.5YR 4/6) MOIST, MED. DENSE. LOW MOD EST IK, VFR. SAND. SAND 85-90% SILT 10-12% FG-CG SAND W/ BATHROOM BOTTLE COMMON.

@ 16.5' SAME AS 13'

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PG-1990
WYOMING

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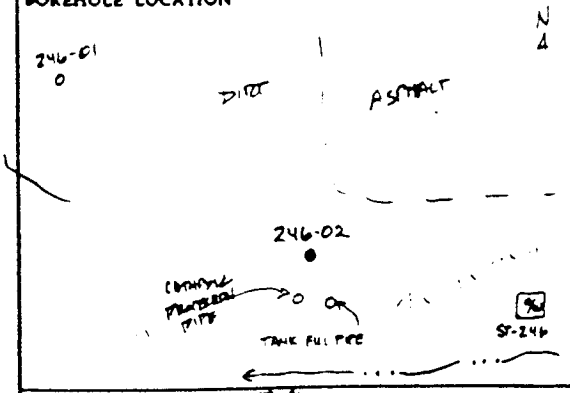
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: KAFB - ST246-02
	Job No: 2A56
Logged By: J. Pavletich	Edited By: JP
Project Manager: K. Walter	Drill Rig: Geoprobe
Drilling Contractor: BARE	
Driller/Helper: B. Wolfe / M. CHRISTIAN	
Drilling Method: Geoprobe Construction Method Code: V (driven), HA = Hand Augered	
Sample Method: LARGE BORE SAMPLER	
Hammer Weight/Drop: NA	Borehole Diameter: 1.375"
Started, Time: 0900	Date: 03-28-94
Completed, Time: 1020	Date: 03-28-94

Notes: 10/15 CAMPLE INTERVAL

ONLY THE TPID USED TO SCREEN THIS BORE HOLE

Water Depth												
Boring/Casing Depth												
Time												
Date												

Total Depth: 27 FT

Screened Interval:

Sand Pack, #3:

Well Development Method:

Time: Date:

Geophysical Logs, Type:

By:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/PID Reading	Analysis		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
									SM/SW					SURFACE SILTY SAND (SM) BROWN (7.5YR 5/4) MOIST, V. LOOSE, MOD-HIGH PLSTK, VFG-FG SAND 20-25% SILT, 5-10% MED-CG ANG SAND GRNS, SUBANG PEBBLES TO 25mm Ø
											1			
											2			
											3			
									SM				?	
											4			
													?	
			24	3	P	ND	-				5		?	SILTY SAND (SM) BROWN (7.5YR 5/4) MOIST, LOOSE, MOD PLSTK, VFG-FG ANG. GRNS, 25-30% SILT, 5-15% MED-CG ANG. SAND, CALCITE FRACTURES, STRINGERS & NODULES (TO 3mm Ø) COMMON
											6			
											7			
											8			
											9		?	
									SM					
											10			

PROFESSIONAL GEOLOGIST JOSEPH P. PAVLETICH PG-1990 WYOMING

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56 | Borehole/Well No.: SS-246-02

Notes:

Sample ID	Sampler Type	Blows / 6 inch	Inches Driven	Inches Recv'd	Sample Cond.	OVM/PID	Analysis	Lithology Code	Depth (ft)	Recovery	Contact	Description
KAFB-SS246-02-10/12			24	20	F	1-8	SVOC, DRO VOC, GRO METALS, Hg, PM, MOIST		11		?	7' SILTY SAND (SM) RED BROWN, (7.5YR 5/4) MOIST, LOOSE, MODERATE IK VFG-FG ANG SAND, 20-25% SILT, 5-15% MG-CG ANG SAND WEATHERED BIOTITE COMMON
									12			
									13			
								SILT	14		? ?	13.8' SANDY SILT (ML) BROWN (7.5YR 4/4) MOIST, SOFT, MOD EST IK, 15-20% SAND. ANG. VFG-FG. SAND 2-3% ANG MG-CG SAND WEATHERED BIOTITE COMMON
KAFB-SS246-02-14/16			24	22	G	8-12	SVOC, DRO VOC, GRO METALS, Hg, PM, MOIST	SILT	15			15.8' SILTY SAND (SM) RED-BROWN (7.5YR 4/6) MOIST, LOOSE-MED DENSE VFG-FG ANG. SAND. 20% SILT. 5-10% ANG. MG-CG SAND. CALICHE NODULES TO 3mm ϕ COMMON
									16			
									17			
									18			
								SILT	19		?	
									20		?	18.5' SILT (ML) LIGHT TAN-WHITE (7.5YR 7/3) MOIST, SOFT, MOD EST IK 5-10% VFG-CG ANG SAND 1-2% ANG-SUBANG PEBBLES TO 5mm STRONG CARB. RX - CALICHE COATING, LIGHT COLOR.
			24	22	G	12			21			
									22			
									23			
									24			
									25			25.6' SILTY GRAVEL (GM) GRAY-WHITE 10YR 7/2 DRY, MED DENSE MOD EST IK, ANG. GRAVEL TO 7mm ϕ, 15% SILT, 10-20% VFG-MG ANG SAND.
KAFB-SS246-02-25/27			24	21	G	2-18	SVOC, GRO VOC, GRO METALS, Hg, PM, MOIST	GVLP SILT	26			
									27			26.9' CLAYEY SILT (ML) RED BROWN (7.5YR 4/6) WET, MED STIFF LOW EST IK, 20-25% CLAY, CALICHE NOD. TO 2mm RARE
									28			
									29			
									30			

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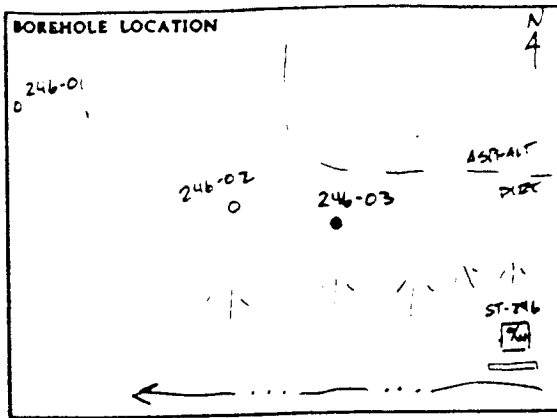
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: SP-246-03
	Job No: 2A56
Logged By: J. Pavletich	Edited By: JP
Project Manager: K. Walker	Drill Rig: Geoprobe
Drilling Contractor: B & RE	
Driller/Helper: B. Wolfe / M. CHRISTIAN	
Drilling Method: Geoprobe Construction Method Code = (V)(driven), HA = Hand Augered	
Sample Method: LARGE BORE SAMPLER	
Hammer Weight/Drop: NA	Borehole Diameter: 1.375"
Started, Time: 1020	Date: 03-28-94
Completed, Time: 1125	Date: 03-28-94

Notes: ONLY THE PID USED TO SCREEN THIS BORE HOLE

Water Depth							
Boring/Casing Depth							
Time							
Date							

Total Depth: 17 FT | Casing Depth:

Screened Interval:

Sand Pack, #3: #0:

Well Development Method:

Time: Date: Flow Rate:

Geophysical Logs, Type:

By: Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/PID Reading	Analyses		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
									SM					SURFACE SILTY SAND (SM) BROWN (7.5YR 5/4) MOIST V. LOOSE
											1			MOD SRT IK. VFG-FG. ANG. SAND 15% SILT 2-3% MG-CG
														ANG SAND. RARE, SCATTERED PEBBLES TO 15mm Ø
											2			
											3			
									SM				?	
											4		?	
													? — 3.5'	SILTY SAND (SM) RED BROWN (7.5R 5/6) MOIST, LOOSE
			12	6	G	ND					5			MOD SRT IK. VFG-FG ANG. SAND 15% SILT 2-5% S ANG-ANG
														MG-CG SAND. OCCAS. SCATTERED PEBBLES TO 5mm Ø
											6			@ 5.75' HEAVILY CALICHE STAINED.
											7			
											8			
											9		?	
									SM				?	
											10			

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56 | Borehole/Well No.: ST-246-03

Notes:

Sample ID	Sampler Type	Blows / 6 inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/PID	Analysis		Laboratory Code		Depth (ft)	Recovery	Contact
KAFB-ST246-03 12/14			24	15	G						11		
						ND	SVOC	DRO			12		
							VOC	GRO					
			24	12	G						13		
							METALS, Hg, PB	MOIST		SOIL SAMPLE	14		
KAFB-ST246-03 15/17			24	21	VG	ND	SVOC	DRO			16		
							VOC	GRO			17		
							METALS, Hg, PB	MOIST					

0-11' SILTY SAND (SM) BROWN (7.5YR 4/6) MOIST, MED DENSE MOD. EST IK VFG-FG ANG. SANDS 15-20% SILT. 1% MG-CG SAND. WEATHERED BIOTITE COMMON (<1mm & FLAKES) CALICHE STAINED AT 10.0'

@ 14' SAND (SW) BROWN (7.5YR 4/6) MOIST. MED. DENSE, LOW-MOD. EST IK VFG-FG ANG. SANDS 5-10% SILT, ~1% WEATHERED BIOTITE

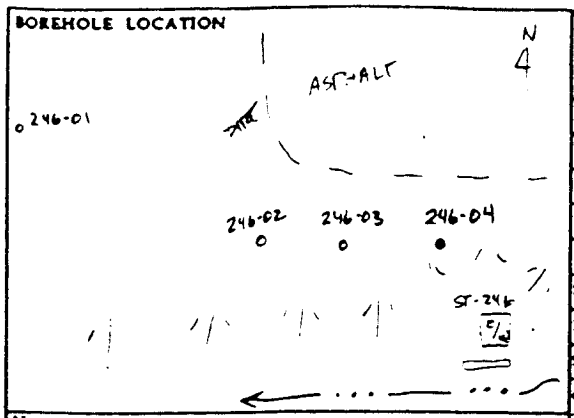
@ 17' CLAYEY SILT (ML) RED BROWN (7.5YR 4/4) MOIST, MED STIFF LOW EST IK 20-25% SILT.

PROFESSIONAL GEOLOGIST
JOSEPH P. PAVLETICH
PG-1990
WYOMING

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: ST-246-04
	Job No: 2A56
Logged By: J. Pavletich	Edited By: JP
Project Manager: K. Walker	Drill Rig: Geoprobe
Drilling Contractor: B & RE	
Driller/Helper: B. Wolfe / M. CHRISTIAN	
Drilling Method: Geoprobe Construction Method Code = V (driven), HA = Hand Augered	
Sample Method: 2" BORE SAMPLER	
Hammer Weight/Drop: NA	Borehole Diameter: 1.375"
Started, Time: 1133	Date: 03-28-94
Completed, Time: 1245	Date: 03-28-94

Notes: ONLY THE PID USED TO SCREEN THIS BORE HOLE

Water Depth						
Boring/Casing Depth						
Time						
Date						

Total Depth: 19 ft | Casing Depth:

Screened Interval:

Sand Pack, #3: #0:

Well Development Method:

Time: Date: Flow Rate:

Geophysical Logs, Type:

By: Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / ROD	FINe/PID Reading	Analyses		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
									SM					SURFACE SILTY SAND (SM) BROWN (7.5YR 5/4) MOIST, V. LOOSE-LOOSE
											1			MOD SRT LK. VFG-FG ANG. SAND. 15% SILT 3-5% MG-CG SAND
														RARE SAND. & END PEBBLES TO 15mm ϕ
											2			
											3			
									SM		4			
														SILTY SAND (SM) WHITE-BROWN (7.5YR 5/3) DRY, LOOSE.
			12	6	F	ND	-				5	X		LOW SRT LK. VFG-FG ANG. SAND. 15-20% SILT 2-5% MG-CG SAND.
														DOES SEEM PEBBLES TO 10mm ϕ. ABUNDANT CALICHE BLEBS/NODULES
											6			TO 5mm ϕ
											7			
											8			
											9			
											10			

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56 | Borehole/Well No.: SF-246-04

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recv'd	Sample Cond.	HNu/PID	Analysis		Lithology Code	(USCS)	Depth (ft)	Recovery	Contact
			24	12	G	ND	SVOC	DRO			11		
KAFB-SF246-04-1014 KAFB-SF246-04-1014							SVOC	DRO	IR				
							METALS	Hg, PH,	MOIST		12		
			24	22	G	ND	METALS	Hg PH	MOIST-	IR			
							VOC	GRO			13		
							VOC	GRO	IR				
											14		
											15		
KAFB-SF246-04-1518 KAFB-SF246-04-1518 MS/MSD			24	22	VG		SVOC	DRO			16		
						0.2	SVOC	DRO	MG/KG				
							METALS	Hg PH	MOIST		17		
			24										
							METALS	Hg PH	MOIST-	MG/KG	18		
							VOC,	GRO	- MG/KG				
							VOC	GRO	MG/KG		19		
											20		
											1		
											2		
											3		
											4		
											5		
											6		
											7		
											8		
											9		
											0		

@ 11' SAME AS AT 5'

@ 12' CLAYEY SILT (ML) BROWN (7.5YR 3/4) MOIST, LOOSE FIR 20-25% CLAY, DOCKS WEATHERED BIOTITE, CALICHE PATCHES TO 10mm ϕ.

@ 12.25' SILTY SAND (SM) LT BROWN (7.5YR 5/4) MOIST, MOD. SRT FIR. VFG-FG. ANG. SAND. 15-20% SAT. 2-3% MG-CG SAND. ROOT RMD PEBBLES TO 15mm ϕ

@ 14' SILTY SAND (SM) Yellow Brown (5YR 5/6) MOIST MOD SRT FIR VFG-FG ANG SAND 15% SAT WEATHERED BIOTITE COMMON

@ 17' SILTY SAND (SM) YELLOW BROWN (5YR 5/6) MOIST MOD SRT FIR, FG. ANG SAND. 20% SAT. 1-2% MG-CG SAND

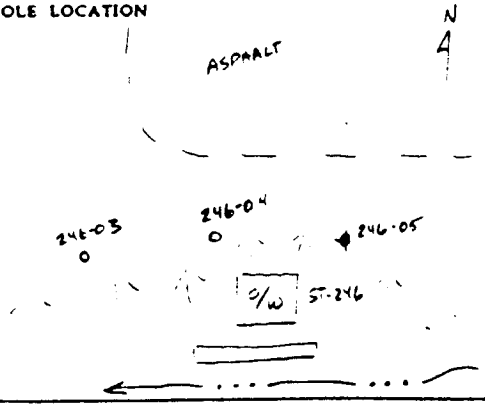
@ 19' HEAVILY CALICHE STAINED

PROFESSIONAL GEOLOGIST JOSEPH P. FAVLETICH PG-1990 WYOMING

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: SS-246-05
	Job No: 2A56
Logged By: J. Pavletich	Edited By: JP
Project Manager: K. Walter	Drill Rig: Geoprobe
Drilling Contractor: BCC	
Driller/Helper: B. Wolfe / M. CHRISTIAN	
Drilling Method: Geoprobe Construction Method Code: (V (driven), HA = Hand Augered	
Sample Method: LATEX BORE SAMPLER	
Hammer Weight/Drop: NA	Borehole Diameter: 1.375"
Started, Time: 1240	Date: 03-28-94
Completed, Time: 1326	Date: 03-28-94

Notes: ONLY THE TOP USED TO SCREEN THIS BORE HOLE

Water Depth						
Boring/Casing Depth						
Time						
Date						

Total Depth: 17 Ft | Casing Depth:

Screened Interval:

Sand Pack, #3: #0:

Well Development Method:

Time: Date: Flow Rate:

Geophysical Logs, Type:

By: Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/PID Reading	Analyses		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact
									SP/SM		0		
											1		
											2		
											3		
									SM		4		
											5		
			18	6	F	ND					6		
											7		
											8		
											9		
									SM		10		

LITHOLOGIC DESCRIPTIONS

SURFACE
SILTY SAND (SM) BROWN (7.5YR 5/4) MOIST, V. LOOSE - LOOSE
MOD EST 1K, VFG-FG. ANG. SAND 15-20% SILT 2-5% MG CG SAND

@ 6' SILTY SAND (SM) BROWN (7.5YR 5/4) MOIST. LOOSE. LOW EST
1K VFG-FG. ANG. SAND. 15% SILT 2-5% MG-CG SAND OCCAS
SMALL PEBBLES TO 7mm.
@ 6.5 - HEAVILY STAINED W/ CALICHE & BLACK (MAD DUE
HYDROCARBON RESIDUE?)

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56 | Borehole/Well No.: SF-246-05

Notes:

Sample ID	Sampler Type	Blows / 6 inch	Inches Driven	Inches Recv'd	Sample Cond.	HNu/FID	Analysis		Lithology Code	Depth (ft)	Recovery	Contact
KAFB-SF246-05-10\2			24	22	VG	ND	SVOC	TCLP				
							VOC	TCLP				
							METALS, Hg, CN, MOIST					
									SDIF-KDFN			
KAFB-SF246-05-15\2			24	22	VG	ND	SVOC	TCLP				
							VOC	TCLP				
							METALS, Hg, CN, MOIST					

11 — SILTY SAND (SM) BROWN (7.5YR 4/6) MOIST. MOD. DENSE. MOD. EFF. IK. VFG ANG. SAND. 15% SLT. 1-2% FG-CG SAND, MINOR CALICHE CLASTS.

15 — SAND (SW) YELLOW BROWN (7.5YR 4/6) MOIST. MOD. DENSE. MOD. EFF. IK. VFG-FG. ANG. SAND. 5-10% SLT. OCCAS. CALICHE BLEBS TO 2 mm ϕ.

TD

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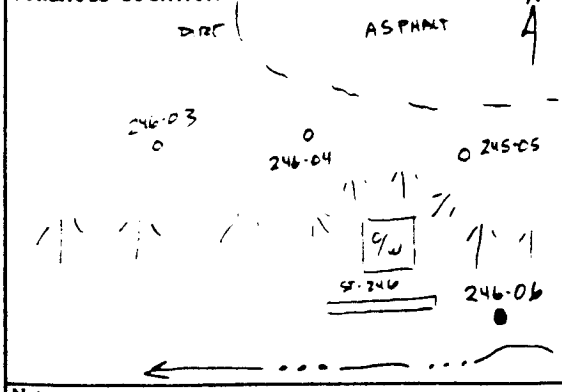
WYOMING

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: S-246-06
	Job No: 2A56
Logged By: J. Pavletich	Edited By: JP
Project Manager: K. Walker	Drill Rig: Geoprobe
Drilling Contractor: BRE	
Driller/Helper: B. Wolfe / M CHRISTIAN	
Drilling Method: Geoprobe Construction Method Code: V (driven), HA = Hand Augered	
Sample Method: LARGE BORE SAMPLER	
Hammer Weight/Drop: NA	Borehole Diameter: 1.375"
Started, Time: 1330	Date: 03-28-94
Completed, Time: 1420	Date: 03-28-94

Notes: ONLY THE PID (HNU) USED TO SCREEN THIS BOREHOLE

Water Depth							
Boring/Casing Depth							
Time							
Date							

Total Depth: 17 FT | Casing Depth:

Screened Interval:

Sand Pack, #3: #0:

Well Development Method:

Time: Date: Flow Rate:

Geophysical Logs, Type:

By: Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/PID Reading	Analyses		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
									SOIL					SOFFICE SILTY SAND (SM) BROWN (7.5YR 5/4) DRY V. LOOSE - LOOSE
											1			LOW-MED PLAST. FINES VFG-FG ANG. SAND 15% SILT 2-5% MG-CG
														ANG SAND, STRONG CARBONATE REACTION
											2			
											3			
											4		?	
													?	SILTY SAND (SM) BROWN (7.5YR 4/6) MOIST. LOOSE, LOW PLAST. FINES
			18	12	4						5			VFG. ANG. SAND. 25-30% SILT 2-5% MG-CG ANG SAND. CALICHE
														STRINGERS 1mm x 3mm long, AT 5.75-6'
											6			
											7			
											8			
											9			
											10			

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56

Borehole/Well No.: SF-246-06

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recvd	Sample Cond.	HNu/OVA	Analysis		Lithology Code		Depth (ft)	Recovery	Contact
KAFB-SF246-06-1012			24	22	G	ND	SVOC, VOC, Metals	TPH, GRO, Hg pH	MOIST.	SOIL	11		?
											12		
											13		
											14		?
KAFB-SF246-06-1517			24	22	G	ND	SVOC, VOC, Metals	TPH, GRO, Hg pH	MOIST.		15		?
											16		
											17		TD.
											18		
											19		
											0		
											1		
											2		
											3		
											4		
											5		
											6		
											7		
											8		
											9		
											0		

SILTY SAND (SM) BROWN (7.5YR 4/4) MOIST, MED DENSE. LOW EST IC VFG-FG ANG SAND 15% SILT, WEATHERED BIOTITE COMMON

SILTY SAND (SM) BROWN (7.5YR 5/6) MOIST MED. DENSE, LOW EST IC, VFG-FG ANG SAND. 15% SILT. SUBANG-SUBRND PEBBLES TO 5mm & COMMON.

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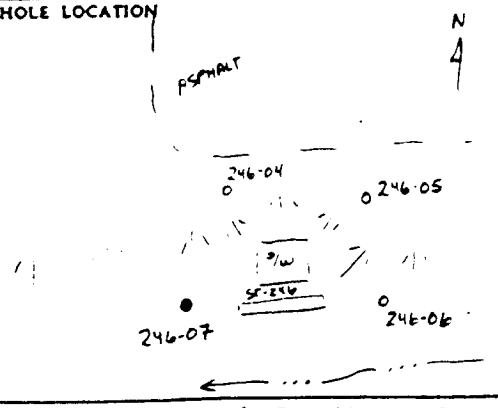
PG-1990
WYOMING

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: SS-246-07
	Job No: 2A56
Logged By: J. Pavletich	Edited By: JP
Project Manager: K. Walter	Drill Rig: Geoprobe
Drilling Contractor: B & RE	
Driller/Helper: B. Wolfe / M. CHRISTIAN	
Drilling Method: Geoprobe Construction Method Code = V (driven), HA = Hand Augered	
Sample Method: LARGE-BORE SAMPLER	
Hammer Weight/Drop: NA	Borehole Diameter:
Started, Time: 1415	Date: 03-28-94
Completed, Time: 1510	Date: 03-28-94

Notes: ONLY THE PID USED TO SCREEN THIS BOREHOLE.

Water Depth						
Boring/Casing Depth						
Time						
Date						

Sample ID	Sampler Type / depth	Blows / 6 inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/PID Reading	Analyses		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact
									SP/SM				
									SM		4		?
		18	12	4							5		
									SP/SM		6		
									SM		8		?
											10		

Total Depth: 17 Ft | Casing Depth:

Screened Interval:

Sand Pack, #3: #0:

Well Development Method:

Time: Date: Flow Rate:

Geophysical Logs, Type:

By: Date:

LITHOLOGIC DESCRIPTIONS

SURFACE
SAND (SW) BROWN (7.5YR 5/6) MOIST, LOOSE, MOD EST IK.
VFG-FG ANG. SAND 5-10% SILT, 2-5% MG-CG SAND

SILTY SAND (SM) BROWN (10YR 5/4) MOIST, MED. DENSE.
LOW-MOD EST IK. VFG-FG ANG. SAND. 15-20% SILT, 5-10%
MG-CG ANG. SAND. CALCHE NOD. & PATCHES COMMON.

SAND (SW) BROWN (7.5Y 5/4) MOIST, LOOSE. MOD. EST IK.
ANG. FG-CG SAND. 5-10% SILT 1-2% SUBROUND PEBBLES TO
6mm Ø

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2AS6

Borehole / Well No.: ST-246-07

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Record'd	Sample Cond.	HNu/PID	Analysis		Lithology Code	(PPM)	Depth (ft)	Recovery	Contact	Description
KAFB-ST246-07 1012			24	22	6	ND	SVOC	DRO					?	? SILTY SAND (SM) BROWN (7.5YR4/6) MOIST, MED. DENSE,
							VOC	GRO			11			LOW-MOD EST IK. VFG-FG SAND, 20-30% SILT, 2-3% MG-CG SAND.
							METALS	Hg pH	MOIST.					CALICHE [illegible] TO 2mm Ø COMMON
											12			
											13		?	
											14		?	
											15		?	? SILTY SAND (SM) TAN-BROWN (7.5YR 6/4) MOIST, MED DENSE.
KAFB-ST246-07 1517			24	22	6	ND								LOW-MOD EST IK. VFG-FG SAND 15-25% SILT 1% MG-CG SAND
							SVOC	DRO			16			
							VOC	GRO						
							METALS	Hg pH	MOIST		17		TD	
											8			
											9			
											0			
											1			
											2			
											3			
											4			
											5			
											6			
											7			
											8			
											9			
											0			

PROFESSIONAL GEOLOGIST
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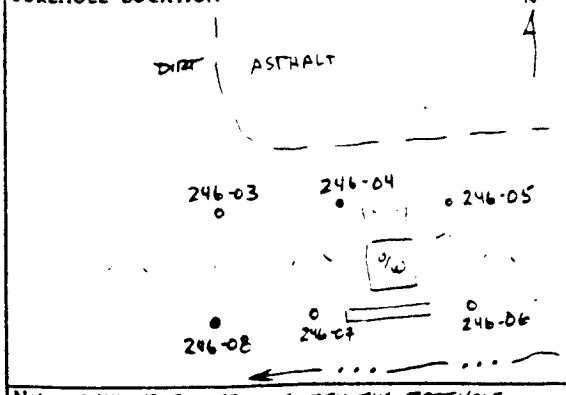
Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: SS-246-08
	Job No: 2A56
Logged By: J. Pavlotich	Edited By: JP
Project Manager: K. Walter	Drill Rig: Geoprobe
Drilling Contractor: BRE	
Driller/Helper: B. Wolfe / M. CHRISTIAN	
Drilling Method: Geoprobe Construction Method Code = V (driven), HA = Hand Augered	
Sample Method: LARGE-BORE SAMPLER	
Hammer Weight/Drop: NA	Borehole Diameter: 1.375"
Started, Time: 1510	Date: 03-28-94
Completed, Time: 1647	Date: 03-28-94

Notes: ONLY THE PID USED TO SCREEN THIS BOREHOLE
- HIT WATER AT 5-6 FT. MOVED AHEAD 1 FOOT AND WENT TO 10 FT. TO COLLECT SAMPLES

Water Depth							
Boring/Casing Depth							
Time							
Date							

Total Depth: 17 FT | Casing Depth:
Screened Interval:
Sand Pack, #3: #0:
Well Development Method:
Time: Date: Flow Rate:
Geophysical Logs Type:
By: Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/PID Reading	Analyses		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
									SOIL					SURFACE SILTY SAND (SM) TAN (7.5YR 5/4) MOIST. LOOSE, MED EST. IK, VFG-FG ANG. SAND. 15-25% SILT 2-5% MG-CG SAND. OCCAS. SMALL PEBBLES TO 8mm ϕ
											1			
											2			
											3			
											4			
											5			
			12	2	P				SOIL					SAND (SW) WHITE (5YR 7/1) MOIST, LOOSE, MED EST IK FG-MG ANG. SAND. 5-10% SILT 5-10% VFG. 5-10% CG SAND. 2-3% SMALL PEBBLES TO 8mm
									SOIL		6			
											7			
											8			
											9			
											10			

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56

Borehole/Well No.: SS-246-08

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recovd	Sample Cond.	HNu/PID	Analysis		Lithology Code		Depth (ft)	Recovery	Contact	
KAFB-SS246-08 10L2			24	22	G	ND	SVOC	DRO			11		?	SILTY SAND (SM) BROWN (5YR 4/6) MED DENSE. LOW-MOD. EST IR. VFG ANG. SAND. 20-30% SILT FEW FG-MG.
							VOC	GRO						
							METALS	Hg PH	MOIST.	SILT	12			SILT (ML) BROWN (5YR 4/6) SOFT - MED STIFF LOW EST. IR. <5% VFG SAND.
										SILT	13		?	
											14		?	
											15		?	
KAFB-SS246-08 15L2			24	21	G	ND	SVOC	DRO			16		?	SILTY SAND (ML) BROWN (7.5YR 4/6) MED DENSE LOW-MOD EST IR. VFG ANG. SAND. 20-30% SILT SCATTERED PEBBLES TO 16mm ϕ
							VOC	GRO						
							METALS	Hg PH	MOIST.		17		TD	
											18			
											19			
											20			
											1			
											2			
											3			
											4			
											5			
											6			
											7			
											8			
											9			
											0			

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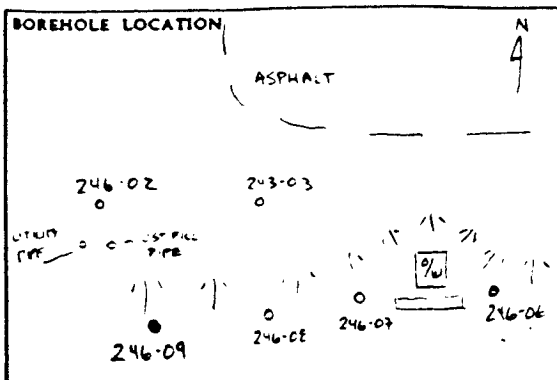
WYOMING

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: SS 246-09
	Job No: 2A56
Logged By: J. Pavlotich	Edited By: JP
Project Manager: K. Walker	Drill Rig: Geoprobe
Drilling Contractor: B & R E	
Driller/Helper: B. Wolfe / M. CHRISTIAN	
Drilling Method: Geoprobe Construction Method Code - (V)driven), HA = Hand Augered	
Sample Method: LARGE BORE SAMPLER	
Hammer Weight/Drop: N A	Borehole Diameter:
Started, Time: 1650	Date: 03-28-94
Completed, Time: 1820	Date: 03-28-94

Notes: ONLY THE PID USED TO SCREEN THIS BOREHOLE.

Water Depth						
Boring/Casing Depth						
Time						
Date						

Total Depth: 19 FT	Casing Depth:
Screened Interval:	
Sand Pack, #3:	#0:
Well Development Method:	
Time: Date:	Flow Rate:
Geophysical Logs, Type:	
By:	Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/PID Reading	Analyses		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
									SOIL					SOURCE
														SILTY SAND (SM) BROWN (7.5YR 5/6) MOIST, MED DENSE.
											1			LOW-MOD EST IK. VFG-FG ANG. SAND. 15-20% SILT. 2-5% MG-CG SAND. RARE RND PEBBLES TO 20mm ϕ
											2			
											3			
											4			
			10	6	6	ND			SOIL		5			? SAND ? (SM) BROWN (7.5YR 5/6) MOIST, MED DENSE
									SOIL		6			MOD EST IK. FG-MG ANG SANDS. 5-10% SILT, 10-15% VFG. 2-5% CG. OCC 5-8mm PEBBLES TO 5mm
									SOIL		7			SILTY SAND (SM) BROWN (7.5YR 5/6) MOIST MED. DENSE.
											8			LOW-MOD EST IK VFG ANG. SAND 20% SILT.
											9			
											10			

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56 | Borehole/Well No.: ST-246-09

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/PID	Analysis		Laboratory Code	(cont.)	Depth (ft)	Recovery	Contact
KAFB-ST246-09 10/12			24	22	G	HP	SVOC	DRO			11		?
							VOC	GRO					
							METALS, Hg		PA MOIST		12		
			24	15	G					SDMD			
										STM	13		
											14		
			24	22	G	ND	SVOC	DRO			15		
KAFB-ST246-09-1519 KAFB-ST246-09-1519							SVOC	DRO	R		16		
							METALS	Hg FH	MOIST				
			24								17		
						ND	METALS	Hg FH	MOIST-R		18		
KAFB KAFB							VOC	GRO					
							VOC	GRO	R		19		T.D.
											20		
											1		
											2		
											3		
											4		
											5		
											6		
											7		
											8		
											9		
											0		

SILTY SAND (SM) BROWN (7.5YR 4/4) MOIST MED DENSE LOW PLST IR VFN SAND. 20-30% SILT 5-10% FN-MG.

SAND (SW) GRAY BROWN (7.5YR 7/1) MOIST, MED. DENSE, MOD EST IR MG ANGS SAND. 5-10% SILT 5-10% VFN. 5-10% CG + 1% PEBBLES TO 5mm.

SILTY SAND (SM) YELLOW BROWN (10YR 6/6) MOIST MED. DENSE. LOW PLST IR VFN SAND. 20-25% SILT, 5-10% FN-MG. RARE SUB RND PEBBLES TO 5mm.

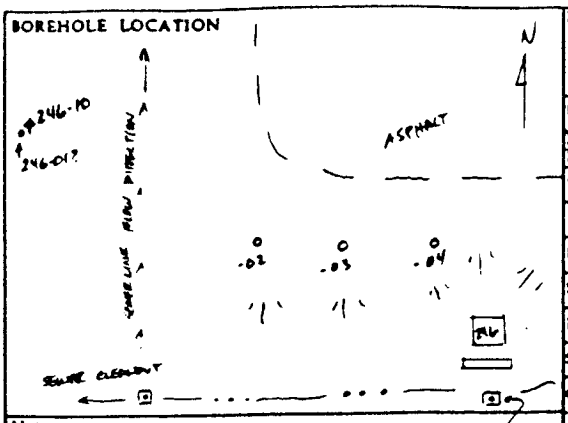
@ 19' COLOR CHANGE TO. WHITE/GRAY (7.5YR 7/1) DUE TO HEAVY CALCITE STAINING

PROFESSIONAL GEOLOGIST JOSEPH P. PAVLETICH PG-1930 WYOMING

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: ST246-10
	Job No: 2A56
Logged By: J. Pavlotich	Edited By: JP
Project Manager: K. Walter	Drill Rig: Geoprobe
Drilling Contractor: BOE	
Driller/Helper: B. Wolfe	
Drilling Method: Geoprobe Construction Method Code = V (driven), HA = Hand Augered	
Sample Method: LARGE-BORE SAMPLER	
Hammer Weight/Drop: N-A	Borehole Diameter: 1.375"
Started, Time: 1410	Date: 7-7-94
Completed, Time: 1500	Date: 7-7-94

Notes: THIS BORING LOCATED IN THE APPROXIMATE AREA OF BORING 246-01 TO COLLECT VOC SAMPLES. MONUMENT FOR 246-01 WAS DESTROYED BY SEWER LINE CONSTRUCTION ACTIVITIES

SEWER CLEANOUT

HNu/PID	0/15					
β-γ (cpm)	60-80					
Time	1410					
Date	7-7-94					

BACKGROUND = 9.0/HR

Total Depth: 17 FT	Casing Depth:
Screened Interval:	
Sand Pack, #3:	#0:
Well Development Method:	
Time: Date:	Flow Rate:
Geophysical Logs, Type:	
By:	Date:

Sample ID	Sampler Type / depth	Blows / 6 inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/PID Reading	Analyses		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact
									SM				
											1		
											2		
											3		
									SM/SW		4		
			12	8	G	0/15 (BKG) 0-0-0-0					5		
											6		
											7		
											8		
											9		
											10		

LITHOLOGIC DESCRIPTIONS

NOTE: THIS AREA DISTURBED BY EXCAVATION & GRADING ACTIVITIES ASSOCIATED WITH INSTALLATION OF THE SEWAGE LINE.

SILTY SAND (SM) LIGHT BROWN (7.5YR 6/4) DRY, LOOSE, MOD. SEL. IL, VFG-FG SUBANG SAND, 10-15% SILT, 2-3% MG, <1% CG, OCCAS. SUBANG-SUBRND PEBBLES TO 25mm Φ ON SURFACE

4'? SAND (SW) SLIGHTLY BROWN (7.5YR 5/6) MOIST, MED DENSE MOD. SEL. IL, VFG-FG SUBANG. SAND. 5% NT. 2-3% MG. 1% CG. OCCAS. SUBRND PEBBLES TO 4mm Φ.

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56

Borehole/Well No.: ST246-10

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/PID	Analysis	Lithology Code	Depth (ft)
KAFB-ST246-10-1012			24	14	6	0/16 (bkg)	VOC	SM	11–12
								SP/SM	14–15
KAFB-ST246-10-1517			24	22	6	0/16	VOC	SC / SM / SCL	15–17

17 TD.

@ 11 FT; CALICHE PATCH >15 mm Ø, OTHERWISE SAME AS AT 6 FT

11.25 SILTY SAND (SM) STRONG BROWN (7.5YR 5/6) MOIST, MED. DENSE LOW EST. K. VFG SUBANG. SAND. 10-15% SILT. 10% FG. CALICHE PATCHES TO 7-8 mm Ø @ 12 FT.

14'? SAND (SP) STRONG BROWN (7.5YR 5/6) MOIST, MED. DENSE LOW-MOD. EST. K. VFG-FG SUBANG SAND. 5% SILT. 1-2% MG. 1% CG

— — GRADATIONAL CONTACT

15.6 CLAYEY SAND (SC) STRONG BROWN (7.5YR 5/6) MOIST, MED DENSE LOW EST. K. VFG SUBANG. SAND. 20-30% CLAY.

— — GRADATIONAL CONTACT

15.9 SILTY SAND (SM) STRONG BROWN (7.5YR 5/6) MOIST, MED DENSE MOD EST. K. VFG SUBANG SAND 5-10% CLAY, 10-20% SILT. 1-2% MG.

16.75 SILTY CLAY (ML) STRONG BROWN (7.5YR 4/6) MOIST, MED. STIFF V. LOW EST. K, 15-20% SILT. 2-3% VFG, VEINLETS OF WHITE (CALICHE OR WEATHERED [illegible] MATERIAL) ABOUT 0.1 mm WIDE AND 2-3 mm LONG. ORIENTED MAINLY HORIZONTAL, SOME HAVE VERTICAL EXTENT

PROFESSIONAL GEOLOGIST
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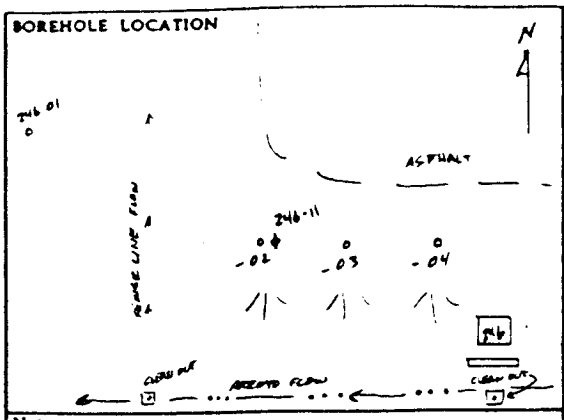
PG-990
WYOMING

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: ST246-11
	Job No: 2A56
Logged By: J. Pavletich	Edited By: JP
Project Manager: K. Walter	Drill Rig: Geoprobe
Drilling Contractor: BRE	
Driller/Helper: B. Wolfe	
Drilling Method: Geoprobe Construction Method Code: V (driven), HA = Hand Augered	
Sample Method: LARGE-BORE SAMPLER	
Hammer Weight/Drop: N.A.	Borehole Diameter: 1.875"
Started, Time: 1230	Date: 7-7-99
Completed, Time: 1430	Date: 7-7-99

Notes: THIS BORING ADJACENT TO BORING ST246-02 TO COLLECT VOC SAMPLES ONLY

BACKGROUND 7.9 eR/HR

HNu/PID	0/0.5					
β-γ (cpm)	80700					
Time	1230					
Date	7-7-99					

Total Depth: 27FT Casing Depth:

Screened Interval:

Sand Pack, #3: #0:

Well Development Method:

Time: Date: Flow Rate:

Geophysical Logs, Type:

By: Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/PID Reading	Analyses		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
									SDY-SCH					SURFACE SAND (SM) LIGHT BROWN (7.5YR 6/4) DRY, LOOSE, MOD
											1			EST 1%. VFG-FG SUBANG. SAND> 5% SILT 1-2% MG, 12<A
														ELSE-SUBROD> PEBBLES TO 20mm Φ ON SURFACE
											2			
											3			
											4		?	-->
									SDSL					4'? SILTY SAND (SM) YELLOWISH BROWN (10YR 5/4) MOIST, MED. DENSE,
											5			LOW-MOD. EST. 1% VFG SUBANG. SAND. 10-20% SILT. 10-15% FG. 1-2% MG.
			12	7	6	0/9 (6cm) 95.40 7-9								RARE SUBROD PEBBLES TO 7mm Φ. OCCAS. CALICHE FRAGMENTS/
											6			NODULES TO 5 mm Φ
											7			
											8			
											9			
									SM					
											10			

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No. KAFB 2B 2A56 | Borehole / Well No. SS246-11

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recvd	Sample Cond.	HNu/PID	Analysis	Lithology Code	Depth (ft)	Recovery	Contact
KAFB-SS246-11-10/12			24	22	F	0/1.5 (BKG) KEY=0.05-100 2.9	VOC	SOX	11		
KAFB-SS246-11-15/17			24	20	F	0/11 (BKG) KEY=0.05-100 2-10	VOC	SOX / SOCL / SOCL / SOCL / SOH	12 13 14 15 16 17 18 19		
			12	9	F	0/12 (BKG) KEY=0.05-100 2-8			20 21 22 23		
KAFB-SS246-11-23/24			24	9	4	0/13 (BKG) KEY=0.05-100 1-2	VOC	SOHF SOFN / CLAY	24 25 26 27		

11' SILTY SAND (SM) STRONG BROWN (7.5YR 4/6) MOIST, MED. DENSE. LOW-MOD. EST. IK. VFG SUBANG. SAND 5-10% CLAY, 15-20% SILT. WEATHERED BIOTITE COMMON. CALICHE STAINED PEBBLES TO 15mm Ø COMMON AT 10.5-11 FT

11.75 SILTY SAND (SM) DARK YELLOWISH BROWN (10YR 4/6) MOIST, MED. DENSE, LOW EST. IK VFG-FG SUBANG SAND. 5% CLAY, 10-20% SILT. <1% MG. OCCAS. CALICHE PATCHES TO 12mm Ø

14' CLAYEY SAND (SC) STRONG BROWN (7.5YR 4/6) MOIST, MED. DENSE. LOW EST. IK VFG SUBANG. SAND. 15-20% CLAY, 10-20% SILT

15.75 SILTY CLAY (ML) STRONG BROWN (7.5YR 4/6) MOIST, MED. STIFF. V. LOW EST. IK. 15-20% SILT. VEINLETS OF WHITE (CALICHE?) ABOUT 0.1mm WIDE & 2-5mm LONG. ARRANGED MAINLY HORIZONTAL BUT SOME HAVE VERTICAL EXTENT

16.75 CLAYEY SAND (SC) STRONG BROWN (7.5YR 5/6) MOIST. MED. DENSE. LOW EST. IK. VFG-FG SUBANG SAND. 15-20% CLAY, 15-20% SILT. 1% MG.

19' SILTY SAND (SM) STRONG BROWN (7.5YR 5/6) MOIST. MED DENSE. LOW-MOD. EST. IK, VFG-FG SUBANG SAND. 5-10% CLAY, 15-20% SILT STAINED W/ CALICHE 20.75 - 20.75 FT.

24'? SANDY (SM) STRONG BROWN (7.5YR 4/6) DAMP, SOME-MED. DENSE. MOD-HIGH EST IK, VFG-FG SUBANG SAND. 5% EST. ABUNDANT WEATHERED BIOTITE

26.75 CLAY (ML) STRONG BROWN (7.5YR 4/6) DAMP-WET, MED. STIFF. V. LOW EST. IK. <5% SILT.

PROFESSIONAL GEOLOGIST
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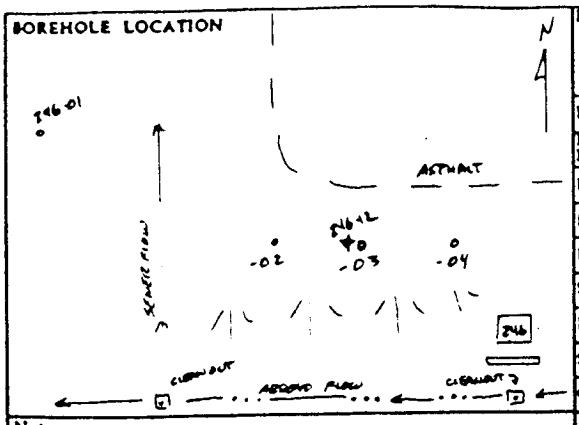
PG-1990
WYOMING

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: SB46-12
	Job No: 2A56
Logged By: J. Pavlotich	Edited By: JP
Project Manager: K. Walter	Drill Rig: Geoprobe
Drilling Contractor: BIE	
Driller/Helper: B. Wolfe	
Drilling Method: Geoprobe Construction Method Code = D (driven), HA = Hand Augered	
Sample Method: LARGE-BORE SAMPLER	
Hammer Weight/Drop: N.A.	Borehole Diameter: 1.375"
Started, Time: 1045	Date: 7-7-94
Completed, Time: 1135	Date: 7-7-94

Notes: THIS BORING LOCATED APPROXIMATELY 10 DOWNGRADIENT TO BURNING STANDARD TO RECOMPUTE FOR VOCs.

BACKGROUND: 10.6'

HNu/FID	0/5.5					
β-γ (cpm)	40-60					
Time	1046					
Date	7-7-94					

Total Depth: 17 FT	Casing Depth:
Screened Interval:	
Sand Pack, #3:	#0:
Well Development Method:	
Time: Date:	Flow Rate:
Geophysical Logs, Type:	
By:	Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
									SDIF-SDFN		0			SURFACE SAND (SW) LIGHT BROWN (7.5YR 6/4) DRY, LOOSE, MOD SORT. 1% VFG-FG SUBANG SAND. 5% SILT, 1-2% MG, 1% CG, TRACE - SUBROUND PEBBLES TO 20 mm Ø ON SURFACE.
											1			
											2			
											3			
									SYF		4		?	4'? SILTY SAND (SM) STRONG BROWN (7.5YR 4/6) MOIST, MOD. DENSE, MOD. SORT. 1% VFG-FG SUBANG SAND. 10-15% SILT 2-5% MG, 1% CG OCCAS. SUBANG PEBBLES TO 3mm Ø
		12	5	4		0/6 (5mm) SB46-12-5FT					5			
											6			
											7			
											8			
											9		?	
									SDCL		10			

Project / Job No.: KAFB 2B 2A56

Borehole / Well No.: SS246-12

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/FID	Analysis		Lithology Code		Depth (ft)	Recovery	Contact
KAFB-SS246-12 10/12			24	22	4	0/6 (BKG) BY=BG/10 Y=10	VOC		SC / SM		10–12		
									CLAY		13–14		
KAFB-SS246-12 15/17			24			0/6 (BKG) BY-BG-10 Y-10	VOC		SCL / SM		15–17		T.D.

Depth (ft) scale: 11, 12, 3, 14, 15, 16, 17, 18, 9, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 0

9.? CLAYEY SAND (SC) STRONG BROWN (7.5YR 5/6) MOIST MED DENSE. LOW EST. IK VFG SUBANG. SAND. 10-20% CLAY, 20-25% SILT 10-20% FG.

11.75 SILTY SAND (SM) STRONG BROWN (7.5YR 4/6) MOIST. MED DENSE MED EST. IK. VFG-FG SUBANG. SAND. 10-15% SILT 2-3% MG. ABUNDANT. WEATHERED BIOTITE

14 SANDY CLAY (CL) STRONG BROWN (7.5YR 4/6) MOIST. STIFF, LOW EST IK 10-20% VFG SUBANG SAND. 10-20% SILT.

15.0' SILTY CLAY (ML) STRONG BROWN (7.5YR 4/6) MOIST. STIFF, LOW EST. IK. 20-30% SILT.

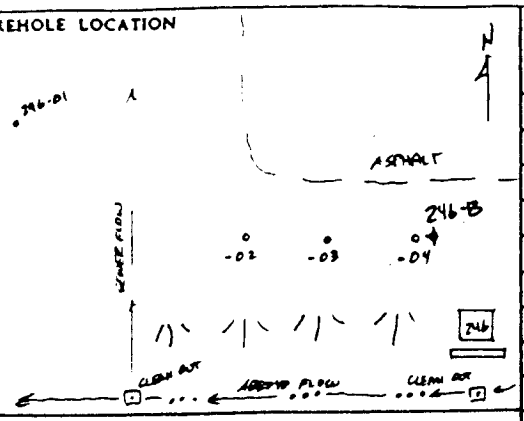
16.75' SILTY SAND (SM) STRONG BROWN (7.5YR 4/6) MOIST MED DENSE. LOW-MOD. EST. IK. VFG SUBANG SAND 5% CLAY, 15-20% SILT WEATHERED BIOTITE COMMON.

PROFESSIONAL GEOLOGIST
JOSEPH P. PAVLETICH
PG-1990
WYOMING

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: SB246-12
	Job No: 2A56
Logged By: J Pavletich	Edited By: JP
Project Manager: K. Walter	Drill Rig: Geoprobe
Drilling Contractor: BLE	
Driller/Helper: B. Wolfe	
Drilling Method: Geoprobe Construction Method Code: (V (driven), HA = Hand Augered	
Sample Method: LARGE BORE SAMPLER	
Hammer Weight/Drop: N.A	Borehole Diameter: 1.375"
Started, Time: 0915	Date: 7-7-94
Completed, Time: 1040	Date: 7-7-94

Notes: THIS BORING LOCATED ADJACENT TO SB246-04 TO COLLECT FOR VOCs ONLY

10.15'

BACKGROUND = 0/0/NA

HNu/FID	0.4/0						
β-γ (cpm)	180-AMB						
Time	0930						
Date	7-7-94						

Total Depth: 17 FT	Casing Depth:
Screened Interval:	
Sand Pack, #3:	#0:
Well Development Method:	
Time: Date:	Flow Rate:
Geophysical Logs, Type:	
By:	Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
									SM/SW					SURFACE: SAND (SM) LIGHT BROWN (7.5YR 6/4) DRY, LOOSE, MED-HIGH EST. PL, VFG-FG SUBRND SAND 5% SLT, 1-2% MG. 1% CG. 1-3% SUBANG - SUBRND PEBBLES TO 8mm Ø ON SURFACE
											1			
											2			
											3			
											4			
									SW					4'?, SILTY SAND (SM) STRONG BROWN (7.5YR 5/6) DAMP, MED DENSE, MOD. SEL PL, VFG-FG SUBANG SAND, 10-15% SLT, 2-3% MG 1% CG. OCCAS, ANG. PEBBLES TO 4mm Ø.
			12	4	G	0/6/NA (89-60-NA)					5			
											6			
											7			
											8			
											9			
									SW		10			

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56 | Borehole/Well No.: ST246-13

Notes:

Sample ID	Sampler Type	Blows / 6 inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/PID	Analysis		Lithology Code	(Soil)	Depth (ft)	Recovery	Contact	
KAFB-ST246-13-10/12 KAFB-ST246-13-14-10/12			24	22	6	0/5 (Bkgd) BZ Background 7-10	VOC VOC	B		SOIL	10 11 12 13		? ? ?	9'? SILTY SAND (SM) STRONG BROWN (7.5YR 4/6) MOIST, MED. DENSE, LOW EST. IK. VFG SUBANG SAND. 5-10% CLAY, 15-20% SILT. 2-3% MG 1% CA. 11.25' SAND (SP) STRONG BROWN (10YR 4/6) MOIST, MED DENSE, MOD. EST IK, VFG SUBANG SAND 5-10% SILT. ABUND WEATHERED BIOTITE. 10% CALCITE SCATTERED PATCHES TO 15mm Ø. 14' CLAYEY SAND (SC) STRONG BROWN (10YR 4/6) MOIST, MED DENSE LOW EST. IK. VFG SUBANG SAND. 10-15% CLAY, 15-20% SILT.
KAFB-ST246-13-15/17 KAFB-ST246-13-15/17 MS/MSD			24	22	6	0/5.5 (Bkgd) BZ = 0.0 @ T-5	VOC VOC	MS/MSD		SOIL	14 15 16 17		? ?	@ 16' 10-15% CLAY 10-15% SILT. @ 17' (7.5YR 5/6) 10-15% CLAY. 10-20% SILT + 10-15% FG. 2-3% MG <1% CA.
											8 9 0 1 2 3 4 5 6 7 8 9 0			

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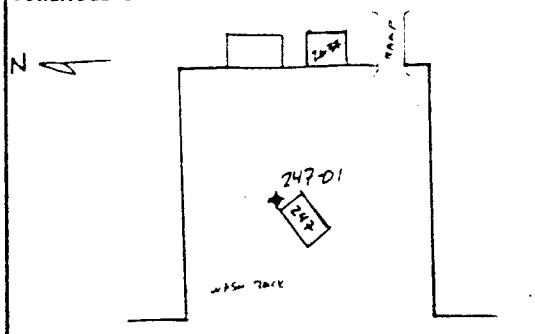
WYOMING

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: SB247-01
	Job No: 2A56
Logged By: J. Pavletich	Edited By: JP
Project Manager: K. Walter	Drill Rig: Geoprobe
Drilling Contractor: BRE	
Driller/Helper: ~~B. Wolfe~~ S CAMP	
Drilling Method: Geoprobe Construction Method Code = V (driven), HA = Hand Augered	
Sample Method: 4 PAGE ROCK CORE	
Hammer Weight/Drop: N A	Borehole Diameter: 1.375"
Started, Time: 0945	Date: 5-26-94
Completed, Time: 1	Date: 5-26-94

Notes: THIS BOR 4 YEAR CONCRETE SLAB JOINT / CRACKS AT EDGE / CORNER OF UNIT.

BACKGROUND = 7.8 UNR

HNu/FID	2.1					
β-γ (cpm)	2076					
Time	0915					
Date	5-26-94					

Total Depth: 10 FT — Casing Depth:

Screened Interval:

Sand Pack, #3: — #0:

Well Development Method:

Time: — Date: — Flow Rate:

Geophysical Logs, Type:

By: — Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses		Lithology Code	Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
		8"	12	12		20/50			SM	1			0"-8" CONCRETE
		4"				57-60 BZ 1.6							SILTY SAND (SM) YELLOW-BRN (10YR 5/6) MOIST, MED. DENSE
										2			VFG-FG SUBANG SAND, 20-30% SILT, 5% MG, 1% CG. NOTICEABLE
													SOLVENT(?) ODOR.
										3			3'-5' SAME AS AT 1' MINOR SOLVENT(?) ODOR
KAFB-SB247-01 03 95			24	22	6	3.1/5	VOC	AFID		4			
						57-60 BZ 9.2	SVOC	DRO					
							METALS	Hg pH	MOIST.	5			
										6			
										7		7'	7'? SILTY SAND (SM) YELLOW-BRN (10YR 5/6) MOIST, MED. DENSE
													LOW EST. VFG-FG SUBANG. SAND 20% SILT, 10% MG, 2% CG
										8			— HORIZONTAL CONTACT
KAFB-SB247-01 08 10			24	22	6	2.1/	METALS	Hg pH	MOIST				8' SAND, SILTY, YELLOWISH-BROWN (10YR 5/4) MOIST, LOOSE-MED DENSE
						57-60 NO 9.7	SVOC	DRO		9			8'-9.5' SAND, 5-10% SILT, 10-15% VFG, 5-5% MG, TRACE CG - UCAG
							VOC	AFID					METAL: GRITTY CONSISTENCY
										10			

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2AS6

Borehole/Well No.: ST249-02

Notes:

Sample ID	Sampler Type	Blows / 6 inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/PID	Analysis		Lithology Code	(+PID)	Depth (ft)	Recovery	Contact	Notes
											11			
											12			
										SDIF	13			SAND (SP) YELLOW BROWN (10YR 5/4) MOIST MED DENSE, LOW EST 1K. VFG SUBANG SAND 10% SILT 5% FG 1% MG <1% CG-VCA
											14			
			12	10	6	2/1 BT-BD-ED 8:7				SDSL	15			15.5' SILTY SAND (SM) YELLOWISH BROWN (10YR 5/6) MOIST MED DENSE LOW EST 1K VFG SUBANG SAND 15-20% SILT 10% FG 2% MG 1% CG
											16			
										SDSL	17			17' SILTY SAND/(SM) DARK YELLOW-BROWN (10YR 4/6) MOIST MED DENSE LOW EST 1K VFG SUBANG SAND 20-25% SILT 5% FG.
KAFB-ST249-01 1020			24	21	6	0/1 BT-BD-1[illegible] 8:7	SVOC / VOC / METALS	8270 / 8260 / Hg, pH	MOIST		18–19			AT 20' VFG SUBANG SAND 15-20% SILT 10% FG 5% MG
											20		TD.	
											21–30			

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BOREHOLE / WELL CONSTRUCTION LOG

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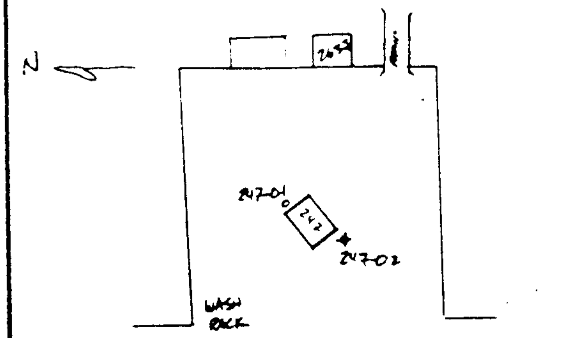
BOREHOLE LOCATION



Project	KAFB Stage 2B
Borehole/Well No:	ST247-02
Job No:	2A56
Logged By:	J. Pavletich
Edited By:	JP
Project Manager:	K. Walter
Drill Rig:	Geoprobe
Drilling Contractor:	BRE
Driller/Helper:	~~B. Wolfe~~ S. CAMP
Drilling Method:	Geoprobe Construction Method Code = ✓V (driven), HA = Hand Augered
Sample Method:	LARGE-BORE SAMPLER
Hammer Weight/Drop:	NA
Borehole Diameter:	2.5"
Started, Time:	1345
Date:	5-26-94
Completed, Time:	1442
Date:	5-26-94

Notes: 3 8'

BACKGROUND γ = 70 R/HR

HNu/FID	0/1
β-γ (cpm)	60-80
Time	1340
Date	5-26-94

Total Depth: 10 FT

Screened Interval:

Sand Pack, #3:

Well Development Method:

Time: Date:

Geophysical Logs, Type:

By:

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Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses		Lithology Code	Depth in Feet
									SDSL	1
									SDSL	2–3
KAFB-ST247-02 03.5'			24	22	G	0/1; BG 60-70 β·γ 0.6	SVOC VOC METALS	TRO GRO Hg pH Moisture	SDSF	3–5
									SDSF-SDFN	7
KAFB-ST247-02 08/10			24	20	G	0/1; BG 60-100 0.6	SVOC VOC METALS	TRO GRO Hg pH Moisture	SDSF-SDFN	8–10

LITHOLOGIC DESCRIPTIONS

0"-8" CONCRETE

SILTY SAND (SM) YELLOW-BRN (10YR 5/6) MOIST, MED. DENSE, VFG-FG SUBANG. SAND. 20-30% SILT, 5% MG, 1% CG

2'? SILTY SAND (SM) PALE BRN (10YR 8/3) DRY, DENSE. LOW EST [illegible], VFG-FG SUBANG SAND. 15-25% SILT. 15% FG. 1-2% MG. [illegible] CEMENTED W/ CALICHE

4' SAND (SP) YELLOWISH BROWN (10YR 5/6) MOIST, MED. DENSE LOW EST [illegible], VFG. SUBRND SAND 5-10% SILT, 5% FG. 1% MG-CG.. [illegible] SUBANG PEBBLES TO 4mm Ø. CALICHE PATCHES TO 10mm Ø AT 5 FT.

7'? SAND (SW) YELLOWISH BROWN (10YR 5/6) MOIST, MED DENSE, LOW EST [illegible], VFG-FG SUBANG SAND. 5% SILT, 10% MG. 10% CG-VCG. 1-2% SUBANG PEBBLES TO 6mm Ø

8.75' SAND (SW) YELLOWISH BROWN (10YR 5/8) MOIST, MED. DENSE. LOW-MOD. EST. [illegible] VFG-FG SUBANG. SAND 5-10% SILT.

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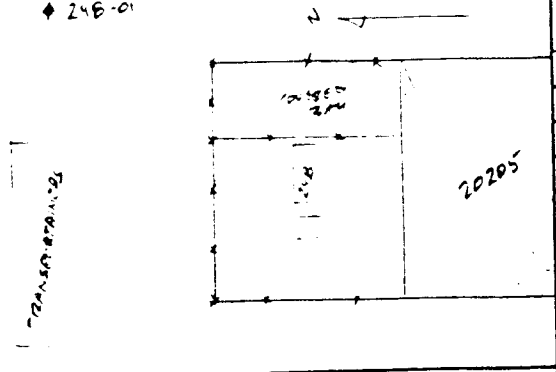
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION
♦ 24B-01



Project: KAFB Stage 2B	Borehole/Well No: SS 24B-01
	Job No: 2A56
Logged By: J. Pavletich	Edited By: JP
Project Manager: K. Walter	Drill Rig: Geoprobe
Drilling Contractor: [illegible]	
Driller/Helper: B. Wolfe	
Drilling Method: Geoprobe Construction Method Code = V (driven), HA = Hand Augered	
Sample Method: LARGE-BORE SAMPLER	
Hammer Weight/Drop: NA	Borehole Diameter: 3.25"
Started, Time: 1030	Date: 6-3-94
Completed, Time: ~5'	Date: 6-3-94

Notes:
DEPTH OF THE BACKGROUND BORING FOR SS21B & SS24B CHOSEN TO BE THE SAME AS SAMPLE DEPTHS FOR THE DIRTIEST FEATURE (SS24B) @ 4'-4.6'
DEPTH OF O/W SEEP: 3'
BACKGROUND 7.9 dB/HR

HNu/PID	0/1					
β-γ (cpm)	40-60					
Time	1045					
Date	6-3-94					

Total Depth: 18 FT
Casing Depth:
Screened Interval:
Sand Pack, #3: #0:
Well Development Method:
Time: Date: Flow Rate:
Geophysical Logs, Type:
By: Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/PID Reading	Analytes		Lithology Code	Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
			12	10	G	0/1 BG=0.9				1			ASPHALT 0'-3.5"
													SILTY SAND (SM) YELLOWISH BROWN (10YR 5/4) MOIST, MED DENSE
													LOW EST. IL, VFs SUBANG SAND. 5-10% CLAY 20-25% SAT,
										2			CALICHE NODULES TO 6mm Ø PATCHES TO 15mm Ø. WEATHERED ROOT
													COMMON
										3			
										4			
													4'9" SILTY SAND/SAL (SM) BROWN (7.5YR 4/6) MOIST, MED DENSE
			2	6	G	0/1 BG=0.9				5			LOW EST IL, VFs SUBANG SAND. 15-20% SILT. 15-20% Fs 5%
													MG. CALICHE PATCHES TO 7mm Ø OCCAS. SUBRND PEBBLES
										6			TO 10mm ROOTLETS BATTLE COMMON
										7			
										8			DAMP - WET AT 9.5'
SS24B-01-0911			24	10	G	0/1 BG=0.9	SVOC	TPH		9			9.75' GRAVELLY SAND (SW) BROWN (7.5YR 5/6) DEN DENSE
													MOD.-HIGH EST. IL, Fs SUBANG SAND. 5% SILT, 10% VFs,
										10			10% MG. 5-10% PG. 15-20% SUBANG. PEBBLES TO 12mm Ø

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56

Borehole/Well No.: SIZ-S-0

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/PID	Analysis		Lithology Code	(Lithology)	Depth (ft)	Recovery	Contact	
							TOC	GRD						WEATHERED BIOTITE COMMON
							METALS	Hg, PA	MOIST.		11			
											12			
											13			
										SILT				13': SILTY SAND (SM) BROWN (7.5YR 4/6) SLIGHT. MED DENSE
											14			LOW EST. IK, VFG SUBANG. SAND. 5% CLAY, 15-20% SILT, 5-10% FG
						8-9								1% MG. ABUNDANT WEATHERED BIOTITE
		1	12	9	6	0/1					15			15.75 SAND (SP) BROWN (7.5YR 4/6) MOIST. SLIGHT MED DENSE, LOW
										SAND				MOD. EST. IK, VFG SUBANG. SAND. 10% SILT. 5% FG. ABUNDANT
											16			WEATHERED BIOTITE
KAFB-SIZ-B-01 1618			24	20	6	0/1				SILT				16.25' SILTY SAND (SM) BROWN (7.5YR 4/6) MOIST. SLIGHT, MED DENSE,
							SVOC	DIOD			17			LOW EST. IK, VFG SUBANG. SAND. 5-10% CLAY, 15-20% SILT, WEATHERED
						8-8	VOC	GRD						BIOTITE ABUNDANT.
							METALS	Hg PA	MOIST.		18			16.75' GRAVELLY SAND (SW) BROWN (7.5YR 5/6) MOIST, DENSE,
														MOD.-HIGH EST. IK, FG-MG SUBANG. SAND. <10% SILT & VFG
											9			5-10% CG. 15-20% SUBRND PEBBLES TO. 20mm ϕ
											0			
											1			
											2			
											3			
											4			
											5			
											6			
											7			
											8			
											9			
											0			

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BOREHOLE / WELL CONSTRUCTION LOG

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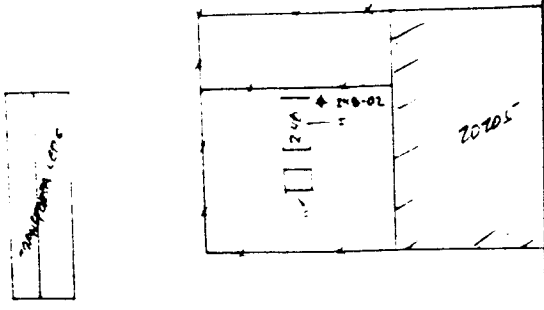
BOREHOLE LOCATION
o 248-01



Project: KAFB Stage 2B	Borehole/Well No: SB248-02
	Job No: 2A56
Logged By: J. Pavletich	Edited By: JP
Project Manager: K. Walter	Drill Rig: Geoprobe
Drilling Contractor: SAE	
Driller/Helper: B. Wolfe	
Drilling Method: Geoprobe Construction Method Code: V (driven), HA = Hand Augered	
Sample Method: 4" x 4' - BORE LINER	
Hammer Weight/Drop: NA	Borehole Diameter: 1.375"
Started, Time: 1215	Date: 6-3-94
Completed, Time: 1330	Date: 6-3-94

Notes: 3 B'

Background = 9 pc/Hr

HNu/FID	0/1
β-γ (cpm)	80-80
Time	1235
Date	6-3-94

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Total Depth: 10'
Screened Interval:
Sand Pack, #3:
Well Development Method:
Time: Date:
Geophysical Logs, Type:
By:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analysis		Lithology Code	Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
			6	6	4	0/1 0-1' BKG-0.00				SPA			CONCRETE 0-3'
										1			SILTY SAND (SM) BROWN (7.5YR 4/4) MOIST, MED. DENSE LOW EST. IK, VFG. SUBANG. SAND. 10% CLAY 20-30% SILT, 5% FG, 5% MG, 5% CG. 5-10% SUBANG PEBBLES TO 15mm ϕ. RED SANDSTONE FRAGS TO 20mm ϕ.
										2			
										3		3'	
KAFB-SB248-02 0'-5'			24	22	G	0/1 BKG=0.00 0'-1'	SVOC	DRO		SPA			SILTY SAND (SM) BROWN (7.5YR 5/6) MOIST, MED. DENSE. LOW EST. IK, VFG SUBANG. SAND. 10% CLAY. 20% SILT. 10% FG. ABUND. WEATHERED BASALT
							VOC	GRO		4			
							METALS	Hg PA	MOIST.	5		5'	4A' CLAYEY SILT (ML) BROWN (7.5YR 4/6) MOIST-DAMP. STIFF. LOW EST IK, 20% CLAY. 5-10% VFG. WEATHERED BASALTIC COBBLES
										6			7'? SILTY SAND (SM) BROWN (7.5YR 5/6) MOIST, MED. DENSE, LOW EST IK. VFG-FG SUBANG. SAND. 5-10% CLAY, 15-20% SILT. 2-3% MG. <1% CG.
KAFB-SB248-02 5'-10'			29	22	G	0/1 0-1'	SVOC	DRO		7		7'	
						0/0 5'-10'	VOC	GRO		SPA			
							METALS	Hg PA	MOIST.	9			9.75' SANDY GRAVEL (GW) LT. BROWN (7.5YR 6/4) DRY, DENSE, HIGH EST IK, SUBROUND PEBBLES TO > 30mm ϕ. 1% SILT, 2-3% VFG, 5% FG, 5-10% MG, 5% CG. WEATHERED BASALTIC COMMON.
										10			

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BOREHOLE / WELL CONSTRUCTION LOG

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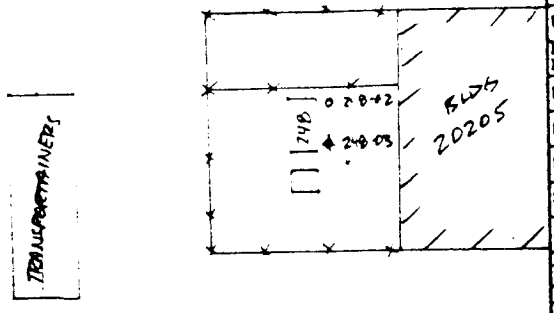
BOREHOLE LOCATION
O 2-B-01



Project: KAFB Stage 2B	Borehole/Well No: ST 2-B-03
	Job No: 2A56
Logged By: J. Pavletich	Edited By:
Project Manager: K. Walter	Drill Rig: Geoprobe
Drilling Contractor: BNE	
Driller/Helper: B. Wolfe	
Drilling Method: Geoprobe Construction Method Code: V (driven), HA = Hand Augered	
Sample Method: LINER BORE SAMPLER	
Hammer Weight/Drop: N A	Borehole Diameter: 3.75"
Started, Time: 1330	Date: 6-3-94
Completed, Time: 1425	Date:

Notes:

BACKGROUND = 9 OR/HR

HNu/PID	0/1
B-T (cpm)	60-80
Time	1330
Date	6-3-94

PROFESSIONAL GEOLOGIST JOSEPH P. PAVLETICH PG-1990 WYOMING

Total Depth: 10FT	
Screened Interval:	
Sand Pack, #3:	Casing Depth:
Well Development Method:	To:
Time: Date:	Hours:
Geophysical Logs, Type:	Date:
By:	

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/PID Reading	Analyses		Lithology Code	Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
													CONCRETE 0-3"
									SP	1			SILTY SAND (SM) BROWN (7.5YR 4/4) MOIST, MED. DENSE,
													10% EST. IR, VFG-FG SUBANG SAND, 5% CLAY, 20% SILT, 5% FG,
													2-3% MG, 2-3% CG, 5-10% SUBANG PEBBLES TO 20mm Ø
									SCL	2			
												?	?? CLAYEY SILT (ML) BROWN (7.5YR 4/6) MOIST, STIFF, LOW EST.
										3			1%, 20-30% CLAY, WEATHERED BOTTLE COMMON
KAFB-ST2B-03-0510-			24	22	G	0/1	SVOC	TCLP					4.75' SILTY SAND (SM) BROWN (7.5YR 4/6) MOIST, MED. DENSE,
						85/100 Bkg 8.9	VOC	TCLP		4			LOW EST. 1%, VFG SUBANG SAND, 10% CLAY, 20% SILT, 10% FG, 1% MG,
							MERC	Hg	MOIST				WEATHERED BOTTLE COMMON.
									SP/SM	5			
										6			7' SAND (SP) BROWN (7.5YR 4/6) MOIST, MED. DENSE,
													LOW EST. 1%, VFG. SUBANG SAND, 5% CLAY, 10% SILT, 5% FG
									SP/SM	7			
										8			9.75' GRAVELLY SAND (SW) BROWN (7.5YR 4/6) MOIST, DENSE,
KAFB-ST2B-05			24	22	G	0/1	SVOC	TCLP					MED-HIGH EST. 1%, MG SUBANG. SAND. 5% SILT, 10% VFG-FG,
0-10						85/100 Bkg 8.5	VOC	TCLP		9			10-15% CG. 20% SUBRND PEBBLES TO 15mm Ø. WEATHERED
							MERC	Hg	MOIST	SP/GR			BOTTLE COMMON.
										10			

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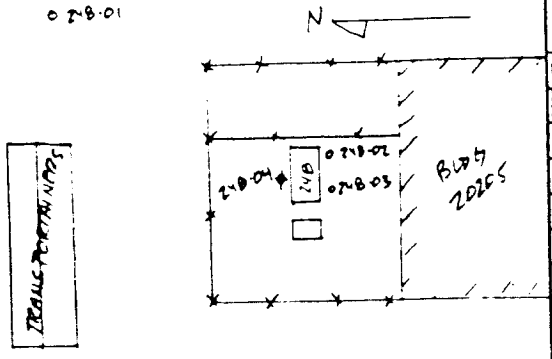
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION
0 2-B-01



Project: KAFB Stage 2B	Borehole/Well No: SS 2-B-04
	Job No: 2A56
Logged By: J. Pavletich	Edited By: JP
Project Manager: K. Walter	Drill Rig: Geoprobe
Drilling Contractor: ESE	
Driller/Helper: B. Wolfe	
Drilling Method: Geoprobe Construction Method Code = V (driven), HA = Hand Augered	
Sample Method: LACHAT - BORE SAMPLER	
Hammer Weight/Drop: N A	Borehole Diameter: 1.375"
Started, Time: 1425	Date: 6-3-94
Completed, Time: 1540	Date: 6-3-94

Notes:

HNu/FID	0/1					
β-γ (cpm)	20-40					
Time	1425					
Date	6-3-94					

BACKGROUND 8-9 cpm/HFL

Total Depth: 11 FT. Casing Depth:
Screened Interval:
Sand Pack, #3: #0:
Well Development Method:
Time: Date: Flow Rate:
Geophysical Logs, Type:
By: Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses		Lithology Code	Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
													CONCRETE 0-3'
													SILTY SAND (SM) BROWN (7.5YR 4/4) MOIST, MED. DENSE,
													LOW EST. IR, VFG-FG SUBANG SAND 5-10% CLAY, 20% SILT, 5% FG,
													2-3% MG, 2-3% CG, 5-10% SUBANG PEBBLES TO 20mm ϕ
													3'? SAND (SM) BROWN (7.5YR 4/4) MOIST, MED. DENSE, LOW
													EST. IR, VFG SUBANG SAND 5-10% SILT 1% SUBANG. PEBBLES
													TO 5mm ϕ. WEATHERED BIOTITE COMMON
KAFB-SS2B-04-0802 KAFB-SS2B-94-0304			24	18	6	0/1	SVOC	DRO					4.75' CLAYEY SILT (ML) BROWN (7.5YR 4/6) MOIST, MED. STIFF
						89-60-92	SVOC	DRO	R				LOW EST. IR, 20-30% CLAY, 10% VFG SAND WEATHERED BIOTITE
							METALS	Hg PH	MOIST				COMMON.
			24	10	6	0/1	METALS	Hg PH	MOIST-R				5.75' SILTY SAND (SM) BROWN (10YR 5/6) MOIST, MED. DENSE
						89-60-92	VOC	GRO					LOW EST. IR VFG SUBANG, SAND 5-10% CLAY. 15-20% SILT 10%
							VOC	GRO	R				FG. 1% MG WEATHERED BIOTITE COMMON
													6.75' SILTY SAND (SM) BROWN (10YR 4/6) MOIST, MED. DENSE,
													LOW EST. IR, VFG SUBANG SAND. 10% CLAY 20% SILT, 5-10%
													FG, 1% MG. WEATHERED BIOTITE COMMON.
KAFB-SS2B-04 OB1			36	18	6								8.5' GRAVELLY SAND (SW) BROWN (7.5YR 4/6) MOIST, DENSE,
						0/1							MED-HIGH EST. IR, MG SUBANG. SAND 5-10% SILT & VFG.
						89-60-92	SVOC	DRO					10-15% CG, SUBROUND PEBBLES TO 20mm ϕ

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2AS6 | Borehole / Well No.: SB2WB-04

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/PID	Analysis		Laboratory Code	(Static)	Depth (ft)	Recovery	Contact	
							VOC	FIXED						0-1.75 SILTY SAND (SM) BROWN (7.5YR 5/6) MOIST, MED. DENSE.
							WATER	Hg PH	MOIST.	4945	11			LOW EST IK VFG-FG SUBANG. SAND. 10% CLAY. 5% MX.
														WEATHERED BASITE COMMON
											2			
											3			
											4			
											5			
											6			
											7			
											8			
											9			
											0			
											1			
											2			
											3			
											4			
											5			
											6			
											7			
											8			
											9			
											0			

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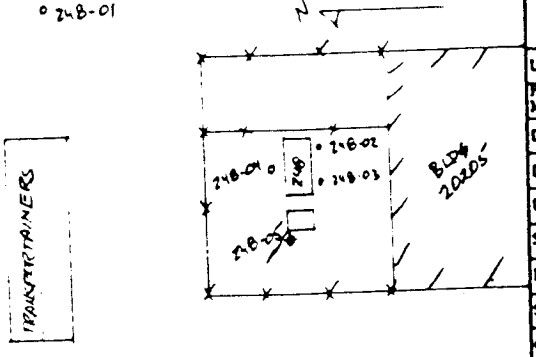
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION
SWMU 248-01



Project: KAFB Stage 2B	Borehole/Well No: SWMU-248-05
	Job No: 2A56
Logged By: J. Pavlevich	Edited By: JP
Project Manager: K. Walter	Drill Rig: Geoprobe
Drilling Contractor: BCE	
Driller/Helper: B. Wolfe	
Drilling Method: Geoprobe Construction Method Code = D (driven), HA = Hand Augered	
Sample Method: LARGE BORE SAMPLER	
Hammer Weight/Drop: NA	Borehole Diameter: 1 3/8"
Started, Time: 1551	Date: 6-3-94
Completed, Time: 1610	Date: 6-3-94

Notes: SAMPLE PAINT WEAR CRACK IN CONCRETE

BACKGROUND β-γ = 9 mR/HR

HNu/FID	0/1
β-γ (cpm)	50-00
Time	1557
Date	6-3-94

PROFESSIONAL GEOLOGIST JOSEPH P. PAVLEVICH PG-1930 WYOMING

Total Depth: 10 FT	
Screened Interval:	
Sand Pack, #3:	
Well Development Method:	
Time:	Date:
Geophysical Logs, Type:	
By:	Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses			Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
			12	9	G	0/1 0/1					STX	1			CONCRETE 0-3"
															SILTY SAND (SM) BROWN (7.5YR 4/6) MOIST, MED DENSE, LOW EST. IK, VFG SUBANG. SAND. 20% CLAY, 25% SILT. ROCKS. SURROUND PEBBLES TO 10mm ϕ, STAINED FRACTURES - 60m. BLACK w/ ORANGE
												2			SOLVENT/FUEL ODOR
											STX	3			2.5' CLAYEY SILT (ML) BROWN (7.5YR 5/6) MOIST, MED. DENSE LOW EST. IK, 20-30% CLAY, WEATHERED BIOTITE COMMON
SWMU-SB-05 0515S			21	22	G	0/1 0/1	SVOC	DRO				4			
							VOC	GRO							
							METALS	Pb, Cr				5			6'? GRAVELLY SAND (SW) BROWN (7.5YR 4/6) MOIST, MED DENSE, MOD.-HIGH EST. IK, FG SUBANG. SAND. 5% CLAY, 10% SILT, 10% VFG, 5-10% MG, 5-10% CG. 15% SUBANG. PEBBLES TO 5mm ϕ. WEATHERED BIOTITE COMMON
											STX	6			
												7			9.25' CLAYEY SAND (SC) BROWN (7.5YR 4/6) MOIST, MED DENSE, LOW EST IK, VFG SUBANG. SAND. 20% CLAY 25% SILT,
												8			9.75' SILTY SAND (SM) BROWN (7.5YR 5/6) MOIST MED DENSE LOW EST. IK. VFG SUBANG. SAND 5% CLAY 15% SLT, 10% FG, 5% MG, 1-2% CG. ROCKS. SURROUND PEBBLES TO 5mm ϕ
SWMU-SB-05 0810			24	22	G	0/1 0/1	SVOC	DRO			STX	9			WEATHERED BIOTITE COMMON
							VOC	GRO							
							METALS	Pb, Cr			STX	10			

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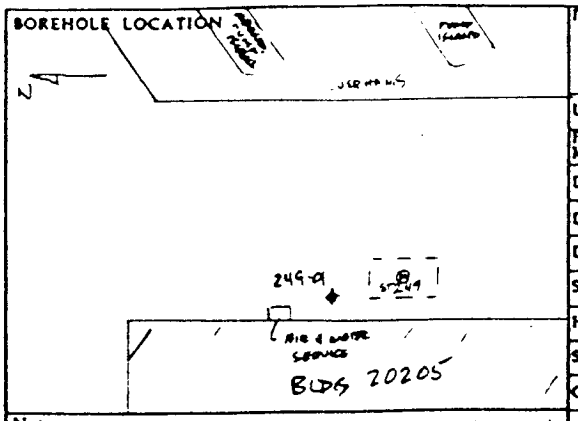
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: SB 249-01
	Job No: 2A56
Logged By: J. Pavletich	Edited By: JP
Project Manager: K. Walter	Drill Rig: Geoprobe
Drilling Contractor: BCE	
Driller/Helper: ~~B. Wolfe~~ S. CAMP	
Drilling Method: Geoprobe Construction Method Code = V (driven), HA = Hand Augered	
Sample Method: 4" ACRE-FLEX SAMPLER	
Hammer Weight/Drop: N.A.	Borehole Diameter: 1.375"
Started, Time: 1025	Date: 6-6-94
Completed, Time: 1320	Date: 6-6-94

Notes: HOLE MOVED ABOUT 2' NORTH WHERE TILE FLOOR DISCLOSES 18" HOLE ABOVE TANK
- HOLE BACKFILLED 2ND TIME WHEN PIPE (FORMERLY VENT PIPE) REMOVED
- HOLE " 3RD TIME WHEN POLLUTION WAS HIT

37 METER READINGS TAKEN WITHIN BACKGROUND 8 = B=R/HQ

HNu/PID	0/4.5		
β-γ (cpm)	60-80		
Time	1030		
Date	6-6-94		

Total Depth: 32 FT	Casing Depth:
Screened Interval:	
Sand Pack, #3:	#0:
Well Development Method:	
Time: Date:	Flow Rate:
Geophysical Logs, Type:	
By:	Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/PID Reading	Analyses		Lithology Code	Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
						1/20 0.0-0.8			STCL				ASPHALT 0-4"
			6	4	6	1/20 0.0-0.8				1			CLAYEY SAND (SC) BROWN (7.5YR 5/6) MOIST, MED. DENSE
										2			LOW EST IR, VFG-FG SUBANG. SAND, 20% CLAY, 20% SILT
													5% MG, 1-2% CG. OCCAS. SUBROUND PEBBLES TO 7mm D.
													NAPTHEALE HYDROCARBON ODOR
										3			
										4			
						1/10 PID=0.0-2.7			STCL			?	4'? CLAYEY SAND (SC) BROWN (7.5YR 4/6) MOIST, MED.
			12	4	6	1/10 PID=0.0-2.7				5			DENSE, LOW EST IR, VFG-FG SUBANG. SAND, 15-20% CLAY
													15-20% SILT, 2-3% MG. WEAKLY BOTTLE COMMON
										6			
										7			@ 9.5' 1-2% SUBROUND PEBBLES TO 4mm D
										8			
													9.75 SAND (SP) LT BROWN (7.5YR 6/4) MOIST, MED DENSE
										9			MOD EST IR, FG SUBANG. SAND, 5% SILT, 10% SLT, 15% VFG.
MW-SB249-0911			24	21	G	1/6 0.0-1.9	SVOC	TPHD					10% MG, 1-2% CG SUBROUND PEBBLES BOTTLE COMMON
									SDFN	10			

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56 | Borehole/Well No.: ST249-C1

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Cond.	HNu/FID	Analysis		Laboratory Code		Depth (ft)	Recovery	Contact
							VOC / METALS MOIST.	GCMS / Hg PH PEST. PCB			11		10.95' SILTY SAND (SM) BROWN (7.5YR 4/6) MOIST, MED DENSE. LOW EST. IR, VFG. SUBANG. SAND 15-20% SILT, 10-15% FG, 10% MG, 5% CG. WEATHERED BIOTITE ABUNDANT
											12		
											13		
											14		@ 15.5' ROCK SUBANG. PEBBLES TO 3mm ϕ
			12	10	G	0/2 (CAL) 257.X 259					15		15.75' SILTY SAND (SM) BROWN (7.5YR 4/6) MOIST, MED. DENSE. LOW EST. IR VFG SUBANG. SAND. 5% CLAY, 20% SILT, 10% FG. 1-2% MG, <1% CG. ABUND WEATHERED BIOTITE.
KAFB-ST249-01 16.0'			24	21	G	0/3 257.X 259	SVOC	DRO			16		16.1' CLAYEY SAND (SC) DARK YELLOWISH BROWN (10YR 4/6) MOIST DAMP MED DENSE, LOW EST. IR, VFG-FG SUBANG SAND 15% CLAY, 20% SILT, 10% MG, 1-2% CG. BIOTITE, COMMON W/ DEPTH.
							VOC / METALS PEST.	GCMS / Hg PH PCB			17		
											18		18.5' SAND (SP) BROWN (7.5YR 5/6) MOIST, MED. DENSE MED-HIGH EST. IR, FG SUBANG SAND. <5% SILT, 10% VFG. MIS% MG, 5% CG. WEATHERED BIOTITE COMMON. @ 18' 5-10% SUBANG PEBBLES TO 9mm ϕ
											19		
											20		19.5' GRAVELLY SAND (SW) BROWN (7.5YR 4/6) MOIST, MED DENSE-DENSE, MOD-HIGH EST. IR, FG-MG SUBANG SAND. 5% SILT. 15% VFG. 15% CG. 15-20% SUBRND PEBBLES TO 7mm ϕ.
			12	6	G	0/5 (Bkg) 259							
			24	21	G	0/3 8-4	SVOC	DRO			21		
KAFB-ST249-01 21.5'							VOC / METALS PEST.	GCMS / Hg PH PCB MOIST			22		21.25' SILTY SAND (SM) BROWN (7.5YR 4/6) MOIST, MED DENSE. LOW EST. IR, VFG SUBANG SAND 15% SILT, 10-15% FG, 12 MG, 1% CG. DKYG. SUBANG PEBBLES TO 8mm ϕ. ABUND. WEATHERED BIOTITE.
											23		@ 23' 5% CLAY, 5-10% FG. 1% MG. <1% CG.
											24		
			12	7	G	0/3 2-4					25		24.5'? SILTY SAND (SM) BROWN (7.5YR 5/6) DAMP; MED DENSE. LOW EST. IR, VFG SUBANG SAND. 10% CLAY. 20% SILT. 5% FG. 2% MG. ABUND. WEATHERED BIOTITE.
											26		
											27		
											28		
											29		
											30		

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2AS6 | Borehole/Well No.: SS 249-01

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/PID	Analysis		Lithology Code	(Time)	Depth (ft)	Recovery	Contact
KAFB-SS249-01 3032			24	21	6	0/3	SVOC	PHC			31		
						0	VOC	GRO					
							METALS TEST	Hg, PB, PCB	MOIST,		32		

29'? GONEELY SAND (SW) DARK YELLOW BROWN (10YR 4/6) MOIST.
MED. DENSE-DENSE, MOD. SST. IR, FG. SUBANG. SAND. 5-10% SILT.
10-15% VFG. 10% MG. 5-10% CG 20-25% SUBRND PEBBLES TO 15mm ϕ

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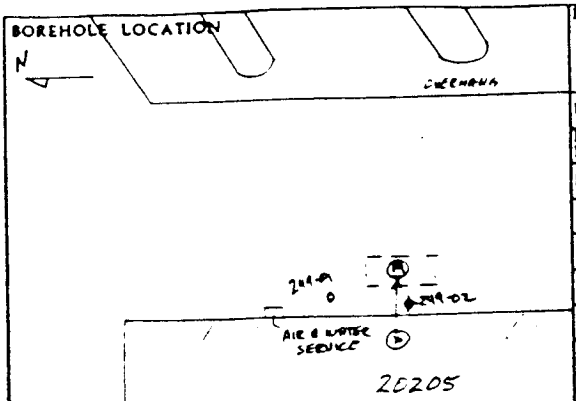
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project	KAFB Stage 2B
Borehole/Well No.	SB99-02
Job No.	2A56
Logged By:	J. Pavletich
Edited By:	JP
Project Manager:	K. Walter
Drill Rig:	Geoprobe
Drilling Contractor:	BASE
Driller/Helper:	B. Wolfe S. CALL
Drilling Method:	Geoprobe Construction Method Code = N (driven), HA = Hand Augered
Sample Method:	LARGE - BORE SAMPLER
Hammer Weight/Drop:	N A
Borehole Diameter:	1.375"
Started, Time:	1410 Date: 6-6-94
Completed, Time:	1457 Date: 6-6-94

Notes: BY MYERS NOT OPERATING ON THIS HOLE 9.16.21

SURFACE SAMPLE

BACKGROUND δ = 9 ppb/HR

HNu/PID	0/1.75					
β-T (cpm)	NOT OPERATIONAL					
Time	1415					
Date	6-6-94					

Total Depth: 3FT Casing Depth:

Screened Interval:

Sand Pack, #3: #0:

Well Development Method:

Time: Date: Flow Rate:

Geophysical Logs, Type:

By: Date:

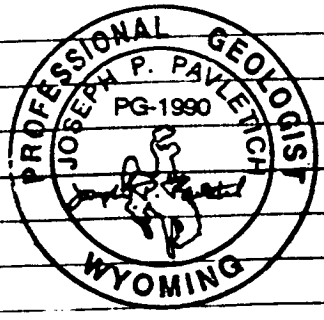
Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/PID Reading	Analyses		Lithology Code	Depth in Feet	Recovery / Sample Loc.	Contact
										0		
KAFB SB99-02 003			24	20	G	2/0	VOC	GRO		1		
						0.9	SVOC PEST.	DRO HERB. PCB	MOIST	2		
										3		T.D.
										4		
										5		
										6		
										7		
										8		
										9		
										10		

LITHOLOGIC DESCRIPTIONS

ASPHALT 0-6"

SILTY SAND (SM) YELLOWISH BROWN (10YR 5/6) MOIST, LOOSE, LOW EST. K, VFG-FG SUBANG SAND, 80% CLAY 20% SILT, 5% MG.

STAINED CONCRETE W/ NOTICEABLE HYDROCARBON ODOR 1-2 FT.



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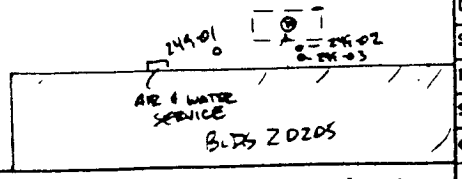
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: SB49-03
	Job No: 2A56
Logged By: J. Pavletich	Edited By: JP
Project Manager: K. Walter	Drill Rig: Geoprobe
Drilling Contractor: BRE	
Driller/Helper: ~~B. Wolfe~~ S CAMP	
Drilling Method: Geoprobe Construction Method Code = (V (driven), HA = Hand Augered	
Sample Method: LARGE-BORE SAMPLER	
Hammer Weight/Drop: N.A.	Borehole Diameter: 1.375"
Started, Time: 1500	Date: 6-6-94
Completed, Time: 1700	Date: 6-6-94

Notes: 9.16.21

BACKGROUND = 9 U/B/BZ

HNu/FID	0/2					
β-γ (cpm)	NOT PERFORMED					
Time	1505					
Date	6-6-94					

Total Depth: 25FT | Casing Depth:

Screened Interval:

Sand Pack, #3: #0:

Well Development Method:

Time: Date: Flow Rate:

Geophysical Logs, Type:

By: Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses		Lithology Code	Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
									SAND				ASPHALT 0-6"
			12	8	G	0/0 B-7				1			CLAYEY SAND (SC) YELLOW-BROWN (10YR 5/6) MOIST, MED. DENSE, LOW EST. IR, VFG SUBANG. SAND 20% CLAY, 20-25% SILT, OCCAS. SUBANG PEBBLES TO 5mm ϕ FAINT RUST. PEBBLES TO 20mm ϕ
										2			
										3			
										4		?	4'? CLAYEY SAND (SC) BROWN (7.5YR 4/6) MOIST, MED. DENSE LOW EST. IR, VFG, SUBANG. SAND. 15-20% CLAY 20% SILT. 10-15% FG, WEATHERED BIOTITE OBSERVED
			12	8	4	0/3 B-9			SAND	5			
										6		?	6'? CLAYEY SILT (ML) BROWN (7.5YR 4/6) MOIST, MED STIFF-STIFF, LOW EST. IR, 30-35% CLAY, 5% VFG.
										7			
										8			9.75' GRAVELLY SAND (SW) BROWN (7.5YR 4/6) MOIST, DENSE, MOD. EST. IR, FG-MG SUBANG. SAND. 5% CLAY, 10% SILT, 15% VFG, 10% GG. 15-20% SUBANG PEBBLES TO 5mm ϕ
KAFB-SB49-05 09/1			24	22	G	0/2.5 B-9	SVOC	BTEX	SAND	9			
										10			

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56 | Borehole/Well No.: ST249-03

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/PID	Analysis		Lithology Code	(USCS)	Depth (ft)	Recovery	Contact	Lithologic Description
							VOC	6020						10' SAND (SP) DARK YELLOWISH BROWN (10YR 4/6) MOIST, MED. DENSE
							METALS TEST	Hg pH PCB	MOIST	SP/F-SP/FN	11			LOW EST. IK, VFG-FG SUBANG. SAND. 5% SILT 5-10% MG,
														1% CG. WEATHERED BIOTITE ABUNDANT
											12			
											13			
											14		?	
										SP/F-SP/FN				14'? SAND (SP) BROWN (7.5YR 4/6) MOIST-WET, MED. DENSE, LOW-
											15			MOD. EST. IK, VFG-FG SUBANG SAND 5-10% SILT, 5% MG, 1% CG,
			12	10	G	0.0/5 2.9								WEATHERED BIOTITE COMMON. ROOTS 1" THICK INTERBEDS OF VFG SAND
										SP/F	16			15.8' SILTY SAND (SM) DARK YELLOWISH BROWN (10YR 4/6) MOIST,
KAFB-ST249-03-16.5'-17'			24	20	G	4/2.5	SVOC	DRO						DENSE, MED. EST IK, VFG-FG SUBANG SAND, 2-3% CLAY 15-20% SILT
KAFB-ST249-03-17'-17.5'						0.9	SVOC METALS TEST	DRO Hg pH PCB	IR	SP/F	17			5-10% MG. 2-5% CG. <1% SUBANG. PEBBLES TO 4mm ϕ
														17.25' GRAVELLY SAND (SP) BROWN (7.5YR 5/6) DRY, DENSE, MOD-
											18			HIGH EST. IK, MG SUBANG SAND. 5-10% VFG. 10-15% FG. 2% CG.
			36	15	F									15-20% SUBANG. PEBBLES TO 7mm ϕ
											19			
						0.0/ 0.9	VOC	GRO	IR	SP/F-SP/FN				20' SAND (SP) BROWN (7.5YR 5/6) MOIST, MED. DENSE, LOW-MOD EST.
							VOC METALS TEST	GRO Hg pH PCB	MOIST		20			IK, VFG-FG SUBANG. SAND. 5-10% SILT, 5-10% MG, 1% CG
														21.75' SAND (SP) BROWN (7.5YR 5/6) MOIST, DENSE, MOD-HIGH
											21			EST. IK, MG SUBANG. SAND 5% SILT, 10% VFG-FG. 10-15% CG.
			24	18	G	CALIBRATION				SP/D				22.75' SILTY SAND (SM) DARK YELLOWISH BROWN (10YR 4/6) MOIST,
						0.9	SVOC	DRO			22			MED. DENSE, MOD EST. IK, VFG SUBANG SAND. 15% SILT, 5%
KAFB-ST249-03-21.5'-22'							SOIL METALS TEST	DRO Hg pH PCB	MS/SPOON MOIST	SM/D				FG. 1% MG. WEATHERED BIOTITE COMMON.
KAFB-ST249-03-22'-22.5'			24	22	G	0.0/0.0				SP/D	23			23.1' SAND (SP) SAME AS AT 21.25'
						2.9	METALS TEST	Hg pH PCB	MOIST MS/SPOON					
							VOC	AFD		SP/F	24			24.25' SILTY SAND ; SAME AS AT 22.75'
							VOC	GRO	MS/SPOON					24.75' SAND (SP) SAME AS 21.25'
											25			
											6			
											7			
											8			
											9			
											0			

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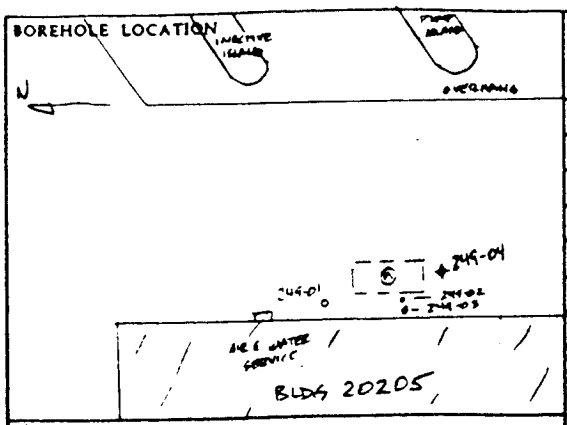
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: SB 249-04
	Job No: 2A56
Logged By: J. Pavletich	Edited By:
Project Manager: K. Walter	Drill Rig: Geoprobe
Drilling Contractor: BRE	
Driller/Helper: B. Wolfe	
Drilling Method: Geoprobe Construction Method Code: (V (driven), HA = Hand Augered	
Sample Method: LARGE BORE SAMPLER	
Hammer Weight/Drop: N.A.	Borehole Diameter: 1.375"
Started, Time: 0830	Date: 6-7-94
Completed, Time: 1055	Date: 6-7-94

Notes: MEGA DIL CARRIED BY TO PUMP WASTE TANK, SAID CAPACITY WAS 560 gallons

BACKGROUND γ = 8 cpm/HR

HNu/PID	0.2/2.5					
β-γ (cpm)	20-60					
Time	0845					
Date	6-7-94					

Total Depth: 23 FT | Casing Depth:

Screened Interval:

Sand Pack, #3: #0:

Well Development Method:

Time: Date: Flow Rate:

Geophysical Logs, Type:

By: Date:

Sample ID	Sampler Type / depth	Blows / 6 inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/PID Reading	Analyses		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
														ASPHALT 0'-6"
			12	7	G	0.5/4.0 (NO HNu)				SM	1			CLAYEY SAND (SC) BROWN (7.5YR 4/4) MOIST, MED DENSE
														LOW EST IL. VFG-FG SUBANG SAND. 15-20% CLAY. 15-20% SILT
											2			2-3% MG. 1-2% CG, 5% SUBANG. PEBBLES TO 15 mm Ø.
											3			
											4			
											5			
										SM			?	
			12	7	G	0.2/2.0 BZ: 9.40 B:1					6			5'? CLAYEY SAND (SC) STRONG BROWN (7.5YR 4/6) MOIST
											7			MED. DENSE. LOW EST. IL, FG SUBANG. SAND. 15% CLAY, 15%
														SILT, 10% FG, 10% MG, 5% CG. 5% SUBANG. PEBBLES TO
											8			4 mm Ø WEATHERED BIOTITE COMMON.
										SILT				8' CLAYEY SILT (ML) BROWN (7.5YR 4/6) MOIST-DAMP, MED STIFF-
											9			STIFF LOW EST. IL, 30-40% CLAY, 5-10% VFG. ROCKS. SUBANG PEBBLES
BOREHOLE-04			24	22	G	0.2/2.5 BZ: 9.40 B:1	SVOC	TCL			10			TO 3 mm Ø WEATHERED BIOTITE COMMON.

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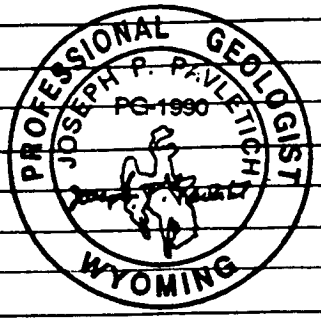
BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56 | Borehole/Well No.: SB49-04

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/FID	Analysis		Lithology Code	(USCS)	Depth (ft)	Recovery	Contact	
							VOC	6020		SW	10			10.75' SAND (SW) STRONG BROWN (7.5YR 4/6) MOIST, DENSE, MOD-FAST REACT IR, FG-MG SUBANG. SAND 5-10% SILT, 5% VFG. 5-10% CG. OCCAS SUBANG. PEBBLES TO 5mm Ø. WEATHERED BIOTITE COMMON
											11			
											12			
											13			
										SW	14			
											15			14.75' SILTY SAND (SM) DARK YELLOWISH BROWN (10YR 4/6) MOIST, MED. DENSE, LOW EST. IR, VFG SUBANG. SAND, 15% SILT, 5% FG, 1% MG, WEATHERED BIOTITE COMMON.
		12	7	4		0/3					16			
KAFB-SB49-04 16/18		24	20	4		0/2	SVOC	8270			17			@ 16.5' DAMP - WET (?)
							VOC	6020		SW				17.75' SILTY SAND (SM) YELLOWISH BROWN (10YR 5/6) MOIST, MED. DENSE, LOW EST. IR, VFG SUBANG. SAND, 15% SILT, 10-15% FG, 1% MG, WEATHERED BIOTITE AS ABOVE.
											18			
											19			19.75' GRAVELLY SAND (SW) BROWN (7.5YR 4/6) MOIST, DENSE, MOD. EST. IR, FG-MG SUBANG. SAND 10% SILT, 10% VFG, 15% CG. 20-25% SUBANG. PEBBLES TO >25mm Ø
		12	7	6		0/2				SW	20			
										SM				20' CLAYEY SILT (ML) DARK YELLOWISH BROWN (10YR 4/6) MOIST, MED. STIFF, LOW EST. IR, 30% CLAY, 2-3% FG, WEATHERED BIOTITE COMMON
KAFB-SB49-04 21/23		24	18	6		0/2				ML	21			20.75' SILTY SAND (SM) BROWN (7.5YR 5/6) MOIST, MED. DENSE, LOW EST. IR, VFG-FG SUBANG. 5-10% CLAY, 15-20% SILT, 5% MG, OCCAS. STRINGERS OF CG-VCG SAND.
										SM	22			21.75' CLAYEY SILT (ML) SAME AS AT 20'
										ML	23		TD	22.75' SILTY SAND (SM) BROWN (7.5YR 4/6) MOIST, MED. DENSE, LOW EST. IR, VFG-FG SUBANG. SAND, 15% SILT 5% MG. WEATHERED BIOTITE COMMON.
										SM	4			
											5			
											6			
											7			
											8			
											9			
											0			



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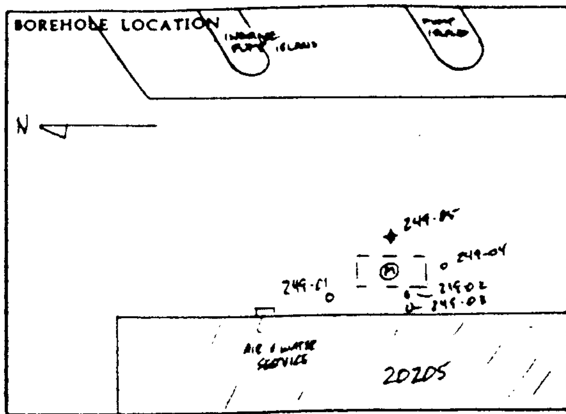
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: ST249-05
	Job No: 2A56
Logged By: J. Pavletich	Edited By:
Project Manager: K. Walter	Drill Rig: Geoprobe
Drilling Contractor: BRE	
Driller/Helper: B. Wolfe	
Drilling Method: Geoprobe Construction Method Code = N (driven), HA = Hand Augered	
Sample Method: LARGE BORE SAMPLER	
Hammer Weight/Drop: N.A.	Borehole Diameter: 1.375"
Started, Time: 1145	Date: 6-7-94
Completed, Time: 1390	Date: 6-7-94

Notes:

BACKGROUND γ = 9 μR/HR

HNu/FID	0/2					
β-γ (cpm)	120-160					
Time	1145					
Date	6-7-94					

Total Depth: 23 FT.	Casing Depth:
Screened Interval:	
Sand Pack, #3:	#0:
Well Development Method:	
Time: Date:	Flow Rate:
Geophysical Logs, Type:	
By:	Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses		Lithology Code	Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
													ASPHALT 0-6"
		↓	12	12	6	4/80 β-γ 120-160 7:9			SC	1	X		CLAYEY SAND (SC) BROWN (7.5YR 4/6) MOIST, MED. DENSE LOW EST. K, VFG-FG SUBANG SAND, 10-25% CLAY, 20-25% SILT 5% MG, 5% CG, UP TO 10% SUBANG PEBBLES TO 12mm ∅. STAINED GRAY W/ BLACK MOTTLING AND WITH STRONG ODOR AT 1 FT DEPTH
									SM	2			1.75' SILTY SAND (SM) LT. YELLOW BROWN (10YR 6/4) MOIST, DENSE LOW EST. K, VFG SUBANG. SAND. 5% CLAY 20-25% SILT. STAINED AND MOTTLED W/ CALICHE
										3			
									SP	4			4'? SAND (SP) DARK YELLOW BROWN (10YR 6/4) MOIST, MED. DENSE, LOW EST. K. VFG SUBANG SAND. 10% SILT, 15% FG. 1% MG. [illegible] BIOTITE COMMON
		↓	12	8	6	0/3 β-γ 7:9				5	X		
										6			
										7			
									SM	8			8'? SILTY SAND (SM) DARK YELLOW-BROWN (10YR 4/4) MOIST, MED. DENSE, LOW EST. K, VFG SUBANG. SAND, 15-20% SILT, 5% FG, 1% MG. [illegible] BIOTITE COMMON
KAFB-ST249-05 09/11		↓	24	22	6	0/2.5-3.5 β-γ 7:9	SVOC	VOC	↓	9	X		
										10			

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56 | Borehole/Well No.: SB249-05

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/FID	Analysis		Lithology Code	(GWL)	Depth (ft)	Recovery	Contact	Description
							VOC	GRND						
							MOISTURE TEST	Hg or PID	MOIST	SOGR	11			10.75 SANDY GRAVEL (GW) YELLOW BROWN (10YR 5/4) DRY, DENSE, MOD EST. IK. SUBALK GRAVEL 4-12 mm ϕ, 5% SILT 10-15% VFG 10% FG. 15% MG. 10% CG. WEATHERED BIOTITE COMMON.
											12			
											13			
											14		?	~14'? SILTY SAND (SM) DRK YELLOW BROWN (10YR 4/6) MOIST, MED DENSE, LOW EST. IK. VFG-FG SUBANG SAND. 5% CLAY, 15-20% SILT 2-3% MG. WEATHERED BIOTITE COMMON.
						0/2 (BACKGROUND)				SOSR	15			
		12	7	6		0/2 (BREATHING ZONE) 2-9					16			
KAB-SB2449-05 1418			24	21	4	0/2 (BREATHING ZONE) 2-9	SVOC	FIELD			17			17.25' GRAVELLY SAND (SW) LT. BROWN (2.5YR 6/3) DRY, DENSE,
							VOC	GRND		SOSR				MOD-HIGH EST. IK, MG SUBROUND-SUBALK. SAND. 5-10% SILT, 10% VFG,
							MOISTURE TEST	Hg or PID	MOIST		18			15% FG, 20% CG, 15% SUBRND PEBBLES TO 5mm ϕ. WEATHERED BIOTITE COMMON
											19			
										SOSR	20		?	~19.5? SAND (SW) DARK YELLOW BROWN (10YR 4/6) MOIST, MED DENSE, MOD-HIGH EST. IK, MG SUBALK. SAND, 5% SILT 10% VFG,
			12	7	6	0/2 (BREATHING ZONE) 2-9					21			10% FG. 10-15% CG 5% SUBRND PEBBLES TO 5mm ϕ. WEATHERED BIOTITE COMMON.
KAB-SB2449-05 2123			24	22	6	0/2 (BREATHING ZONE) 2-9	SVOC	FIELD			22			21-23' - SAME AS AT 19.5' EXCEPT DENSE.
							VOC	GRND						
							MOISTURE TEST	Hg or PID	MOIST		23		T.D.	
											24			
											25			
											26			
											27			
											28			
											29			
											30			

PROFESSIONAL GEOLOGIST
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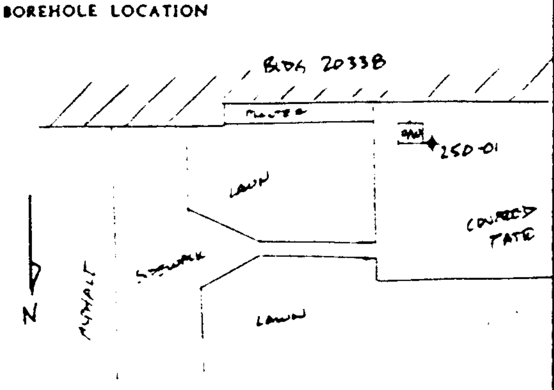
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project:	KAFB Stage 2B
Borehole/Well No:	ST-250-01
Job No:	2A56
Logged By:	J. Pavletich
Edited By:	JP
Project Manager:	K. Walter
Drill Rig:	Geoprobe
Drilling Contractor:	BRE
Driller/Helper:	B. Wolfe / S. CAMP
Drilling Method:	Geoprobe Construction Method Code ✓V (driven), HA = Hand Augered
Sample Method:	LARGE BORE SAMPLER
Hammer Weight/Drop:	N.A.
Borehole Diameter:	1.375"
Started, Time:	1230 Date: 5-6-94
Completed, Time:	340 Date: 5-6-94

Notes: B,3

BACKGROUND γ ~ 9 µR/HR

HNu/PID	0.25/2.5
β-γ (cpm)	80-100
Time	1245
Date	5-6-94

Total Depth: 17 ft

Casing Depth:

Screened Interval:

Sand Pack, #3: #0:

Well Development Method:

Time: Date: Flow Rate:

Geophysical Logs, Type:

By: Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/PID Reading	Analyses		Lithology Code		Depth in Feet	LITHOLOGIC DESCRIPTIONS
											0	CONCRETE 0'-3"
										5YR	1	SILTY SAND (SM) BROWN (7.5YR 5/6) MOIST, MED. DENSE LOW EST IK, VFG SUBANG SAND. 2-3% CLAY, 15-20% SILT, 5% MAG, 1-2% CG OCCAS. SUBROUND PEBBLES TO 5mm ϕ
											2-4	
IF NEEDS, CAN SPLIT THIS ONE, THEN IT WILL BE THE DUPLICATE	INSTEAD OF 250-02-0813	↓	12	1	6	0/2.5 ; 150-200 (40 cpm)				5YR	5	— — ? 5' SILTY SAND (SM) BROWN (10YR 5/4) MOIST, MED. DENSE LOW EST IK, VFG SUBANG. SAND, 15-20% SILT, 5% FG. MOTTLED W/ CALICHE
										5YR	7	7.5' SILTY SAND (SM) BROWN (7.5YR 4/6) MOIST, MED. DENSE, LOW EST. IK, VFG SUBANG SAND, 20% SILT, 2-5% FG, 1% MG. ABUNDANT WEATHERED BIOTITE
KAFB ST250-01 08/10		↓	24	22	6	0/3 ; AR=20-40	SVOC VOC METALS	8OZ 6OZ 16 oz	METALS	5YR	9-10	9.6' SAND (SP) BROWN (7.5YR 4/6) MOIST, MED DENSE, LOW-MID. EST IK, VFG SUBANG. SAND 5-10% SILT, 5% FG ABUND. WEATHERED BIOTITE

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No. KAFB 2B 2A56 | Borehole / Well No. ST-250-01

Notes

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/PID	Analysis		Lithology Code	(Stick)	Depth (ft)	Recovery	Contact
											11		
											12		?
											13		
KAFB-ST250-01-13/14 KAFB-ST250-01-13/14 Background			24	22	6	0/2.5 BZ= 40 Bkgrnd	SVOC	DRO			14		
							SVOC	DRO	MW/MD				
							Metals	Hg PH	Perch		15		
KAFB-ST250-01-15/16 KAFB-ST250-01-15/16			24	20	4	0/2.5 BZ= 40 Bkgrnd					16		
											17 TD		
											18		
											19		
											20		
											21		
											22		
											23		
											24		
											25		
											26		
											27		
											28		
											29		
											30		

2' SILTY SAND (SM) BROWN (10YR 4/6) MOIST, MED. DENSE
LOW EST IK, VFG SUBANG. SAND 5% CLAY, 15-20% SILT, 5-10% MG, C1% CG WEATHERED BIOTITE COMMON

14' SAND (SP) BROWN (10YR 5/6) DRY, DENSE, LOW-MOD EST IK, VFG-FG SUBANG SAND, 5% SILT, 5-10% MG-CG.

14.75' SILTY SAND (SM) BROWN (10YR 4/4) MOIST, MED DENSE LOW EST IK, VFG SUBANG. SAND, 5% CLAY, 15-20% SLT, 5% MG. CALICHE FRAGMENTS TO 10mm ϕ

15.5' SAND (SP) BROWN (10YR 4/4) MOIST, MED. DENSE LOW-MOD. EST IK. VFG-FG SUBANG SAND, 2-3% SILT, 1% MG. WEATHERED BIOTITE COMMON

16.75' SILTY SAND (SM) BROWN (10YR 4/4) MOIST MED DENSE LOW EST. IK, VFG-FG SUBANG. SAND 5% CLAY, 15-20% SILT 2-3% MG. WEATHERED BIOTITE COMMON.

PROFESSIONAL GEOLOGIST
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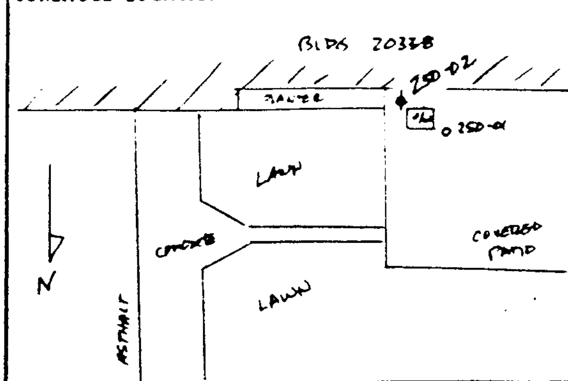
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project:	KAFB Stage 2B
Borehole/Well No:	ST-250-02
Job No:	2A56
Logged By:	J. Pavletich
Edited By:	JP
Project Manager:	K. Walker
Drill Rig:	Geoprobe
Drilling Contractor:	BRE
Driller/Helper:	B. Wolfe / S. CAMP
Drilling Method:	Geoprobe Construction Method Code = (V) (driven), HA = Hand Augered
Sample Method:	LARGE BORE SAMPLER
Hammer Weight/Drop:	NA
Borehole Diameter:	1.375"
Started, Time:	1350 Date: 5-6-94
Completed, Time:	1530 Date: 5-6-94

Notes:

BACKGROUND γ = 9 μR/HR

HNu/FID	0.25/25					
β-γ (cpm)	40-60					
Time	1355					
Date	5-6-94					

Total Depth: 15 FT	Casing Depth:
Screened Interval:	
Sand Pack, #3:	#0:
Well Development Method:	
Time: Date:	Flow Rate:
Geophysical Logs, Type:	
By:	Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
	4' 12"	↓	8"	3	6					START	0–1			CONCRETE 0"-3" SILTY SAND (SM) BROWN (10YR 6/4) MOIST, MED. DENSE, LOW EST IK, VFG SUBANG. SAND. 15-20% SILT, 5-10% FG 1-2% MG. CALICHE PATCHES TO 3mm ϕ
											2			
											3			
										STOP / START	4–5			
		↓	12	6							5–6			4.5 SAND (SP) BROWN (10YR 5/6) MOIST, MED DENSE, LOW EST IK, VFG SUBANG SAND 5% SILT, 5-10% FG. OCCAS. SUBANG PEBBLES TO 5mm ϕ
											7			
KAFB-ST250-02-0813 KAFB-ST250-FR-0813		↓	24	22	6	0/25 βγ: 60-140cpm	SVOC, SVOC, HOLD	FID, FID-R, Hg pH	MOIST	STOP / START	8–10			8.5' SILTY SAND (SM) BROWN (10YR 4/6) MOIST, MED DENSE LOW EST IK, VFG SUBANG SAND. 5% CLAY, 20-25% SILT, 5-10% FG. 5% MG. WEATHERED BASALT GRAVEL.

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No: KAFB 2B 2A56 | Borehole/Well No: SS 250-02

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Record	Sample Cond.	HNu/FID	Analysis		Lithology Code	USCS	Depth (ft)	Recovery	Contact
			36	21	G						11		
						0/1.5	METHOD	Hy PH	MOIST-R		12		11.9' GRAVEL AT ~12'
						58-60	VOC	EPA		GVL			12.5 SAND (SP) BROWN (10YR 4/6) MOIST, BROWN, LOOSE-MED.
							VOC	EPA	R	SDNF	13		FST 1E, VFG SUBANG SAND, 5-10% SILT, 5% FG.
SS-250-02			24	20	G	0/2.5				SDNF			13.25' SILTY SAND (SM) BROWN (10YR 4/4) MOIST, MED-DENSE
12/15						58-60	VOC	EPA			14		LOW FST 1E, VFG SUBANG SAND. 15% SILT 5-10% FG 1% MG.
							METHOD	Hy PH	MOIST		15	1.9	WEATHERED BIOTITE COMMON.
											16		
											17		
											18		
											19		
											20		
											1		
											2		
											3		
											4		
											5		
											6		
											7		
											8		
											9		
											0		

PROFESSIONAL GEOLOGIST
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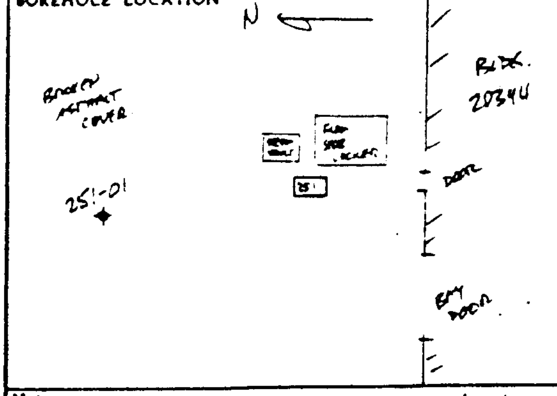
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: ST-251-01
	Job No: 2A56
Logged By: J. Pavletich	Edited By: JP
Project Manager: K. Walter	Drill Rig: Geoprobe
Drilling Contractor: BDE	
Driller/Helper: B. Wolfe / S. CAMP	
Drilling Method: Geoprobe	Construction Method Code = V (driven), HA = Hand Augered
Sample Method: LARGE-BORE SAMPLER	
Hammer Weight/Drop: N.A.	Borehole Diameter: 1.375"
Started, Time: 1300	Date: 5-10-94
Completed, Time: 1400	Date: 5-10-94

Notes: SAMPLE DEPTHS 5', 10'

BACKGROUND γ = 9

HNu/FID	1/225				
β-γ (cpm)	60-100				
Time	1309				
Date	5-10-94				

Total Depth: 13 FT. Casing Depth:
Screened Interval:
Sand Pack, #3: #0:
Well Development Method:
Time: Date: Flow Rate:
Geophysical Logs, Type:
By: Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
										SDW-SP-SM	0–1			SAND (SP) BROWN (7.5YR 5/6) MOIST, MED DENSE LOW-MOD EST. IK, VFG-FG SUBANG SAND ≤5% SILT, 5-10% MG. 2-3% CG-VCG. OCCAS SUBRND PEBBLES TO 20mm Ø
										SM	4		?---?	4'? SILTY SAND (SM) BROWN (10YR 8/4) MOIST, MED. DENSE LOW EST. IK VFG SUBANG SAND. 20-30% SILT, ≤10% FG. 1-2% MG. STAINED W/ CALICHE
KAFB-ST251-01 0507			24	18	6	BD=20; HD; γ=9	SVOC; VOC; METALS, Hg, pH	BTEX; BTEX; MOIST.		SM	6			SILTY SAND (SM) BROWN (7.5YR 5/6) MOIST. MED DENSE, LOW EST IK, VFG SUBANG SAND. 5-10% CLAY, 20-25% SILT, 15-20% FG. 2-5% MG, CALICHE PATCHES TO 3mm Ø
											10			

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No. KAFB 2B 2AS6

Borehole/Well No.: ST-257-01

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/PID	Analysis		Lithology Code	(USCS)	Depth (ft)	Recovery	Contact	Notes
		↓	36	24	4									SILTY SAND (SM) BROWN (7.5 YR 5/6) MOIST, MED DENSE
											11			LOW EST IK, VFG SUBANG SAND. 15-20% SILT, 5% FG. 1% MG
KAFB-ST257-01 10/13						1/2 BG = 80-100 ppm 9	SVOC	8270		↓ SW-SAND				— — CONTACT DRILLER 11.5' SAND (SW) BROWN (7.5 YR 5/6) DRY, DENSE, MOD EST IK, FG-MG SUBANG SAND, <1% SILT, 5-10% VFG, 10-20%
							VOC	8260			12			CG. 5-10% VCG
							METALS, Hg, pH, MOIST.			↓				— — 13' SILTY CLAY (ML) BROWN (7.5 YR 4/6) MOIST, MED. STIFF
										SCL	13			LOW EST IK, 20-25% SILT, 5% VFG.
											14			
											15			
											6			
											7			
											8			
											9			
											0			
											1			
											2			
											3			
											4			
											5			
											6			
											7			
											8			
											9			
											0			

PROFESSIONAL GEOLOGIST
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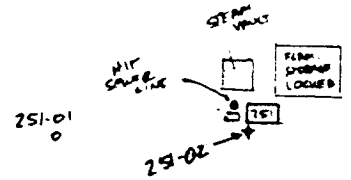
Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: SS-251-02
	Job No: 2A56
Logged By: J. Pavlotich	Edited By: JP
Project Manager: K. Walter	Drill Rig: Geoprobe
Drilling Contractor: BJTE	
Driller/Helper: B. Wolfe / S. CAMP	
Drilling Method: Geoprobe Construction Method Code = N (driven), HA = Hand Augered	
Sample Method: LARGE - BORE SAMPLER	
Hammer Weight/Drop: NA	Borehole Diameter: 1.375'
Started, Time: 1455	Date: 5-10-94
Completed, Time: 1700	Date: 5-10-94

Notes:

BACKGROUND = 9 uR/HR

HNu/PID	1/1						
β-γ (cpm)	20-40						
Time	1454						
Date	5-10-94						

Total Depth: 12 FT | Casing Depth:

Screened Interval:

Sand Pack, #3: #0:

Well Development Method:

Time: Date: Flow Rate:

Geophysical Logs, Type:

By: Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/PID Reading	Analysis		Lithology Code	Depth in Feet	Recovery / Sample Loc.	Context	LITHOLOGIC DESCRIPTIONS
										STIFF SOIL			0"-2" ASPHALT
											1		SAND (SP) BROWN (7.5YR 5/6) MOIST, MED DENSE
													LOW PLAS. EST. 1% VFG-FG SUBANG SAND. 5% SILT, 5-10% MG
											2		2-3% CG-VCG ROCKS. SUBRND-RND PEBBLES TO 25mm Ø
													NOTE: HIT SEWER LINE AT ~3.5'
											3		
											4		
										SOFT			
											5		4'? SILTY SAND (SM) TAN (10YR 8/3) MOIST, MED DENSE
KAFB-SS25102 0510			24	22	6								LOW EST 1% VFG SUBANG. SAND. 20-30% SILT. 5-10% FG
						1/1	SLOC	XMD			6		HEAVILY STAINED W/ CALICHE
						BKGD 8-9	VOC	GMD		SOFT			6-7.5 SILTY SAND (SM) BROWN (7.5YR 5/6) MOIST MED. DENSE
							NONE	4 pH MOIST.			7		LOW EST 1% VFG. SUBANG. SAND, 20% SILT, 10% FG, 1-2% MG.
													OCCAS. SUBANG. PEBBLES TO 3mm Ø
											8		
											9		
										STIFF SOIL			
											10		

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56

Borehole / Well No.: ST-251-02

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/PID	Analysis		Lithology Code	SDFN-SDHD	Depth (ft)	Recovery	Contact
KAFB-ST251-02 10/12		↓	24	22	G	BT-0.0, 2.9	SVOC	8270		SDAR	11		
							VOC	8260					
							METALS, Hg, pH, MOIST.				12		
										SDLL	13		

9'? SAND (SW) BROWN (7.5YR 5/6) MOIST MED DENSE LOW EST IK, FG-MG SUBANG SAND. 5% SILT. 10% VFG. 15% CG. 5-10% SUBANG-SUBRND PEBBLES TO 15mm ϕ, COARSENING W/ DEPTH

SANDY GRAVEL (GP) BROWN (7.5YR 7/4) DRY, DENSE MOD. EST. IK, SUBRND PEBBLES TO 20mm ϕ, <5% SILT & VFG, 20-25% FG-MG, 20% CG-VCG

11.9' CLAYEY SAND (SC) BROWN (7.5YR 4/6) MOIST, MED DENSE, LOW EST IK, VFG SUBANG SAND 15-20% CLAY, 20-25% SILT, 5-10% FG.

PROFESSIONAL GEOLOGIST
JOSEPH P. PAVLETICH
PG-1930
WYOMING

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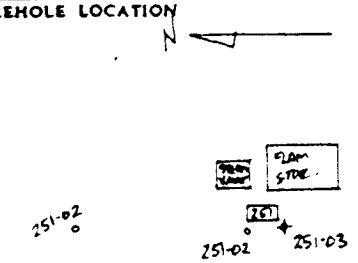
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: SS 251-03
	Job No: 2AS6
Logged By: J. Pavletich	Edited By: JP
Project Manager: K. Walter	Drill Rig: Geoprobe
Drilling Contractor: BOE	
Driller/Helper: B. Wolfe / S. CAMP	
Drilling Method: Geoprobe Construction Method Code - V (driven), HA = Hand Augered	
Sample Method: LACHE - BOZE SAMPLER	
Hammer Weight/Drop: N.A.	Borehole Diameter: 1.375"
Started, Time: 1700	Date: 5-10-94
Completed, Time: 1730	Date:

Notes:

BACKGROUND 8< 9 MR/HR

HNu/PID	1/1					
β-γ (cpm)	40-80					
Time	1700					
Date	5-10-94					

Total Depth: 12 FT — Casing Depth:

Screened Interval:

Sand Pack, #3: #0:

Well Development Method:

Time: Date: Flow Rate:

Geophysical Logs, Type:

By: Date:

Sample ID	Sampler Type / depth	Blows / 6 inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/PID Reading	Analyses		Lithology Code	Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
										SURF. SAND			0-2" ASPHALT
										1			SAND (SP) BROWN (7.5YR 5/6) MOIST, MED. DENSE
													LOW-MOD. EST. IK, VFG-FG SUBANG SAND, 5% SILT, 5-10% MG,
										2			2-3% CG-VCG
										3			
										4			
										STSL			4'? SILTY SAND (SM) YELLOW BROWN (10YR 6/4) MOIST, MED.
KAFB-SS251-03 0502			24	21	G	1/1 BZ-40-80 B-B	SIEVE	DRY		5			DENSE, LOW EST IK, VFG SUBANG. SAND 15-20% SILT,
							VOC	GRO		6			5-10% FG, 1-2% MG,
							METALS	Hg PH	MOIST				
										7			COLOR CHANGE TO DARK YEL. BROWN (10YR 5/4) @ 7 FT
										8			
										9			
										SOWF			
										10			

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56 | Borehole/Well No.: ST 251-03

Notes:

Sample ID	Sampler Type	Blows / 6 inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/PID	Analysis		Laboratory Code	(Stick)	Depth (ft)	Recovery	Contact
KAFB-ST251-03 10/12			24	19	G	1/1 64=20-40 2-9	SVOC VOC METALS	DOD GRID Hg PH	MOIST	SLOPE SEDIMENT SURF	11 12 13 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0		

9'? SAND (SP) BROWN (10YR 5/6) MOIST, MED DENSE, LOW EST. IL, VFG SUBANG SAND 5% SILT, 5% FG, 1% MG, 1% CG

10.75' SAND (SW) BROWN (10YR 5/6) DRY, DENSE, MOD EST. IL, CG-VCG SUBANG, SAND, <1% SILT & VFG, 5% FG, 15-20% MG, WEATHERED BIOTITE COMMON.

11.75' SAND (SP) BROWN (10YR 5/6) MOIST, MED DENSE LOW EST IL, VFG SUBANG SAND <1% SILT, 5-10% FG, 1-2% MG.

PROFESSIONAL GEOLOGIST
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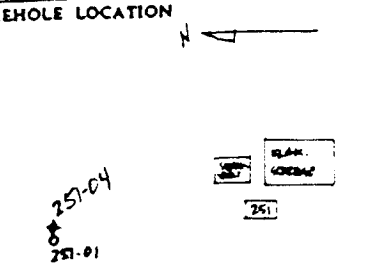
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: ST 251-04
	Job No: 2A56
Logged By: J. Pavletich	Edited By: JP
Project Manager: K. Waker	Drill Rig: Geoprobe
Drilling Contractor: BRC	
Driller/Helper: B. Wolfe	
Drilling Method: Geoprobe Construction Method Code: V (driven), HA = Hand Augered	
Sample Method: LARGE-BORE SAMPLER	
Hammer Weight/Drop: N.A.	Borehole Diameter: 1.375"
Started, Time: 0950	Date: 7-6-99
Completed, Time: 1115	Date: 7-6-99

Notes: THIS BORING TO COLLECT SHOC/TCA SAMPLES ADJACENT TO ORIGINAL BORING ST 251-01
NO DVA USED TODAY
5' 10"
BACKGROUND > 0-9 uR/HR

HNu/PID	0.2/-													
β-γ (cpm)	80-120													
Time	1000													
Date	7-6-99													

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/PID Reading	Analytes		Lithology Code	Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
			6	4	G	0.2/- ST-60-120	X-ray			1			ASPHALT 0-3"
										2			SILTY SAND (SM) STRONG BROWN (7.5YR 4/6) MOIST, MED. DENSE, LOW-MED. EST. IR, VFG SUBANG SAND. 5-10% CLAY, 15-25% SILT 5-10% FG. 2-5% MG. 1% CG. ACCAS. SUBANG-SUBRND PEBBLES TO 3mm D. MOTTLED & STAINED W/ CALICHE
										3			
										4			
KAFB-ST251-04 0.5'			24	14	G	0.2/- ST-60-110	X-RAY	SHRC DTRO		5			4'? SILTY SAND (SM) REDDISH YELLOW (7.5YR 6/6) MOIST, MED. DENSE, LOW-MED. EST IR, VFG SUBANG SAND. 10-15% SILT 5-10% FG. 2-3% MG. 1% CG. ACCAS. SUBRND PEBBLES TO 10mm D HEAVILY CALICHE STR. MED 6.25-6.50 FT.
										6			
										7			
										8			
										9			
										10			

Total Depth: 12 FT | Casing Depth:
Screened Interval:
Sand Pack, #3: #0:
Well Development Method:
Time: Date: Flow Rate:
Geophysical Logs, Type:
By: Date:

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56 | Borehole/Well No.: SB 231-04

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/PID	Analysis		Lithology Code	(GWT)	Depth (ft)	Recovery	Contact	
KAFB-SB231-04 10/12			24	21	G	0/-/- 58-80-100 2.10	SVOC	DRO		SURF	11 12 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0			4.7' SILTY SAND (SM) DARK YELLOWISH BROWN (10YR 4/6) MOIST, MED DENSE LOW EST. IX. VFG-FG SUBANG. SAND. 10-15% SILT 2.3% MG. 2.3% CG. 10.75 GRAVELLY SAND (SW) DARK YELLOWISH BROWN (10YR 4/6) MOIST, MED. DENSE, MOD-HIGH EST IX. MG SUBANG. SAND. 5-10% SILT 5-10% VFG 5-10% FG. 10-15% CG. 10-20%. SUBANG - SUBRND PEBBLES. TO 15 mm Ø 11.75 GRAVELLY SAND (SW) DARK YELLOWISH BROWN (10YR 4/6) MOIST, MED. DENSE. MOD EST. IX. VFG-FG SUBANG SAND. 5-10% SILT, 5-10% MG 10-20% SUBANG. GRAVEL TO 4 mm Ø

PROFESSIONAL GEOLOGIST
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WYOMING

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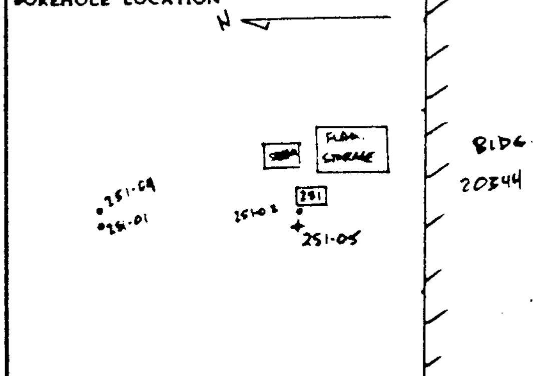
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: ST251-05
	Job No: 2A56
Logged By: J. Pavletich	Edited By: JP
Project Manager: K. Walker	Drill Rig: Geoprobe
Drilling Contractor: BEE	
Driller/Helper: B. Wolfe	
Drilling Method: Geoprobe Construction Method Code: ✓V (driven), HA = Hand Augered	
Sample Method: LARGE BORE SAMPLER	
Hammer Weight/Drop: N.A.	Borehole Diameter: 1.375"
Started, Time: 1145	Date: 7-6-94
Completed, Time: 1300	Date: 7-6-94

Notes: THIS BORING DRILLED TO COLLECT SVOC, [illegible] SAMPLES ADJACENT TO ORIGINAL BORING ST251-02

BACKGROUND γ ~ 9 μR/HR

HNu/FID	0.2/3				
β-γ (cpm)	80-120				
Time	1145				
Date	7-6-94				

Total Depth: 12 FT	Casing Depth:
Screened Interval:	
Sand Pack, #3:	#0:
Well Development Method:	
Time: Date:	Flow Rate:
Geophysical Logs, Type:	
By:	Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses	Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
		↓	6	5	4	0.2/3.5 βγ-80-120 γ-11			SM				ASPHALT 0-4"
										1			SILTY SAND (SM) YELLOWISH BROWN (10YR 5/4) MOIST, MED DENSE LOW EST. IK. VFG-FG SUBANG SAND. 5-10% CLAY, 20-25% SILT, 2-3% MG, 1-2% CG, [illegible] SUBANG SUBROUND PEBBLES TO 5mm Ø. CALICHE STAINED AT 1.6 FT
										2			
										3			
										4			HEAVY CALICHE STAINED 5-5.5 FT.
KAFB-ST251-05 05 07		↓	24	22	4	0.2/4.5 (1.5-6.0) βγ-80-120 γ-10	SVOC DRO		↓	5			
										6			6.75 SILTY SAND (SM) STRONG BROWN (7.5YR 5/6) MOIST, MED. DENSE, LOW-MED. EST IK, VFG-FG SUBANG SAND, 10-15% SILT, 2-3% MG, 2-3% CG, 1-3% SUBANG PEBBLES TO 3mm Ø
									SP/SC	7			
										8			
									SW/SP-SM	9			
									↓	10			

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56

Borehole/Well No.: ST251-05

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/FID	Analysis		Lithology Code	(SOAP SPAN)	Depth (ft)
KAFB ST251-05 10/12		↓	24	20	4	OE/4.5-5 (Back ND) ETr 100-12.5 Y.1D	SVOC	DRO		↓ SDST ↓ SDSL	11–12

Notes:

9'ft SAND (SP) DK YELLOWISH BROWN (10YR 4/6) MOIST. MED. DENSE MED. EST. K. VFG-FG SUBANG. SAND. 5-10% SILT 5-10% MS. + [illegible]

10.75 GRAVELLY SAND (SW) DARK YELLOWISH BROWN (10YR 4/6) MOIST. MED. DENSE, MED-HIGH EST. K, MG SUBANG. SAND. 2-5% SILT 2-5% VFG 2-5% FG. 5-15% SUBANG-SUBRND PEBBLES TO 10mm Φ RARE PEBBLES TO 20mm Φ.

11.75' SILTY SAND/(SM) STRONG BROWN (7.5YR 5/6) MOIST MED. DENSE, LOW EST. VFG SUBANG SAND, 5-10% CLAY. 15-20% SILT.

PROFESSIONAL GEOLOGIST
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WYOMING

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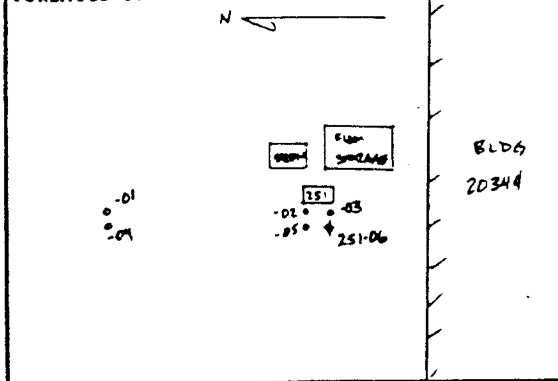
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: ST251-06
	Job No: 2A56
Logged By: J. Pavletich	Edited By:
Project Manager: K. Walter	Drill Rig: Geoprobe
Drilling Contractor: BRE	
Driller/Helper: B. Wolfe	
Drilling Method: Geoprobe Construction Method Code: V (driven), HA = Hand Augered	
Sample Method: LARGE BORE SAMPLER	
Hammer Weight/Drop: N.A	Borehole Diameter: 1.375'
Started, Time: 1300	Date: 7-6-94
Completed, Time: 1400	Date: 7-6-94

Notes: THIS BORING DRILLED TO COLLECT SVOC & DRO SAMPLES ADJACENT TO ORIGINAL BORING ST251-03

5', 10' BACKGROUND 8-10 µR/HR

HNu/FID	0/5					
β-γ (cpm)	60-100					
Time	1300					
Date	7-6-94					

Total Depth: 12 FT	Casing Depth:
Screened Interval:	
Sand Pack, #3:	#0:
Well Development Method:	
Time: Date:	Flow Rate:
Geophysical Logs, Type:	
By:	Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
		↓	6	6	G	0/5 βγ=60-80 γ:10				SDCL	0–1	X		ASPHALT 0-5" CLAYEY SAND (SC) YELLOWISH BROWN (10YR 5/6) MOIST MED DENSE. VFG SUBANG SAND 10-20% CLAY, 15-20% SILT, 1-2% MG.
										↓	1–4			
										SDSL	4–5		?	4'? SILTY SAND (SM) STRONG BROWN (7.5YR 5/6) MOIST, MED. DENSE, LOW EST. IK, VFG-FG SUBANG. SAND. 2-3% CLAY, 10-15% SILT 2-3% MG, OCCAS. SUBANG PEBBLES TO 3mm ⌀
KAFB-ST251-06 0507		↓	24	18	G	0/5.5 (BKG) βγ=100-120 γ:9	SVOC DRO			↓	5–7	X ▮ X		
										SDCL	6.75–9			6.75 CLAYEY SAND (SC) STRONG BROWN (7.5YR 5/6) MOIST, MED DENSE LOW EST. IK. FG SUBANG. SAND. 10-20% CLAY, 5-10% SILT, 10-15% VFG, 2-3% MG. 5-10% CG. 5-10%. SUBANG PEBBLES TO 4mm ⌀
										SDNF ↓	9–10		?	

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56

Borehole/Well No.: SS251-06

Notes:

Sample ID	Sampler Type	Blows / 6 inch	Inches Driven	Inches Recv'd	Sample Cond.	HNu/PID	Analysis		Lithology Code	(cont.)	Depth (ft)	Recovery	Contact
KAB-SS251-06 10'12			24	20	G	0/0 (BGA) 40/100 RED 2'10	SIDE	DILO			11 12 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0		

9'7 SAND (SP) STRONG BROWN (10YR 5/6) MOIST MED DENSE MOD SRT.

12. VFG SUBANG SAND. 2-3% SLT. 10-20% FG. 2-3% MG. 1-2% CG. ABUNDANT WEATHERED BIOTITE

5-10% SUBANG - SUBRND PEBBLES TO 10mm @ AT 11.25'

PROFESSIONAL GEOLOGIST
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WYOMING

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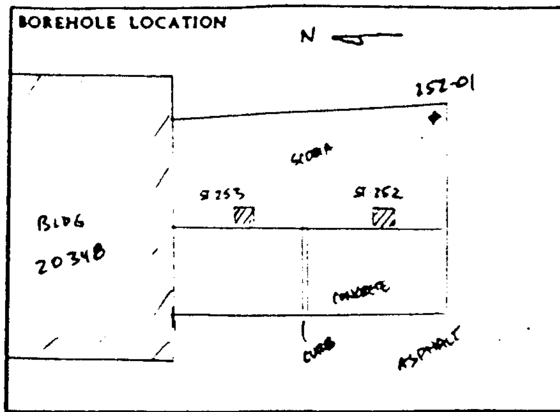
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project:	KAFB Stage 2B
Borehole/Well No:	ST-252-01
Job No:	2A56
Logged By:	J. Pavletich
Edited By:	JP
Project Manager:	K. Walker
Drill Rig:	Geoprobe
Drilling Contractor:	BOE
Driller/Helper:	B. Wolfe / S. Camp
Drilling Method:	Geoprobe — Construction Method Code = V (driven), HA = Hand Augered
Sample Method:	LARGE-BORE SAMPLER
Hammer Weight/Drop:	NA
Borehole Diameter:	1.375"
Started, Time:	0915 — Date: 5-9-94
Completed, Time:	1012 — Date: 5-9-94

Notes: 1.5, 6.5 / 2' 7'

BACKGROUND 8 - 8 µR/HR

HNu/PID	0.25/2.5				
β-γ (cpm)	40-60				
Time	0924				
Date	5-9-94				

PROFESSIONAL GEOLOGIST — JOSEPH P. PAVLETICH — PG-1990 — WYOMING (stamp, signed)

Total Depth:	9 FT
Casing Depth:	
Screened Interval:	
Sand Pack, #:	
Seal, #:	
Well Development Method:	
Time:	Date:
Geophysical Logs, Type:	
By:	Date:

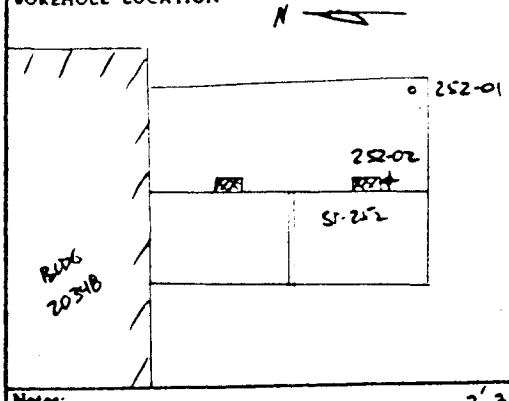
Sample ID	Sampler Type / depth	Blows / 6 inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/PID Reading	Analyses		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
										SM	0–1			0-2" SCORIA LANDSCAPING ROCK; 2"-5" ASPHALT
											1–2			SILTY SAND (SM) BROWN (7.5YR 6/3) DRY, MED DENSE LOW EST IL, FG SUBANG. SAND, 5% CLAY, 15% SILT, 15% VFG. 10% MG 5-10% MG. OCCAS. SUBRND PEBBLES TO 7mm Ø
KAFB-ST252-01 0204		↓	24	19	6	0.25/2.5 β-γ 40-60 cpm γ=9	SVOC / VOC / METALS	TOD / GRO / Hg pH MOIST		SM	2–4			2' SILTY SAND (SM) LT PINK (7.5YR 8/4) DRY, MED DENSE LOW EST IL, VFG SUBANG, 20-30% SILT, 5-10% FG. OCCAS. RND PEBBLES 4-5mm Ø
		↓	12	9	6					SM	4–7			4.5' SILTY SAND (SM) LT BROWN (10YR 7/4) DRY, MED DENSE LOW EST. IL, VFG-FG SUBANG, SAND, 30% SILT, 5-10% MG. 1-2% CG. MOTTLED W/ CALICHE. COLOR CHANGE TO 7.5YR 6/6 at 5.75
KAFB-ST252-01 0709		↓	24	19	6	0.5/2.5 β-γ 40-60 cpm γ=9	SVOC / VOC / METALS	TOD / GRO / Hg pH MOIST		SP	7–9			OCCAS SUBANG. GRAVEL to 15mm Ø at 8.5'
											9–10			8.5' SAND (SP) BROWN (7.5YR 4/6) MOIST, MED. DENSE, MOD. EST IK, VFG. SUBANG. SAND, 5% SILT, 10% FG, 1-2% MG.

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG

Page 1 of 1

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: ST-252-02
	Job No: 2A56
Logged By: J. Pavletich	Edited By: JP
Project Manager: K. Walker	Drill Rig: Geoprobe
Drilling Contractor: BJE	
Driller/Helper: B. Wolfe / S. Camp	
Drilling Method: Geoprobe Construction Method Code = V (driven), HA = Hand Augered	
Sample Method: LARGE-BORE SAMPLER	
Hammer Weight/Drop: N A	Borehole Diameter: 1.375'
Started, Time: 1020	Date: 5-9-94
Completed, Time: 1119	Date: 5-9-94

Notes: 2', 7'

BACKGROUND γ = 8 uR/HR

HNu/PID	0.5/1.0						
β-γ (cpm)	20-40						
Time	1020						
Date	5-9-94						

Total Depth: 10 FT

Screened Interval:

Sand Pack, #3:

Well Development Method:

Time: Date:

Geophysical Logs, Type:

By:

Sample ID	Sampler Type / depth	Blows / 6 inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/PID Reading	Analysis		Lithology Code	Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
KAFB ST252-02 0020			24	22	G	1.0/1.0	SVOC	DOD		1			0"-2" SCORIA LANDSCAPING ROCK; 2"-5" ASPHALT
							VOC	GRO					SAND (SW) DRK BROWN (7.5YR 5/4) DRY, LOOSE, LOW EST. IK, FG-MG SUBANG. SAND, 5% SLT, 10-15% CG, 10-15% CG, 2-5% VCG. SCORIA. SUBANG. PEBBLES TO 15mm ϕ
							PEST	HERB	PEST	3			2.5' SILTY SAND (SM) PINK (7.5YR 7/4) DRY, MED. DENSE LOW EST IK, 1 FG, SUBANG. SAND, 20-30% SLT, 10-15% FG, 2-5% MG, MOTTLED W/ CALCITE
										4			3.75' SAND (SP) BROWN (5YR 6/4) DRY, MED. DENSE, LOW EST IK, VFG. SUBANG. SAND, 10-15% FG, MOTTLED W/ CALCITE, STAINED RED-ORANGE AT 5'
			6	6	G					5			4.75' SILTY SAND (SM) BROWN (7.5YR 6/6) MOIST, MED. DENSE LOW EST. IK VFG. SUBANG. SAND 20-30% SLT, 10-15% MG 1-2% MG 1-2% CG STAINED W/ CALCITE + RED (FE2O3)
										7		?	7'? SAND (SW) BROWN (7.5YR 5/8) MOIST. MED. DENSE, LOW EST. IK, VFG. SUBANG. SAND, 5% SLT, 10% FG, 5-10% MG, 1-2% CG, MOSTLY SUBANG. SCORIA PEBBLES AT 9-9.5'
KAFB ST252-02 0210			36	21	G	15.0/15.0	SVOC	DRO		9			9.5' SAND (SP) BROWN (10YR 4/6) MOIST, MED. DENSE, LOW EST IK, 1FG. SUBANG. SAND, 5% SLT, 5% FG. 1-2% MG CG, ROCK. SUBANG PEBBLES TO 10mm ϕ
							TPH	GRO					
							MOISTURE	Hg#	MOIST	10			

PROFESSIONAL GEOLOGIST JOSEPH P. PAVLETICH PG-1990 WYOMING

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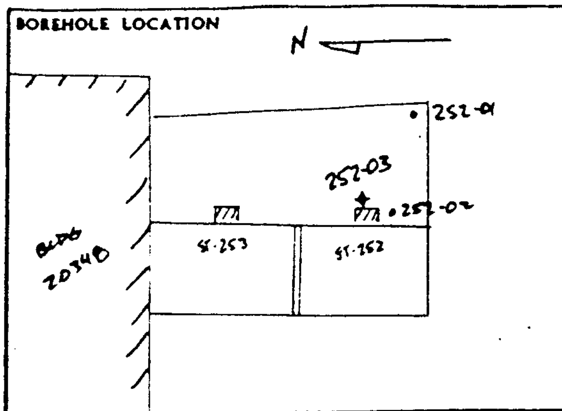
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B		Borehole/Well No: ST-252-03	
		Job No: 2A56	
Logged By: J. Pavletich		Edited By: JP	
Project Manager: K. Walker		Drill Rig: Geoprobe	
Drilling Contractor: BBE			
Driller/Helper: B. Wolfe / S. Camp			
Drilling Method: Geoprobe	Construction Method Code = V (driven), HA = Hand Augered		
Sample Method: LARGE-BORE SAMPLER			
Hammer Weight/Drop: N.A.		Borehole Diameter: 1.375"	
Started, Time: 1120		Date: 5-9-94	
Completed, Time: 1205		Date: 5-9-94	

Notes: BACKGROUND 8-9 µR/HR

HNu/FID	1/1				
β-γ (cpm)	20-40				
Time	1130				
Date	5-9-94				

Total Depth: 10 FT
Casing Depth:
Screened Interval:
Sand Pack, #:
Well Development Method:
Time: Date: Flow Rate:
Geophysical Logs, Type:
By: Date:

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Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses		Lithology Code		Depth in Feet	LITHOLOGIC DESCRIPTIONS
										SPAN-SAND		0"-2" SCORIA LANDSCAPE ROCK
											1	SAND (SW) DARK BROWN (7.5YR 5/4) DRY, LOOSE, LOW EST IK, FG-MG SUBANG SAND, 5% SILT 10-15% VFG, 10-15% CG, 2-5% VCG, RCKS SUBANG PEBBLES TO 15mm ϕ
KAFB-ST252-03 02.0'		↓	24	22	6	1/1 β-γ 20-40 8-9				SM	2	1.5' SILTY SAND (SM) LT. RED. BROWN (5YR 6/4) MOIST, MED DENSE LOW EST. IK, VFG SUBANG SAND, 20-30% SILT, 5-10% FG, 1-2% MG
											3	@3' COLOR CHANGE TO PINK-WHITE (7.5YR 7/4) DUE TO HEAVY CALICHE STAINING
										SM	4	
		↓	6	6	7						5	4.5' SILTY SAND (SM) BROWN (7.5YR 5/6) MOIST, MED DENSE LOW EST IK. VFG SUBANG SAND, 15-20% SILT, 10-15% FG, 2-3% MG. 1% SUBANG PEBBLES TO 4mm ϕ
											6	
KAFB-ST-252-03 09.0'		↓	36	22	6	1/1 β-γ 40-60 8-9	SOIL VOC METALS	TPD GC 8/PA	MOIST	SP/SW	7	6.5' SAND (SW) BROWN (7.5YR 5/6) DRY, DENSE MOD. EST IK, CG SUBANG. SAND, 1-2% VFG, 2-5% FG, 5-10% MG, 10-20% CG WEATHERED BIOTITE COMMON.
										SP	8	9.25 SAND (SP) BROWN (7.5YR 5/6) MOIST, MED DENSE, LOW EST IK VFG SUBANG. SAND, 5% SILT 10-20% FG
										SP	9	
											10	

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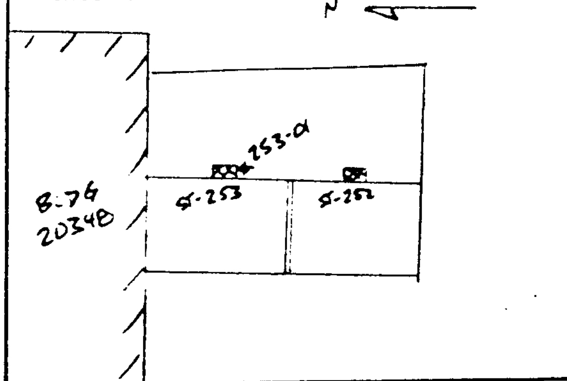
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Field	Value	Field	Value
Project:	KAFB Stage 2B	Borehole/Well No:	ST-253-01
		Job No:	2A56
Logged By:	J. Pavletich	Edited By:	
Project Manager:	K. Walker	Drill Rig:	Geoprobe
Drilling Contractor:	BRE		
Driller/Helper:	B. Wolfe / S. CAMP		
Drilling Method:	Geoprobe Construction Method Code = V (driven), HA = Hand Augered		
Sample Method:	LARGE BORE SAMPLER		
Hammer Weight/Drop:	NA	Borehole Diameter:	1.375"
Started, Time:	1220	Date:	5-9-94
Completed, Time:	1319	Date:	5-9-94

Notes:

BACKGROUND γ = 10 μR/HR

HNu/FID	0.0/1			
β-γ (cpm)	60-80			
Time	1210			
Date	5-9-94			

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Total Depth: 9 ft
Casing Depth:
Screened Interval:
Sand Pack, ft:
Well Development Method:
Time: Date:
Geophysical Logs, Type:
By: Date:

Sample ID	Sampler Type / depth	Blows / 6 inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
										SDAN SDAN	0–1			0"-2' SCORIA LANDSCAPE ROCK
										↓ SDAF	1–2			SAND (SM) DARK BROWN (7.5YR 5/4) DRY, LOOSE, LOW EST. IK, FG-MG SUBANG SAND 5% SILT, 10-15% VFG, 10-15% CG, 2-5% VCG ACCAS. SUBANG PEBBLES TO 15mm ϕ
KAFB-ST253-01-0204 / KAFB-ST253-01-0206		↓	24	22	G	1/1 BG-BG 7.8	SVOC	DBD		↓	2–3			1.5' SAND (SP) BROWN (7.5YR 6/6) MOIST, MED. DENSE, LOW EST. IK, VFG SUBANG SAND, <5% SILT, 5-10% FG, 1-2% MG
							SVOC	DBO-R		SDAF	3–4			3' SILTY SAND (SM) BROWN (7.5YR 6/6) MOIST MED. DENSE, LOW EST IK, VFG SUBANG SAND. 15% SILT, 5-10% FG. SCATTERED TO
							METALS	AgPA	MASK					CALICHE THROUGHOUT
		↓	24	21	G	1/1 BG-BG 7.0	METALS	AgPA	MOST.-R	↓	4–5			5' SAND (SP) BROWN (7.5YR 6/6) MOIST, MED. DENSE, LOW EST. IK, VFG-FG SUBANG. SAND, 5% SILT 2-5% MG. CALICHE
		↓					VOC	6DD		SDAF SDAN	5–6			PATCHES TO 3mm ϕ.
							VOC	6RO-R						
											6–7			
KAFB-ST253-01-0709		↓	24	20	G	1/1 BG-BG 7.0	SVOC	DDD		↓	7–8			8' SILTY SAND (SM) BROWN (7.5YR 5/6) MOIST, MED. DENSE, LOW EST IK, VFG-FG SUBANG. SAND 15% SILT, 2-3% MG
							VOC	6RD		SDAF	8–9			
							METALS	AgPA	MOST.	↓				
											9–10		T.D.	

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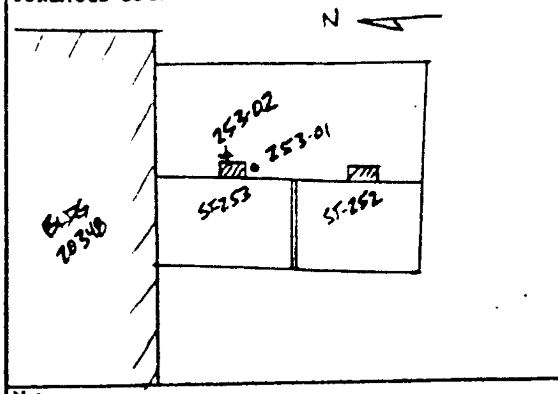
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: SS-253-02
	Job No: 2A56
Logged By: J. Pavletich	Edited By: JP
Project Manager: K. Walker	Drill Rig: Geoprobe
Drilling Contractor: BDE	
Driller/Helper: B. Wolfe / S. CAMP	
Drilling Method: Geoprobe Construction Method Code = (V) (driven), HA = Hand Augered	
Sample Method: LARGE BORE SAMPLER	
Hammer Weight/Drop: N.A.	Borehole Diameter: 1.375"
Started, Time: 1325	Date: 5-9-94
Completed, Time: 1423	Date: 5-9-94

Notes:

BACKGROUND γ ~ 9 μR/HR

HNu/FID	0.5/1					
γ (cpm)	60-80					
Time	1320					
Date	5-9-94					

Total Depth: 14 ft
Casing Depth:
Screened Interval:
Sand Pack, #:
Well Development Method:
Time: Date: Flow Rate:
Geophysical Logs, Type:
By: Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
										SDAV SAND	0–1			0"-2" SCORIA LANDSCAPE ROCK. SAND (SW) PALE BROWN (7.5YR 5/4) DRY, LOOSE, LOW EST. IK, FG-MG SUBANG SAND. 5% SILT, 10-15% FG, 10-15% CG, 2-5% VCG. OCCAS. SUBANG. PEBBLES TO 15mm φ
KAFB-SS253-02-02		↓	24	21	G	HNu/FID = 0/1; γ = 60-80	VOC, SVOC, METALS	GRO, DRO, Hg	SP, ML	SDAV	2–4		2.5'	2.5' SILTY SAND (SM) WHITE (7.5YR 8/1) DRY, MED. DENSE, LOW EST IK, VFG-FG SUBANG SAND, 20-25% SILT, 2-5% MG. SOLID THROUGHOUT W/ CALICHE
											3.75–5		3.75'	3.75' SILTY SAND (SM) BROWN (7.5YR 7/3) MOIST, LOW EST. IK, VFG SUBANG SAND. 15-20% SILT, 15-20% FG, 1-2% MG MOTTLED W/ CALICHE
		↓	12	9	G					SDAV	5–7		5.5'	5.5' SILTY SAND (SM) BROWN (7.5YR 5/6) MOIST, MED DENSE LOW EST IK. VFG-FG SUBANG SAND, 5% CLAY, 15-20% SILT. 5-10% MG. CALICHE STRINGERS 3-5mm LONG AT 6'
		↓	36	21	P					SDAV SAND	7–10		9'?	* NOTE: SAMPLE 7-10' NOT USED BECAUSE OF ASPHALT SLOUGH AT 9.5' (SAMPLE HAD TO BE DRIVEN TWICE TO GET 3 FULL TUBES) ANOTHER SAMPLE COLLECTED AT 10'-12'. 9'? SAND (SW) BROWN (7.5YR 5/6) MOIST, MED. DENSE, LOW EST IK, VFG-FG SUBANG. SAND, 5-10% SILT, 1-5% MG, ABUND. WEATHERED BIOTITE

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56

Borehole / Well No.: SB-253-02

Notes:

Sample ID	Sampler Type	Blows / 6 inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/PID	Analysis		Laboratory Code	(SDVR SDVF)	Depth (ft)	Recovery	Contact
											11		
										SDVR-SDFN			
SB253-02-11/12			24	20	4	0.0 0.0					12		
						0.0					13		
											14		T.D.
											15		
											6		
											7		
											8		
											9		
											0		
											1		
											2		
											3		
											4		
											5		
											6		
											7		
											8		
											9		
											0		

11'-14': SAND (SP) BROWN (7.5YR 5/6) MOIST MED. DENSE, LOW EST. 1%, VFG-FG SUBANG. SAND, 2-5% SILT, 5% MG, TR OX. COAL. SUBANG. PEBBLES TO 10mm Ø WEATHERED BIOTITE COMMON.

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WYOMING

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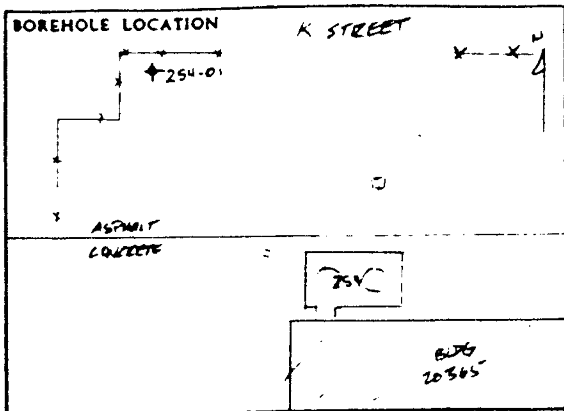
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project:	KAFB Stage 2B
Borehole/Well No:	ST254-01
Job No:	2AS6
Logged By:	J. Pavlovich
Edited By:	JP
Project Manager:	K. Walter
Drill Rig:	Geoprobe
Drilling Contractor:	BRE
Driller/Helper:	~~B. Wolfe~~ S. CAMP
Drilling Method:	Geoprobe Construction Method Code = (V) (driven), HA = Hand Augered
Sample Method:	LARGE BORE SAMPLER
Hammer Weight/Drop:	NA
Borehole Diameter:	1.375"
Started, Time:	0910
Date:	6-1-94
Completed, Time:	1019
Date:	6-1-94

Notes: 6.''

BACKGROUND β = 8 µR/HR

HNu/FID	0/4				
β-γ (cpm)	80-110				
Time	0911				
Date	6-1-94				

Total Depth:	13 FT
Casing Depth:	
Screened Interval:	
Sand Pack, #3:	#0:
Well Development Method:	
Time:	Date:	Flow Rate:
Geophysical Logs, Type:	
By:	Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses		Lithology Code		Depth in Feet
										SDSL ↓	0–1
											1–2
											2–3
											3–4
						0/3.5 β-γ 60-100 0915				SDSF SDPN	4–5
		↓	12	5	6						5–6
KAFB-ST254-01 0608		↓	24	18	6	0/3 β-γ 60-100 0919	METALS by pt PROJECT. VOC GRO SVOC DRO				6–8
										↓	8–9
		↓	12	12		0/3 β-γ 60-100 0929				SDSL ↓	9–10

LITHOLOGIC DESCRIPTIONS

ASPHALT 0-3'

SILTY SAND (SM) BROWN (7.5YR 4/4) MOIST, MED DENSE, LOW EST. IR, FG SUBANG SAND 10-20%, 20-30% SILT, 10% VFG, 2-3% MG, +3% CG.

4'? SAND (SP) YELLOWISH BROWN (10YR 5/6) MOIST LOOSE-MED DENSE LOW-MED. EST IR, VFG-FG SUBANG. SAND 5-10% SILT, 2% MG. OCCAS. ANG PEBBLES TO 15mm Φ CALICHE PATCHES TO 5mm Φ

6-8' SAME AS AT 6'

9' SILTY SAND (SM) DARK YELLOW BROWN (10YR 5/6) MOIST LOOSE-MED. DENSE, LOW EST. IR, VFG SUBANG SAND 10% CLAY 20-30% SILT. 15% FG. 1% MG - CG.

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2AS6

Borehole/Well No.: ST254-01

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Record'd	Sample Cond.	HNu/PID	Analysis		Lithology Code	(SOIL)	Depth (ft)	Recovery	Contact	Notes
											11			
KAFB-ST254-01 1113			24	17	F	0/3 RB-60-120 20.9	METALS Hg pH MOIST VOC GRO SVOC	DRO			12			12.5' SAND (SP) BROWNISH YELLOW (10YR 6/6) MOIST. LOOSE-MED. DENSE MED. BET. IK VFG SUBRND SAND. 5% SILT 10% FS. WEATHERED BIOTITE COMMON
											13		T.D.	
											14			
											5			
											6			
											7			
											8			
											9			
											0			
											1			
											2			
											3			
											4			
											5			
											6			
											7			
											8			
											9			
											0			

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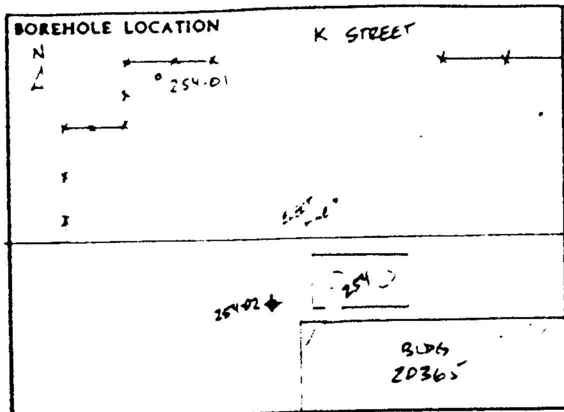
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project:	KAFB Stage 2B
Borehole/Well No:	ST254-02
Job No:	2A56
Logged By:	J. Pavletich
Edited By:	JP
Project Manager:	K. Walker
Drill Rig:	Geoprobe
Drilling Contractor:	BRE
Driller/Helper:	~~B. Wolfe~~ S. CAMP
Drilling Method:	Geoprobe Construction Method Code √V (driven), HA = Hand Augered
Sample Method:	LARGE-BORE SAMPLER
Hammer Weight/Drop:	N.A
Borehole Diameter:	1.375"
Started, Time:	1030
Date:	6-1-94
Completed, Time:	1140
Date:	6-1-94

Notes: 6"
BACKGROUND γ: 9 μR/HR

HNu/FID	0/3.5				
β-γ (cpm)	60-100				
Time	1029				
Date	6-1-94				

Total Depth:	13 FT
Casing Depth:	
Screened Interval:	
Sand Pack, #:	#:
Well Development Method:	
Time:	Date: Flow Rate:
Geophysical Logs, Type:	
By:	Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses	Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
			12	12	6	0/3.5 βγ-60-90 γ-9			5PR	0–2			CONCRETE 0-5" SILTY SAND (SM) VERY PALE BROWN (10YR 7/4) MOIST, LOOSE-MED DENSE. LOW EST. PK, VFG-FG SUBANG SAND. 5% CLAY, 20-30% SILT, STAINED W/ CALICHE
			12	12	6	0/3 βγ-80-100 γ-10			5PR	4–6		4'?	SILTY SAND (SM) LIGHT YELLOWISH BROWN (10YR 6/4) MOIST, MED DENSE LOW EST. PK, VFG-FG SUBANG. SAND. 5-10% CLAY, 20% SILT, 2% MG, 1% CG, MOTTLED W/ CALICHE
										7			MG GRAVEL AT 8' POSSIBLE BASE OF O/W SEPARATOR FILL
KAFB-ST254-02 08-09			36	20	6	0/3.5 βγ-70-80 γ-9	SHOL DRO; VOC GRO; METALS pH MOIST.		5PR SPLIT SPOON STEEL	8–10		8.25'	SAND (SP) DARK YELL-BROWN (10YR 4/6) MOIST, DENSE, LOW EST. PK, VFG-FG SUBANG. SAND. 5% CLAY, 10% SILT, 1-2% MG-CG. WEATHERED BRICK NOTED.

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2AS6

Borehole/Well No.: ST254-02

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/FID	Analysis		Lithology Code		Depth (ft)	Recovery	Contact	
			12	12	5	0/3.5 BZ: 0 AY: 40-80				SM	10–11			10' SILTY SAND (SM) DARK YEL. BROWN (10YR 4/6) MOIST, MED DENSE. LOW EST. IK, VFG SUBANG SAND. 10% CLAY, 15-20% SILT. 10% FG 1% MG WEATHERED BIOTITE COMMON
KAFB-ST254-02 1123			24	22	5	0/5.5 AY: 40-80 F-10	SVOC	TPH		SC / SM	11–13			11.4-11.5' CLAYEY SAND (SC) DARK YEL. BROWN MOIST, DENSE. LOW EST IK, VFG SUBANG SAND. 25-30% CLAY, 20-30% SILT
							VOC	GRO						SILTY SAND (SM) YELLOWISH BROWN (10YR 5/6) MOIST, MED DENSE. LOW EST IK VFG-FG SUBANG SAND 5% CLAY, 15% SILT. 1-2% MG.
							METALS	Hg pH	MOIST.		13		TD	

Depth scale: 11, 12, 13, 4, 5, 6, 7, 8, 9, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 0

PROFESSIONAL GEOLOGIST
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WYOMING

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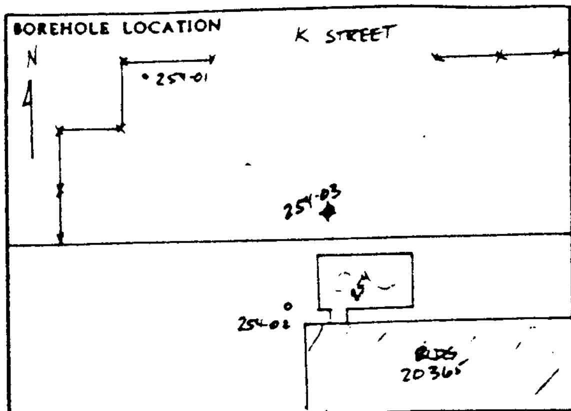
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project:	KAFB Stage 2B
Borehole/Well No:	ST254-03
Job No:	2A56
Logged By:	J. Pavletich
Edited By:	JP
Project Manager:	K. Walter
Drill Rig:	Geoprobe
Drilling Contractor:	BRE
Driller/Helper:	~~B. Wolfe~~ S. CAMP
Drilling Method:	Geoprobe Construction Method Code = N (driven), HA = Hand Augered
Sample Method:	LARGE BORE SAMPLER
Hammer Weight/Drop:	N.A.
Borehole Diameter:	1.375"
Started, Time:	1230
Date:	6-1-94
Completed, Time:	1350
Date:	6-1-94

Notes: HIT HARD OBJECT AT ~1.5' DEPTH ON FIRST ATTEMPT, MOVED ABOUT 1 FT FARTHER NORTH.

BACKGROUND β = 9 μR/HR

HNu/FID	0 / 7				
β-γ (cpm)	40-60				
Time	1250				
Date	6-1-94				

Total Depth: 13 FT		Casing Depth:	
Screened Interval:			
Sand Pack, #3:		#0:	
Well Development Method:			
Time:	Date:	Flow Rate:	
Geophysical Logs, Type:			
By:		Date:	

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
										5T/SL	0			ASPHALT 0 - 3"
														SILTY SAND (SM) LT BROWNISH GRAY (2.5YR 6/2) MOIST, LOOSE-
											1			MED. DENSE LOW EST. K, VF SUBANG SAND 5-10% CLAY, 15-20% SILT,
											2			5% MG 2% CG ANG. PEBBLES TO 5mm φ
											3			
										5T/SL	4		?	4'? SILTY SAND (SM) LT YELLOWISH BROWN (10YR 6/4) MOIST, MED DENSE
											5			LOW EST. K, VF-FG SUBANG. SAND. 5% CLAY, 10-20% SILT, 2-3% MG,
		↓	12	6	6	0/? (ppm) β-γ 80-100								1% CG, [illegible] ANG PEBBLES TO 5mm φ, STAINED & HEAVILY MOTTLED
											6			w/ CALICHE.
KAFB-ST254-03 0608		↓	24	10	6	0/? (ppm) FID β-γ 80-100	SVOC	TPH		5T/NF				6.25 SAND (SP) YELLOWISH BROWN (10YR 5/6) MOIST, MED DENSE,
							VOC	GRO			7			LOW-MOD. EST. K VFG SUBANG. SAND. 5% SILT, 10% FG. 5% MG
							METALS	Hg pH	MOIST	5T/NF				1% CG. ANG. PEBBLES TO 5mm φ CALICHE, [illegible]
											8			7.75' SAND (SP) DARK YELLOW BROWN (10YR 4/6) MOIST, MED. DENSE
														LOW EST. K, VFG SUBRND SAND, 10% SILT, 15% FG, 1-2% MG. [illegible]
											9			ANG. PEBBLES TO 5mm φ
										5T/SL	10			

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56

Borehole/Well No.: ST254-03

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/PID	Analysis		Lithology Code		Depth (ft)	Recovery	Contact
		↓	12	8	9	4'/(?) N: ND(12)				SDH ↓	11		
KAFB-ST254-03 11-13		↓	24	21	6	0/7(BAS) N: ND(12) Y: 12	SVOC 8270; VOL 8260; METALS Hg PH MOIST			SDH ↓	12, 13		TD

Notes:

10' SILTY SAND (SM) DARK YELLOW BROWN (10YR 4/6) MOIST, MED DENSE LOW EST. PL, VFG-FG SUBANG. SAND. 5-10% CLAY, 15-20% SILT. 2-5% MG WEATHERED BIOTITE COMMON

11-13' SILTY SAND SIMILAR TO 10' EXCEPT 5-10% CLAY 20-30% SALT.

PROFESSIONAL GEOLOGIST
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PG-1990
WYOMING

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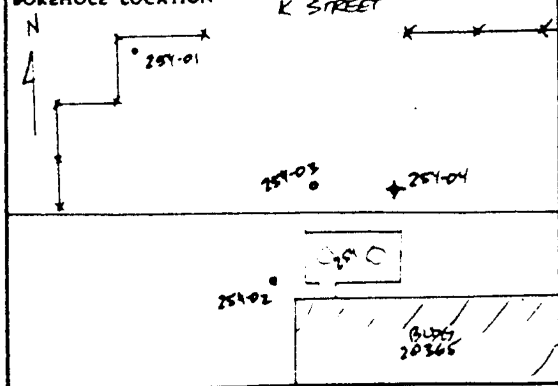
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project:	KAFB Stage 2B
Borehole/Well No:	ST254-04
Job No:	2A56
Logged By:	J. Pavletich
Edited By:	JP
Project Manager:	K. Walter
Drill Rig:	Geoprobe
Drilling Contractor:	BRE
Driller/Helper:	~~B. Wolfe~~ S. CAMP
Drilling Method:	Geoprobe Construction Method Code = V (driven), HA = Hand Augered
Sample Method:	LARGE BORE SAMPLER
Hammer Weight/Drop:	N.A.
Borehole Diameter:	1.375"
Started, Time:	1350
Date:	6-1-94
Completed, Time:	1500
Date:	6-1-94

Notes: HARD OBJECT (LEDGE OF O/W SEPARATOR) AT ABOUT 1.5-3 FT DEPTH. MOVED HOLE FARTHER NORTH.

BACKGROUND γ = 11 μR/HR

HNu/FID	0/5				
β-γ (cpm)	80-120				
Time	1353				
Date	6-1-94				

Total Depth:	15 FT
Casing Depth:	
Screened Interval:	
Sand Pack, #3:	#0:
Well Development Method:	
Time:	Date: Flow Rate:
Geophysical Logs, Type:	
By:	Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses			Lithology Code	Depth in Feet
										SDSL	0–4
						0/4 (BKG) PID/BKGND 7:10				SDVF	4–6
			12	12							5–6
KAFB-ST254-04-00/10 KAFB-ST254-94-00010			24	20	6	0/4 PZ-BO-HG 7:11	SVOC	TRPH		SDAR / STSL	6–7
							SVOC	TRPH	R		7–8
							MSMS	Hg pH	NIGER		
			24	21	6	0/25 PZ-BO-HG 7:10	METALS	Hg pH	NIGER		8–9
							VOC	GRO		SDSL	9–10
							VOC	GRO	R	SDSL	10

LITHOLOGIC DESCRIPTIONS

ASPHALT 0-3"

SILTY SAND (SM) LT BROWNISH GRAY (2.5YR 6/2) MOIST LOOSE-MED. DENSE LOW EST. IK, FG SUBANG SAND 5% CLAY, 15-20% SILT, 5% MG 2% CG OCCAS. ANG. PEBBLES TO 5mm Ø

4'? SAND (SP) YELLOWISH BROWN (10YR 5/6) MOIST, MED DENSE, LOW-MED. EST IK. VFG. SUBANG SAND <5% SILT, 15-20% FG, 1-2% MG

- SANDY GRAVEL AT 6-6.5'; POSSIBLY BASE OF O/W SEPARATOR

BACKFILL

6.5 SILTY SAND (SM) BROWN (7.5YR 5/6) MOIST, MED DENSE, LOW EST IK. VFG SUBANG. SAND. 10% CLAY 20-25% SILT, 5-10% FG 1% CG. DISPERSED BIOTITE COMMON

9' SILTY SAND (SM) DRK YEL-BRN (10YR 4/6) MOIST, MED DENSE LOW EST IK. VFG SUBANG SAND 10% CLAY 20-25% SILT, 10% FG, 10% MG 1-2% CG. OCCAS. SUBANG. PEBBLES TO 5mm Ø. WEATHERED BIOTITE COMMON

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56

Borehole/Well No.: SB54-04

Notes:

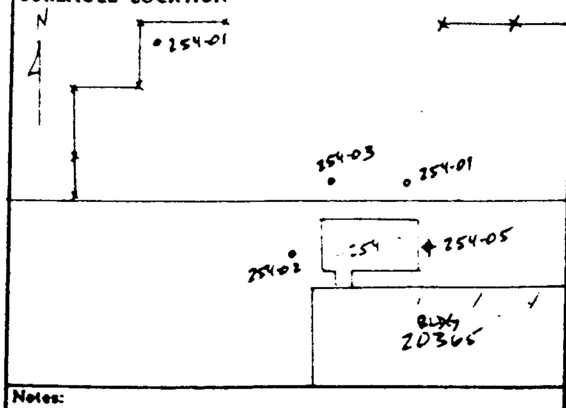
Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recv'd	Sample Cond.	HNu/PID	Analysis		Lithology Code		Depth (ft)	Recovery	Contact	
KAFB-2B54-04-111- MS/MSD										SOIL				10' SILTY SAND (SM) YELLOWISH BROWN (10YR 5/6) MOIST, MED DENSE, LOW-MOD. EST. IK, VFG-FG SUBANG. SAND 5-10% SILT, 5% MG
KAFB-2B54-04-111-			24	22	G	0/3.5	SVOC	DRO						BECOMING GRAVELLY (SUBROUND CLASTS TO 20mm+ @ 12-12.75'
						PID-0.0 ppm @ 0.0	SVOC	DRO	MS/MSD	SOIL				12.75' CLAYEY SAND (SC) DARK YELLOWISH BROWN (10YR 4/6) MOIST, DENSE, LOW EST. IK, VFG SUBANG SAND. 20% CLAY, 20-30% SILT.
							METALS	Hg	MOIST		13			NODULES CALCITE COMMON
			24	17	F	0/3.5				SOIL				13.25' SAND (SP) REDDISH YELLOW (10YR 6/6) MOIST, MED. DENSE, LOW
						PID-0.0 ppm @ 0.0	VOC	GRO	MS/MSD	SOIL	14			MED. EST. IK, VFG-FG SUBANG. SAND 5-10% SILT. 5% MG.
							VOC	GRO						14.75' SILTY SAND (SM) REDDISH YELLOW (10YR 5/6) MOIST, MED DENSE.
											15			LOW EST. IK, VFG SUBANG SAND 5-10% CLAY, 20-25% SILT, ~25% MG.
														WEATHERED BIOTITE COMMON
											6			
											7			
											8			
											9			
											0			
											1			
											2			
											3			
											4			
											5			
											6			
											7			
											8			
											9			
											0			

PROFESSIONAL GEOLOGIST
JOSEPH P. PAVLETICH
PG-1000
WYOMING

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project:	KAFB Stage 2B
Borehole/Well No:	ST254-05
Job No:	2A56
Logged By:	J. Pavletich
Edited By:	JP
Project Manager:	K. Walker
Drill Rig:	Geoprobe
Drilling Contractor:	BRE
Driller/Helper:	~~B. Wolfe~~ S. CAMP
Drilling Method:	Geoprobe Construction Method Code = (V) (driven), HA = Hand Augered
Sample Method:	LARGE BORE SAMPLER
Hammer Weight/Drop:	N.A.
Borehole Diameter:	1.375"
Started, Time:	1500 Date: 6-1-94
Completed, Time:	1605 Date: 6-1-94

Notes:

BACKFILLED 7:10, 8/HG

HNu/FID	0/3.5					
β-γ (cpm)	80-120					
Time	1500					
Date	6-1-94					

Total Depth: 13 FT
Casing Depth:
Screened Interval:
Sand Pack, #3: #0:
Well Development Method:
Time: Date: Flow Rate:
Geophysical Logs, Type:
By: Date:

Sample ID	Sampler Type / depth	Blows / 6 inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses		Lithology Code		Depth in Feet
										5T/4	0–1
										↓	1–4
										5T/4	4
			12	8	4	0/4 β-γ 80-120 7.9					5–6
KAFB-ST254-05 0620			24	18	4	0/30 β-γ 80-120 7.10	VOC / SVOC / PCBS	GRO / DRO / Hg pH	MOIST	SDNF / SDSL	6–8
										↓ SDSL	8–10

LITHOLOGIC DESCRIPTIONS

CONCRETE 0-6"

SILTY SAND (SM) LT. BROWNISH GRAY (2.5YR 6/2) MOIST, LOOSE-MED. DENSE, LOW EST. IK, FG SUBANG SAND 5-10% CLAY 15-20% SILT, 5% MG, 2% CG OCCAS. SUBROUND PEBBLES TO 10mm ϕ

4'? SILTY SAND (SM) LIGHT YELLOWISH BROWN (10YR 6/4) MOIST, MED. DENSE, LOW EST. IK, VFG-FG SUBANG. SAND, 5-10% CLAY, 20% SILT. 5% MG. 1-2% CG-VCG. OCCAS. ANG. PEBBLES TO 15mm ϕ. MOTTLED & STAINED W/ CALICHE

7' SAND (SP) LT. YELLOWISH BROWN (10YR 6/4) MOIST, MED. DENSE LOW EST. IK. VFG SUBANG. SAND. 5-10% SILT, 15-20% FG. 1-2% MG-CG.

7.75' SILTY SAND (SM) DARK YELLOW BROWN (10YR 4/4) MOIST DENSE, LOW EST. IK, VFG SUBANG, SAND, 10% CLAY, 20-30% SILT. 10% FG. 1-2% MG. RARE CALICHE PATCHES TO 5mm ϕ

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2AS6

Borehole/Well No.: ST254-05

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	(Ambient) HNu/FID	Analysis		Lithology Code		Depth (ft)	Recovery	Contact
		↓	12	8	6	0/5 (Ambient) ST: 0-120				SDHL	10–11		
KAFB-ST254-05 1113		↓	24	22	9	0/5 (Ambient) 7.1 ST: 0-110	SVOC VOC METALS	DRO GRO Hg, pH	MOISTURE	SDHF SDFN SDHL	11–13		T.D.

10' SILTY SAND (SM) DARK YELLOW BROWN (10YR 4/6) MOIST, MED. DENSE, LOW EST IK. VFG-FG SUBANG SAND. 1% CLAY, 20-25% SILT, 15% MK. 5% CG. ABUNDANT WEATHERED BIOTITE

11.25 SAND (SP) YELLOWISH BROWN (10YR 5/6) MOIST, MED DENSE, LOW EST IK VFG-FG SUBANG SAND 10% SILT. 15% MG. 1% CG ANGULAR SUBANG PEBBLES TO 5mm Ø

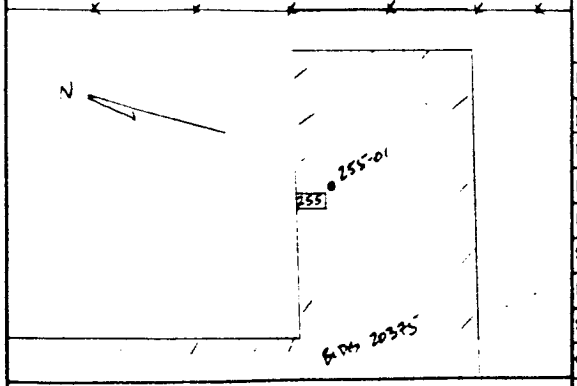
12.75' SILTY SAND (SM) DARK YELLOWISH BROWN (10YR 4/6) MOIST, MED DENSE, LOW EST IK, VFG-FG SUBANG. SAND. 10% SILT, 1-2% MG. <1% CG.

PROFESSIONAL GEOLOGIST
JOSEPH P. PAVLETICH
PG-1990
WYOMING

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: SB55-01
	Job No: 2A56
Logged By: J. Pavletich	Edited By: JP
Project Manager: K. Walter	Drill Rig: Geoprobe
Drilling Contractor: BZE	
Driller/Helper: B. Wolfe	
Drilling Method: Geoprobe Construction Method Code = V (driven), HA = Hand Augered	
Sample Method: LARGE-BORE SAMPLER	
Hammer Weight/Drop: N.A.	Borehole Diameter: 1.375"
Started, Time: 1400	Date: 6-29-94
Completed, Time: 1540	Date: 6-29-94

Notes: PID NOT OPERATIONAL FOR THIS BOREHOLE.

BACKGROUND β = 10 mR/HR

HNu/FID	~/15						
β-γ (cpm)	80-120						
Time	1400						
Date	6-29-94						

Total Depth: 12 FT Casing Depth:

Screened Interval:

Sand Pack, #3: #0:

Well Development Method:

Time: Date: Flow Rate:

Geophysical Logs, Type:

By: Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
			12	9	G	0/1.5				SDCL	0			CONCRETE 0-6"
						BZ-BKGD 0-10					1			CLAYEY SAND (SC) DARK YELLOWISH BROWN (10YR 4/4) MOIST.
														MED. DENSE. VFG-FG SUBANG SAND. 10-15% CLAY. 10-15% SILT,
											2			5% MG. 15% CG. SCONG. RND PEBBLES TO 8mm Ø CALICHE STAINED
														1.25-1.4 FT.
											3			
SB55-01 0305-			24	22	G	0/1.5								'3-5' SAME AS AT 1.5 - NEARLY CALICHE STAINED, VERY MOIST
						BZ-BKGD 3-0	SVOC	DRO	GRO		4			BROWN (10YR 5/4)
							VOC							
							METALS	Hg	MOISTURE		5			
											6			
										SDCL	7		?	7-? GRAVELLY SAND (SP) YELLOWISH BROWN (10YR 5/6) MOIST.
SB55-01-0812 SB55-01-0812			24	22	G	~1/2 (BKG=1.5)								MED. DENSE, LOW PLAST. IR. VFG SUBANG SAND. 5-10% SILT, 5-10% FG.
						BZ-BKGD 5-10	SVOC	DRO	GRO		8			15% MG 15% CG, 10-20% SUBANG-SUBRND PEBBLES TO 5mm Ø
							METALS	Hg	MOISTURE		9			
											10			
										SDCL				

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56

Borehole/Well No.: ST255-01

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/FID	Analysis		Lithology Code		Depth (ft)	Recovery	Contact
			24	22	G	1.5 / BG 0.0 - 0.0 ppm	METALS Hg pH	MOIST.		SDCL ↓ R			
							VOC			SM ↓	11		
		↓					VOC + R				12		TD
											3		
											4		
											5		
											6		
											7		
											8		
											9		
											0		
											1		
											2		
											3		
											4		
											5		
											6		
											7		
											8		
											9		
											0		

Notes:

10' CLAYEY SAND (SC) YELLOWISH BROWN (10YR 5/6) MOIST, MED. DENSE
LOW EST. K. VFG SUBANG SAND 20-25% CLAY. 5% FG.

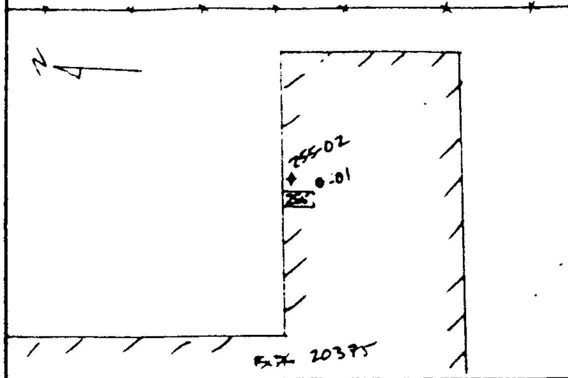
10.75' SILTY SAND (SM) YELLOWISH BROWN (10YR 5/6) MOIST, DENSE
LOW-MED. EST. K. VFG SUBANG SAND. 15% SILT. 2% FG
1% MG.

PROFESSIONAL GEOLOGIST
JOSEPH P. PAVLETICH
PG-1990
WYOMING

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project:	KAFB Stage 2B
Borehole/Well No:	ST255-02
Job No:	2A56
Logged By:	J. Pavletich
Edited By:	
Project Manager:	K. Walter
Drill Rig:	Geoprobe
Drilling Contractor:	BRE
Driller/Helper:	B. Wolfe
Drilling Method:	Geoprobe Construction Method Code = V (driven), HA = Hand Augered
Sample Method:	LARGE-BORE SAMPLER
Hammer Weight/Drop:	N.A.
Borehole Diameter:	1.375'
Started, Time:	1550
Date:	6-29-94
Completed, Time:	1600
Date:	6-29-94

Notes: PID NOT OPERATIONAL FOR THIS BORING

BACKGROUNDS γ=10 μR/HR

HNu/FID	-/1.8
β-γ (cpm)	60 / 10
Time	1550
Date	6-29-94

Total Depth: 10 FT.

Screened Interval:

Sand Pack, #3:

Well Development Method:

Time: Date: Flow Rate:

Geophysical Logs, Type:

By: Date:

PROFESSIONAL GEOLOGIST JOSEPH P. PAVLETICH PG-1830 WYOMING

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses			Lithology Code	Depth in Feet
		↓	12	4	4	-/1.5 βγ=60/10 γ=10				SIL / SM	1–3
KAFB ST255-02 0305		↓	24	22	4	-/1.75 (max) βγ=60/10 γ=10	SVOC VOC METALS	TPD H₂PH	GRO MOISTURE		3–5
KAFB ST255-02 08/10		↓	24	22	4	-/1.75 (max) βγ=60/60 γ=10	SVOC VOC METAL	TPD H₂PH	GRO MOISTURE	SM	8–10

T.D.

LITHOLOGIC DESCRIPTIONS

CONCRETE 0-9"

CLAYEY SAND (SC) DARK YELLOWISH BROWN (10YR 4/4) MOIST MED. DENSE, LOW EST. K, VFS SUBANG SAND. 20-25% CLAY 15-20% SILT, OCCAS. SUBANG PEBBLES TO 5mm Ø. STAINED W/ CALICHE AT 1.5 FT.

2.5? SILTY SAND (SM) VERY PALE BROWN (10YR 8/4) MOIST MED. DENSE LOW EST. K, VFS SUBANG SAND 15-25% SILT, 10% FG. 1-2% MG. 1% CG. 5-10% SUBANG PEBBLES TO 7mm Ø FROM 4-5 FT.

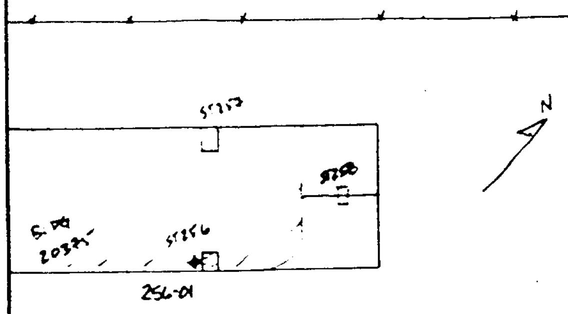
9.25 SILTY SAND (SM) YELLOWISH BROWN (10YR 5/6) MOIST, MED. DENSE, MOD. EST. K, VFS SUBANG SAND 10-15% SILT. 10% FG. HORIZONTAL STRINGERS OF CALICHE ABOUT 2-1 mm THICK, 5-6 mm LONG.

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG

Project:	KAFB Stage 2B
Borehole/Well No:	ST256-01
Job No:	2A56
Logged By:	J. Pavletich
Edited By:	JP
Project Manager:	K. Walter
Drill Rig:	Geoprobe
Drilling Contractor:	B&E
Driller/Helper:	B. Wolfe
Drilling Method:	Geoprobe Construction Method Code = GY (driven), HA = Hand Augered
Sample Method:	LARGE-BORE SAMPLER
Hammer Weight/Drop:	N.A.
Borehole Diameter:	1.375"
Started, Time:	1150
Date:	6-29-94
Completed, Time:	1210
Date:	6-29-94

BOREHOLE LOCATION



Notes: PID NOT OPERATIONAL FOR THIS BORING.

BACKGROUND γ = 11 µR/HR

HNu/FID	-/1.5
β-γ (cpm)	80-100
Time	1200
Date	6-29-94

PROFESSIONAL GEOLOGIST JOSEPH P. PAVLETICH PG-1990 WYOMING

Total Depth:	10 FT
Casing Depth:	
Screened Interval:	
Sand Pack, #3:	
Well Development Method:	
Time:	
Date:	
Flow Rate:	
Geophysical Logs, Type:	
By:	
Date:	

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses		Lithology Code		Depth in Feet
			24 [?]	10	6	-/1.5; β-γ 80-100; 8:41				SAH	0–2
KAFB-ST256-01 0305			24	21	6	-/1.5; β-γ 80-100; 7:11	SVOC; VOC; METALS Hg	DRO; pH	GRO; MOISTURE	SAH	3–5
KAFB-ST256-01 0810			24	21	6	-/1.5; β-γ 60-100; 7:11	SVOC; VOC; METALS Hg	DRO; pH	GRO; MOISTURE	SAH	8–10

LITHOLOGIC DESCRIPTIONS

CONCRETE 0-12"

SILTY SAND (SM) YELLOWISH BROWN (10YR 5/4) MOIST, MED DENSE LOW EST. IK. VFG SUBANG SAND. 5% CLAY 15-20% SILT. 10% FG 2-5% MG 5% CG. OCCAS. SUBRND PEBBLES TO 15 mm Ø. CALICHE PATCHES TO 5mm Ø.

2.5 SILTY SAND (SM) LT YELLOWISH BROWN (10YR 6/4) MOIST, MED. DENSE LOW EST. IK. VFG SUBANG SAND. 5-10% CLAY. 15-20% SILT. 2-5% FG 1% MG. 1% CG. STAINED W/ CALICHE

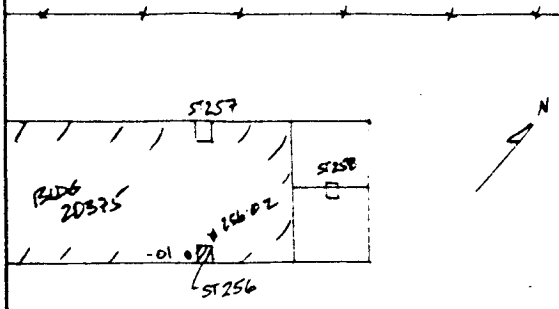
4-5 FT CALICHE NODULES TO 7mm Ø COMMON.

7'? SILTY SAND (SM) BROWNISH YELLOW (10YR 6/6) MOIST, MED. DENSE MED. EST. IK. VFG SUBANG SAND. 2-3% CLAY 15-20% SILT. 5-10% FG. 1-2% MG. OCCAS SUBANG PEBBLES TO 10 mm Ø. CALICHE NODULES TO 3mm Ø COMMON

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: SB256-02
	Job No: 2A56
Logged By: J. Pavletich	Edited By: JP
Project Manager: K. Walter	Drill Rig: Geoprobe
Drilling Contractor: EQE	
Driller/Helper: B. Wolfe	
Drilling Method: Geoprobe Construction Method Code = AV (driven), HA = Hand Augered	
Sample Method: LARGE-BORE SAMPLER	
Hammer Weight/Drop: N.A.	Borehole Diameter: 1 3/8"
Started, Time: 1245	Date: 6-29-94
Completed, Time: 1330	Date: 6-29-94

Notes:

BACKGROUND Ø = 10 cpm/HR

HNu/FID	- / 1.5			
B-T (cpm)	60-100			
Time	1245			
Date	6-29-94			

PROFESSIONAL GEOLOGIST JOSEPH P. PAVLETICH PG-1990 WYOMING

Total Depth: 10 FT
Casing Depth:
Screened Interval:
Sand Pack, #3:
Well Development Method:
Time: Date: Flow Rate:
Geophysical Logs, Type:
By:

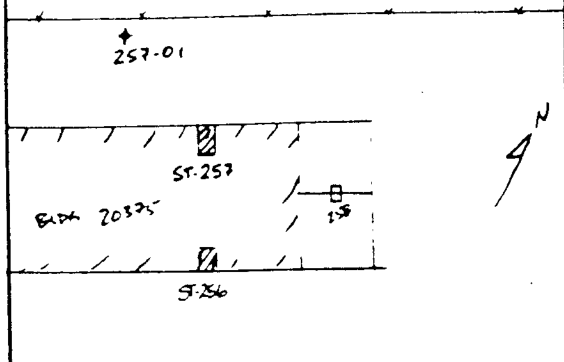
Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analysis		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
										SOIL				CONCRETE 0 – 10"
			12	6	G	- / 2					1			CLAYEY SAND (SC) YELLOWISH BROWN (10YR 5/4) MOIST, MED. DENSE, LOW EST. IR. VFG-FG SUBANG. SAND 10-15% CLAY, 10-15% SILT, 5-10% FG, 5% CG, 2-3% SUBANG. PEBBLES TO 5cm Ø. 10cm Ø PIECE OF ASPHALT AT 2FT.
											2			
											3			
SB256-02 0305			24	18	G	- / 1.5 BZ=10 B=10 Ø=11	SOIL	TAN	GOOD	SOIL	4			3.75 SILTY SAND (SM) VERY PALE BROWN (10YR 7/4) MOIST, MED. DENSE, LOW-MOD EST. IR. VFG SUBANG SAND, 5% CLAY, 15-20% SILT, 5-10% FG, 2% MG, 1% CG. MOD. SUBANG. PEBBLES TO 2cm Ø. LIGHT CALICHE STAINING.
							VOC							
							MOBIL	Hy pH	MOISTURE		5			
											6			
											7			8.75 CLAYEY SAND (SC) LIGHT YELLOWISH BROWN (10YR 6/4) MOIST MED. DENSE, VFG-FG SUBANG. SAND 5-15% CLAY, 10-15% SILT, 5% MG.
SB256-02 0810			24	21	G	0 / 1.5 BZ=10 B=10 Ø=10	SOIL	TAN	GOOD	SOIL	8			9.25 SAND (SP) YELLOWISH BROWN (10YR 5/4) MOIST MED. DENSE, LOW-MOD EST. IR. VFG SUBANG SAND 5-10% SILT, 10% FG 1-2% MG.
							VOC			SAND	9			
							MOBIL	Hy pH	MOISTURE		10			

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG

Project: KAFB Stage 2B	Borehole/Well No: ST257-01
	Job No: 2A56
Logged By: J. Pavletich	Edited By: JP
Project Manager: K. Walter	Drill Rig: Geoprobe
Drilling Contractor: BDE	
Driller/Helper: ~~B. Wolfe~~ S. CAMP	
Drilling Method: Geoprobe Construction Method Code = V (driven), HA = Hand Augered	
Sample Method: LARGE BORE SAMPLER	
Hammer Weight/Drop: N.A	Borehole Diameter: 1.375"
Started, Time: 1600	Date: 6-28-94
Completed, Time: 1700	Date: 6-28-94

BOREHOLE LOCATION



Notes: ~SOUTH OF ST257 ~3'

BACKGROUND 7-10 µR/HR

HNu/PID	0/2.5			
β-γ (cpm)	80-120			
Time	1600			
Date	6-28-94			

Total Depth: 12 FT | Casing Depth:

Screened Interval:

Sand Pack, #3: | #0:

Well Development Method:

Time: | Date: | Flow Rate:

Geophysical Logs, Type:

By: | Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/PID Reading	Analyses			Lithology Code	Depth in Feet
										SDCL	0–3
KAFB-ST257-01-0305			24	22	4	0/2.5 (BKG) 80-120 B/G	SVOC, VOC, METALS	TPHD, Hg	GRO, pH, MOIST.	SDSL	3–5
											5–7
										SDNF	7–8
KAFB-ST257-01-0812; KAFB-ST257-99-0812			24	20	4	0/2.5 80-120 B/G	SVOC, SVOC, METALS	TPHD, TPHD, Hg	GRO, GRO-R, pH, MOIST.		8–10
										SDCL	10

LITHOLOGIC DESCRIPTIONS

ASPHALT 0-2"

CLAYEY SAND (SC) DARK YELLOWISH BROWN (10YR 4/6) MOIST, MED. DENSE, LOW EST. IK, VFG SUBANG. SAND. 10-15% CLAY, 5-10% FG, 2-5% MG, 1-2% CG. SUBRND PEBBLES TO 10mm ϕ COMMON.

3'? SILTY SAND (SM) LIGHT YELLOW BROWN (10YR 6/4) MOIST, MED DENSE, LOW EST. IK. VFG SUBANG. SAND. 10-15% SILT. 10% FG. 1-2% MG. OCCAS. ANG. PEBBLES TO 5mm ϕ. MOTTLES & STAINS OF CALICHE

7'? SAND (SP) YELLOWISH BROWN (10YR 5/8) MOIST, MED DENSE, MED EST. IK. VFG, SUBANG SAND 5% SILT 5% FG.

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56

Borehole/Well No.: ST257-01

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/FID	Analysis		Lithology Code		Depth (ft)	Recovery	Contact
		↓	24	21	G	0/8.5 8/11	METALS	pH	MOIST.	SC — R ↓	11		
						0/0/180/150	VOC						
							VOC-R				12		T.D.

Notes:

10' CLAYEY SAND (SC) YELLOWISH BROWN (10YR 5/6) MOIST. [illegible]. LOW EST. IK, VFG SUBANG SAND 10-20% CLAY, 15-20% SILT.

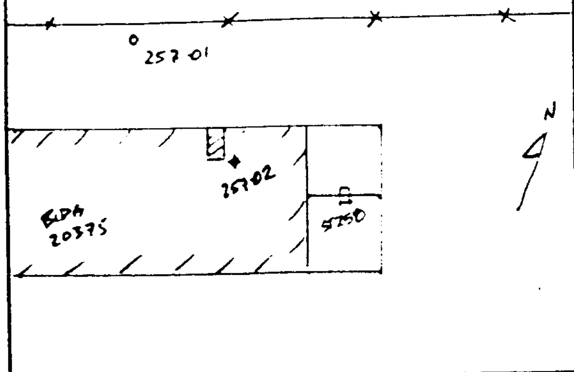
@ 12FT 2-3% [illegible]. 1% [illegible] + [illegible]. SUBANG PEBBLES TO 3mm Ø.

PROFESSIONAL GEOLOGIST
JOSEPH P. PAVLETICH
PG-1990
WYOMING

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project:	KAFB Stage 2B
Borehole/Well No:	ST 257-02
Job No:	2A56
Logged By:	J. Pavletich
Edited By:	JP
Project Manager:	K. Walter
Drill Rig:	Geoprobe
Drilling Contractor:	ESE
Driller/Helper:	B. Wolfe
Drilling Method:	Geoprobe Construction Method Code = V (driven), HA = Hand Augered
Sample Method:	LARGE BORE SAMPLER
Hammer Weight/Drop:	N.A
Borehole Diameter:	
Started, Time:	0900 — Date: 6-29-94
Completed, Time:	1015 — Date: 6-29-94

Notes: HNU (PID) CRAPPED OUT AT START OF HOLE

BACKGROUND γ = 9 μR/HR

HNu/FID	0/2
β-γ (cpm)	80-100
Time	0905
Date	6-29-94

PROFESSIONAL GEOLOGIST — JOSEPH P. PAVLETICH — PG-1990 — WYOMING

Total Depth:	10 FT.
Casing Depth:	
Screened Interval:	
Sand Pack, #3:	
Well Development Method:	
Time:	Date:
Flow Rate:	
Geophysical Logs, Type:	
By:	Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses	Lithology Code	Depth in Feet
		↓	6	4	G	-/2 ; βγ: 80/100 ; γ: 9		SC/CL	0–1
KAFB-ST257-02-0304 MS/MSD ; KAFB-ST257-02-0304		↓	24	22	G	-/2 ; βγ: 80-100 ; γ: 9	SVOC TPD GRO ; SVOC DRO GRO - MS/MSD ; METALS Hg pH MOISTURE	SD/SL	3–5
		↓	24	22	G	-/2 ; βγ: 80-100 ; γ: 9	METALS Hg pH MOIST. ; VOC MS/MSD ; VOC - MS/MSD	SD/SL ; SDVF-SDFN	5–7
KAFB-ST257-02 0910		↓	24	22	G	-/2 ; βγ: 80-100 ; γ: 9	SVOC TPD GRO ; VOC ; METALS Hg pH MOISTURE		8–10

LITHOLOGIC DESCRIPTIONS

CONCRETE 0-4"

CLAYEY SAND (SC) YELLOWISH RED (5YR 5/6) MOIST-DAMP MED DENSE. LOW EST. K, VFG SUBANG SAND. 10-20% CLAY, 15-25% SILT, 5% FG, 1-2% CG. OCCAS. SUBRND SUBANG PEBBLES TO 20mm Ø

2.5 SILTY SAND (SM) STRONG BROWN (7.5YR 4/6) MOIST, MED DENSE. LOW EST K VFG SUBANG SAND 5% CLAY, 10-15% SILT 2-3% MG, 2-3% CG. OCCAS. ANG PEBBLES TO 5mm Ø

@ ABOUT 3.75 COLOR CHANGE TO VERY PALE BROWN (10YR 7/4) HEAVILY CALICHE STAINED

5.75 SILTY SAND (SM) BROWNISH YELLOW (10YR 6/6) MOIST. MED. DENSE VFG SUBANG SAND 10-15% SILT. 5% MG STAINED W/ CALICHE.

6.75' SILTY SAND (SM) REDDISH YELLOW (7.5YR 6/6) MOIST. MED. DENSE. LOW-MOD. EST. K, VFG-FG SUBANG SAND 10-15% SILT. 2-3% MG 1% CG

7.5 SAND (SP) REDDISH YELLOW (7.5YR 7/6) MOIST, MED. DENSE MOD EST. K, VFG-FG SUBANG SAND, 5% SILT 9-10' + 2-3% MG 1% CG. STAINED W/ CALICHE MOTTLED W/ CALICHE AT 10 FT.

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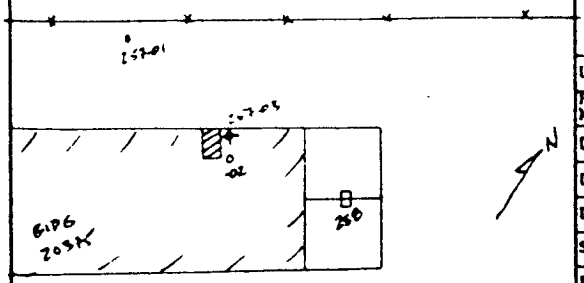
BOREHOLE / WELL CONSTRUCTION LOG

Page 1 of 1

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: ST257-03
	Job No: 2AS6
Logged By: J. Pavletich	Edited By: TP
Project Manager: K. Walter	Drill Rig: Geoprobe
Drilling Contractor: EQE	
Driller/Helper: B. Wolfe	
Drilling Method: Geoprobe Construction Method Code = V (driven), HA = Hand Augered	
Sample Method: LARGE-BORE SAMPLER	
Hammer Weight/Drop: N A	Borehole Diameter: 1.375"
Started, Time: 1015	Date: 6-29-94
Completed, Time: 1145	Date: 6-29-94

Notes: P.I.D NOT OPERATIONAL AT THIS HOLE

BACKGROUND γ = 9 μR/HR

HNu/PID	– 2.0			
β-γ (cpm)	20-40			
Time	1020			
Date	6-29-94			

PROFESSIONAL GEOLOGIST JOSEPH P. PAVLETICH WYOMING

Total Depth: 10 FT

Screened Interval:

Sand Pack, #3:

Well Development Method:

Time: Date:

Geophysical Logs, Type:

By:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/PID Reading	Analyses		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
										SDA				CALICHE 0-12"
			12	8	4	-/2 (BZ-40-100) 5-7					1			SILTY SAND (SM) YELLOWISH BROWN (10YR 5/6) MOIST, MED DEN
														LOW EST. IK, VFG SUBANG SAND 2-3% CLAY, 10-15% SILT, 10% FG.
											2			2-3% SLK. 1-2% CG. OCAS. SUBANG-SUBRND PEBBLES TO 3cm ϕ.
														AT 2FT 10cm ϕ PEBBLE LAYER OF ASPHALT
											3			
			24	22	4									3.75 SAND (SP) YELLOW (10YR 7/6) MOIST, MED. DENSE, MOD. EST
KAFB-ST257-01 DUP						-/2 (BZ-40-100) 5-7	SVOC	TCL GOOD		SDW	4			IK, VFG SUBANG. SAND. 5% SILT, 5-10% FG, 5% CG, LIGHT
							VOC							BROWN COMMON.
							MEOH	Hy pt	MOISTURE		5			
											6			
											7			9.25' GRAVEL (GP) VERY PALE BROWN (10YR 7/4) MOIST. V. DENSE.
			24	22	4									MOD-HIGH EST. IK. SUBRND ATHANTIC PEBBLES TO >30cm ϕ. 5%
KAFB-ST257-03 DUP						-/2 (BZ-40-100) 7-9	SVOC	TCL GOOD			8			SILT & VFG MINERAL
							VOC							9.75 SILTY SAND (SM) LIGHT YELLOWISH BROWN (10YR 6/4)
							PHENOLS	Hy pt	MOISTURE	GWLP GWSL	9			MOD. EST. IK. VFG-FG SUBANG. SAND. 5% CLAY, 15-20% SILT,
											10			2-3% MG.
														T.D.

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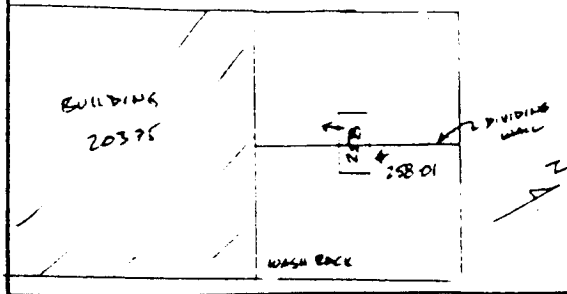
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: ST 258-01
	Job No: 2A56
Logged By: J. Pavlotich	Edited By: JP
Project Manager: K. Walker	Drill Rig: Geoprobe
Drilling Contractor: BAS	
Driller/Helper: ~~B. Wolfe~~ S. CAMP	
Drilling Method: Geoprobe Construction Method Code: DV (driven), HA = Hand Augered	
Sample Method: LARGE BORE SAMPLER	
Hammer Weight/Drop: N.A.	Borehole Diameter: 1.375"
Started, Time: 1430	Date: 6-28-94
Completed, Time: 1540	Date: 6-28-94

Notes: BASE AT 3 FT. 3-5, 8-10

BACKGROUND γ: 10 μR/HR

HNu/FID	0/2.5
β-γ (cpm)	40-100
Time	1440
Date	6-28-94

PROFESSIONAL GEOLOGIST JOSEPH P. PAVLOTICH WYOMING

Total Depth: 10 FT | Casing Depth:
Screened Interval:
Sand Pack, #3:
Well Development Method:
Time: Date: Pump Rate:
Geophysical Logs, Type:
By: Date:

Sample ID	Sampler Type / depth	Blows / 6 inch	Inches Driven	Inches Recovered	Sample Condition / ROD	HNu/FID Reading	Analysis		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
			18	12	6	0/1.5 BZ 40-100				SCL	1			CONCRETE 0-6"
														CLAYEY SAND (SC) DARK YELLOWISH BROWN (10YR 4/4) MOIST- DAMP, LOW PLST IR, VFG-FG SUBANG. SAND. 10-15% CLAY 10-20%
											2			SILT, 2-3% MG 1-2% CA. 5% RND PEBBLES TO 15mm Ø.
														CALICHE PIECES TO >15mm @ 3.5 FT
KAFB-ST258-01 0305			24	22	6	0/2.5 BZ 40-100	SAND	DRD	MED	SCL	3			3.25' SILTY SAND (SM) VERY PALE BROWN (10YR 7/4) MOIST, MED DENSE
							VOC				4			LOW PLST IR, VFG SUBANG. SAND. 20-25% SILT, 5% FG, 1-2% MG
							HEADS	Hg ppb	MISSING	SCL				HEAVILY STAINED WITH CALICHE
											5			
											6			7? SILTY SAND (SM) DARK YELLOWISH BROWN (10YR 4/6) MOIST, MED. DENSE, LOW PLST IR. VFG SUBANG SAND. 10-15% SILT, 10-15% FG, 5% MG 1-2% CA.
											7			8.75' CLAYEY SAND (SC) DARK YELLOWISH BROWN (10YR 4/6) MOIST,
KAFB-ST258-01 0810			24	22	6	0/2.5 BZ 40-100	SAND	DRD	MED	SCL	8			MED. DENSE, LOW PLST IR, VFG SUBANG SAND. 15-20% CLAY, 20-25% SILT.
							VOC				9			9.75' GRAVELLY SAND (SW) YELLOWISH BROWN (10YR 5/6) MOIST, DENSE
						0/2.5 BZ 40-100	HEADS	Hg ppb	MISSING	SCL				MOD. PLST IR. VFG-FG SUBANG SAND, 5% SILT, 5% MG, 5-10% CA, 10-15% GRAVEL PEBBLES TO 15mm Ø WEATHERED GRAVEL COMMON.
											10			T.D.

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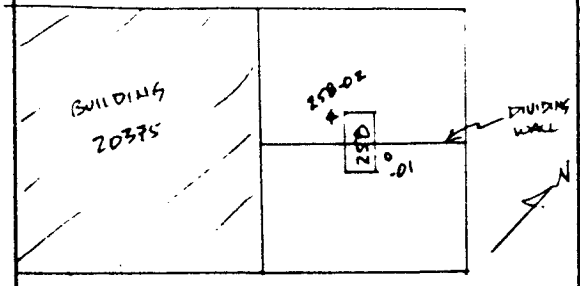
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: SS2SB-02
	Job No: 2A56
Logged By: J. Pavletich	Edited By:
Project Manager: K. Walter	Drill Rig: Geoprobe
Drilling Contractor: BRE	
Driller/Helper: B. Wolfe S. Camp	
Drilling Method: Geoprobe Construction Method Code: V (driven), HA = Hand Augered	
Sample Method: LARGE-BORE SAMPLER	
Hammer Weight/Drop: N.A.	Borehole Diameter: 1.375"
Started, Time: 1530	Date: 6-28-94
Completed, Time: 1610	Date:

Notes:

HNu/PID	0/2
β-γ (cpm)	80-120
Time	1530
Date	6-28-94

BACKGROUND β: 10 cpm/HR

PROFESSIONAL GEOLOGIST JOSEPH F. PAVLETICH PG-1950 WYOMING

Total Depth: 10 FT.
Casing Depth:
Screened Interval:
Sand Pack, #3:
Well Development Method:
Time: Date:
Geophysical Logs, Type:
By: Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/PID Reading	Analyses		Lithology Code	Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
			12	9	9	0/2 2-11			SPLT	1			CONCRETE 0-6"
						0/2 2-10							CLAYEY SAND (SC) DARK YELLOW BROWN (10YR4/4) MOIST, LOW EST. IN. PG SUBANG. SAND. 10-15% CLAY, 10% VFG. 5-10% MG 5-10% CG. OCCAS SUBANG PEBBLES TO 10mm Ø
										2			
										3			3.75' SAND (SP) LIGHT YELLOWISH BROWN (10YR6/4) MOIST, MED. DENSE
KAFB-SS2SB-02 0345			24	21	G	0/2 2-10	SUBC	TRCE	GRVL	4		SPLT	LOW EST. IN., VFG SUBANG. SAND. 2-3% CLAY, 5-10% EST. 10-15% MG. 10% CG. SATURED W/ CALICHE
						0/2 10-10-10	VOC MOIST	Hg PH	MOISTURE	5			BELOW 4.75', BROWNISH YELLOW (10YR6/8)
										6			
										7			@ 9.75' 2-10% SUBRND PEBBLES.
										8			
KAFB-SS2SB-02 0810			24	20	G	0/2 8-10	SUBC	TRCE	GRVL	9			9.75 CLAYEY SAND (SC) DARK YELLOWISH BROWN (10YR4/6) MOIST, DENSE, LOW EST. IN. VFG-FG SUBANG SAND. 10-15% SLT, 5% MG. 5-10% CG. 5-10% SUBANG PEBBLES TO 15mm Ø.
						0/2 10-10-10	VOC MOIST	Hg PH	MOISTURE	10		SPLT	

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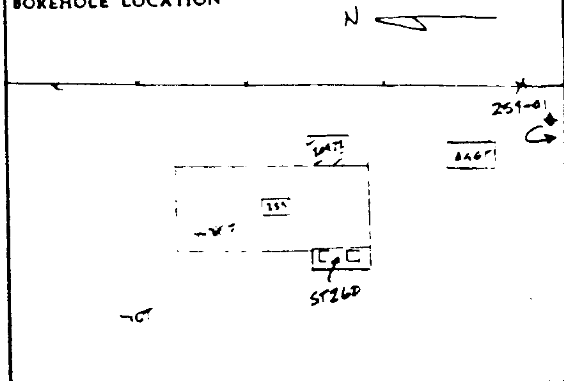
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: ST259-01
	Job No: 2A56
Logged By: J. Pavletich	Edited By: JP
Project Manager: K. Walter	Drill Rig: Geoprobe
Drilling Contractor: BRE	
Driller/Helper: ~~B. Wolfe~~ S. CAMP	
Drilling Method: Geoprobe Construction Method Code - V (driven), HA = Hand Augered	
Sample Method: LARGE-BORE SAMPLER	
Hammer Weight/Drop: NA	Borehole Diameter: 1.375"
Started, Time: 0930	Date: 6-20-94
Completed, Time: 1125	Date: 6-20-94

Notes: SPLITS FOR EPA TAKEN AT THIS SITE

BACKGROUND β = 8 cpm/HR

HNu/FID	0/10				
β-γ (cpm)	20-60				
Time	0930				
Date	6-20-94				

Total Depth: 20 FT.
Casing Depth:
Screened Interval:
Sand Pack, #3: #0:
Well Development Method:
Time: Date: Flow Rate:
Geophysical Logs, Type:
By: Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses	Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
									50+	0			SURFACE SILTY SAND (SM) LIGHT BROWN (7.5YR 6/4) DRY, LOOSE, VFG-FG SUBANG SAND, 10-15% SILT, 2-3% MG, 1-2% CG. SUBANG PEBBLES TO 30+ mm Φ ON SURFACE
										1			
										2			
										3			
									50+	4		?	4'? SILTY SAND (SM) DARK YELLOW BROWN (10YR 6/4) MOIST, MED. DENSE, MOD. EST. IL, VFG. SUBANG SAND. 25% CLAY, 20-25% SILT. 1-2% MG. 1% CG. OCCAS. SUBANG PEBBLES TO. 5 mm Φ
		↓	6"	6"	G	0/10 (BKG) β-γ [illegible]				5	X		
										6			
										7			
									50+	8		?	8'? GRAVELLY SAND (SW) BROWNISH YELLOW (10YR 6/6) MOIST, MED DENSE MOD.-HIGH EST. IL, FG SUBANG SAND, 2-3% SILT, 5-10% VFG, 10-15% MG, 5-10% CG, 10-20% SUBANG PEBBLES TO. 5 mm Φ
DHB-ST259-01 0913			24	20	G	0-3/10-20 (BKG-8) β-γ: 6000	SVOC TPH [illegible]			9			
									↓	10			

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2AS6

Borehole/Well No.: ST259-01

Notes:

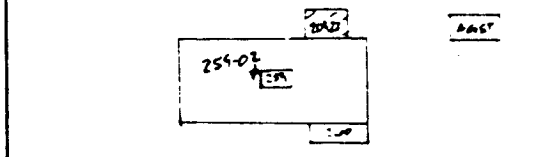
Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/PID	Analysis	Lithology Code	(Strat)	Depth (ft)	Description
							(TRC VOC) VOC			11	
			24	22	6	0-2 / 7-15 BZ=BKGD 7-9	(TRC-SVOC, METALS) METALS Hg pH MOISTURE			12–13	? 11'-13' FG SUBANG SAND, 5% SILT, 5-10% VFG, 5-10% MG, 10-15% CG, 15-20% SUBANG GRAVEL TO 8mm Ø. OCCAS RND PEBBLES TO 15mm Ø
						0/5 (BKG) 1-8			SP/SM	14–15	14'? SILTY SAND (SM) YELLOW-BROWN (10YR 5/6) MOIST, MED. DENSE MOD. EST IK, VFG SUBANG SAND 5% CLAY, 10-15% SILT, 15-20% FG. 1-2% MG, 1% CG OCCAS SUBANG PEBBLES TO 4mm Ø. LARGE PEBBLES (> 25mm Ø) AT 15.5 FT
			6	6	6	BZ=BKGD				16	
KAFB-ST259-01 16'BD			24	15	6	0-1/5-10 (BKG) 6-8 BZ=BKGD	(TRC-METALS, SVOCS) SVOC H2O GRW		SILT / SCL	17–18	16.25' SANDY SILT (ML) VERY PALE BROWN (10YR 7/4) DRY, STIFF (RE-CEMENTED W/ CALICHE) 5-10% CLAY, 5-10% VFG 10-15% FG. 17.75' CLAYEY SILT (ML) DARK YELLOWISH BROWN (10YR 4/4) MOIST, MED. STIFF. LOW. EST IK. 10-15% CLAY, 5-10% VFG.
			24	22		0-0.5/6-9 BZ=BKGD 8-9-10	VOC (TRC-VOC) MOISTURE Hg pH [illegible]		SDY / STY	19–20	18.75' SAND (SW) BROWNISH YELLOW (10YR 6/6) MOIST. MED. DENSE, MOD-HIGH EST IK. FG SUBANG. SAND. 1-2% SILT 5-10% VFG 5-10% MG. 10-20% CG. 19.8' CLAYEY SILT (ML) DARK YELLOWISH BROWN (10YR 4/4) MOIST. MED. STIFF, LOW-MOD. EST IK, 10-20% CLAY 5% VFG
										1	
										2	
										3	
										4	
										5	
										6	
										7	
										8	
										9	
										0	

PROFESSIONAL GEOLOGIST
JOSEPH P. PAVLETICH
PG-1990
WYOMING

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: ST59-02
	Job No: 2A56
Logged By: J. Pavletich	Edited By: JP
Project Manager: K. Walter	Drill Rig: Geoprobe
Drilling Contractor: 3CE	
Driller/Helper: ~~B. Wolfe~~ S. CAMP	
Drilling Method: Geoprobe Construction Method Code = V (driven), HA = Hand Augered	
Sample Method: LARGE-BORE SAMPLER	
Hammer Weight/Drop: NA	Borehole Diameter: 1.375"
Started, Time: 1135 / 1350	Date: 6-20-94 / 6-21-94
Completed, Time: 1615	Date: 6-21-94

Notes: DURING LUNCH, HOLE FILLED W/ WATER (@ SAME LEVEL AS IN DRUM) HOLE WAS ONLY ABOUT 10" DEEP. MOVED UNIT TO EAST SIDE TO SEE IF THAT AREA IS SATURATED. I SUSPECT CRACK/LEAK IN SIDE OF DRUM. BACKGROUND = 9.0/10.2

HNu/PID	0/5.5					
β-γ (cpm)	20-60					
Time	1135					
Date	6-20-94					

Total Depth:	Casing Depth:
Screened Interval:	
Sand Pack, #3:	#0:
Well Development Method:	
Time: Date:	Flow Rate:
Geophysical Logs, Type:	
By:	Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/PID Reading	Analyses		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
											1			CONCRETE 0'–8"
											2			DEPTH TO GROUND WATER ~9"
											3			BAILED GW SAMPLES, KAFB-ST59-02
														(2 VOA's VOC + 2 FOR TRIP BLK
														2 VOA's GRO + 2 FOR TRIP BLK
														UNPRE METALS + 1 FOR FIELD BLK
											4			2L for SVOC + 1L FOR FIELD BLK
														2L for DRO + 1L FOR FIELD BLK
											5			ID: KAFB-ST59-02 @ 1500 6/20/94
														THIS BOREHOLE RE-OCCUPIED AND SOIL
											6			SAMPLES COLLECTED ON 6/21/94
											7			
											8			
											9			
											10			

PROFESSIONAL GEOLOGIST
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PG-1990
WYOMING

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION

Project: KAFB Stage 2B	Borehole/Well No: ST255-02 (2nd HOLE)
	Job No: 2A56
Logged By: J. Pavletich	Edited By:
Project Manager: K. Walker	Drill Rig: Geoprobe
Drilling Contractor: ERE	
Driller/Helper: B. Wolfe	
Drilling Method: Geoprobe Construction Method Code ✓V (driven), HA = Hand Augered	
Sample Method: LARGE-BORE SAMPLER	
Hammer Weight/Drop: NA	Borehole Diameter: 1.375"
Started, Time: 1530	Date: 6-21-94
Completed, Time:	Date:

HNu/FID	0/5				
β-γ (cpm)	80-100				
Time	1535				
Date	6-21-94				

Notes: THIS HOLE ABOUT 6" NORTH OF BORING ST255-02. THIS WAS DRILLED TO COLLECT THE DUPLICATE & MS/MSD SAMPLE

SPLITS TAKEN FOR EPA BACKGROUND 0-9µR/HR

Total Depth:	Casing Depth:
Screened Interval:	
Sand Pack, #3:	#0:
Well Development Method:	
Time: Date:	Flow Rate:
Geophysical Logs, Type:	
By:	Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
											1			
											2			
											3			
											4			
											5			
											6			
											7			
											8			
											9			
KAFB-ST255-09/13			24	20	5	0/7 (TUBE) PB-HEAD 5:10					10	X		

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2AS6

Borehole/Well No.: SS259-02 (2ND HOLE)

Notes:

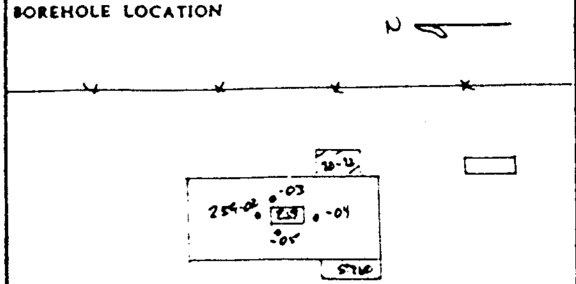
Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recv'd	Sample Cond.	HNu/PID	Analysis		Lithology Code		Depth (ft)	Recovery	Contact
							(PEL - SAND, MEDIUM, TEXT)						
							SAND	YLW & RED			11		
			24	21	G	0/6 (BKG) PID: 40-60 F=10	MEDIUM	H2O AT MOIST			12		
							(PEL - VOC				13		
							VOC						
											14		
											15		
											16		
KAFB-SS259-02-1620 MW/MD			24	18	G	0/6 PID=BKG F=10					17		
							(PEL - SAND, MEDIUM, TEXT)						
							SAND YLW & RED. - MOIST				18		
			24	22	G.	0/6 PID=BKG F=10	MEDIUM H2O AT MOIST.				19		
							(PEL - VOC)						
							VOC				20		
											1		
											2		
											3		
											4		
											5		
											6		
											7		
											8		
											9		
											0		

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG

Project:	KAFB Stage 2B
Borehole/Well No:	ST259-02
Job No:	2A56
Logged By:	J. Pavletich
Edited By:	JP
Project Manager:	K. Walter
Drill Rig:	Geoprobe
Drilling Contractor:	3RE
Driller/Helper:	B. Wolfe
Drilling Method:	Geoprobe Construction Method Code -V (driven), HA = Hand Augered
Sample Method:	LARGE-BORE SAMPLER
Hammer Weight/Drop:	N.A.
Borehole Diameter:	1.375'
Started, Time:	1410
Date:	6-21-94
Completed, Time:	1530
Date:	6-21-94

BOREHOLE LOCATION



Notes: SOIL SAMPLES COLLECTED IN SAME BOREHOLE THAT WATER SAMPLES WERE TAKEN YESTERDAY (6/20)
2ND BOREHOLE DRILLED ABOUT 0.5' N TO COLLECT THE REPLICATE & MS/MSD SAMPLES
SPLITS TAKEN FOR EPA BACKGROUND 8-9 uR/HR

HNu/FID	0/9					
β-γ (cpm)	20-40					
Time	14					
Date	6-21-94					

Total Depth:	20 FT
Casing Depth:	
Screened Interval:	
Sand Pack, #3:	#0:
Well Development Method:	
Time:	Date: Flow Rate:
Geophysical Logs, Type:	
By:	Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses	Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
										0–1			CONCRETE 0-8" *NOTE: NO SOIL SAMPLE COLLECTED NEAR SURFACE BECAUSE THE BOREHOLE WAS DRIVEN TO 3 FT TO PERMIT WATER SAMPLING W/ BAILER.
										2			
										3			
									SOIL	4		?	4'? CLAYEY SAND (SC) DARK YELLOWISH BROWN (10YR 4/4) WET, MED. DENSE VFG-FG SUBANG. SAND. 15% CLAY 20-25% SILT, 2-3% MG. 1% CG. MOTTLED W/ CALICHE; HEAVY AT 6 FT.
		↓	6	5	6	0/9.5 (HNu) 80-140 β-γ				5–6	☒		
										7			
KAFB-ST259-02 09-13			24	16	6	0/10 (HNu) 40-80 β-γ			SW-SP/SP	8–10	☒	?	8'? SAND (SW) YELLOW BROWN (10YR 5/6) MOIST-DAMP, MED. DENSE AND GST. IC. VFG-FG SUBANG SAND. 1% CLAY, 5% SILT, 5% MG 2-3% CG. 1-2% SUBANG PEBBLES TO 5 mm φ

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56

Borehole/Well No.: SC259-02

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/PID	Analysis		Lithology Code	Depth (ft)
		↓					(PRC SWC, METALS, TEPH) SWC DRO GRO		SDFN SDMD	10–11
		↓	24	22	6	0/7 (6:86) BZ:00100 8.10	METALS Hg pH MOIST (PRC-VOC) VOC		SDGR SDVF	11–13
		↓	6	4	6	0/6 (RGS) BZ:0010 7.10			STCL	15–16
KAFB-SD259-02 1620		↓	24	17	6	0/6 (RGS) BZ:00100 7.10	(PRC-SWC, METALS, TEPH) SWC DRO GRO		SDSL	16–18
		↓	24	21	6	0/6 (RGS) BZ:00100 8.10	METALS Hg pH MOISTURE (PRC-VOC) VOC		SDCL	18–20

10' SAND (SP) YELLOWISH BROWN (10YR 5/6) MOIST, MED DENSE, MOD-HIGH EST. IK. FG-MG SUBANG SAND 2-3% SILT, 5% VFG, 10-15% CG. <2% SUBANG PEBBLES TO 5mm Φ

11.75 GRAVELLY SAND (SW) DARK YELLOWISH BROWN (10YR 4/4) MOIST-DAMP MED. DENSE, MOD-HIGH EST. IK, FG-MG SUBANG SAND. 2-3% SILT 5-10% VFG. 10-15% CG, 15% SUBANG GRAVEL TO 5mm Φ, RARE SUBANG PEBBLES TO 25mm Φ. ABUND WEATH BIOTITE

11.75 SAND (SP) DARK YELLOWISH BROWN (10YR 4/6) MOIST, MOD DENSE LOW-MOD EST IK, VFG SUBANG SAND. 5-10% SILT. 5% FG. WEATHERED BIOTITE COMMON.

15.25 CLAYEY SILT (ML) DARK YELLOW BROWN (10YR 4/4) MOIST. MED STIFF, LOW EST IK 20-30% CLAY 5% VFG.

16' SAND (SP) YELLOWISH BROWN (10YR 5/6) MOIST, MED DENSE MOD. EST. IK VFG-FG SUBRND SAND. 5-10% SILT 1-2% MG

17.75' SILTY SAND (SM) DARK YELLOWISH BROWN (10YR 4/6) MOIST MED. DENSE, VFG-FG SUBANG SAND 10-15% SILT. <3% MG. OCCAS. SUBANG. PEBBLES TO 5mm Φ

19' CLAYEY SAND (SC) DARK YELLOW BROWN (10YR 4/4) MOIST, MED. DENSE, LOW EST. IK 5-10% CLAY, 20-25% SILT..

20 T.D.

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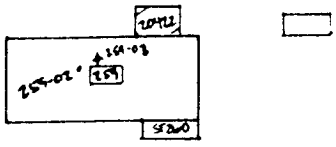
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: SS-03
	Job No: 2A56
Logged By: J. Pavletich	Edited By:
Project Manager: K. Walter	Drill Rig: Geoprobe
Drilling Contractor: BOE	
Driller/Helper: B. Wolfe	
Drilling Method: Geoprobe Construction Method Code = D (driven), HA = Hand Augered	
Sample Method: 2" SCALE - BOOK SAMPLER	
Hammer Weight/Drop: N A	Borehole Diameter: 1.375
Started, Time: 1550	Date: 6-20-94
Completed, Time: 1715	Date: 6-20-94

Notes:
SPLITS TAKEN FOR EPA

BACKGROUND = 4 ppm/HNu

HNu/FID	D / 4.5				
B-γ (cpm)	60-80				
Time	1550				
Date	6-20-94				

Total Depth: 20FT
Casing Depth:
Screened Interval:
Sand Pack, #3: #0:
Well Development Method:
Time: Date: Flow Rate:
Geophysical Logs, Type:
By: Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / ROD	HNu/FID Reading	Analyses		Lithology Code	Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
			12	9	G	0/4 0-9			SM/CL	1			CONCRETE 0-9"
						0/4 0-9							CLAYEY SAND/SC) BROWN (7.5YR 4/4) MOIST. DENSE, MED. DENSE, LOW PLAST. FINE TO MEDIUM GRAINED SUBANG. SAND. 10-15% CLAY, 5% ML, 1% CL. OCCAS RND PEBBLES TO 50mm ϕ. (BACKFILL)
										2			
										3			
										4		?	4'? SILTY SAND (SM) YELLOWISH BROWN (10YR 5/4) MOIST, MED. DENSE, LOW PLAST. FINE TO MEDIUM GRAINED SUBANG. SAND. 5% CLAY, 15% SILT, 2-3% FG 1% MG. OCCAS. RND PEBBLES TO 8mm ϕ
			6	6	G	0/4 0-10				5			
			24	12	F	0/4 0-9				6			
										7			7'-8' SAME AS AT 5-5.5FT
						0/4				8			NOTE: DRILLER ABS SAMPLES FROM 6'8 INSTEAD OF 9-11FT. SAMPLE WILL BE TAKEN AT 10-11FT.
										9			
										10			

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56

Borehole/Well No.: ST257-03

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/PID	Analysis	Lithology Code		Depth (ft)	Recovery	Contact	Description
KAFB-ST257-03 10/5			24	5	6	0/5 (BKG) 50-80 7-10			STS	11		?	10'? SILTY SAND (SM) DARK YELLOWISH BROWN (10YR 4/4) MOIST. MED DENSE, MOD EST. IK. VFG-FG SUBANG SAND. 5% CLAY, 15-20% SILT, 5% MG, 5-10% SUBANG GRAVEL TO 5mm Φ.
							METALS Ag pH RAD/SED			12			
			36			0/5 (BKG) 80 7-9 13-110	SVOC PRO GRO		STR	13		?	GRAVELLY SAND (SW) DARK YELLOWISH BROWN (10YR 4/4) MOIST, DENSE, MOD. EST. IK, FG SUBANG. SAND 5% CLAY, 10-15% SILT, 5% MG 10-20% SUBANG. GRAVEL TO 10mm Φ.
							(PRC - VOC)			14			14.75 SAND (SP) DARK YELLOWISH BROWN (10YR 4/6) MOIST. MED. DENSE MOD. EST IK. VFG-FG SUBANG. SAND 5-8% SILT. 1-2% MG. ABUND. WEATHERED BIOTITE
							(PRC - SVOC, METALS, TEPH) VOC		SDF STPN	15			
										16			
KAFB-ST257-03-1620			24	18	6	0/5 87-20 8-9	(PRC - SVOC, METALS, TEPH) SVOC PRO GRO		SDSL	17			17.75' SILTY SAND (SM) DARK YELLOWISH BROWN (10YR 4/6) MOIST. MED DENSE VFG SUBANG SAND. 5% CLAY, 15-20% SILT. 10-15% FG.
			24	20	6	0/5 87-50-100 7-10	VOC (PRC VOC) METALS HK pH MOISTURE		SDSL	18–19			18.5 SILTY SAND (SM) DARK YELLOWISH BROWN (10YR 4/6) MOIST, DENSE, VFG-FG SUBANG SAND. 10-20% SILT, 5% MG 5-10% CL, 5-10% SUBANG PEBBLES TO 5mm Φ.
										20		TD.	19.75 SILTY SAND (SM) DARK YELLOWISH BROWN (10YR 4/4) MOIST, MED. DENSE, VFG SUBANG. SAND. 5% CLAY, 15-20% SILT, 10-15% FG. +2% MG.

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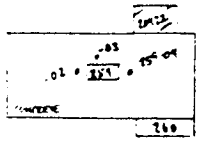
Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: ST259-04
	Job No: 2AS6
Logged By: J. Pavletich	Edited By: JP
Project Manager: K. Walter	Drill Rig: Geoprobe
Drilling Contractor: SNE	
Driller/Helper: B. Wolfe	
Drilling Method: Geoprobe Construction Method Code: CV (driven), HA = Hand Augered	
Sample Method: LARGE-BORE SAMPLER	
Hammer Weight/Drop: N.A.	Borehole Diameter: 1.375"
Started, Time: 0800	Date: 6-21-94
Completed, Time: 0945	Date: 6-21-94

Notes: 4 6' SPLITS TAKEN FOR EPA

GEOTEXTILE HAD TO BE REMOVED AFTER 9-12 FT SAMPLE WAS COLLECTED

BACKGROUND δ = 9 uR/HR

HNu/FID	0	16								
β-γ (cpm)	20	60								
Time	0805									
Date	6-21-94									

Total Depth: 20 FT. Casing Depth:

Screened Interval:

Sand Pack, #3: #0:

Well Development Method:

Time: Date: Flow Rate:

Geophysical Logs, Type:

By: Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
										SPCL				CONCRETE 0-5"
											1			CLAYEY SAND (SC) LIGHT BROWN (10YR 6/3) MOIST, MED DENSE,
														LOW EST. IK, VFG-FG SUBANG SAND 10-15% CLAY, 5% MG,
											2			2-3% CG
											3			
											4		?	4'? SILTY SAND (SM) YELLOWISH BROWN (10YR 5/4) MOIST, MED. DENSE
										SPCL				LOW EST. IK VFG SUBANG SAND 5% CLAY 15-20% SILT, 1-2% FG
		↓	6	3	6	NU/0					5			1% ANG, 1% CG, COBS, SUBANG, PEBBLES TO 10mm Ø, MOIST
											6			W/ CALICHE, HEAVY AT 5.5FT
											7			
										SPCL	8		?	8'? GRAVELLY SAND (SW) YELLOWISH BROWN (10YR 5/6) MOIST
KAFB-STAGE 2B 0913		↓	24	22	17	BG/0					9			MED. DENSE, NON-HEG EST. IK, VFG-FG SUBANG. SAND. 10% VFG.
											10			5-10% ANG, 10-15% CG 15-25% SUBANG. PEBBLES TO 9mm Ø

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56 | Borehole/Well No.: SB59-04

Notes:

11'-13' SAME AS AT 9-11 FT

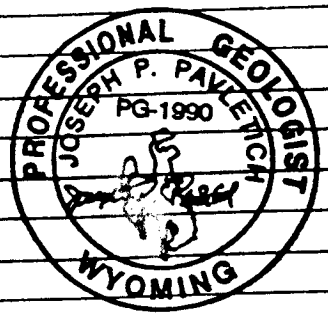
15.25 CLAYEY SILT (ML) DARK YELLOWISH BROWN (10YR 4/6) MOIST
MED STIFF LOW EST IR, 20-30% CLAY. OCCAS. SAND (~2mm)
PATCHES OF VFG. SAND
@ 16-16.5 + 2-3% SUBROUND PEBBLES TO 3mm Ø
WET AT 17'

17' SANDY GRAVEL (GW) LIGHT YELLOW BROWN (10YR 6/4) MOIST, MED. DENSE, MOD. EST IR. SUBROUND PEBBLES TO 25mm Ø. 1-2% SILT, 5% VFG, 5% FG, 10% MG, 10-15% CG.

17.75' SILTY SAND (SM) YELLOWISH BROWN (10YR 5/6) MOIST, MED. DENSE LOW-MOD. EST. IR, VFG SUBANG. SAND 5-10% CLAY, 20-25% SILT. W/ SCATTERED ELLIPTIC CONCRETIONS.

18.25' SAND (SP) DARK YELLOWISH BROWN (10YR 4/6) MOIST, MED-DENSE MOD. EST. IR, VFG-FG SUBANG. SAND. 5% SILT, 1-2% MG.

19.75 SAND/SP, DARK YELLOWISH BROWN (10YR 4/6) MOIST, MED. DENSE MOD. EST. IR, VFG SUBANG. SAND 5-10% SILT.



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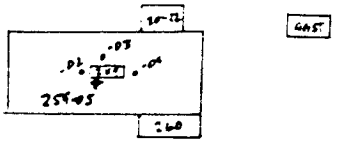
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION — N



Project: KAFB Stage 2B	Borehole/Well No: SS259-05
	Job No: 2A56
Logged By: J. Pavletich	Edited By: JP
Project Manager: K. Walter	Drill Rig: Geoprobe
Drilling Contractor: BRE	
Driller/Helper: B. Wolfe	
Drilling Method: Geoprobe Construction Method Code: DT (driven), HA = Hand Augered	
Sample Method: LARGE - BORE SAMPLER	
Hammer Weight/Drop: N.A.	Borehole Diameter: 1.375"
Started, Time: 0950	Date: 6-21-94
Completed, Time: 1400	Date: 6-21-94

Notes: SPLITS TAKEN FOR EPA

BACKGROUND = 10 UR/HR

HNu/FID	0/4					
β-γ (cpm)	40-80					
Time	0950					
Date						

Total Depth: 20 FT — Casing Depth:

Screened Interval:

Sand Pack, #3: — #0:

Well Development Method:

Time: — Date: — Flow Rate:

Geophysical Logs, Type:

By: — Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
										SSDV				CONCRETE 0-7"
											1			CLAYEY SAND (SC) LT YELLOW BROWN (10YR 6/4) MOIST-DAMP
														LOW EST. IK, VFG-FG SUBANG SAND. 10-15% CLAY, 20-25% SILT.
											2			1-2% MG. 1-2% CG.
											3			
										SSDV	4		~7	4'? SILTY SAND (SM) YELLOWISH BROWN (10YR 5/4) MOIST, MED DENSE,
										SSDV				LOW-MOD EST. IK, VFG SUBANG SAND 5-10% CLAY, 15-20% SILT. 5-10% FG.
		↓	6	6	G	0/4 PID=2.9					5			1% MG. OCCAS SUBANG PEBBLES TO 10mm Ø
											6			
											7			
										SSDV	8		~7'	8'? GRAVELLY SAND (SW) LT YELLOWISH BROWN (10YR 6/4) MOIST,
KMB-SS259-0505			24	22	G	0/5 @ 1400 TMD					9			MED. DENSE-DENSE, MOD-HIGH EST. IK, MG SUBANG. SAND 5-10% FG, 15-20% SUBANG PEBBLES TO 8mm Ø.
											10			

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2AS6 | Borehole/Well No.: ST259-05

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recv'd	Sample Cond.	HNu/FID	Analysis	Lithology Code	(USCS)	Depth (ft)	Recovery	Contact	
							(PID SVOC, METALS, TEPH)		TEPH				
						0/11.5 (BGS)	SVOC	DRO	GRO				
			24	22	G	AT 60-110 2-10	(PID VOC)	VOC					11.4' SANDY GRAVEL (GW) DARK YELLOWISH BROWN (10YR 4/4) MOIST
							METALS	As Pb	MOISTURE				MED DENSE - DENSE, MOD-HIGH EST. IL, ANG GRAVEL 4-8mm 0 5% SILT,
													5% VFG, 10% MG 15% CG
													@ 13 ft - 10% VFG, 15% FG, 5-10% MG, 5-10% CG,
													14' CLAYEY SAND (SC) DARK YELLOWISH BROWN (10YR 4/6) MOIST, MED.
													DENSE LOW EST. IL VFG SUBROUNDED SAND. 15% CLAY, 20-25% SILT
			6	6	4	0/8 (BGS)			SCL				
						AT 60-110 2-10							16' SILTY SAND (SM) DARK YELLOWISH BROWN (10YR 4/4) MOIST - DAMP
			24	19	G				SM				LOW EST. IL, FG SUBROUNDED SAND 5% CLAY, 20-25% SILT, 5-10% MG
KAFB-ST259-0516						0/8 (BGS)							5% CG, 2-3% SUBROUNDED PEBBLES TO 5mm Ø
						AT 10-80 2-10	(PID SVOC, METALS, TEPH)		SCL				17.25' CLAYEY SILT (ML) DARK YELLOWISH BROWN (10YR 4/4) MOIST, MED.
							SVOC	DRO	GRO				STIFF. LOW EST. IL, 20-30% SILT 2-3% VFG.
			24	20	G				SM/SCL				17.75' SAND (SP) DARK YELLOWISH BROWN (10YR 4/6) MOIST. DENSE. LOW-
						0/9	VOC						MOD. EST. IL, VFG - FG SUBANG. SAND. 5% SILT. 2-3% MG. 1% CG
						AT 10-80 2-10	(PID - VOC)						[illegible] BOTTOM OF CORE
							METALS	As Pb	MOISTURE	20		T.D.	

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PG-[illegible]
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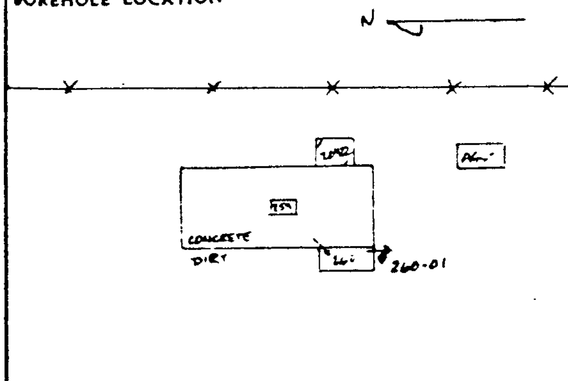
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: ST260-01
	Job No: 2A56
Logged By: J. Pavletich	Edited By: JP
Project Manager: K. Walter	Drill Rig: Geoprobe
Drilling Contractor: BRE	
Driller/Helper: B. Wolfe	
Drilling Method: Geoprobe Construction Method Code (V) (driven), HA = Hand Augered	
Sample Method: LARGE-BORE SAMPLER	
Hammer Weight/Drop: NA	Borehole Diameter: 1.375"
Started, Time: 0900	Date: 6-22-94
Completed, Time: 1020	Date: 6-22-94

Notes: SPLITS FOR EPA TAKEN AT THIS SITE

BACKGROUND γ = C/HR

HNu/PID	0/5.5					
β-γ (cpm)	80-120					
Time	0911					
Date	6-22-94					

Total Depth: 14 FT.	Casing Depth:
Screened Interval:	
Sand Pack, #3:	#0:
Well Development Method:	
Time: Date:	Flow Rate:
Geophysical Logs, Type:	
By:	Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
										SDVF-SDFN	0			(SURFACE) SAND (SP) LIGHT YELLOWISH BROWN (10YR 6/4) DRY LOOSE, MOD. EST. IK, VFG-FG SUBANG SAND 5% SILT. 2-3% MG 1% CG ANG-RND PEBBLES TO 50mm ON SURFACE.
											1			
											2			
											3			4'? SILTY SAND (SM) VERY PALE BROWN (10YR 7/4) MOIST, MED. DENSE. LOW EST. IK, VFG-FG SUBANG SAND 5% CLAY 15-20% SILT 1% MG 1% CG HEAVILY STAINED W/ CALICHE OCCAS. SUBANG PEBBLES TO 5mm
										SDFN	4			
KAFB-ST260-01 0599			24	22	G	1/1 (Bkg) 8-10 / β-γ 80-100	(PREC- SVOC METALS TPH) SVOC TPH MSD				5			
											6			
			24	18	G	0.12/6.4 (SS-) β-γ 80-100 7-9	METALS Be PM MOTOC (PREC-VOC) VOC			SDSL	7			7' SILTY SAND (SM) YELLOWISH BROWN (10YR 5/6) MOIST, MED. DENSE. LOW EST IK VFG-FG SUBANG. SAND 5-10% CLAY, 15-20% SILT. 2-3% MG.
										SDVF	8			8.25' SAND (SW) LIGHT YELLOWISH BROWN (10YR 6/4) MOIST, MED. DENSE LOW EST. IK. VFG SUBANG SAND 5-10% SILT, 10% FG 2-3% MG 2-5% CG
										SDFN	9			8.75' GRAVELLY SAND (SW) LIGHT YELLOWISH BROWN (10YR 6/4) MOIST, DENSE, MOD.-HIGH EST. IK. VFG SUBANG. SAND. 10% FG. 5% MG. 10-15% SUBANG
											10			

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56

Borehole/Well No.: ST 260-01

Notes.

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	(Real) HNu/FID	Analysis	Lithology Code	Depth (ft)	Contact	Notes
KAFB-ST260-01 10/14		↓	21	21	7	0-1 (Real); BG to HO 0.5	(TOC - SADC METALS, TEPH; SVOC DRO GRO)	(SP/SW?) 5 2.5YR ↓	10–12		PEBBLES TO 7mm Ø; 10' GRAVELLY SAND/SW) YELLOW BROWN (10YR 5/6) MOIST, DENSE, MOD-HIGH EST. K MED SUBANG SAND 5% VFG 15-20% FG 10-15% CG 15-20% SUBANG PEBBLES TO 10mm Ø. LARGE PEBBLES (>25mm Ø) AT 12 FT
		↓	21	22	5	0-3/5.0 (Real); BG to HO 0.10	VOC; (TOC - VOC; VERTICAL PA MOIST	↓	12–14	SP	12-14', SAME AS AT 10'

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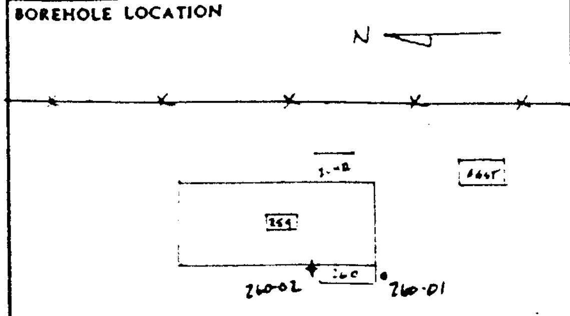
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project:	KAFB Stage 2B
Borehole/Well No:	ST260-02
Job No:	2A56
Logged By:	J. Pavletich
Edited By:	JP
Project Manager:	K. Walter
Drill Rig:	Geoprobe
Drilling Contractor:	BRE
Driller/Helper:	B. Wolfe
Drilling Method:	Geoprobe Construction Method Code = V (driven), HA = Hand Augered
Sample Method:	LARGE-BORE SAMPLER
Hammer Weight/Drop:	NA
Borehole Diameter:	1.375"
Started, Time:	1030
Date:	6-22-94
Completed, Time:	1140
Date:	6-22-94

Notes: SPLITS FOR EPA TAKEN AT THIS SITE

BACKGROUND γ - 10

HNu/PID	0/45					
β-γ (cpm)	40-100					
Time	1035					
Date	6-22-94					

Total Depth: 14 FT	Casing Depth:	
Screened Interval:		
Sand Pack, #3:	#0:	
Well Development Method:		
Time:	Date:	Flow Rate:
Geophysical Logs, Type:		
By:		Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/PID Reading	Analyses	Lithology Code	Depth in Feet	LITHOLOGIC DESCRIPTIONS
								SP-SP/SM	0–1	(SURFACE) SAND (SP) LIGHT YELLOWISH BROWN (10YR 6/4) DRY, LOOSE, MOD. EST. IK, VFG-FG SUBANG SAND. 5% SILT 2-3% MG, 5-10% CG. ANG. PEBBLES TO 12mm Φ ON SURFACE
									1–4	
								SM	4	4'? SILTY SAND (SM) VERY PALE BROWN (10YR 7/4) MOIST, MED DENSE LOW EST. IK, VFG SUBANG SAND 5% CLAY. 15-20% SILT, 1% MG. OCCAS. SUBANG. PEBBLES TO. 4mm Φ. HEAVILY CALICHE STAINED
			24	21	6	0.20/4.5-7 (BKGD) βγ: 60-100 γ:10	SVOC TOO GLO. (FEC-SVOC, METALS, TEPH)	SM	5–6	6' SILTY SAND (SM) YELLOW BROWN (10YR 5/4) MOIST, MED. DENSE, LOW EST. IK VFG SUBANG SAND. 5-10% CLAY, 10-15% SILT. @7' 1-7% MG.
AMB-ST260-02 0507			24	20	6	0.1/9 (BKGD) βγ: 60-80 γ: 9	VOC (FEC-VOC METALS Hg pH MOIST.	SM	8–9	8' SILTY SAND (SM) YELLOWISH BROWN (10YR 5/4) MOIST. MED DENSE. LOW-MOD. EST IK. VFG SUBANG SAND 10-15% SILT, 10% FG 1-2% MG. OCCAS ANG PEBBLES TO 7mm Φ
									10	

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56 | Borehole / Well No.: S 260-02

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/FID	Analysis	Lithology Code	(USCS)	Depth (ft)	Recovery	Contact
			24	17	G				SAME			
KAFB-S260-02 10W						0/1/0 BZ-10	(PRC - 10C)	SAND, MEDIUM	TEXAS	11	SAND	
			24	22	G	0/5/5 BZ-5	10C			12		
							(PRC - 10C)			13		
										14		13'

10' GRAVELLY SAND (SW) LT TEXAS BROWN (10YR 6/4) MOIST MED DENSE

MOD-HIGH PET IR. FG SUBROUND SAND 5-10% FG 5-10% MG 10-15% CG. 15-20% SUBANG PEBBLES TO 7mm ϕ

12'-14' SAME AS AT 10', PEBBLES TO 15mm ϕ

VERY DENSE AT 14 FT.

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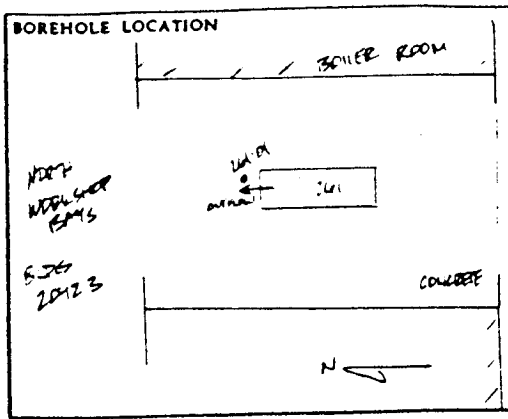
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: SFZ61-01
	Job No: 2A56
Logged By: J. Pavletich	Edited By: JP
Project Manager: K. Walter	Drill Rig: Geoprobe
Drilling Contractor: BCE	
Driller/Helper: B. Wolfe - SCAMP	
Drilling Method: Geoprobe Construction Method Code = V (driven), HA = Hand Augered	
Sample Method: LARGE-BORE SAMPLER	
Hammer Weight/Drop: N A	Borehole Diameter: 1.375"
Started, Time: 1325	Date: 6-22-94
Completed, Time: 1430	Date: 6-22-94

Notes: 3, 8'

BACKGROUND δ = 9 at/hr

HNu/PID	0/2
β-γ (cpm)	120-160
Time	1330
Date	6-22-94

PROFESSIONAL GEOLOGIST JOSEPH P. PAVLETICH PG-1930 WYOMING

Total Depth: 10 FT	Casing Depth:
Screened Interval:	
Sand Pack, #3:	
Well Development Method:	
Time: Date:	Flow Rate:
Geophysical Logs, Type:	
By:	

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/PID Reading	Analyses		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
			18	7	6	0/3 (BZ-100-220) 8'-9				SOIL	1			CONCRETE 0'-4"
														SILTY SAND (SM) LIGHT YELLOW BROWN (DYR 6/4) MOIST,
														MED DENSE, LOW EST IR. VFG SUBANG SAND 5-10% CLAY, 15-20% SILT.
											2			5% FG, 1% CG. OCCAS ANG. PEBBLES TO 3mm Ø. STAINED W/ CALICHE
											3			
KAFB-SFZ61-01 0305		1	24	22	6	0/3 (BZ-100-220) 8'-10	SIDE	DRY	GOOD		3.75			SAND (SP) BRIGHTISH YELLOW (DYR 6/6) MOIST, MED. DENSE
							VOC				4			MOD. EST IR. VFG SUBANG SAND 5-10% SILT, 5% FG. OCCAS. SUBANG
							MEOH	Hg ppt	MOIST					PEBBLES TO 4mm Ø.
											5			
											6			
											7			
											8			
KAFB-SFZ61-01 0305			24	22	6	0/3 (BZ-100-220) 8'-10	SIDE	DRY	GOOD		9			0-10 FT SAME AS AT 3.75 FT EXCEPT; <1% SILT,
							VOC							1% FG, 1% MG, 1% CG
							MEOH	Hg ppt	MOIST		10		T.D.	

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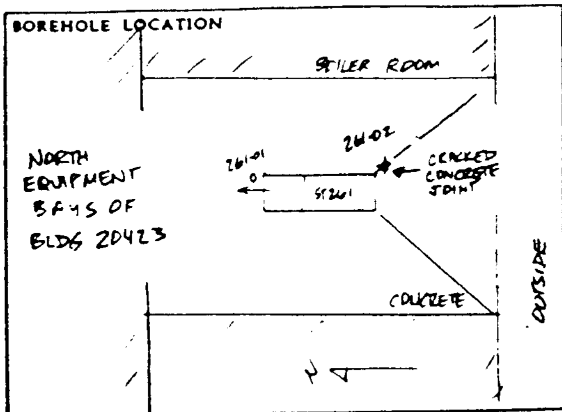
BOREHOLE / WELL CONSTRUCTION LOG

Page 1 of 1

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: ST261-02
	Job No: 2A56
Logged By: J. Pavletich	Edited By: JP
Project Manager: K. Walter	Drill Rig: Geoprobe
Drilling Contractor: BRE	
Driller/Helper: ~~B. Wolfe~~ S. CAMP	
Drilling Method: Geoprobe Construction Method Code = V (driven), HA = Hand Augered	
Sample Method: LARGE-BORE SAMPLER	
Hammer Weight/Drop: N.A	Borehole Diameter: 1.375"
Started, Time: 1430	Date: 6-22-94
Completed, Time: 1510	Date: 6-22-94

Notes: SINCE THERE IS NO INFLOW LINE (EXCEPT SMALL ONE (1")) FROM STEAM FLOOR, THIS HOLE PLACED NEAR THE CRACK / CONCRETE SEAM IN FLOOR.

BACKGROUND γ = 10 µR/HR

HNu/FID	0/3
β-γ (cpm)	80-110
Time	1420
Date	6-22-94

Total Depth: 10 FT

Casing Depth:

Screened Interval:

Sand Pack, #3:

Well Development Method:

Time: Date: Rate:

Geophysical Logs, Type:

By:

PROFESSIONAL GEOLOGIST JOSEPH P. PAVLETICH PG-1990 WYOMING

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact
		↓	12	12	6	0/3 βγ: 80-110				START ↓	0–3		
KAFB-ST261-02 0305		↓	14	21	6	0/5-20 βγ: 80-110	SVOC / VOC / METALS	TPD / Hg pH	GRD / MOISTURE	START	3–5		
KAFB-ST261-02 0810		↓	24	22	6	0/3 βγ: 80-110	SVOC / VOC / METALS	TPD / Hg pH	GRD / MOIST.	↓	8–10		TD

LITHOLOGIC DESCRIPTIONS

CONCRETE 0-4"

SILTY SAND (SM) GRAY (5GY 4/1) MOIST, MED. DENSE, LOW EST. K, VFG-FG SUBANG, SAND. 5-10% CLAY, 15-20% SILT, 2-3% FG. STAINED GRAY 0.5-1.0 FT. W/ DISCONT. FUEL/SOLVENT ODOR. YELLOW BROWN (10YR 5/6) & STAINED W/ CALICHE 1-1.5 FT.

3' SAND (SP) REDDISH YELLOW (10YR 6/6) MOIST, MED. DENSE, MOD. EST. K, VFG SUBRND SAND. 1-2% SILT, 1% CG, OCCAS. SUBANG PEBBLES TO 5mm Φ.

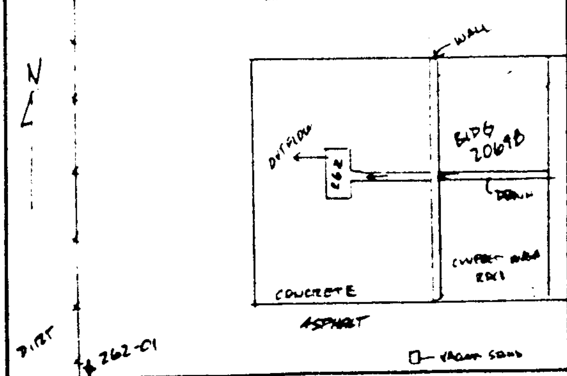
8-9 FT: SAME AS AT 3 FT

9-10 FT: SAME AS AT 3 FT EXCEPT 2-3% SILT, 5% FS, 2-3% CG.

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION	20683
Project	KAFB Stage 2B
Borehole/Well No:	ST262-01
Job No:	2A56
Logged By:	J. Pavletich
Edited By:	JP
Project Manager:	K. Walter
Drill Rig:	Geoprobe
Drilling Contractor:	3ZE
Driller/Helper:	B. Wolfe
Drilling Method:	Geoprobe Construction Method Code = V (driven), HA = Hand Augered
Sample Method:	Large Bore Sampler
Hammer Weight/Drop:	NA
Borehole Diameter:	1.375'
Started, Time:	0945
Date:	5-31-99
Completed, Time:	1030
Date:	5-31-99



Notes:

BACKGROUND γ = 9 μR/HR

HNu/FID	0/2.5					
β-γ (cpm)	40-80					
Time	0945					
Date	5-31-99					

Total Depth:	10 FT
Casing Depth:	
Screened Interval:	
Sand Pack, #3:	#0:
Well Development Method:	
Time:	Date: Flow Rate:
Geophysical Logs, Type:	
By:	Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses	Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
									SP/ST	0–1			SAND (ST) [illegible] YELLOW-BROWN (10YR 4/6) DRY, LOOSE-MED DENSE LOW EST. IK. VFG SUBANG SAND, 5-10% SILT, 10-15% VFG. OCCAS. SUBRND PEBBLES TO 9mm Ø OCCAS. RND PEBBLES TO 20mm+ Ø ON SURFACE
										1–4			
KAFB-ST262-01 04.5		↓	24	22	6	0/2.5 β-γ: 40-80 [illegible]	SVOC TPH PEST VOC [illegible] [illegible] By [illegible] HERE		↓ SP/ST	4–6			@4.5' SAME AS AT SURFACE, +STAINED W/ CALICHE 5.5' SAND (ST) YELLOW BROWN (10YR 5/6) MOIST, MED DENSE, LOW-MED. EST. IK. VFG SUBANG SAND, 5-10% SILT, 10-15% FG, 1-2% MG. OCCAS. SUBRND PEBBLES TO 15mm Ø. LIGHTLY CALICHE STAINED
										6–8			
KAFB-ST262-01 09.5		↓	24	18	6	0/2.5 β-γ: 40-80 [illegible]	SVOC TPH PEST		↓ GW/SP	8–10			8.5' ?: SANDY GRAVEL (GW) YELLOW-BROWN (10YR 6/4) MOIST MED DENSE-DENSE MED EST. IK SUBANG-SUBRND GRAVEL 5-15mm Ø 5% SILT, 10% VFG, 5% MG 10% CG. LARGE FLAKES OF WEATHERED BIOTITE COMMON.

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56

Borehole/Well No.: SB62-01

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/PID	Analysis	Laboratory Code	(PID)	Depth (ft)	Recovery	Contact
							VOC SVOC (METALS TCLP)			11		T.D.
										2		
										3		
										4		
										5		
										6		
										7		
										8		
										9		
										0		
										1		
										2		
										3		
										4		
										5		
										6		
										7		
										8		
										9		
										0		

PROFESSIONAL GEOLOGIST
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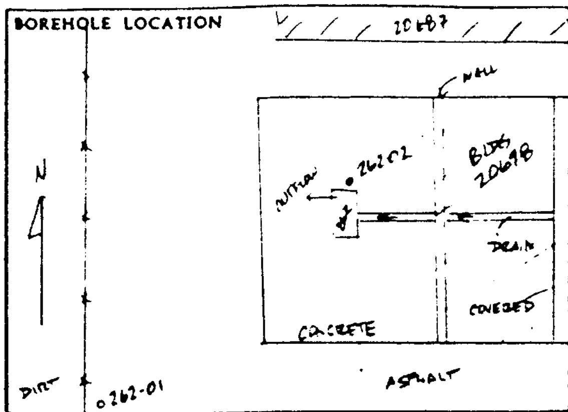
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: ST262-02
	Job No: 2A56
Logged By: J. Pavletich	Edited By: JP
Project Manager: K. Walter	Drill Rig: Geoprobe
Drilling Contractor: BRE	
Driller/Helper: B. Wolfe	
Drilling Method: Geoprobe Construction Method Code = V (driven), HA = Hand Augered	
Sample Method: LARGE-BORE SAMPLER	
Hammer Weight/Drop: NA	Borehole Diameter: 1.375"
Started, Time: 1030	Date: 5-31-94
Completed, Time: 1115	Date: 5-31-94

Notes: BACKGROUND β-γ = [illegible]

HNu/FID	0/2				
β-γ (cpm)	60-80				
Time	1034				
Date	5-31-94				

Total Depth: 11 FT	Casing Depth:
Screened Interval:	
Sand Pack, #3:	#0:
Well Development Method:	
Time: Date:	Flow Rate:
Geophysical Logs, Type:	
By:	Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses	Lithology Code	Depth in Feet
			3	3	6	0/2 β-γ 60-80		SW	0–1
KAFB-ST262-02 0406			24	21	6	0/2 β-γ 80-100	SVOC, TPD PEST., VOC, [illegible]	SW/SP, SP/SW	4–6
KAFB-ST262-02 0810			24	22	6	0/2 β-γ 80-110	SVOC, TPD PEST.	SP/SW	8–10

LITHOLOGIC DESCRIPTIONS

CONCRETE 0 - 9"

SILTY SAND (SM) BROWN (7.5YR 5/4) MOIST, MED. DENSE, MED PERM. LOW EST. K, VFG-FG SUBANG SAND. 15% SILT, 5% MG QTZ SUBANG PEBBLES TO 8mm φ MOTTLES W/ CALICHE

4.75' SAND (SP) LT YELL-BRN (10YR 6/4) MOIST, MED. DENSE LOW-MOD. EST. K VFG SUBRND SAND 5% SILT 10% FG. OCCAS. CALICHE NODULES TO 5mm φ

5.75 SAND (SW) BROWNISH YELLOW (10YR 6/6) MOIST, MED DENSE, LOW-MOD. EST. K, FG SUBANG SAND. 5% SILT, 10% VFG, 10% MG, 5-10% CG. 10% SUBANG PEBBLES TO 5mm φ

8'? SAND (SP) YELLOWISH BROWN (10YR 5/6) MOIST, MED. DENSE, LOW-MOD EST K, VFG SUBRND SAND. 1-2% SILT, 5% FG.

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56

Borehole/Well No.: ST262-02

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/PID	Analysis		Lithology Code	(SDIF)	Depth (ft)	Recovery	Contact
		↓					VOC 4/70 [illegible] (metals [illegible] HCBS)			↓	11		T.D.
											2		
											3		
											4		
											5		
											6		
											7		
											8		
											9		
											0		
											1		
											2		
											3		
											4		
											5		
											6		
											7		
											8		
											9		
											0		

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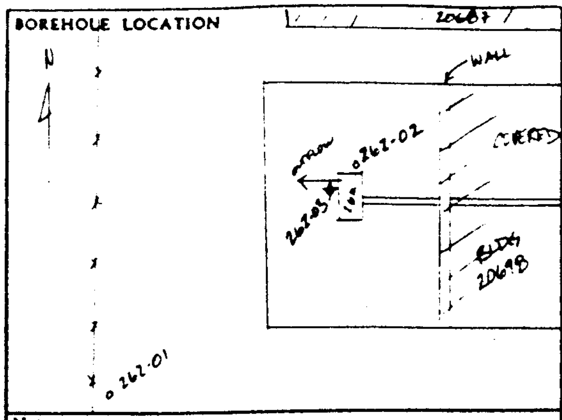
Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: ST262-03
	Job No: 2A56
Logged By: J. Pavletich	Edited By: JP
Project Manager: K. Walker	Drill Rig: Geoprobe
Drilling Contractor: SBE	
Driller/Helper: B. Wolfe	
Drilling Method: Geoprobe Construction Method Code ✓V (driven), HA = Hand Augered	
Sample Method: LARGE-BORE SAMPLER	
Hammer Weight/Drop: N.A.	Borehole Diameter: 1.375"
Started, Time: 1140	Date: 5-31-94
Completed, Time: 130	Date: 5-31-94

Notes:

BACKGROUND 7-9 µR/HR.

HNu/FID	0.2					
β-γ (cpm)	40-BC					
Time	1145					
Date	5-31-94					

Total Depth: 11 FT.	Casing Depth:
Screened Interval:	
Sand Pack, #3:	#0:
Well Development Method:	
Time: Date:	Flow Rate:
Geophysical Logs, Type:	
By:	Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
										SP/SM	0–1			CALCRETE 0-9"
			6	6	6	0/2 BG: 40-BG 7-9					1	X		SILTY SAND (SM) BROWN (7.5YR 5/4) MOIST-DAMP. MED. DENSE, LOW. EST. K, VFG-FG SUBANG SAND 10% CLAY, 20-30% SILT, 10% MG, 5% CG DECKS AND PEBBLES TO 10mm ϕ. CALCITE NODULES TO 5mm ϕ
											2			
										SP/SM	3		?—	—? 3'? SILTY SAND (SM) BROWN (7.5YR 5/4) MOIST MED. DENSE, LOW EST. K. VFG SUBANG SAND. 15% SILT, 5% MG, 1-2% CG.
KAFB-ST262-03 0406			24	21	6	0/2 BG: 40-BG 7-9	SVOC TPH PEST. VOC GRO (BTEX HL/A HOLD) (HOLD)			SM/SP	4–6	X	/	5.5' SAND (SP) YELLOWISH BROWN (10YR 5/6) MOIST, MED. DENSE MED. EST K. VFG-FG. SUBANG. SAND. <5% SILT, 5% MG. 1-2% CG. 2-3% SUBANG PEBBLES TO 10mm ϕ. WEATHERED BIOTITE COMMON
											7			
KAFB-ST262-03 0911			24	22	6	0/2 BG: 6-BG 2-9	SVOC TPH PEST.			SM/F-SP/N	8–10	X	?/	8'? SAND (SP) YELLOWISH BROWN (10YR 5/6) MOIST, MED. DENSE, LOW-MED EST K. VFG-FG SUBANG. SAND. 5% CLAY, 15-20% SILT 1% MG, 1% CG. WEATHERED BIOTITE COMMON

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56

Borehole/Well No.: SS262-03

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/PID	Analysis		Lithology Code	TYPE STRAT	Depth (ft)	Recovery	Contact
							VOC	6010					
							METALS	Pb NDGT					T.D.

PROFESSIONAL GEOLOGIST
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WYOMING

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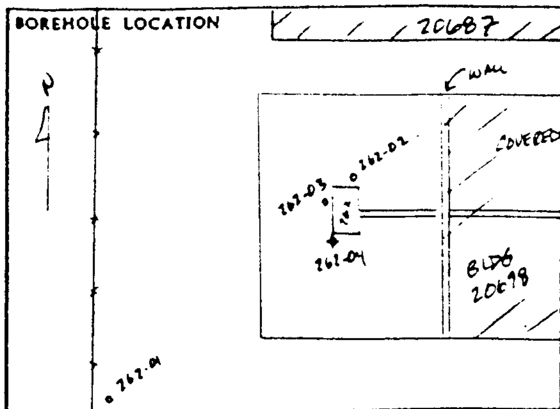
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	**Borehole/Well No:** ST262-04
	Job No: 2A56
Logged By: J. Pavletich	**Edited By:** JP
Project Manager: K. Walter	**Drill Rig:** Geoprobe
Drilling Contractor: BRE	
Driller/Helper: B. Wolfe	
Drilling Method: Geoprobe Construction Method Code = V (driven), HA = Hand Augered	
Sample Method: LARGE BORE SAMPLER	
Hammer Weight/Drop: N.A	**Borehole Diameter:** 1.375"
Started, Time: 1230	**Date:** 5-31-94
Completed, Time: 1330	**Date:** 5-31-94

Notes:

BACKGROUND 7-9

HNu/FID	0/1.75				
β-γ (cpm)	60-80				
Time	1235				
Date	5-31-94				

Total Depth: 12 FT	**Casing Depth:**
Screened Interval:	
Sand Pack, #3:	**#0:**
Well Development Method:	
Time: **Date:**	**Flow Rate:**
Geophysical Logs, Type:	
By:	**Date:**

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
			6"	3"	G	0/1.75 β-γ 40-80 7-8				STFN	0–1			CONCRETE 0 - 9" SILTY SAND (SM) BROWN (7.5YR 5/4) MOIST-DAMP, MED. DENSE, LOW EST. IK, VFG-FG SUBANG. SAND, 10% CLAY 20-30% SILT, 5-10% MG. 1% CG. OCCAS. RND PEBBLES TO 10mm ϕ CALICHE PATCHES TO 6 mm ϕ
											1–2			
											2–3			
											3–4			
KAFB-ST262-04-0409 KAFB-ST262-99-0409			24	18	F	0/1.75 β-γ 40-80 7-8	METALS Hg pH MOIST HERB. SVOC DOO PEST SVOC DOO PEST-R			STFN	4–6			5.5' SAND (SP) LT YELLOW BROWN (10YR 6/4) MOIST, MED. DENSE, MOD. EST. IK, VFG SUBANG SAND, <2% SILT, 10-15% FG. OCCAS. SUBANG. PEBBLES TO 10mm ϕ
											6–7			
KAFB-ST262-04-0912			36	22	G	0/1.75 β-γ 40-60 7-8	(METALS Hg pH MOIST) METALS-R VOC GRO VOC GRO-R			STFN-STFN	7–9			8' SAND (SP) YELLOWISH BROWN (10YR 5/6) MOIST, MED. DENSE, LOW-MED. EST. IK, VFG-FG SUBANG. SAND. 5-10% CLAY, 15-20% SILT 1% MG. OCCAS. SUBRND-SUBANG. PEBBLES TO 5mm ϕ
			36	22	G						9–10			

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56

Borehole/Well No.: ST262-04

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/PID	Analysis	Lithology Code	SD/FY SD/FN	Depth (ft)	Recovery	Contact	Notes:
						9/7K PT: BD 110 0.8	SVOC GRO REST VOC GRO (MTBE Pb pH MOIST) (TOC)		SD/GR	11			1135 SANDY GRAVEL (GW) YELLOW BROWN (10YR 6/4) MOIST, MED DENSE - DENSE, MOD. EST. K. SUBANG - SUBRND GRAVEL 5-15 mm Ø, 5% SILT, 10% VFG, 5% MG, 10% CG.
										12		T.D.	
										3			
										4			
										5			
										6			
										7			
										8			
										9			
										0			
										1			
										2			
										3			
										4			
										5			
										6			
										7			
										8			
										9			
										0			

PROFESSIONAL GEOLOGIST
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WYOMING

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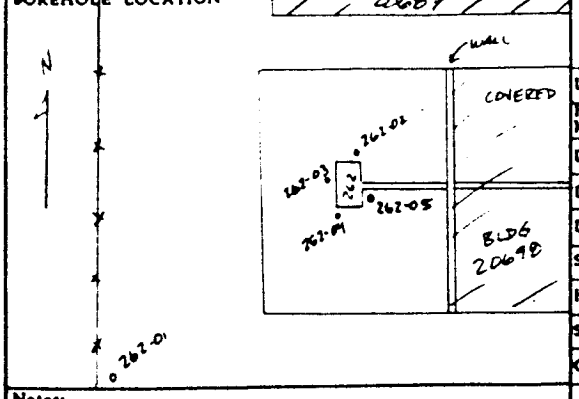
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION 20687



Project: KAFB Stage 2B	Borehole/Well No: SB262-05
	Job No: 2A56
Logged By: J. Pavletich	Edited By:
Project Manager: K. Walter	Drill Rig: Geoprobe
Drilling Contractor: BJE	
Driller/Helper: B. Wolfe	
Drilling Method: Geoprobe Construction Method Code = D (driven), HA = Hand Augered	
Sample Method: LARGE BORE SAMPLER	
Hammer Weight/Drop: N.A	Borehole Diameter: 1.375"
Started, Time: 1340	Date: 5-31-94
Completed, Time: 1445	Date: 5-31-94

Notes:

BACKGROUNDS θ = 0 ppm/HR

HNu/PID	0/1.5					
β-γ (cpm)	20-40					
Time	1347					
Date	5-31-94					

Total Depth: 11FT. Casing Depth:

Screened Interval:

Sand Pack, #3: #0:

Well Development Method:

Time: Date: Flow Rate:

Geophysical Logs, Type:

By: Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/PID Reading	Analytes		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
			6"	3"	G	0/1.5 (BZ: 0-2)				SAND	1			CONCRETE 0-9"
											2			SILTY SAND (SM) BROWN (7.5YR 5/4) ALLUV. DRAINAGE, MED DENSE, LOW EST IR, VFG-FG SUBANG SAND, 10% CLAY, 20-30% SILT, 5-10% MG, 1-2% CG, OCCAS RND PEBBLES TO 10mm ϕ CALICHE PATCHES TO 15mm ϕ
											3		?	3'? SILTY SAND (SM) BROWN (7.5YR 5/6) MOIST, MED DENSE, LOW EST IR, VFG-CG SUBANG SAND. 5-10% CLAY, 15-20% SILT, 5-20% G. 1-2% DECOMP. SUBANG PEBBLES TO 4mm ϕ.
KAFB-SB262-05-0406			24	20	G	0/1.5 (BZ: 0-0)	SVOC	TPHD	PAH		5			
							VOC	GRO						
							METAL		14 PP MOST. HEAVIES.		6			
											7			
											8			8'? SAND (SP) REDDISH BROWN (10YR 5/6) MOIST, MED DENSE, MOD. EST. IR, VFG-FG SUBANG SAND 5-10% CLAY, 15% SILT, 1% MG.
KAFB-SB262-05-0911			24	20	G	0/1.5 (BZ: 0-0)				SAND	9			OCCAS. SUBANG PEBBLES TO 5mm ϕ
							SVOC	TPHD	PEST		10			

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56

Borehole/Well No.: SB262-05

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/FID	Analysis		Laboratory Code		Depth (ft)	Recovery	Contact
							VOC	GRO			1		T.D.
											2		
											3		
											4		
											5		
											6		
											7		
											8		
											9		
											0		
											1		
											2		
											3		
											4		
											5		
											6		
											7		
											8		
											9		
											0		

PROFESSIONAL GEOLOGIST
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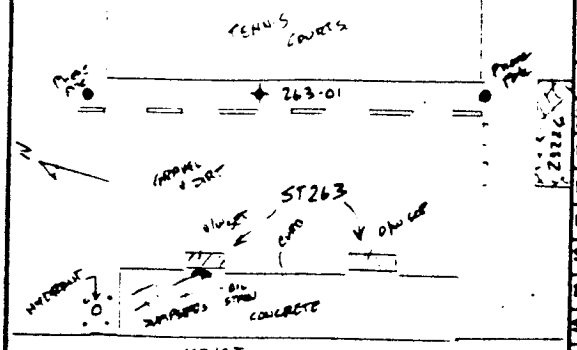
BOREHOLE / WELL CONSTRUCTION LOG

Page 1 of 1

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: ST-263-01
	Job No: 2A56
Logged By: J. Pavletich	Edited By: JP
Project Manager: K. Walter	Drill Rig: Geoprobe
Drilling Contractor: BRE	
Driller/Helper: B. Wolfe / S. CAMP	
Drilling Method: Geoprobe Construction Method Code: V (driven), HA = Hand Augered	
Sample Method: LARGE BORE SAMPLER	
Hammer Weight/Drop: N.A	Borehole Diameter: 1.375"
Started, Time: 0900	Date: 5-5-94
Completed, Time: 1000	Date: 5-5-94

Notes: SAMPLE DEPTHS - 3', 8'

BACKGROUND γ = 9 uR/HR

HNu/PID	1 / 3.5
β-γ (cpm)	40-60
Time	0900
Date	5-5-94

PROFESSIONAL GEOLOGIST JOSEPH P. PAVLETICH PG-1930 WYOMING

Total Depth: 10 FT	Casing Depth:
Screened Interval:	
Sand Pack, #3:	#0:
Well Development Method:	
Time: Date:	Flow Rate:
Geophysical Logs, Type:	
By:	Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/PID Reading	Analyses		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
										SP/SM				SILTY SAND (SM) BROWN (7.5YR 4/4) DRY, LOOSE-MED.
											1			DENSE, MOD. EST IK, VFG-FG SUBANG. SAND, 15-20% SILT,
										SP/SM				5-10% MG, 1-2% CG, OCCAS. SUBRND, END PEBBLES TO 20mm Ø
											2			4% ORGANIC FRAGMENTS.
														2' SILTY SAND (SM) BROWN (10YR 4/4) MOIST, MED. DENSE,
KAFB-ST263-01 03DS			24	22	G	1/2.5 10-40-80	MOIST	4 pH	NO ODOR		3	X		LOW EST. IK, VFG SUBANG SAND 5% CLAY, 20-25% SILT, 10% FG
							VOC	GOOD						2-3% MG, 1% SUBRND PEBBLES TO 10mm d.
							SVOC	DRO			4			4.75' SILTY SAND (SM) TAN (10YR 7/3) MOIST, MED DENSE,
										SP/SM				LOW EST. IK. VFG. SUBANG SAND, 20-30% SILT, 5-10% FG, 1-2% MG
											5			AT 5FT, POSSIBLE ASPHALT FRAGMENT (?)
											6			
											7			
														9' SAND (SP) BROWN (7.5YR 5/4) MOIST, MED DENSE, MOD
KAFB-ST-263-01 0810			24	19	G	1/2.5 10-40-80	SVOC	DRO			8			EST IK, VFG SUBANG. SAND, 5-10% SILT, 10-15% FG 5-10% MG.
							VOC	GOOD						WHITE MOTTLES COMMON. GRADING COARSER WITH DEPTH
							METALS	Hg pH	ODOR	SP/SM	9			@ 10' TO FG. SUBANG SAND, 10-15% VFG, 10-15% CG, 1-2%
											10		T.D.	SUBANG. PEBBLES TO 5mm Ø

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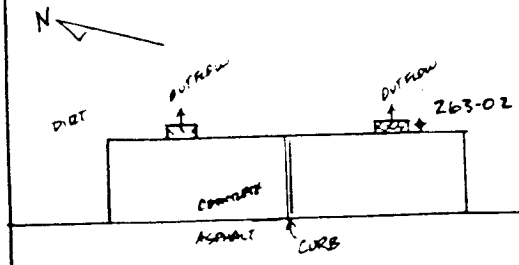
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: SB-263-02
	Job No: 2A56
Logged By: J. Pavlotich	Edited By:
Project Manager: K. Walter	Drill Rig: Geoprobe
Drilling Contractor: BRE	
Driller/Helper: B. Wolfe / S. CAMP	
Drilling Method: Geoprobe Construction Method Code = V (driven), HA = Hand Augered	
Sample Method: LATEX BORE SAMPLER	
Hammer Weight/Drop: N.A	Borehole Diameter: 1.375"
Started, Time: 1000	Date: 5-5-94
Completed, Time: 1100	Date: 5-5-94

Notes:

BACKGROUND B = 9 mR/HR

HNu/PID	1/2				
β-γ (cpm)	40-60				
Time	1000				
Date	5-5-94				

Total Depth: 11 FT. Casing Depth:

Screened Interval:

Sand Pack, #3: #0:

Well Development Method:

Time: Date: Flow Rate:

Geophysical Logs, Type:

By: Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/PID Reading	Analysis		Lithology Code	Depth in Feet	Recovery / Sample Loc.	Contact
KAFB-5/263-02 0305			24	20	G	1/2 BKG = 60-100	SVOC	TOC				
							VOC	TOX				
							METALS	Hg	PH			
KAFB-5/263-02 0810			36	21	G	1/2 @ 8-10 FEET	SVOC	TOC				

LITHOLOGIC DESCRIPTIONS

SILTY SAND (SM) BROWN (7.5YR 4/6) DRY, MED. DENSE LOW-MOD EST. IK, VFG-FG SUBANG. SAND, 15-20% SILT, 5% MG 1-7% CG OCCAS SUBRND PEBBLES TO 7mm ϕ

V. DENSE 1'-3'

2.5' SANDY SILT (ML) BROWN (10YR 5/4) DRY, V. STIFF, LOW EST IK 10-15% VFG, 5-10% FG 1-5% MG 1% CG.

3.75' SAND (SP) BROWN (10YR 6/4) DRY DENSE, LOW EST IK, VFG SUBANG. SAND, 5-10% SILT, 20-30% FG, 5-10% MG-CG. OCCAS SUBRND PEBBLES TO 5 mm.

5' SANDY GRAVEL (GW) BROWN. (10YR 5/4) DRY, V. DENSE, MOD. EST IK, SUBANG. PEBBLES TO 20mm ϕ, 5% SILT, 10-20% VFG-FG 15-20% MG-CG. WEATHERED BIOTITE COMMON.

CONTACT DRILLER.

7'? SILTY SAND (SM) BROWN (7.5YR 5/4) MOIST, DENSE, LOW EST IK, VFG SUBANG SAND 5-10% CLAY, 20-30% SILT, 2-5% FG WEATHERED BIOTITE COMMON

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56

Borehole/Well No.: ST 263-02

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/PID	Analysis		Lithologic Code	(Stick)	Depth (ft)	Recovery	Contact
							VOC	4OZ					
		V					METALS	Hg pH	MOIST.	SLR	11		

10.7' SANDY GRAVEL SAME AS AT 5'

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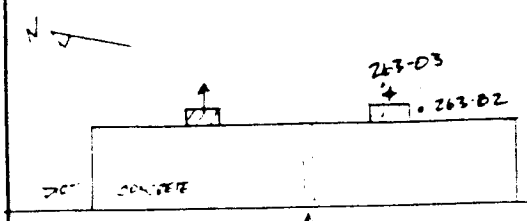
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: SS-263-03
Logged By: J. Pavletich	Job No: 2A56
Project Manager: K. Walter	Edited By: JP
Drilling Contractor: BOE	Drill Rig: Geoprobe
Driller/Helper: B. Wolfe / S. CAMP	
Drilling Method: Geoprobe Construction Method Code = √ (driven), HA = Hand Augered	
Sample Method: LARGE BORE SAMPLER	
Hammer Weight/Drop: N A.	Borehole Diameter: 1.375"
Started, Time: 1100	Date: 5-5-94
Completed, Time: 1200	Date: 5-5-94

Notes:

Background = 1 mR/hr

HNu/FID	1 / 1.95					
β-γ (open)	~0-50					
Time	1100					
Date	5-5-94					

Total Depth: 12 FT. Casing Depth:

Screened Interval:

Sand Pack, #3: #0:

Well Development Method:

Time: Date: Flow Rate:

Geophysical Log, Type:

By: Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analysis		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
										SM				S.M SAND (SM) BROWN (7.5YR 4/6) DRY, MED DENSE
											1			LOW-MOD EST IK, VFG-FG SUBANG. SAND 15-20% SLT, 5% MG
														1-2% CG, OCCAS. SUBRND PEBBLES TO 10 mm ϕ OCCAS. ORGANIC
											2			FRAGMENTS
											3			2' SILTY SAND (SM) RED BROWN (5YR 4/6) MOIST, MED DENSE
			24	21	6	1/2 80-100 cpm	SVOC	DRO						LOW EST IK, VFG-FG SUBANG. SAND, 5-10% CLAY, 20-25% SLT, 5%
KAFB-SS263-03 03 05							VOC	GRO			4			MG. 1-2% CG.
							METALS	Hg FA	PHOS.					
											5			5' SANDY GRAVEL (GW) BROWN (10YR 5/4) DRY, V. DENSE
			24	2"	P									MOD. EST. IK, SUBANG, PEBBLES TO 20mm ϕ 5% SILT, 10-20%
											6			VFG-FG, 15-20% MG-CG WEATHERED BIOTITE GRANITE
											7			
KAFB-SS263-04 05 06														
											8			8' SILTY SAND (SM) BROWN (7.5YR 5/4) MOIST, MED DENSE
			24	20	6	1/2 80-100 cpm	SVOC	DRO						LOW EST IK, VFG SUBANG. SAND, 5% CLAY, 20-25% SILT, 15% FG.
							SVOC	DRO	R		9			OCCAS SUBANG PEBBLES TO 5mm ϕ PEDOGAL CALICHE STRINGERS TO
						150-80-100 cpm	METALS	Hg FA	MOIST.					2mm LOAM, AT 9.5'
											10			9.5' SANDY GRAVEL BROWN (2.5YR 4/4) DRY V. DENSE,

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2AS6

Borehole/Well No.: ST 263-03

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/PID	Analysis		Lithology Code	(SP)	Depth (ft)	Recovery	Contact
		↓	24	22	6	0/2 B.7-20 ppm	METALS	Hg pH	MOIST-R	↓	11		
							VOC	VOC-R		SP ↓	12		TD.

MOD EST IK MED-CS SUBANG SAND, 5% SILT, 15-20% VFG-FG, 15% CS RND PEBBLES TO 15mm Ø

10.5' SILTY SAND (SM) BROWN (7.5YR 5/6) MOIST, MED DENSE LOW EST IK, VFG SUBANG SAND, 5-10% CLAY, 20-30% SILT, 1-5% FG, 1% MC

PROFESSIONAL GEOLOGIST
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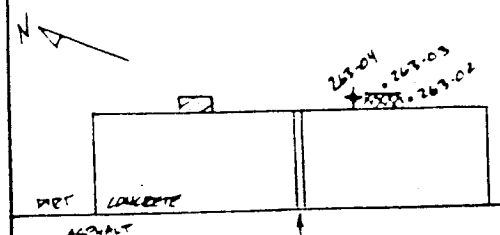
PG-10[illegible]
WYOMING

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: SS-263-04
	Job No: 2A56
Logged By: J. Pavletich	Edited By: JP
Project Manager: K. Walter	Drill Rig: Geoprobe
Drilling Contractor: BASE	
Driller/Helper: B. Wolfe S. CAMP	
Drilling Method: Geoprobe Construction Method Code: DV (driven), HA = Hand Augered	
Sample Method: LARGE - BORE SAMPLER	
Hammer Weight/Drop: N.A.	Borehole Diameter: 1.375"
Started, Time: 1230	Date: 5-5-94
Completed, Time: 1345	Date: 5-5-94
HNu/FID: 1/2	
β-γ (cpm): 60-80	
Time: 1230	
Date: 5-5-94	

Notes:

BACKGROUND β-γ 8-9 mR/HR

PROFESSIONAL GEOLOGIST JOSEPH P. PAVLETIC PG-1990 WYOMING

Total Depth: 10 FT	Casing Depth:
Screened Interval:	
Sand Pack, #3:	
Well Development Method:	
Time: Date:	
Geophysical Logs, Type:	
By: Date:	

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses		Lithology Code	Recovery / Sample Loc.	Depth in Feet	Contact	LITHOLOGIC DESCRIPTIONS
										SAL			SILTY SAND (SM) BROWN (7.5YR 4/6) DRY, MED DENSE
											1		LOW-MOD. EST IK VFG-FG SUBANG SAND 15-20% SILT, 5% MG
													1-2% CG DCLAS. SUBRND PEBBLES TO 10mm ϕ OCCAS. ORGANIC
											2		FRAGMENTS
													SAND (SP) BROWN (7.5YR 4/6) MOIST DENSE,
											3		LOW-MOD EST IK VFG SUBANG. SAND, 5% SILT, 15% FG
KAFB-SS263-04 0805			24	21	G	1/2 150 = 80-100	SOIL	DRD					2-3% MG OCCAS. SUBANG PEBBLES TO 5mm ϕ
							VOC	GOO			4		4' SANDY GRAVEL (GW) BROWN (7.5YR 6/4) DRY,
							MEDIUM	PH	MOIST	GRAV			DENSE, LOW EST IK. SUBANG-SUBRND PEBBLES TO 15mm ϕ, 5%
											5		SILT, 5% VFG, 5% FG, 10-20% MG-CG, 20% VCG. OCCASIONAL
													BIOTITE COMMON
										SAND	6		6' SAND (SP) BROWN (7.5YR 4/6) MOIST, MED. DENSE
											7		LOW EST. IK, FG SUBANG. SAND, 5% SILT, 10-15% VFG, 2-3%
													MG, 1-2% CG
KAFB-SS263-04 0810			24	21	G	1/2 EST. VOA CONTAM	SOIL	DRD			8		9' SANDY GRAVEL (GP) BROWN (7.5YR 5/4) DRY, DENSE
							VOC	GOO					MOD. EST IK, MG-SUBANG PEBBLES 3-7mm ϕ, 1% SILT, 5-10%
							MEDIUM	PH	MOIST	GRAV	9		VFG, 5-10% FG, 5-10% MG, 20% CG-VCG
											10		

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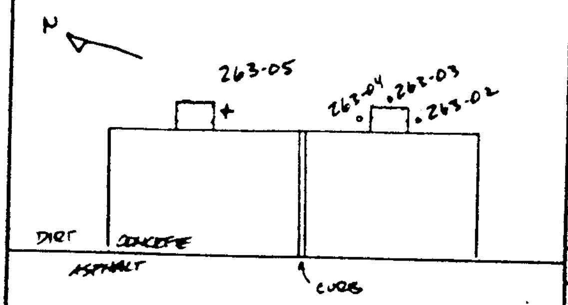
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project:	KAFB Stage 2B
Borehole/Well No:	ST-263-05
Job No:	2A56
Logged By:	J. Pavletich
Edited By:	JP
Project Manager:	K. Walker
Drill Rig:	Geoprobe
Drilling Contractor:	BRS
Driller/Helper:	B. Wolfe / S. CAMP
Drilling Method:	Geoprobe Construction Method Code = V (driven), HA = Hand Augered
Sample Method:	LARGE BORE SAMPLER
Hammer Weight/Drop:	NA
Borehole Diameter:	1.375"
Started, Time:	1350 Date: 5-5-94
Completed, Time:	1440 Date: 5-5-94

Notes:

BACKGROUND 8-10 µR/HR

HNu/PID	1/2
β-γ (cpm)	2040
Time	1360
Date	5-5-94

Total Depth: 10 FT
Casing Depth:
Screened Interval:
Sand Pack, #3:
Well Development Method:
Time: Date: Flow Rate:
Geophysical Logs, Type:
By: Date:

PROFESSIONAL GEOLOGIST JOSEPH P. PAVLETICH PG-1990 WYOMING

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/PID Reading	Analyses		Lithology Code		Depth in Feet
KAFB-ST263-05 0306			36	21	4	1/2 PID=60-80 ppm	SVOC / VOC / METALS	DRO / GRO / Hg pH	MOIST	5% H₂O / 6% H₂O / 13% H₂O	3–6
KAFB-ST263-05 0810			24	21	4	0/2 PID=20-30	SVOC / VOC / METALS	DRO / GRO / Hg pH	MOIST	20% H₂O / 5% H₂O	8–10

LITHOLOGIC DESCRIPTIONS

SILTY SAND (SM) BROWN (7.5YR 4/6) MED. DENSE LOW-MOD EST IK VFG-FG SUBANG. SAND, 15-20% SILT, 5% MG, 1-2% CG OCCAS SUBANG-SUBRND PEBBLES TO 7mm Ø OCCAS. ORGANIC MATTER.

?-? POSSIBLE GRAVEL ABOUT 4' (DRILLERS)

5' SILTY SAND (SM) BROWN (7.5YR 5/6) MOIST, MED. DENSE LOW EST IK, VFG SUBANG. SAND, 5-10% CLAY, 20-25% SILT, 5% MG 1% CG.

8.4' SAME AS AT 5', CALICHE PATCHES TO 5mm Ø

9' SANDY GRAVEL (GP) BROWN (7.5YR 5/4) DRY, DENSE, MOD. EST IK, ANG-SUBANG PEBBLES 3-7mm Ø 1-2% SILT, 5% VFG, 5-10% FG, 5-10% MG, 20% CG-VCG,

9.5' SILTY SAND (SM) RD-BROWN (5YR 4/6) MOIST, MED DENSE LOW EST IK, VFG SUBANG SAND, 5-10% CLAY, 20-30% SILT, 1-2% FG. 10 GARNETS? BIOTITE COMMON.

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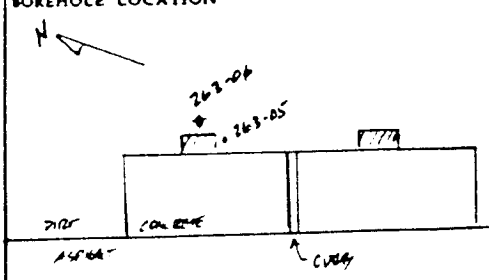
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: ST-263-06
	Job No: 2A56
Logged By: J. Pavletich	Edited By: JP
Project Manager: K. Walker	Drill Rig: Geoprobe
Drilling Contractor: BRE	
Driller/Helper: B. Wolfe / S. CAMP	
Drilling Method: Geoprobe Construction Method Code: V (driven), HA = Hand Augered	
Sample Method: LARGE - BORE SAMPLER	
Hammer Weight/Drop: N.A.	Borehole Diameter:
Started, Time: 0900	Date: 5-6-94
Completed, Time: 0945	Date: 5-6-94

Notes: 3 B

BACKGROUND γ = 9 uR/HR

HNu/PID	0.5 / 3
$\beta-\gamma$ (cpm)	40-100
Time	0907
Date	5-6-94

Total Depth: 10 FT
Screened Interval:
Sand Pack, #3:
Well Development Method:
Time: Date:
Geophysical Logs, Type:
By: Date:

PROFESSIONAL GEOLOGIST JOSEPH P. PAVLETICH PG-1990 WYOMING

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/PID Reading	Analysis		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact
KAFB-ST263-04 0305-			24	19	6	0.5/3 1.8-80-100cpm	SOIL	DOD		STP	1		
							VOC	GRO		LSTP	2		
							METALS	Hg PA	ASBEST.		3		
										LSTP	4		
											5		
											6		
											7		
											8		
KAFB-ST263-04 0910-			24	19	6	0.5/3 1.8-80-100cpm	SOIL	DOD		STGR	9		
							VOC	GRO					
							METALS	Hg PA	ASBEST.		10		TD

SILTY SAND (SM) BROWN (7.5YR 4/6) MED. DENSE, LOW-MED EST. IL, VFG-FG SUBANG SAND 15-20% SILT, 5% MG, 1-2% CG, OCCAS SUBANG-SUBRND PEBBLES TO 10mm Ø, OCCAS. ORGANIC MATTER

2.5' SILTY SAND (SM) BROWN (7.5YR 4/6) MOIST, MED. DENSE, LOW EST. IL, VFG SUBANG SAND, 5% CLAY, 20-25% SILT, 2-3% MG. ROCKS, SUBANG PEBBLES TO 4mm Ø 10-15% FG

4.75' SILTY SAND (SM) BROWN (7.5YR 5/6) MOIST, MED. DENSE, LOW EST. IL, VFG SUBANG SAND 15-20% SILT, 15-20% FG, 1-2% MG. ANG-SUBANG PEBBLES TO 15mm Ø AT 5'

8'-9' SAME AS AT 4.75'

9' GRAVELLY SAND (SP) BROWN (7.5YR 5/4) DRY DENSE, MOD. EST. IL, FG-MG SUBANG. SAND 5% SILT 10-15% VFG 10-15% CG, 5-10% SUBANG-SUBRND PEBBLES TO 5mm Ø

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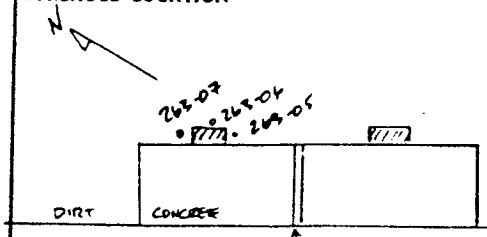
BOREHOLE / WELL CONSTRUCTION LOG

Page 1 of 1

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: SB-SB-07
	Job No: 2A56
Logged By: J. Pavletich	Edited By: JP
Project Manager: K. Walter	Drill Rig: Geoprobe
Drilling Contractor: BOE	
Driller/Helper: B. Wolfe / S CAMP	
Drilling Method: Geoprobe Construction Method Code = V (driven), HA = Hand Augered	
Sample Method: LARGE BORE SAMPLER	
Hammer Weight/Drop: NA	Borehole Diameter: 1.375"
Started, Time: 1000	Date: 5-6-94
Completed, Time: 1045	Date:

Notes:

BACKGROUND β = 10 cpm/MQ

HNu/FID	0.5/2					
β-γ (cpm)	20+10					
Time	1000					
Date	5-6-94					

PROFESSIONAL GEOLOGIST JOSEPH P. PAVLETICH PG-1000 WYOMING

Total Depth: 10 FT
Casing Depth:
Screened Interval:
Sand Pack, #3:
Well Development Method:
Time: Date: Flow Rate:
Geophysical Logs, Type:
By: Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
										SPT				SILTY SAND (SM) BROWN (7.5YR 4/6) MOIST
											1			MED. DENSE, LOW-MOD. EST IK, VFG-FG SUBANG SAND, 15-20% SLT
														5% MG, 1-2% CG, OCCAS. SUBANG-SUBROUND PEBBLES TO
											2			10 mm ϕ, OCCAS. ORGANIC MATTER
										SPT				
											3			2.5' SAND (SP) BROWN (10YR 5/3) MOIST, MED. DENSE, LOW
KAFB-SB26S-03 0345			24	22	6	0.5/2 10-10-20-20 mm	SVOC	TOD						MOD. EST IK, VFG SUBANG SAND, 5% SLT, 5-10% FG.
							VOC	4420			4			4' SILTY SAND (SM) BROWN (7.5YR 5/6) MOIST, MED. DENSE
							METALS	4 yr	MOIST	SPT				LOW EST. IK, VFG SUBANG SAND, 15-20% SLT, 5% FG, 1-2% MG -
											5			CG MOTTLED W/ CALCITE
											6			
											7			8'-9.5' CORE HEAT 4'.
KAFB-SB26S-04 0810			24	22	6	0.5/1.5 10-10-10-10					8			9.5' SILTY SAND (SM) RED-BROWN (5YR 4/6) MOIST, MED
											9			DENSE, LOW EST. IK, VFG SUBANG. SAND, 10-15% CLAY, 20-30%
										SPT				SLT, 1-2% FG WEATHERED BIOTITE COMMON.
											10			

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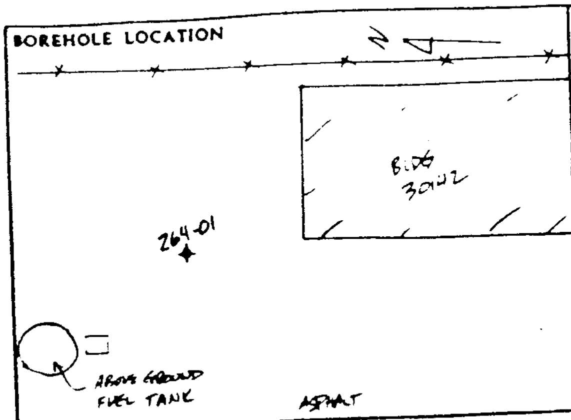
BOREHOLE / WELL CONSTRUCTION LOG

Project: KAFB Stage 2B	Borehole/Well No: ST264-01
	Job No: 2A56
Logged By: J. Pavletich	Edited By: JF
Project Manager: K. Walter	Drill Rig: Geoprobe
Drilling Contractor: BRE	
Driller/Helper: ~~B. Wolfe~~ S. CAMP	
Drilling Method: Geoprobe Construction Method Code - V (driven), HA = Hand Augered	
Sample Method: LARGE-BORE SAMPLER	Borehole Diameter: 1.375"
Hammer Weight/Drop: N.A.	
Started, Time: 0930	Date: 6-30-94
Completed, Time: 1055	Date: 6-30-94

BOREHOLE LOCATION



Notes: 7', 12'

BACKGROUND γ = 10 μR/HR

HNu/FID	0/3				
β-γ (cpm)	80-120				
Time	0930				
Date	6-30-94				

Total Depth: 14 FT
Casing Depth:
Screened Interval:
Sand Pack, #3: ID:
Well Development Method:
Time: Date: Flow Rate:
Geophysical Logs, Type:
By: Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses			Lithology Code	Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
										SDVF	0–1			ASPHALT: 0-2" SAND (SP) YELLOWISH BROWN (10YR 5/4) DRY, LOOSE-MED DENSE, MOD. EST. K. VFG SUBANG SAND 2-3% SILT 5-10% FG. 1-2% MG 1% CG
											1–4			
										SD½	4–5		?	4'? SILTY SAND (SM) YELLOWISH BROWN (10YR 5/4) MOIST, MED DENSE, LOW EST. K. VFG-FG SUBANG SAND 5-10% CLAY, 15-20% SILT. 2-5% MG. 1% CG.
			12	8	6	0/2 β-γ 80 γ 10				SD½	5–6			5.5 SILTY SAND (SM) YELLOWISH BROWN (10YR 5/4) MOIST, MED DENSE, LOW-MED EST. K. VFG-FG SUBANG SAND. 15-20% SILT 5% MG. 5-10% CG. 10-20% SUBANG PEBBLES TO 8mm Ø
KAFB-ST264-01 0709			24	22	6	0/2 γ 11 β-γ 100-140	SVOC VOC METALS	PEST Hg	GRO pH MOIST.	SD½	7–9			7.5' SILTY SAND (SM) BROWNISH YELLOW (10YR 6/6) MOIST, DENSE, MED.-HIGH EST. K. FG-MG SUBANG SAND, 5-10% SILT, 10-15% VFG 10% CG. 15-20% SUBANG.-SUBRND PEBBLES TO 5mm Ø. 8.75 SILTY SAND (SM) LIGHT YELLOWISH BROWN (10YR 5/4) MOIST. MED DENSE-DENSE, LOW EST. K. VFG-FG SUBANG SAND 5% CLAY, 15-20% SILT, 5% MG. 5-10% CG. 5-10% SUBANG.-SUBRND PEBBLES TO 10mm Ø
										SD½	9–10			

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56 | Borehole/Well No.: ST264-01

Notes:

Sample ID	Sampler Type	Blows / 6 inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/PID	Analysis		Lithology Code	Depth (ft)	Recovery	Contact	
			12	10	9	0/1.5 ppm @ 0-10	NDC			11			10-11' 2-3% CALCHE NODULES TO 5mm Ø AT 10.25 FT
KAFB-ST264-01 12N			24	22	6	0/1.5 ppm @ 0-10	SIDC	XRD	GDC	12			12.5' SANDY (SM) BRICKRISH YELLOW (10YR 6/6) MOIST, MED DENSE, MOD-HIGH EST. IK, MG-CG SUBANG SANDS. 2-5% SILT, 5-10% VFG, 5-10% FG, 10-15% SUBANG-SUBRND PEBBLES TO 5mm Ø WEATHERED GRANITIC FRAGMENTS COMMON.
							NDC			13			
							LIMERS	HCl ppm	MOISTURE	14		T.D.	

PROFESSIONAL GEOLOGIST
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PG-1090
WYOMING

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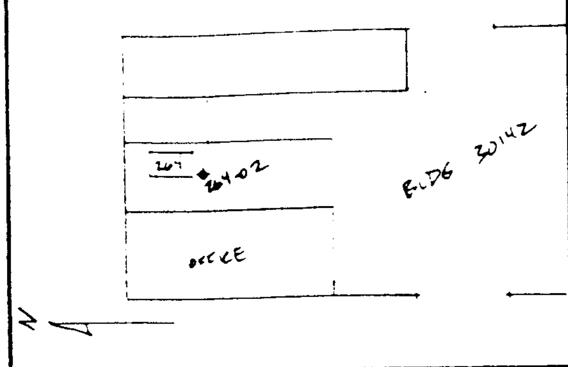
BOREHOLE / WELL CONSTRUCTION LOG

Project	KAFB Stage 2B
Borehole/Well No.	SI264-02
Job No.	2A56
Logged By	J. Pavleuch
Edited By	JP
Project Manager	K. Walter
Drill Rig	~~Geoprobe~~ N.A.
Drilling Contractor	BCE
Driller/Helper	B. Wolfe & J. Pavleuch
Drilling Method	Geoprobe Construction Method Code = V (driven), (HA) = Hand Augered
Sample Method	LARGE-BORE SAMPLER
Hammer Weight/Drop	40 lbs / 40 INCHES
Borehole Diameter	4 INCHES
Started, Time	1145 / 925
Date	6-30-94 / 7-5-94
Completed, Time	1120
Date	7-5-94

BOREHOLE LOCATION



Notes: PITAL OBSTRUCTION AT 5FT BELOW SURF, PROBABLY THE FOOTING OF THE OIL SEPARATOR. MOVED POINT ABOUT 1FT FURTHER SOUTH

7/5 BACKGROUND γ = 10 μR/HR
6/30 BACKGROUND γ = 10 μR/HR
7/12'

HNu/FID	0/1.5	0/2.5
β-γ (cpm)	60-80	80-120
Time	1145	1015
Date	6-30-94	7-5-94

Total Depth: 14 FT.
Casing Depth:
Screened Interval:
Sand Pack, #3: #0:
Well Development Method:
Time: Date: Flow Rate:
Geophysical Logs, Type:
By: Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses	Lithology Code	Depth in Feet	LITHOLOGIC DESCRIPTIONS
	BUCKET AUGER								0	CONCRETE 0-7"
								SM	1	7" SILTY SAND (SM) DARK YELLOWISH BROWN (10YR 4/4) MOIST, MED. DENSE, MED-HIGH EST. K, VFG-FG SUBANG. SAND, 5% CLAY, 10-15% SILT, 5% MG, ≤3% CG, DETRS. RNDS. PEBBLES TO 4mm ϕ.
									2-4	
									5	5-5.5' SAME AS AT 2FT. + RND PEBBLES TO 20mm ϕ.
									6	@6' ANG GRANITIC ROCK FRAGMENTS TO 30mm ϕ
								SM	6-7	6'? SILTY SAND (SM) YELLOWISH BROWN (10YR 5/6) MOIST, MED. DENSE, MED-HIGH EST. K, MG-CG SUBANG-ANG SAND, 2-3% CLAY, 10-15% SILT, 5-10% VFG, 5-10% FG, 5-10% SUBANG PEBBLES TO 10+mm ϕ.
KAFB-SI264-02 0709			24	20	9	0/2.7-6; β-γ 60-80	METALS, pH, VOLATILE; SVOC, TPH, GRO; VOC		7-9	
									10	

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56 | Borehole/Well No.: ST264-02

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	(BZ-LS) HNu/FID	Analysis		Lithology Code	(SWL)	Depth (ft)	Recovery	Contact	
		↓	12	4	6	0/3				↓				10.8 CLAYEY SAND (SC) VERY PALE BROWN (10YR 7/4) MOIST,
										SWL	11			DENSE, LOW EST. IL. VFG-FG SUBANG. SAND 10-20% CLAY,
														15-20% SILT 5% MG. 2-3% CG. SUBANG. SUBANG PEBBLES (BLACK)
KAFB-ST264-02 12'			24	20	6	0/2.5 (BG)					12			TD 12mm Ø STAINED & MOTTLED W/ CALICHE
						F2-40-80 3-10	SWDC	DRD	HARD					11.5 GRAVELLY SAND (SW) BROWNISH YELLOW (10YR 6/6) MOIST, MED.
		↓					VDC				13			DENSE AND - HIGH EST. IL MG-CG SUBANG-ANG. SAND. 1-2% CLAY
							METALS	Ag pH	MOISTURE	↓				5-10% SILT 10% VFG. 10-15% FG. 15-20% SUBANG GRAVEL TO 15mm Ø
											14		TD	
											5			
											6			
											7			
											8			
											9			
											0			
											1			
											2			
											3			
											4			
											5			
											6			
											7			
											8			
											9			
											0			

PROFESSIONAL GEOLOGIST
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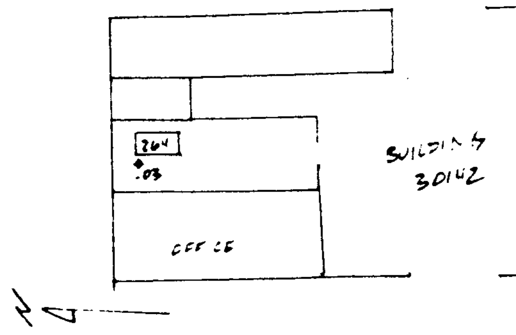
WYOMING

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG

Project: KAFB Stage 2B	Borehole/Well No: ST264-03
	Job No: 2A56
Logged By: J. Pavletich	Edited By: JP
Project Manager: K. Walter	Drill Rig: ~~Geoprobe~~ NA
Drilling Contractor: BRE	
Driller/Helper: B. Wolfe / L. Warren	
Drilling Method: Geoprobe Construction Method Code = V (driven), HA (Hand Augered)	
Sample Method: LARGE BORE SAMPLER	
Hammer Weight/Drop: 40 lbs / 4 inches	Borehole Diameter: 4 inches
Started, Time: 1150 / 1120	Date: 6-30-94 / 7-5-94
Completed, Time: 1240	Date: 7-5-94

BOREHOLE LOCATION



Notes: HIT OBSTRUCTION AT 3FT BELOW GRADE, PROBABLY THE FOOTING OF THE O/W SEPARATOR. MOVED POINT ABOUT 1FT S.

7-5-94 BACKGROUND γ = 9 μR/HR
6-30-94 BACKGROUND γ = 10 μR/HR

HNu/FID	0/1.5	0/1.75
β-γ (cpm)	60-80	60-80
Time	1150	1120
Date	6-30-94	7-5-94

Total Depth: 14 FT
Casing Depth:
Screened Interval:
Sand Pack, #3: #0:
Well Development Method:
Time: Date: Flow Rate:
Geophysical Logs, Type:
By: Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses			Lithology Code	Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
										SM	0–1			CONCRETE 0-7"
											1–2			7" SILTY SAND (SM) DARK YELLOWISH BROWN (10YR 4/4) MOIST, MED. DENSE VFG-FG S.ANG SAND 5% CLAY 10-15% SILT 5% MG 1-2% CG OCCAS RND PEBBLES TO 9mm Ø
											4		?	4'? SAND (SW) YELLOWISH BROWN (10YR 5/6) MOIST, MED. DENSE, MOD. EST. 1K, VFG-FG SUBANG. SAND. 2-3% CLAY, 5-10% SILT. 5-10% MG 5% CG 5% SUBANG PEBBLES TO. 10mm Ø.
		↓	6	6	G	0/1.75 OPERATED ?				SW-SM	5–6			
										SM	6			6' SILTY SAND (SM) SAME AS AT 7" PEBBLES TO 10mm Ø
KAFB-ST264-03 0709		↓	24	22	G	0/2 ST-60-80 8-10	SVOC TPH GRO; VOC; METALS Hg PA MOISTURE				7–9			8.75 CLAYEY SAND (SC) VERY PALE BROWN (10YR 7/3) MOIST, MED. DENSE LOW EST. 1K FG-MG SUBANG. SAND. 10-20% CLAY, 15-20% SILT 10-15% VFG. 5-10% CG. MOTTLES & STAINS W/ CALICHE
										SC	9–10			

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2AS6

Borehole/Well No.: ST264-03

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/PID	Analysis		Lithology Code	(SPCL)	Depth (ft)	Recovery	Contact	Notes:
		↓	12	7	6	0/3.5C(bkg) PT-BD=0 Y=10					10–11			10-11' SAME AS AT 8.75 FT
										SPCL	11–12			
KAFB-ST264-03 12/14		↓	24	22	6	0/2.5(bkg) PT=60-80 Y=10	SVOC	TPH	GRO	↓	12–14		TD	11.5' CLAYEY SAND (SC) LIGHT YELLOWISH BROWN (10YR 6/4) MOIST. MED. DENSE, LOW EST. K, FG-MG SUBANG. SAND, 10-20% CLAY, 10-20% SILT. 10-15% VFS. 5-10% CG. OCCAS. SUBANG PEBBLES TO .5 mm D. RARE GRANITIC CLASTS >25 mm D.
							VOC							
							METALS							

PROFESSIONAL GEOLOGIST
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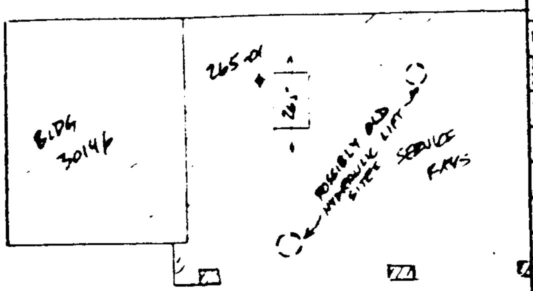
WYOMING

Halliburton NUS
CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG

Project:	KAFB Stage 2B
Borehole/Well No:	ST265-01
Job No:	2A56
Logged By:	J. Pavletich
Edited By:	JP
Project Manager:	K. Walker
Drill Rig:	Geoprobe
Drilling Contractor:	BRE
Driller/Helper:	~~B. Wolfe~~ S. CAMP
Drilling Method:	Geoprobe Construction Method Code = V (driven), HA = Hand Augered
Sample Method:	LARGE-BORE SAMPLER
Hammer Weight/Drop:	N.A.
Borehole Diameter:	1.375"
Started, Time:	0920
Date:	6-28-94
Completed, Time:	1005
Date:	6-28-94

BOREHOLE LOCATION



Notes: γ,β

BACKGROUND γ = 9 μR/HR

HNu/FID	0/5					
β-γ (cpm)	80-100					
Time	0915					
Date	6-28-94					

Total Depth: 11 FT
Casing Depth:
Screened Interval:
Sand Pack, #3: #0:
Well Development Method:
Time: Date: Flow Rate:
Geophysical Logs, Type:
By: Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses			Lithology Code	Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
														CONCRETE 0-6"
			12	8	4	0/2 β-γ 80-100 γ:9				SDSL	1			SILTY SAND (SM) YELLOWISH BROWN (10YR 5/6) MOIST. LOOSE-MED. DENSE, MED. EST. IK. VFG SUBANG SAND 10-15% SILT, 10-15% FG. 5% MG 1% CG. OCCAS. SUBRND PEBBLES TO 10mm Ø.
											2			
										SDRN SAND	3		?	3'? SAND (SW) YELLOWISH BROWN (10YR 5/6) MOIST. MED DENSE-DENSE, MED-HIGH EST. IK. FG-MG SUBANG. SAND. 5% SILT, 10-15% VFG, 10-20% CG. 10% VCG 5-10% SUBRND PEBBLES TO 10mm Ø. WEATHERED GRANITE COMMON.
KAFB-ST265-01-0406			24	22	4	0/2 β-γ 80-100 γ:10	SVOC, VOC, METALS	TPD, Hg, pH	GRO, BTEX		4–6			@ 6'; OCCAS. PEBBLES > 25mm Ø. OF WEATHERED GRANITE
											7			
											8			8'-11' WEATHERED GRANITE, DENSE, MOIST, DARK YELLOWISH BROWN (10YR 4/6)
KAFB-ST265-01-0911			24	22	4	0/2 β-γ 80-100 γ:10	SVOC	TPD	GRO	OTHR	9–10			

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56

Borehole/Well No.: ST265-04

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/FID	Analysis		Lithology Code	(other)	Depth (ft)	Recovery	Contact
							VOC						
		↓					METALS	Ag As	MONITOR	↓	1	1.7	
											2		
											3		
											4		
											5		
											6		
											7		
											8		
											9		
											0		
											1		
											2		
											3		
											4		
											5		
											6		
											7		
											8		
											9		
											0		

PROFESSIONAL GEOLOGIST
JOSEPH P. PAVLETICH
PG-1090
WYOMING

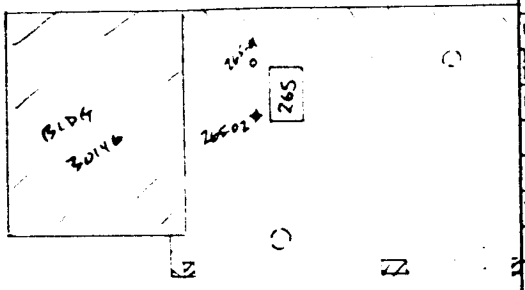
Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG

Borehole/Well No:	ST 265-02
Job No:	2A56
Project:	KAFB Stage 2B
Logged By:	J. Pavletich
Edited By:	SP
Project Manager:	K. Walter
Drill Rig:	Geoprobe
Drilling Contractor:	ERS
Driller/Helper:	~~B. Wolfe~~ S. CAMP
Drilling Method:	Geoprobe Construction Method Code = V (driven), HA = Hand Augered
Sample Method:	LARGE-BORE SAMPLER
Hammer Weight/Drop:	N.A
Borehole Diameter:	1.375'
Started, Time:	1005 Date: 6-28-94
Completed, Time:	1120 Date: 6-28-94

BOREHOLE LOCATION

N ←



Notes:

BACKGROUND β= 11 SAME

HNu/FID	0/2				
β-γ (cpm)	60-80				
Time	1005				
Date	6-28-94				

Total Depth:	11 FT
Casing Depth:	
Screened Interval:	
Sand Pack, #3:	#0:
Well Development Method:	
Time:	Date: Flow Rate:
Geophysical Logs, Type:	
By:	Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses		Lithology Code	Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
													CONCRETE 0-6"
			12	6	6	0/2 β=11 (BK=80-AD)			SWD CCR	1			SAND (SW) YELLOWISH BROWN (10YR 5/4) MOIST-DRY, MED. DENSE MED-HIGH EST. IK, MG-CG ANG-SUBANG. SAND. 2-3% SILT, 5-10% VFG 10% FG. 2-3% SUBANG PEBBLES TO 8mm Φ.
										2			
									SDYF	3		?	3.? SAND (SP) BROWNISH YELLOW (10YR 6/6) MOIST, MED. DENSE, LOW-MED. EST IK, VFG SUBANG SAND 5% SILT, 5% FG 1-2% ANG ABUNDANT WEATHERED BIOTITE
KAFB-ST265-02-0408 KAFB-ST265-99-0408			24	22	6	0/2 β=10	SVOC	TPH GRO	SDSW	4–5			4.75' SILTY SAND (SM) LIGHT YELLOWISH BROWN (10YR 6/4) MOIST, DENSE. MED EST. IK, VFG-FG SUBANG. SAND. 10-15% SILT. 10% ANG 5-10% CG. 5-10% SUBRD PEBBLES TO 15mm Φ.
						(BK=100-AD)	SVOC	TPH GRO-R	SDFN				
							METALS	Hg FA MOIST-R		6			5.25' SAND (SW) LIGHT YELLOWISH BROWN (10YR 6/4) MOIST, DENSE, MED-HIGH EST. IK, % SUBANG SAND, 2% SILT, 5-10% VFG 10% ANG. 10-15% CG. 5-10% SUBANG-SUBRD PEBBLES TO 20mm Φ
			24	22	6	0/25 (BK=65) β=10	METALS	Hg FA MOIST-R		7			
						(BK=100-AD)	VOC						
							VOC-R			8			
KAFB-ST265-02-09??										9			10' WEATHERED GRANITE MOIST, DENSE, DARK YELLOWISH BROWN (10YR 4/6)
			24	22	6	0/1.5 β=11 (BK=100-AD)	SVOC	TPH	GRO	10			

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56

Borehole/Well No.: SS265-02

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/PID	Analysis		Lithology Code		Depth (ft)	Recovery	Contact
							VOC			OTHER			
		↓					METALS	Hg pH	MISC.	↓	11		T.D
											2		
											3		
											4		
											5		
											6		
											7		
											8		
											9		
											10		
											1		
											2		
											3		
											4		
											5		
											6		
											7		
											8		
											9		
											0		

PROFESSIONAL GEOLOGIST
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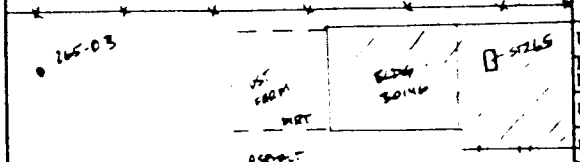
Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: SS265-03
	Job No: 2A56
Logged By: J. Pavletich	Edited By:
Project Manager: K. Walter	Drill Rig: Geoprobe
Drilling Contractor: BCE	
Driller/Helper: ~~B. Wolfe~~ S. CAMP	
Drilling Method: Geoprobe Construction Method Code: (V (driven), HA = Hand Augered	
Sample Method: 4" PROBE- CORE SAMPLER	
Hammer Weight/Drop: N.A.	Borehole Diameter: 1.375"
Started, Time: 1215	Date: 6-28-94
Completed, Time: 1245	Date: 6-28-94

Notes:

BACKGROUND β = 10 MR/HR

HNu/FID	0/1.5					
β-γ (cpm)	80-100					
Time	1215					
Date	6-28-94					

Total Depth: 11 FT — Casing Depth:

Screened Interval:

Sand Pack, #3: — #0:

Well Development Method:

Time: — Date: — Flow Rate:

Geophysical Logs, Type:

By: — Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses		Lithology Code	Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
									SDYF				ASPHALT 0-2"
										1			SAND (SP) YELLOWISH BROWN (10YR 5/4) MOIST, LOOSE-MED DENSE, LOW-MOD EST. IK, VFG SUBANG. SAND, 5% SILT, 5% FG.
										2			1-2" COBBLES
										3		?	3'? CLAYEY SAND (SC) DARK YELLOWISH BROWN (10YR 4/6) MOIST, MED. DENSE LOW EST. IK, VFG-FG SUBANG SAND. 10-15% CLAY, 15-20% SILT, 5% MG 1-2% CA. 1% SUBANG PEBBLES TO 5mm, WEATHERED BIOTITE COMMON
									SDCY	4			
KAFB-SS265-03-0406			24	22	G	0/1.5			SDYL	5			4.75' SILTY SAND (SM) YELLOWISH BROWN (10YR 5/6) MOIST, MED. DENSE, MOD. EST. IK, VFG-FG SUBANG SAND 2-3% CLAY 15-20% SILT, 2-3% MG, <1% CG. WEATHERED BIOTITE COMMON.
										6			
										7		?	8'? SAND (SP) YELLOWISH BROWN (10YR 5/6) MOIST, MED DENSE, MOD. EST. IK, VFG-FG SUBANG SAND, 5% SILT, 5% MG 1% CG. WEATHERED BIOTITE COMMON.
										8			
KAFB-SS265-03-0911			24	22	4	5/10			SDYF-SDYL	9			
							SIEVE	TRIO GRAD		10			HEAVY CONCENTRATION OF BIOTITE (5-10%) AT 10FT

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BOREHOLE / WELL CONSTRUCTION LOG (cont.) Page 2 of 2

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/PID	Analysis		Lithology Code	Depth (ft)	Recovery	Contact
							VOC					
		↓					MEDIUM	HI FM	MOISTURE	10 11		

Project / Job No.: KAFB 2B 2A56 | Borehole/Well No.: SB05-03

Notes:

MEDIUM CONCENTRATION OF BIOTITE AT 10.5 FT

10.75' SILTY SAND (SM) LIGHT YELLOW BROWN (10YR 6/4) MOIST MED DENSE, VFA-FG SUBANGULAR SAND 10-15% SILT, 2-3% PG, 2-3% CG. WEATHERED BIOTITE COMMON.

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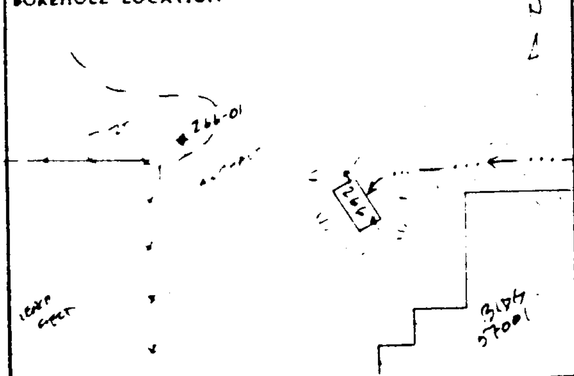
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Field	Value
Project:	KAFB Stage 2B
Borehole/Well No:	ST-266-01
Job No:	2A56
Logged By:	J. Pavletich
Edited By:	JP
Project Manager:	K. Walter
Drill Rig:	Geoprobe
Drilling Contractor:	BMC
Driller/Helper:	B. Wolfe
Drilling Method:	Geoprobe — Construction Method Code = V (driven), HA = Hand Augered
Sample Method:	LARGE BORE SAMPLER
Hammer Weight/Drop:	NA
Borehole Diameter:	1.375"
Started, Time:	0900 — Date: 6-23-94
Completed, Time:	1050 — Date: 6-23-94

Notes: DEPTH OF ST266 = 3ft SAMPLE DEPTHS = 6'-10'
OVA NOT OPERATING TODAY.
BACKGROUND β : 9µR/HR

HNu/FID	0/					
β-γ (cpm)	40-80					
Time	09.7					
Date	6-23-94					

Field	Value
Total Depth:	8 ft
Casing Depth:	
Screened Interval:	
Sand Pack, #3:	#0:
Well Development Method:	
Time:	Date: — Flow Rate:
Geophysical Logs, Type:	
By:	Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses		Lithology Code	Depth In Feet
									SM	0–4
									SM	4–5
		↓	6	5	G	0/ 40-80 8:10				5–6
KAFB-ST266-01-0610 / KAFB-ST266-99-0610		↓	24	22	G	0/ 40-80 8:10	SVOC DTD ANO; SVOC DTD ANO R; METALS Hg pH MOIST		SM / SP	6–8
		↓	24	17	G	0/ 40-80 9:10	METALS Hg pH MOIST R; VOC; VOC R		SP-SM / SM	8–10

LITHOLOGIC DESCRIPTIONS

0' SILTY SAND (SM) LIGHT YELLOW BROWN (10YR 6/4) DRY, LOOSE, MOD. EST IK, VFG-FG SUBANG. SAND 10-15% SILT, 1% MG, 2-3% CG, OCCAS. ANG. PEBBLES TO 25mm Ø ON SURFACE

4'? SILTY SAND (SM) DARK YELLOWISH BROWN (10YR 4/4) MOIST, MOD. DENSE, LOW-MOD EST. IK VFG SUBANG SAND 10-15% SILT, 1-2% FG, 1% MG. OCCAS. SUBANG PEBBLES TO 4mm Ø.

6' SILTY SAND (SM) YELLOWISH BROWN (10YR 5/6) MOIST, MED. DENSE, MOD. EST IK. VFG-FG SUBANG SAND 5% CLAY, 10-15% SILT, 5% MG, 2-3% CG. OCCAS. ANG. PEBBLES TO 10mm Ø

7.75' SAND (SP) YELLOWISH BROWN (10YR 6/6) MOIST, MED. DENSE, MOD. EST IK, VFG-FG SUBANG SAND 1-2% SILT, 1-2% MG.

9.25 SILTY SAND (SM) YELLOWISH BROWN (10YR 6/6) MOIST, DENSE, LOW EST. IK, VFG-FG SUBANG SAND 5% CLAY, 15-20% SILT, 5% MG, 5% CG 1-3% SUBANG. PEBBLES TO 10mm Ø

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56

Borehole / Well No.: ST260-01

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/PID	Analysis		Lithology Code	(SDSC)	Depth (ft)	Recovery	Contact	Description
											11			
											12			
										SDYF	13		?	
											14			13'? SAND (SP) YELLOWISH BROWN (10YR 6/6) MOIST, MED. DENSE, MOD. EST. 1K, FG SUBANG SAND 1-2% SILT, 5-10% FG, 1% MG, +2% SUBANG PEBBLES TO 15mm Ø
		↓	6	5	G	0/ BT: BKG [illegible] PID					15	X		16-18' SAME AS AT 13' + RARE CALICHE NODULES TO 4mm Ø
KAFB-ST260-01 16/18		↓	24	22	G	0/ BT: BKG PID	SVOC	TPH	GRO		16	X		
							VOC				17			
							METALS Hg pH MOIST.				18		TD	
											9			
											0			
											1			
											2			
											3			
											4			
											5			
											6			
											7			
											8			
											9			
											0			

PROFESSIONAL GEOLOGIST
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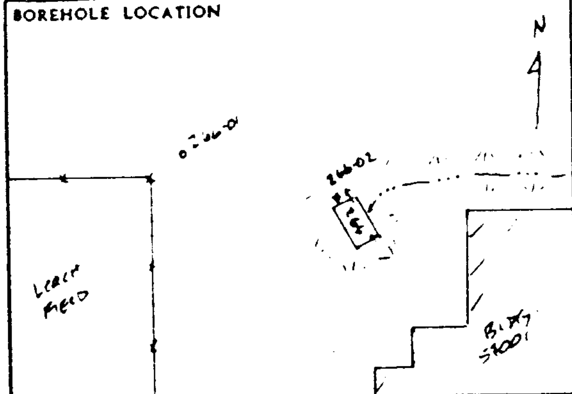
Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project	KAFB Stage 2B
Borehole/Well No:	ST 26-02
Job No:	2A56
Logged By:	J. Pavletich
Edited By:	JP
Project Manager:	K. Walter
Drill Rig:	Geoprobe
Drilling Contractor:	BRE
Driller/Helper:	B. Wolfe / S. Camp
Drilling Method:	Geoprobe Construction Method Code: (D) (driven), HA = Hand Augered
Sample Method:	LARGE-BORE SAMPLER
Hammer Weight/Drop:	NA
Borehole Diameter:	1.375"
Started, Time:	1:00
Date:	6-23-94
Completed, Time:	14:30
Date:	6-23-94

Notes: MOVE ABOUT TWICE NW AWAY FROM DRAIN, 1ST ATTEMPT - HIT CONCRETE EDGE OF DRAIN, 2ND TIME - DENSE BACKFILL, 3RD ATTEMPT SUCCESSFUL.

BACKGROUND β-γ [illegible]

HNu/FID	0/-				
β-γ (cpm)	60-100				
Time	1100				
Date	6-23-94				

Total Depth: 24.5 FT.
Casing Depth:
Screened Interval:
Sand Pack, #3: #0:
Well Development Method:
Time: Date: Flow Rate:
Geophysical Logs, Type:
By: Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses			Lithology Code	Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
										SDNF-SDFN	0			ASPHALT 0-2"
											1			SAND (SP) BROWN (7.5YR 4/4) MOIST, MED DENSE, MOD. EST. LK. VFG-FG SUBANG SAND 5% SILT, 2-5% MG, 1-2% CG.
											2			
											3			
										SDSL	4		?	4'? SILTY SAND (SM) BROWN (10YR 5/3) MOTTLED w/ GRAY, WET, SOFT VFG SUBANG SAND, 15-20% SILT, 5-10% FG, 2-3% MG, 1% CG. SLIGHT ODOR - NOT PETROLEUM, OR SOLVENT [illegible].
			6	6	6	0/- β-γ 60-80 [illegible]					5			
KAFB-ST26-02-0608			24	21	6	0/- β-γ 60-80 [illegible]	SVOC VOC METALS	DRO Hg, pH	GRO [illegible]		6-8			6-8', SAME AS AT 4', MOTTLED GRAY-BLACK, SLIGHT ODOR AT 8' ANG COBBLE >20mm Ø.
										SDNF	9		?	
											10			

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56 | Borehole/Well No.: ST266-02

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/FID	Analysis	Lithology Code	(cont.)	Depth (ft)	Recovery	Contact
		↓	6	6	G	0/-				11		
										12		
									↓	13		
									GSA	14		
		↓	6	2	G	0/-				15		
			24	22	G					16		
KAFB-ST266-02 16/18		↓				0/-	SVOC	TCLP ARSD		17		
							VOC			18		
							METALS	Hg pH	MOISTURE			
										19		
										20		
		↓	12	7	G	0/-				21		
										22		
										23		
									↓	24		
									TREF	25		TD.
										26		
										27		
										28		
										9		
										0		

4': SAND (SP) VERY DARK GRAY (N3/) MOIST MED. DENSE, MOD.-HIGH EST. IK. VFG SUBANG SAND 5% SILT, 10-15% FR GRAVEL SUBANG PEBBLES TO 4mm Ø SLIGHT ODOR

DENSE GRAVEL/BOULDER AT 13', MOVE TO ANOTHER HOLE ~1.5 FT NW OF THIS BOREHOLE

13' GRAVELLY SAND (SW) PALE BROWN (10YR 6/3) MOIST, DENSE, MOD-HIGH EST. IK, VFG-FG SUBANG, SAND 5% SILT, 5-10% MED-CG. 15-20% SUBANG GRAVEL TO 8mm Ø

16-18' SAME AS AT 13 FT, GRAVEL TO 20mm Ø at 18 FT. DARK BROWN TO BLACK STAINED PATCHES TO 4mm Ø AT 18 FT

20-21' SAME AS AT 13 FT; COBBLES > 25mm Ø, NO DRUMS STAINING OR ODOR

* REFUSAL AT ABOUT 24.5 FT; DENSE GRAVEL/GRANITE BOULDER NO SAMPLE COLLECTED

PROFESSIONAL GEOLOGIST
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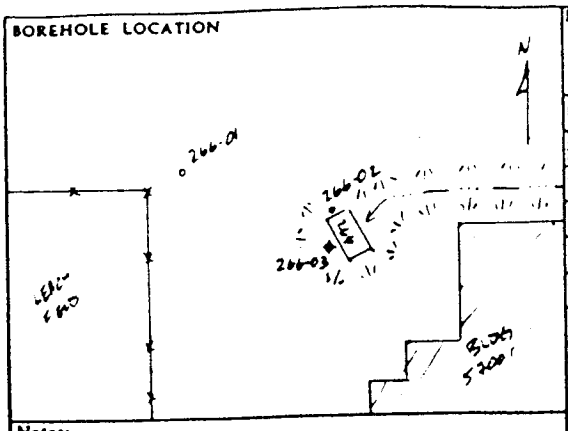
Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: SS266-03
	Job No: 2A56
Logged By: J. Pavletich	Edited By: JP
Project Manager: K. Walter	Drill Rig: Geoprobe
Drilling Contractor: BASE	
Driller/Helper: ~~B. Wolfe~~ S. CAMP	
Drilling Method: Geoprobe Construction Method Code: V (driven), HA = Hand Augered	
Sample Method: LARGE BORE SAMPLER	
Hammer Weight/Drop: N.A	Borehole Diameter: 1.375"
Started, Time: 1430	Date: 6-23-94
Completed, Time: 1630	Date: 6-23-94

Notes:

Background 8-10 ppm/HL

HNu/PID	0/-					
BZ (cpm)	40-80					
Time	1430					
Date	6-24-94					

Total Depth: 24 FT — Casing Depth:

Screened Interval:

Sand Pack, #3: — #0:

Well Development Method:

Time: — Date: — Flow Rate:

Geophysical Logs Type:

By: — Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/PID Reading	Analytes			Lithology Code	Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
										SOIL				ASPHALT 0-2"
											1			CLAYEY SAND (SC) DARK YELLOWISH BROWN (10YR 3/4) MOIST,
														MED. DENSE, LOW EST. IR VFG SUBANG SAND. 10-15% CLAY, 15-20%
											2			SILT 10-15% FG, 1-2% MG 1% CG. OCCAS. ANG PEBBLES TO 5mm Ø
											3			
										SOIL	4			4'? SAND (SP) DARK YELLOWISH BROWN (10YR 4/4) MOIST, MED. DENSE,
														MED. EST. IR VFG SUBANG SAND. 5% SILT, 10-15% VFG, 2-3% MG
		6	5	4		0/- 10-20 ppm					5			2-3% CG
														5.75' SANDY SAND (SM) YELLOWISH BROWN (10YR 5/4) MOIST, MED.
										SOIL	6			DENSE, LOW EST, IR, VFG-FG SUBANG SAND, 5% CLAY, 20-25%
KAFB-SS266-03 0400		24	22	4		8-10	GOOD	STRONG	MOD		7			SILT, 5% MG, 1-2% CG, 1-2% SUBANG PEBBLES TO 7mm Ø
						0/- 8-10 ppm	VOC							MOTTLED GRAY-BLACK - NO NOTICEABLE ODOR
							HEADSPACE			MOIST	8			
											9			
										SOIL				
											10			

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56

Borehole/Well No.: SB46-03

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/PID	Analysis		Laboratory Code	(STAFF)	Depth (ft)	Recovery	Contact
			6	5	6	0/-					0		
											1		
											2		
											3		
										STAFF	4		
											5		
											6		
											7		
											8		
											9		
											10		
											11		
											12		
											13		
										STAFF	14		
			6	4	6	0/-					15		
											16		
CORE SAMPLE 16'8"			24	22	6	0/-	SAND	DRY GRAY		STAFF	17		
							VOC			STAFF	18		
							METALS	1¼ PT	ROCKBOX		19		
											20		
										STAFF	21		
CORE SAMPLE 22'8"			24	22	6	0/-	SAND	DRY GRAY			22		
							VOC				23		
							METALS	1¼ PT	ROCKBOX		24		T.D.
										REF	5		
											6		
											7		
											8		
											9		
											0		

0' SAND (SP) BLACK (N2.5/) MOIST, MED DENSE, LOW-MOD EST. IK, VFG SUBANG. SAND. 5% SILT. 1-2% MG. OCCAS SUBANG PEBBLES 10-20mm Ø. NO APPRECIABLE ODOR

13': SILTY SAND (SM) LIGHT YELLOWISH BROWN (10YR6/4) MOIST, MED. DENSE, LOW EST. IK. VFG SUBANG. SAND 2-5% CLAY, 15-20% SILT 5% MG. OCCAS-SUBANG PEBBLES TO 8cm Ø. MOTTLED W/ BLACK STAINING, HEAVY AT 15.5 FT.

16.75 SAND (SP) YELLOW BROWN (10YR 5/4) MOIST, WET AT 17 FT, MED DENSE, MOD EST. IK, VFG SUBANG SAND. 1-2% SILT, 5% MG. 1% CG.

17.25 GRAVELLY SAND (SW) LIGHT YELLOW BROWN (10YR 5/6) MOIST, DENSE, HIGH EST. IK, MG-CG ANG. SAND. 5-10% VFG-FG. 10-25% SUBANG PEBBLES TO 15mm Ø. MINOR BLACK STAINING AT 17.5 FT.

- NO LITHOLOGY SAMPLE AT 20 FT, PROCEEDED TO COLLECT DEEPER SAMPLE.

21' GRAVELLY SAND (SW) LIGHT YELLOW BROWN (10YR 5/6) MOIST, DENSE, LOW-MOD. EST. IK, MG ANG. SAND. 2-3% CLAY, 5% VFG, 10-15% VFG. 10-20% CG, 10-20% SUBANG PEBBLES TO 20mm Ø.

24' DENSE GROUT / CONCRETE

T.D.

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Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION

Project: KAFB Stage 2B	Borehole/Well No: ST 266-04
	Job No: 2A56
Logged By: J. Pavletich	Edited By: JP
Project Manager: K. Walker	Drill Rig: Geoprobe
Drilling Contractor: RUST	
Driller/Helper: ~~B. Wolff~~ S. CAMP	
Drilling Method: Geoprobe Construction Method Code: √V (driven), HA = Hand Augered	
Sample Method: LARGE-BORE SAMPLER	
Hammer Weight/Drop: N.A.	Borehole Diameter: 1.375"
Started, Time: 0825	Date: 6-24-94
Completed, Time: 1000	Date: 6-24-94

Notes: OBSTRUCTION AT 2FT. MADE HOLE ABOUT 1FT TO SW
OVA NOT OPERATIONAL TODAY
BACKGROUND = 9 ppm/HZ

HNu/FID	0/					
β-γ (cpm)	80-122					
Time	0820					
Date	6-24-94					

Total Depth: 18 FT | Casing Depth:
Screened Interval:
Sand Pack, #3: #0:
Well Development Method:
Time: Date: Flow Rate:
Geophysical Logs, Type:
By: Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analytes		Lithology Code	Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
										SOIL			ASPHALT 0 - 2"
													CLAYEY SAND (SC) DARK YELLOWISH BROWN (10YR 3/4) MOIST
													MED DENSE LOW EST. IK, VFG-FG SUBANG SAND 10-15% CLAY,
													15-25% SILT 1-2% MA, 2-3% CG
													4'? SAND (SP) YELLOWISH BROWN (10YR 4/6) MOIST, MED DENSE.
										STIFF-SOFT			MOD. EST. IK, VFG-MG SUBANG SAND 2-5% SILT, 2-3% CLAY, 1% CG.
			6	4	4	0							OCCAS. SUBRND PEBBLES TO 10mm ø.
			24	17	F	0							STRIKED BLACK 6.75 - 7.75'
													7.5' SAND (SP) LIGHT BROWN (10YR 3/3) MOIST, MED DENSE, MOD.
													EST. IK, VFG SUBANG SAND 5-10% SILT, 5-10% FG OCCAS
										STIFF			RND PEBBLES TO 6mm ø

ASMS ST266-04 0888

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2AS6 | Borehole/Well No.: SS266-04

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recv'd	Sample Cond.	HNu/FID	Analysis		Lithology Code	(Symbol)	Depth (ft)	Recovery	Contact	
		↓	12	10	G	0/-					10			10'-11' LIGHT YELLOWISH BROWN (10YR 7/3) BLACK STAINED PEBBLES TO 10-15 mm Ø, SLIGHT ODOR
											11			
											12			
											13			
										↓	14		?	14'? GRAVELLY SAND (SW) BROWN (10YR 5/3) MOIST, MED. DENSE, LOW AND. EST. 1K. FG SUBANG SAND, 2-3% CLAY 5-10% SLT, 10-15% VFG 5-10% MG 5-10% CG. 15-20% SUBRND PEBBLES TO 10mm Ø LIGHT BLACK-GRAY STAINING SLIGHT ODOR
		↓	6	4	4	0/+				STOP	15			
											16			16' SILTY SAND (SM) BROWN (10YR 5/3) MOIST, DENSE, LOW EST. 1K VFG-FG SUBANG SAND, 5-10% CLAY, 10-25% SLT, 2-3% MG, 2-3% CG. 5-10% SUBANG PEBBLES TO 20mm Ø, STAINED GRAY BLACK, SLIGHT ODOR.
CMT-BENTONITE GROUT			24	22	G	0/-	SVOC	TPHO	GRAB	STOP	17			
		↓				0/-	VOC METALS	Hg only	DISCRETE	STOP	18		T.D.	17.75 GRANITE, WEATHERED, V. DENSE.
											9			
											0			
											1			
											2			
											3			
											4			
											5			
											6			
											7			
											8			
											9			
											0			

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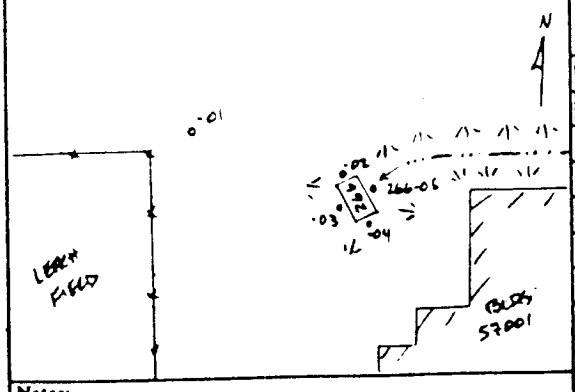
BOREHOLE / WELL CONSTRUCTION LOG

Page 1 of 2

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: ST 266-05
	Job No: 2A56
Logged By: J. Pavletich	Edited By:
Project Manager: K. Walker	Drill Rig: Geoprobe
Drilling Contractor: BCE	
Driller/Helper: ~~B. Wolfe~~ S. CAMP	
Drilling Method: Geoprobe Construction Method Code: V (driven), HA = Hand Augered	
Sample Method: LARGE-BORE SAMPLER	
Hammer Weight/Drop: N.A.	Borehole Diameter: 1.375"
Started, Time: 1005	Date: 6-24-94
Completed, Time: 1115	Date: 6-24-94

Notes:
(NA NOT DETERMINED)

BACKGROUND = 8-9 uR/HR

HNu/PID	0/-						
β-γ (cpm)	60-100						
Time							
Date	6-24-94						

Total Depth: 18 FT | Casing Depth:
Screened Interval:
Sand Pack, #3: #0:
Well Development Method:
Time: Date: Flow Rate:
Geophysical Logs Type:
By: Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/PID Reading	Analyses		Lithology Code	Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
										SDFN			ASPHALT 0-2"
													SAND (SP) VERY DARK GRAYISH BROWN (10YR 3/2) MOIST, LOOSE,
										1			FG SUBANG. SAND 5-10% VFG. 5-10% MG. 1-2% CG.
										2			
										3			
													4' ? SILTY SAND (SM) DARK YELLOWISH BROWN (10YR 4/4) MOIST - WET,
										SDSL 4			VFG-FG SUBANG SAND 5% CLAY, 10-20% SILT. 1% MG. 1-2% CG.
													5-10% ROUND PEBBLES TO 15mm Ø STAINED BLACK AT 5-5.25 FT
			6	4	G	0/-				5	X		SLIGHT ODOR
													6' SILTY SAND (SM) GREENISH GRAY (5G 6/1) MOIST, MED. DENSE,
			24	18	G	0/-	SHOC DRO GRO			SDSL 6			LOW-MED. PLAST. IR, VFG SUBANG. SAND. 5-10% CLAY, 15-20% SILT.
							SVOC DRO GRO-R						5-10% FG, 1% MG, 1-2% SUBANG PEBBLES TO 20mm Ø.
							MATRIX Hg PR BACKST.			7			MOIST ODOR
			24	17	G								8' SAND (SW) LIGHT YELLOWISH BROWN (10YR 6/4) MOIST, MED. DENSE,
							MATRIX Hg PR BACKST-R			8			MED-HIGH PLAST IR, VFG. SUBANG. SAND 5% SILT, 10% FG, 1-2% MG
							VOC			9			
							VOC			SDWF 10			

LABS: ST266-05-0410
MWS-ST266-97-0410

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56 | Borehole/Well No.: SSZ66-05

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/PID	Analysis		Lithology Code	(STOVL)	Depth (ft)	Recovery	Contact
											11		
											12		
											13		
										STOVL	14		
						0/- BZ: BZ=0 B=0					15		
		6	5	6							16		
KAFB-SSZ66-05 13-18			24	22	6	0/- BZ: 2-3 B=0	SVOC	BTEX GRO			17		
							VOC						
							METALS	Hg,As	NO3/NO2	OTHER	18		T.D.
											9		
											8		
											1		
											2		
											3		
											4		
											5		
											6		
											7		
											8		
											9		
											0		

13' ± SILTY SAND (SM) DARK REDDISH BROWN (10YR 4/6) MOIST MED DENSE LOW-MOD EST. 1K, VFG-FG SUBROUND SAND 5% CLAY

10-20% SILT. 5% MG. OCCAS. SUBRND-SUBFND PEBBLES TO 20mm ϕ

GREENSTONE BOULDERS AT 15 FT

16-18 SAME AS AT 13 FT

@ 18FT WEATHERED GRANITE, M.DENSE

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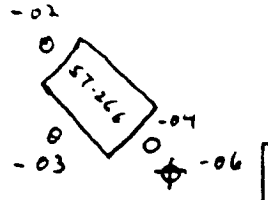
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



BLDG 57001

Project	KAFB Stage 2B
Borehole/Well No.	ST-266-06
Job No.	2AS6
Logged By	L BASILIO
Edited By	JP
Project Manager	K Walter
Drill Rig	Mobil B-61
Drilling Contractor	ENVIRONMENTAL WEST
Driller/Helper	N. McKorkle
Drilling Method	Hollow Stem Auger
Sample Method	Brass Rings
Hammer Weight/Drop	140 lbs / 40 inches
Borehole Diameter	8" OD
Started, Time	0935
Date	7/13/94
Completed, Time	1155
Date	7/13/94

Notes: FID ONLY USED FOR SCREENING

~~PID~~/FID	2.5				
γ ~~β-γ(open)~~ uR/hr	9				
Time	0940				
Date	7/13/94				

Total Depth:	40 FT
Casing Depth:	
Screened Interval:	
Sand Pack, #3:	#0:
Well Development Method:	
Time:	Date: Flow Rate:
Geophysical Logs Type:	
By:	Date:

Sample ID	Sampler Type / Depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analysis		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
											10			
														Follow up boring to ST-266-04
											1			Drill to 18 feet then begin
														sampling
											2			
											3			
											4			
											15			
											6			
											17			
KAFB 57266 06-1820			24	20	G	500 4250			SDGR		18			18'½ Gravelly Sand (SP) Yellowish brown (10 YR 5/4), fine grained, poor sort, silty (10-15%), dry, gravels subang 2-20 mm, no odor
		γ:	8			4000 700	VOC metals	SVOC			9			
											20			

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BOREHOLE / WELL CONSTRUCTION LOG (cont.) Page 2 of 2

Project / Job No.: KAFB 2B 2AS6 | Borehole/Well No.: SS 266 - 06

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recv'd	Sample Cond.	HNu/PID	Analysis		Lab Code	Depth (ft)	Recovery	Contact	
										20			
										1			
										2			
										3			
										4			
										5			24'?
			24	12	G	1300			NSAS	6			Sand (SP) brown (10YR 4/3) fine grained, fair sort, silty 5-10%, sl clayey (5%), abndt subang - subrnd pebbles (4-30 mm) no odor
			γ =	8						7			
										8			
										9			
										30			
KAFB-37266 06-3031			12	12	G	1000 1300	VOC SVOC Metal		NSAS	1			Sand (SM) pale brown (10YR 6/3) fine grained, fair sort, silty (15%) abndnt subrnd pebbles (4-10 mm) dry, no odor
			γ =	8						2			
			NOTE:		Refusal after 12 inches					3			
										4			
										5			34'?
			12	12	G	300			NSAS	6			Sand (SM) Pale brown (10YR 6/3) very fine to fine grained, fair sort, silty (10%), sl clayey in parts (5%), abndt angular to subang gravel (2-30 mm) dry, no odor
			γ =	9						7			
										8			Auger refusal at 40 ft. Unable to penetrate. Appear to be stopping on top of a large boulder
										9			
									DREF	40			TD at 40 ft

PROFESSIONAL GEOLOGIST JOSEPH P. PAVLETICH PG-1990 WYOMING

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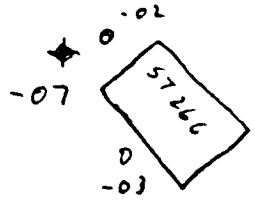
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: ST-266-07
	Job No: 2A56
Logged By: L BASILIO	Edited By: JP.
Project Manager: K. Walker	Drill Rig: Mobile B-61
Drilling Contractor: ENVIRONMENTAL WEST	
Driller/Helper: R. McKnight	
Drilling Method: Hollow Stem Auger	
Sample Method: Brass Rings	
Hammer Weight/Drop: 140 lbs / 40 inches	Borehole Diameter: 8" OD
Started, Time: 1224	Date: 7/13/94
Completed, Time: 1455	Date: 7/13/94

Notes: ONLY THE PID USED FOR SCREENING

~~Amb~~/PID	2				
~~Background~~ ppm	10				
Time	1225				
Date	7/13/94				

Total Depth: 40.5 FT	Casing Depth:
Screened Interval:	
Sand Pack, #3:	#0:
Well Development Method:	
Time: Date:	Flow Rate:
Geophysical Logs, Type:	
By:	Date:

Sample ID	Sampler Type / depth	Blows / 6 inch	Inches Driven	Inches Recovered	Sample Condition / RQD	PID/FID Reading	Analyses		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact
KAFB-ST266-07-1120			24	24	1750	VHC	SVOC		SDVF-SDNC		10		
KAFB-ST266-99-1120					2000	VHC	SVOC				1		
											2		
											3		
											4		
											15		
											6		
											17		
											18		
											9		
											20		

LITHOLOGIC DESCRIPTIONS

Follow up boring to ST 266-02 with drill to 18 feet and begin sampling

17'?

Sand (SP) light grayish brown (10 YR 6/2), vf to fine grained, poor sort, subang - subrnd, dense, silty (5-10%), dry abndt pebbles (4-40 mm), no odor

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BOREHOLE / WELL CONSTRUCTION LOG (cont.) Page 2 of 3

Project / Job No.: KAFB 2B 2A56 | Borehole/Well No.: SB 266-07

Notes:

Sample ID	Sample Type	Blows / 6 inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/PID	Analysis		Lithology Code		Depth (ft)	Recovery	Contact	
											20			
											1			
											2			
											23			
											4			
											25			23'?
		↑	24	12	G	175			SP/SM	SM				Sand (SM) Brown (10 YR 5/3) vf to fine grained, good sort, silty (15-20%), gravelly - abundant angular granitic fragments (10-60 mm) dry to moist, no odor
		↓	γ=	8							6			
											7			
											8			
											29			
											30			29'
KAFA 5726-07-3032		↑	24	18	G	1500			SP/SM	SM				Sand (SM) light yellowish brown (10 YR 6/4), vf to fine grained, good sort, silty to very silty (20%+) dense, scattered lithic fragments (2-10 mm), trace of caliche, dry, no odor
		↓	γ=	9		1700 1700	VOC metals	SVOC			1			
											2			
											3			
											34			
											35			34'
		↕	6	5	F	15			SP/SM	SM				Sand (SM) light brown (7.5 YR 6/3) very fine grained, good sort, silty (20%+) dense, clean - few pebbles (2-6 mm) dry, no odor
			γ=	8							6			
											7			
											8			
											9			
											40			

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56

Borehole/Well No.: SS-266-07

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/PID	Analysis	Laboratory Code	Depth (ft)	Recovery	Contact
			6	5	P	45		SDSL			SM
			0:	8							T.D.

Sand (sm) light brown (7.5 YR 4/4) vf to fine grained, silty (20% +) clean - few pebbles, trace subang fragments (2-6 mm), dry, no odor

TD at 4.5 feet. Unable to collect sample due to lack of volume.

Unable to drill further. Appears to be stringers on a large boulder.

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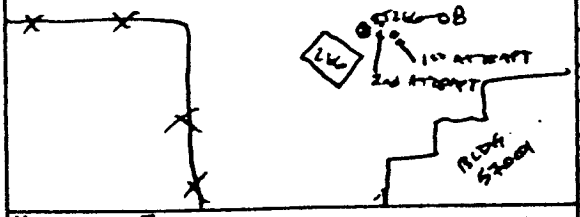
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Notes: ~5' NNW OF HEAT ATTEMPT WHERE REFUSAL OCCURRED ON PIPE ~3' DEEP (3RD ATTEMPT). 2ND ATTEMPT WAS ~3' NW OF FIRST-HIT CONCRETE MATERIAL ~2' DEEP.

Project: KAFB Stage 2B	Borehole/Well No: KAFB-ST266-08
	Job No: 2A56
Logged By: M. GARMAN	Edited By: JP
Project Manager: K. Walker	Drill Rig: MOBILE B-61
Drilling Contractor: ENVIRONMENTAL WEST	
Driller/Helper: R. MCCURDY	
Drilling Method: HSA	
Sample Method: SPLIT-SPOON, BRASS RING	
Hammer Weight/Drop: 140/30"	Borehole Diameter: 8" O.D.
Started, Time: 1215	Date: 7-20-94
Completed, Time: 1320	Date: 7-20-94

HNu/PID	1.5					
~~Y [illegible]~~ 4%	8					
Time	1210					
Date	7-20-94					

Total Depth: 20' Casing Depth:

Screened Interval:

Sand Pack, #3: #0:

Well Development Method:

Time: Date: Flow Rate:

Geophysical Logs, Type:

By: Date:

Sample ID	Sample Type / Depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/PID Reading	Analysis		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
														FOLLOW-UP SOIL BORING TO ST266-05. WILL DRILL TO 18' THEN BEGIN SAMPLING.
ST266-08-1820 1245		15 20	15	13 10 MC		100			GVLP		18			18-~~19~~ 20' (GP) FINE GRAVEL (SANDY) (P.SH, 7½ PINKISH GRAY, VERY DENSE, SL. MOIST, SUBANG, PRED. GRF, UP TO 1.5cm. ±30% WELL GRADED SAND (VFG-V. COARSE) SUBANG, GRF.
#		50/5"	Yz	3		600 70	VOC, TPH MATRIX				19			REFUSAL @ 20', COLLECTED SPLIT SPOON CONTAINED PULVERIZED ROCK. HOLE ABANDONED. TN RG. 11908
											20			

DEEP

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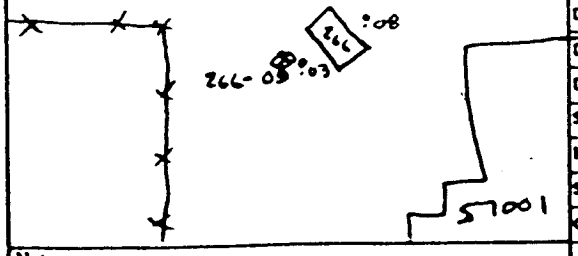
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	KAFB-ST 266-09
	Job No: 2A56
Logged By: M. GAGMAN	Edited By: JP
Project Manager: K. Walker	Drill Rig: MOBILE B-61
Drilling Contractor: ENVIRONMENTAL WEST	
Driller/Helper: R MCCURREE	
Drilling Method: HSA	
Sample Method: BRASS RING	
Hammer Weight/Drop: 140/30"	Borehole Diameter: 8" O.D.
Started, Time: 0910	Date: 7-20-94
Completed, Time: 1130	Date: 7-20-94

Notes:

HNu/PID	1.5					
~~Background~~ ppm/hr	1.8					
Time	0920					
Date	7-20-94					

Total Depth: 40' Casing Depth:

Screened Interval:

Sand Pack, #3: #0:

Well Development Method:

Time: Date: Flow Rate:

Geophysical Logs, Type:

By: Date:

Sample ID	Sampler Type / d depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/PID Reading	Analysis		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact
											10		
											11		
											12		
											13		
											14		
											15		
											16		
											17		
ST266-09-1820		15	24	24		10			GVLP		18		
		22				40					19		
ST266-09-1840		30	4.9			3000	VOC, SVOC						
		30				2100	METALS				20		

LITHOLOGIC DESCRIPTIONS

FOLLOW-UP BORING TO ST266-03.

WILL DRILL TO 18 FT. THEN BEGIN SAMPLING.

18-19': (GP) SANDY FINE GRAVEL (10YR 5/3) BROWN, VERY DENSE, SL. MOIST, SUBRD., UP TO 1.5cm ± 30% MED - V. COARSE SAND, SUBRD - SUBANG. PRED. GRANITE, IGNEOUS RF.

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BOREHOLE / WELL CONSTRUCTION LOG (cont.) Page 2 of 3

Project / Job No. KAFB ~~2D 2106~~ 2B 2256 | Borehole / Well No. SI 766-03

Notes

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recvd	Sample Cond	HNU/PID	Analysis		Lithology Code		Depth (ft)	Recovery	Contact	
											21			
											22			
											23			
											24			
											25			
		17	10	10		1000			GVLT		26			25-25.8': (GM) GRAVEL-SAND-SILT (10YR, 6/3) PALE BROWN, VERY DENSE, SL. MOIST, FINE GRAV = ± 50%, PRED. L. STONE, SUBANG TO ANG, INCLUDES COBBLES UP TO 4cm, ± 30% WELL GRADED SAND, SUBANG, ± 20% SILT.
		50/4"	Y=8								27			
											28		?	
											29			
SI766-03-3252 2 1020		10	5	3		40	VOC, SVOC		SDNE- SDGR		30			30-30.7': (SW) WELL GRADED SAND (10YR, 6/3) PALE BROWN, VERY DENSE, SL. MOIST, SUBANG, VFG - V. COARSE, ± 10% SILT, ± 10% FINE GRAV, SUBANG, UP TO 1cm, GRF.
		50/3"	Y=8			1000	METALS				31			
											32		?	
											33			
											34			
		50	9	3		6			SDGR		35			35-35.7': (SW) WELL GRADED SAND (10YR, 6/3) PALE BROWN, VFG - V. COARSE, VERY DENSE, SL. MOIST, SUBANG - SUBRD. ± 15% SILT, ± 20% FINE GRAV, SUBANG - SUBRD, 15% ART FF, UP TO 7mm.
		50/3"	Y=8								36			
											37			
											38			
											39		?	
											40			

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BOREHOLE / WELL CONSTRUCTION LOG (cont.) Page 3 of 3

Project / Job No. KAFB ~~2 D 2A96~~ 2D BASE | Borehole / Well No. SB6-09

Notes

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recvd	Sample Cond	PID/FID	Analysis		Lithologic Code		Depth (ft)	Recovery	Contact	Notes
		50/3"	3	6		0 0			SD		41			40-40.2': (SW) WELL GRADED SAND (10YR, 8/2) PINKISH WHITE, CALCAREOUS, VERY DENSE, DRY-SL. MOIST, SUBANG, GRF, ±5% SLT. ±15% MED GRN, SUBANG, UP TO 1cm.
									DRY		42			
											3			REMARKS 40' - HOLE ABANDONED
											4			
											5			
											6			
											7			
											8			
											9			8-1-94
														IN R.S. #1808
											0			
											1			
											2			
											3			
											4			
											5			
											6			
											7			
											8			
											9			
											0			

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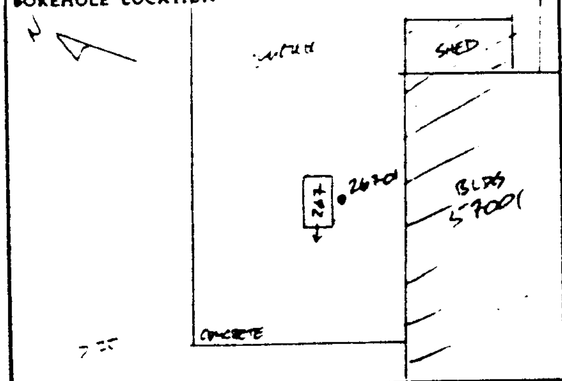
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project	KAFB Stage 2B
Borehole/Well No:	ST 267-01
Job No:	2A56
Logged By:	J. Pavletich
Edited By:	JP
Project Manager:	K. Walter
Drill Rig:	Geoprobe
Drilling Contractor:	BDE
Driller/Helper:	~~B. Wolfe~~ S. Camp
Drilling Method:	Geoprobe — Construction Method Code ✓V (driven), HA = Hand Augered
Sample Method:	LARGE BORE SAMPLER
Hammer Weight/Drop:	N.A.
Borehole Diameter:	1.375"
Started, Time:	1400 — Date: 6-24-94
Completed, Time:	1500 — Date: 6-24-94

HNu/FID	0/				
β-γ (cpm)	60-100				
Time	1405				
Date	6-24-94				

Notes: ~4.9'

OVA NOT OPERATIONAL

BACKGROUND γ - 9 µR/HR

Total Depth:	11 FT
Casing Depth:	
Screened Interval:	
Sand Pack, #3:	#0:
Well Development Method:	
Time:	Date: / Flow Rate:
Geophysical Logs, Type:	
By:	Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses	Lithology Code	Depth in Feet
								SM	0–1
			24	10	G	0/1, β-γ 60-80, γ: 10	SVOC TPD GRO; SVOC TPD GRO, MS/MSD; METALS Hg pH MOISTURE	SW / SP	4–6
KAFB-ST267-01-0198; KAFB-ST267-01-0198 MS/MSD			24	22	F	0/1, β-γ 80-100, γ: 10	METALS Hg pH MOISTURE MS/MSD; VOC; VOC MS/MSD	SP / SM	6–8
KAFB-ST267-01-0911			24	10	6	0/1, β-γ 60-80, γ: 10			9–10

LITHOLOGIC DESCRIPTIONS

CONCRETE 0-6"

SILTY SAND (SM) DARK YELLOWISH BROWN (10YR 4/4) MOIST, MED. DENSE, LOW EST. K. VFG SUBANG. SAND. 5-10% CLAY, 20-25% SILT, 10% FG, 1-2% MG.

4.75 SAND (SW) LIGHT YELLOW BROWN (10YR 6/4) MOIST, MED DENSE, MED. EST. K, VFG-FG SUBANG SAND 5% MG, 5-10% CG.

5.75 SAND (SP) LIGHT YELLOW BROWN (10YR 6/4) MOIST, MED. DENSE, MOD. EST. K. VFG SUBANG SAND. 2-5% SILT, 5% MS CG. OCCAS. SUBRND PEBBLES TO 10mm Ø

PEBBLES COMMON. 6.5-7 FT.

7.25 SILTY SAND (SM) BROWNISH YELLOW (10YR 6/6) MOIST, MED DENSE, MOD. EST. K, VFG-FG SUBANG. SAND. 10-15% SILT, 2-3% MG.

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

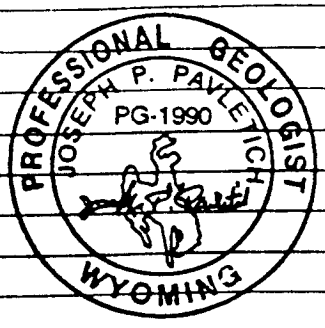
Project / Job No.: KAFB 2B 2A56

Borehole / Well No.: SB2701

Notes

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/PID	Analysis	Lithology Code	(Staff)	Depth (ft)	Recovery	Contact
									START	11		T.P.

10-15' CONCRETE SAND (SW) YELLOWISH BROWN (10YR 5/6) MOIST DENSE MOD-HIGH PLAST LK. VFG-FG SUBANG SAND 25% SLT. 5-10% MG 10-20% CG-VCG 20% SUBANG. PEBBLES TO Bottom.



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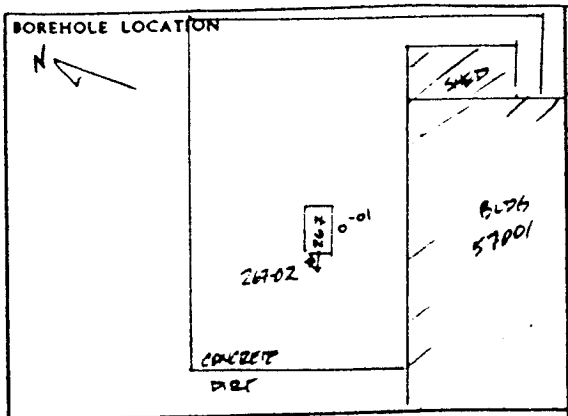
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: SB26702-02
	Job No: 2A56
Logged By: J. Pavletich	Edited By: JP
Project Manager: K. Walker	Drill Rig: Geoprobe
Drilling Contractor:	
Driller/Helper: ~~B. Wolfe~~ S. CAMP	
Drilling Method: Geoprobe Construction Method Code = N (driven), HA = Hand Augered	
Sample Method: LARGE BORE SAMPLER	
Hammer Weight/Drop: N.A	Borehole Diameter: 1.375"
Started, Time: 1500	Date: 6-24-94
Completed, Time: 1600	Date: 6-24-94

Notes: 4 6'

BACKGROUND @ = 10 cpm

HNu/PID	0/-					
β-γ (cpm)	60-20					
Time	1500					
Date	6-24-94					

Total Depth: 11 FT | Casing Depth:

Screened Interval:

Sand Pack, #3: | #0:

Well Development Method:

Time: | Date: | Flow Rate:

Geophysical Logs, Type:

By: | Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/PID Reading	Analyses		Lithology Code	Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
			12	6	G	0/- (SB-26702-1@2FT)			SDCL	1			CONCRETE 0"-6"
													CLAYEY SAND (SC) DARK YELLOWISH BROWN (10YR 4/4) MOIST
										2			MED. DENSE, LOW EST. IR, VFG. SUBANG SAND. 20-25% CLAY,
													15-20% SILT. 1% FG-CG.
										3		?	8'? SAND (SW) YELLOWISH BROWN (10YR 5/4) MOIST, MED. DENSE.
									SDFF-SDFN				LOW-MOD. EST. IR. VFG-FG SUBANG SAND 5% SILT, 5-10% MG.
			24	22	G					4			5-10% CG
KAFB-SB26702-02 0406						0/- (SB-26702-2@8)	SIEVE	TPHD & GRO		5			5'5 SAND (SP) YELLOWISH BROWN (10YR 5/6) MOIST, MED. DENSE
							VOC						MOD. EST. IR. VFG SUBANG SAND. 5% SILT, 2% MG.
							METALS	Hg ONLY	PESTICIDES	6			PEBBLES >15mm ϕ at 6FT + FOD STARTED PBECH 10-15mm ϕ
									SDNF				
										7			
										8			8' SAND (SW) LIGHT YELLOWISH BROWN (10YR 6/4) MOIST, MED DENSE
									SDNF-SDFN				MOD. EST. IR, VFG-FG SUBANG SAND. 5% SILT. 5% MG. 5-10%
KAFB-SB26702 0911						0/- (SB-26702-3@9FT)				9			CG. +1% SUBANG PEBBLES TO 15mm ϕ
			24	22	G		SIEVE	TPHD & GRO					
										10			

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56

Borehole / Well No.: ST267-02

Notes:

Sample ID	Sampler Type	Blows / 6 inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/FID	Analysis		Laboratory Code	(Color - Symbol)	Depth (ft)	Recovery	Contact
							VOC			SAMPLE			
							METALS	Hg PH	BACKGROUND		11		T.D.

10-15' GRAVELLY SAND (SW) YELLOWISH BROWN (10YR 5/6) MOIST, LOOSE, NO BLOW-HIGH EST. IK, VFG-FG SUBANG SAND. 2-5% SLT, 5-10% MG, 10-20% CH-MCL, 10-20% SUBANG PEBBLES TO 8cm Ø

PROFESSIONAL GEOLOGIST
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WYOMING

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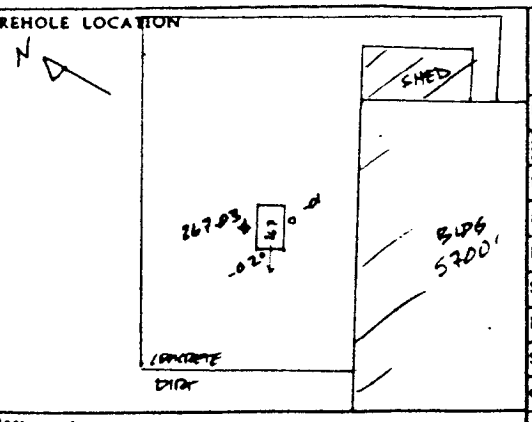
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project: KAFB Stage 2B	Borehole/Well No: SS267-03
	Job No: 2A56
Logged By: J. Pavletich	Edited By: JP
Project Manager: K. Walker	Drill Rig: Geoprobe
Drilling Contractor: BCE	
Driller/Helper: B. Wolfe	
Drilling Method: Geoprobe Construction Method Code: V (driven), HA = Hand Augered	
Sample Method: LARGE-BORE SAMPLER	
Hammer Weight/Drop: N.A.	Borehole Diameter: 1.375"
Started, Time: 1430	Date: 6-27-94
Completed, Time: 1525	Date:

Notes: 4, 6'

BACKGROUND 0-1 u/HR

HNu/PID	0/					
B-7 (cpm)	14-18C					
Time	1430					
Date	6 27 94					

Total Depth: 11 FT | Casing Depth:

Screened Interval:

Sand Pack, #3: #0:

Well Development Method:

Time: Date: Flow Rate:

Geophysical Logs, Type:

By: Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/PID Reading	Analyses		Lithology Code	Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
									SCL				CONCRETE 0-3'
										1			CLAYEY SAND (SC) DARK YELLOWISH BROWN (10YR 4/4)
													MOIST, SOFT-MOD DENSE LOW PLAST. 1K, VFG-FG SUBANG SAND
										2			15-20% CLAY, 15-20% SILT 2-3% FG-MG SAND.
									SCSW SAND	3			3? SAND (SW) DARK YELLOWISH BROWN (10YR 4/6) MOIST,
										4			DENSE, LOW-MOD. PLAST. 1K, FG-MG SUBANG. SAND 5-10% SILT,
KAFB-SS267-03 0906			24	22	4	0/ 0/ 0/ 0/	SVOC	TPH	GRAB				10% VFG, 10-15% CG. DISTINCT BOUNDARY
							VOC			5			5.25' SILTY SAND (SM) YELLOWISH BROWN (10YR 5/4) MOIST.
							METALS	As, Pb	MOIST.	SCSW			MOD. DENSE, LOW-MOD. PLAST. 1K, VFG SUBANG SAND 10-15% SILT.
										6			MOTTLED & STAINED W/ CALCITE. SUBRND PEBBLES TO 15mm Ø GRAVEL
													5.75 SILTY SAND (SM) LIGHT YELLOWISH BROWN (10YR 6/4) MOIST
										7			MOD. DENSE. MOD. PLAST. 1K, VFG SUBANG. SAND 10-15% SILT,
													2-5% FG,
										8			
KAFB-SS267-03 0911			24	22	4	0/ 0/ 0/ 0/	SVOC	TPH	GRAB	9			9.75' GRAVELLY SAND (SW) YELLOWISH BROWN (10YR 5/4) DRY-
													MOIST, DENSE, MOD. PLAST. 1K, MG-CG SUBANG. SAND, 5-10% SILT.
										10			5-15% VFG 10-15% FG, 10-15% SUBANG. PEBBLES TO 12mm Ø

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56

Borehole/Well No.: SB269-03

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recv'd	Sample Cond.	HNu/FID	Analysis	Lithology Code	Depth (ft)	Recovery	Contact
							VOC		11		T.D.
							MEOHS Hg PH MOIST				

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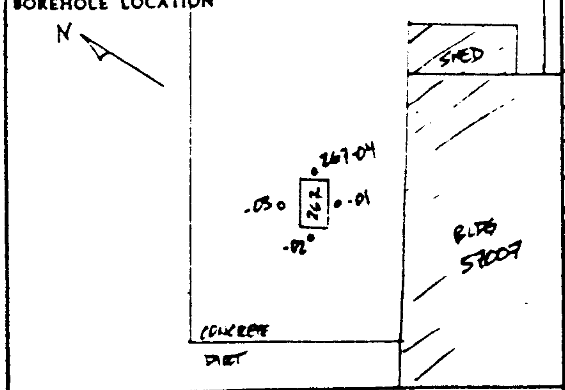
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION



Project:	KAFB Stage 2B
Borehole/Well No:	ST267-04
Job No:	2A56
Logged By:	J. Pavletich
Edited By:	JP
Project Manager:	K. Walter
Drill Rig:	Geoprobe
Drilling Contractor:	BRE
Driller/Helper:	B. Wolfe
Drilling Method:	Geoprobe Construction Method Code = V (driven), HA = Hand Augered
Sample Method:	LARGE-BORE SAMPLER
Hammer Weight/Drop:	N.A.
Borehole Diameter:	1.375"
Started, Time:	1520 Date: 6-27-94
Completed, Time:	1630 Date: 6-27-94

Notes:

BACKGROUND γ = 9 uR/HR

HNu/PID	0/-				
β-γ (cpm)	100-160				
Time	1530				
Date	6-27-94				

Total Depth: 11 FT Casing Depth:

Screened Interval:

Sand Pack, #3: #0:

Well Development Method:

Time: Date: Flow Rate:

Geophysical Logs, Type:

By: Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/PID Reading	Analyses		Lithology Code	Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
									SP-CL	0			CONCRETE 0-3"
													CLAYEY SAND (SC) DARK YELLOWISH BROWN (10YR 4/4) MOIST,
			12	5	G	0/- (β-γ: 100-160 PID)				1			MED. DENSE, LOW EST. IF, VFG SUBANG SAND 10-15% CLAY, 5%
										2			FG 1-2% MG 1% CG.
									SP/F	3			
													3'? SAND (SP) YELLOWISH BROWN (10YR 5/6) MOIST, MED. DENSE, MOD
KAFB-ST267-04 04-06			24	21	G	0/3 (β-γ: 100-160 9.1)	SVOC TPH VOC METALS	TPH GRO Hg pH MOIST.		4			EST. IR, VFG SUBANG. SAND 5-10% SILT, 1-2% FG. P&ML.
										5			5.75' GRAVELLY SAND (SP) YELLOWISH BROWN (10YR 5/6) MOIST, DENSE
									SP/GR	6			MOD. EST. IR, VFG-FG SUBANG SAND 5% SILT. 10-15% MG 5-10% CG
													10-20% SUBANG-SUBRND PEBBLES TO 20mm φ.
										7			
										8			
KAFB-ST267-04 09-11										9			9-11' SAME AS AT 5.75' @ 11' V. DENSE, SUBRND PEBBLES
			24	21	G	0/3 (β-γ: 100-180 9.9)	SVOC TPH	DRO GRO		10			TO 20mm φ.

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56

Borehole/Well No. SVE7-04

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/PID	Analysis		Lithology Code	(Grade)	Depth (ft)	Recovery	Contact
							VOC						
							METHANE BY PID MAX SCREEN			↓	1		T.D.
											2		
											3		
											4		
											5		
											6		
											7		
											8		
											9		
											0		
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											4		
											5		
											6		
											7		
											8		
											9		
											0		

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JOSEPH P. PAVLETICH
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WYOMING

Appendix D
Field Data

United States Air Force

Environmental Restoration Program

RECEIVED
MAY - 3 1994

Informal Technical Information Report
Stage 2B-Soil Gas
Site 26

Kirtland Air Force Base
New Mexico 87117-5000

February 1994

INSTALLATION RESTORATION PROGRAM (IRP)

STAGE 2B

SITE 26

ANALYTICAL DATA
INFORMAL TECHNICAL INFORMATION REPORT (ITIR)
KIRTLAND AIR FORCE BASE, NEW MEXICO
STAGE 2B - SOIL GAS

FEBRUARY 1994

PREPARED BY

U.S. GEOLOGICAL SURVEY, WATER RESOURCES DIVISION
4501 INDIAN SCHOOL ROAD, NE, SUITE 200
ALBUQUERQUE, NEW MEXICO 87110-3929

USAF CONTRACT NO. AFCEE 91-02

ENVIRONMENTAL RESTORATION DIVISION
RODNEY ARNOLD, TEAM CHIEF

AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE
ENVIRONMENTAL SERVICES OFFICE
ENVIRONMENTAL RESTORATION DIVISION (AFCEE/ESR)
BROOKS AIR FORCE BASE, TEXAS 78235-5328

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Figure 1.--Approximate sampling locations at Site 26, Manzano Fire Training Area FT-14.-----2

Table 1.--Concentrations of volatile organic compounds in soil-gas samples.----------3

Chromatograms----------4

A soil-gas survey was conducted at site 26 (Manzano Fire Training Area) on January 19 and 20, 1994. The purpose of the survey was to map potential contamination from volatile organic compounds in the shallow unsaturated zone outside the fire training pits. This survey was conducted because some of the soil samples collected beneath the pits contained reported concentrations of the compounds listed below:

Compound	Maximum Reported Concentration (mg/kg)
Ethylbenzene	1.1
Toluene	0.64
Tetrachloroethene	0.019
Xylene	8.6

Twelve locations were sampled at the base of the earthen berm that forms the margin of the fire training pits (fig. 1). A stainless steel probe rod was hydraulically driven to a depth of five feet at each location. The tip of each probe rod was equipped with a disposable steel drive point. The probe rod was retracted approximately one inch to drop the disposable drive point, and to expose open hole for soil gas withdrawal. A low volume vacuum pump was used to withdraw soil gas at a rate of approximately 200 ml/min. The flow of soil gas was monitored with a flow meter to ensure the soil-gas probe was not plugged and that soil gas was being collected. Two liters of soil gas were withdrawn to purge the system prior to collection of a soil-gas sample for analysis. The soil-gas samples were collected with gas-tight syringes through a septum in a sampling port located in line between the probe and the vacuum pump.

The soil-gas samples were analyzed with a Photovac 10S50 gas chromatograph equipped with a photoionization detector (10.6 eV lamp potential), and a dimethyl polysiloxane capillary column. The gas chromatograph was configured for precolumn backflush operation. Working standards were prepared daily at two concentrations from a stock-standard solution obtained from the USGS National Water Quality Laboratory. The working-standard solutions contained the following compounds at the specified concentrations:

Compound	Concentration (µg/L) High standard	Low Standard
trans-1,2-Dichloroethene	4.0	1.2
cis-1,2-Dichloroethene	32.0	9.6
Benzene	12.9	3.9
Trichloroethene	15.3	4.5
Toluene	12.6	3.8
Tetrachloroethene	29.7	8.9
m-Xylene	30.6	9.2

Working standards were analyzed as required to monitor changing response factors and retention times. Other quality control samples (instrument blanks, equipment blanks, and ambient conditions blanks) were analyzed as required to check for possible sources of false positive results.

No volatile organic compounds were detected in the soil-gas samples analyzed in this survey (table 1).

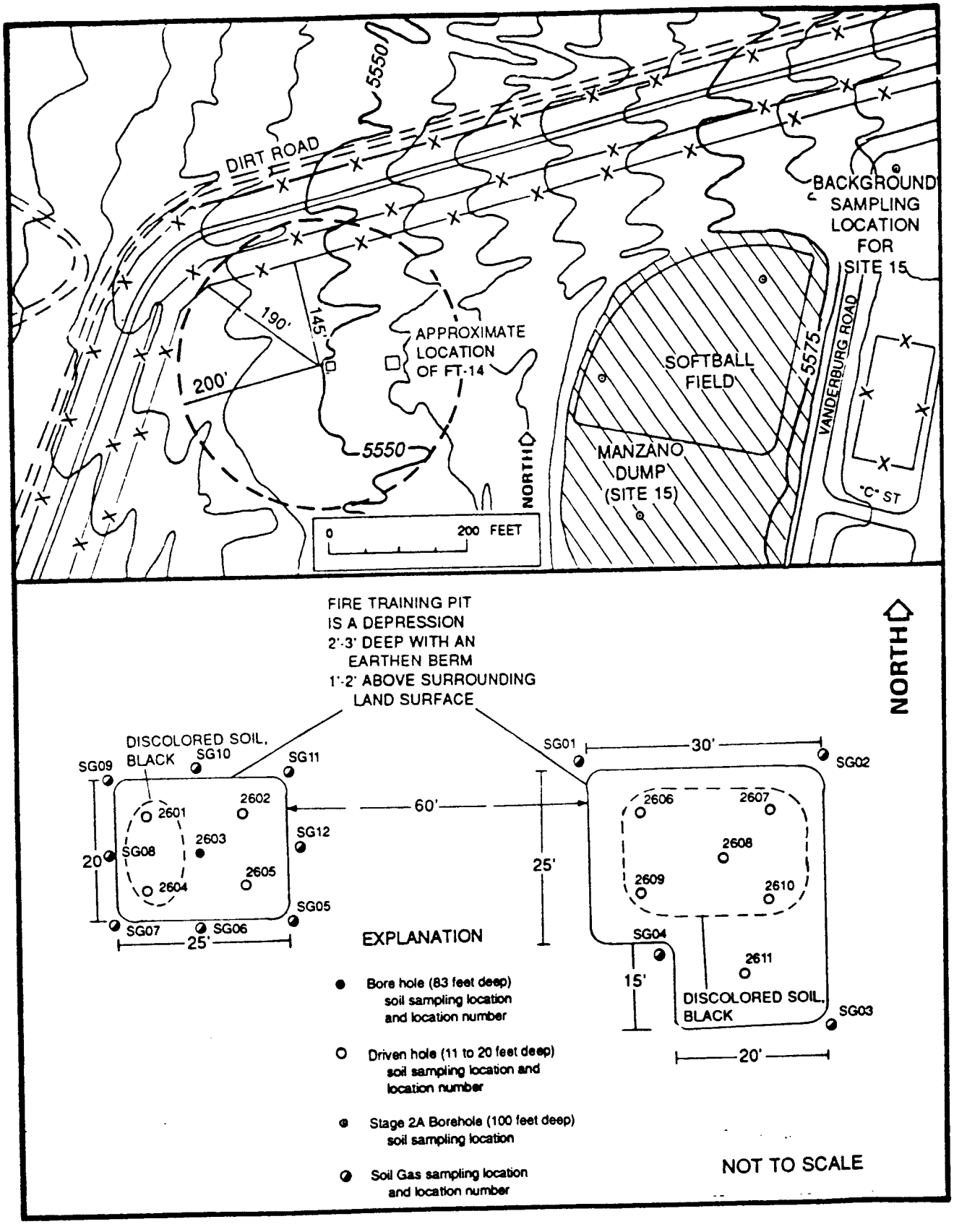
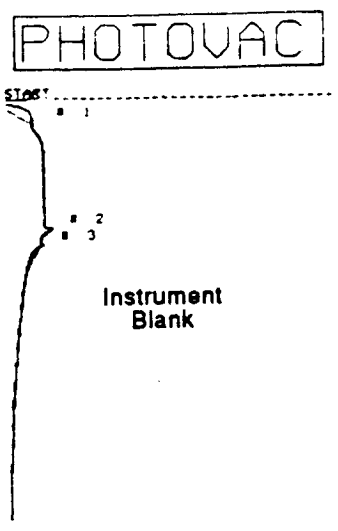


Figure 1.--Approximate sampling locations at Site 26, Manzano Fire Training Pit FT-14.

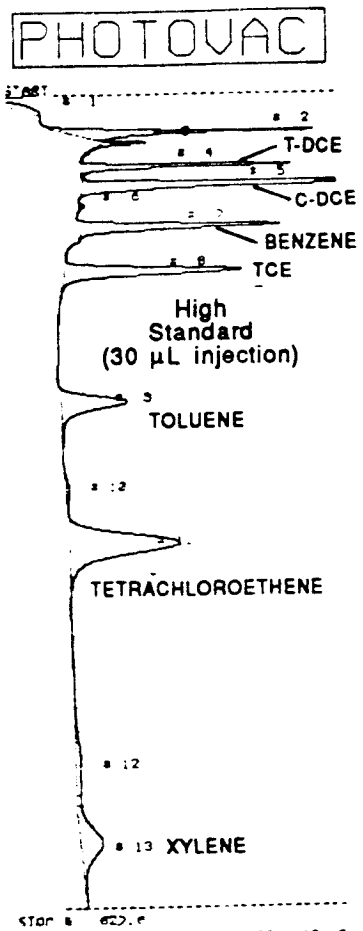
Soil-gas Location	Concentration relative to headspace analysis of aqueous standard (µg/L)
SG01	ND
SG02	ND
SG03	ND
SG04	ND
SG05	ND
SG06	ND
SG07	ND
SG08	ND
SG09	ND
SG10	ND
SG11	ND
SG12	ND

Table 1.--Concentrations of volatile organic compounds in soil-gas samples. ND; none detected.



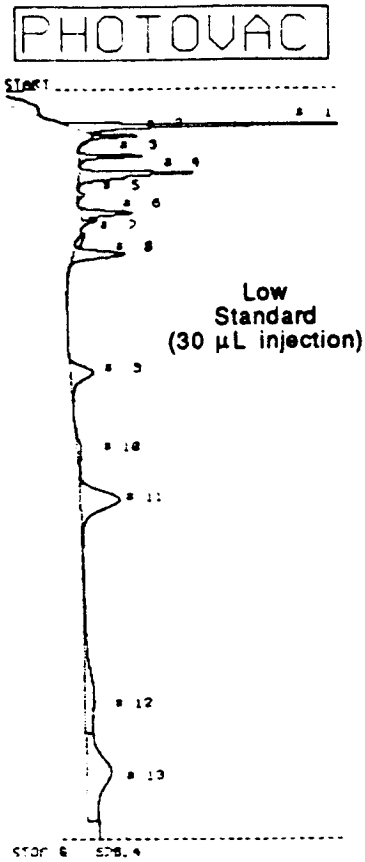
STOP 6 425.8
SAMPLE LIBRARY 1 JAN 19 1994 12:38
ANALYSIS # 1 MANZANO FTA
INTERNAL TEMP 22 SITE 26
GAIN 100 INST BLANK

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	15.0	538.6 PPB
UNKNOWN	2	104.5	22.8 PPB



STOP 6 622.6
SAMPLE LIBRARY 1 JAN 19 1994 13: 6
ANALYSIS # 4 MANZANO FTA
INTERNAL TEMP 27 SITE 26
GAIN 100 HI STD

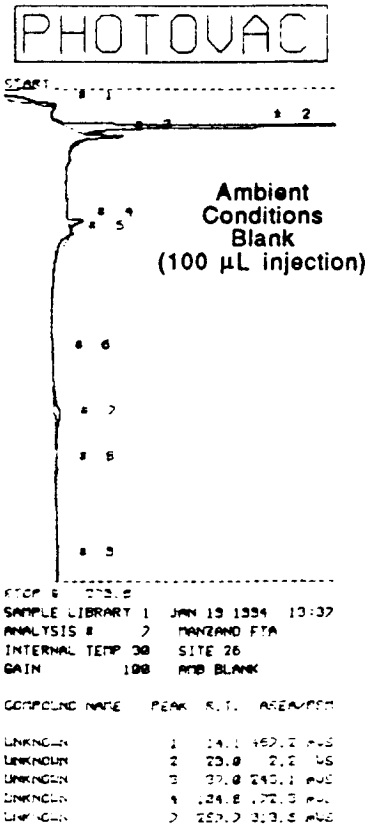
COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	14.8	405.3 PPB
UNKNOWN	2	30.0	2.4 UG
UNKNOWN	3	50.0	282.2 PPB
UNKNOWN	4	56.3	1.2 UG
UNKNOWN	5	65.2	5.0 UG
UNKNOWN	6	88.3	26.3 PPB
UNKNOWN	7	104.5	2.8 UG
UNKNOWN	8	133.6	2.2 UG
UNKNOWN	9	240.8	2.2 UG
UNKNOWN	10	311.5	175.9 PPB
UNKNOWN	11	353.8	6.5 UG
UNKNOWN	12	525.2	1.4 UG
UNKNOWN	13	538.8	2.2 UG

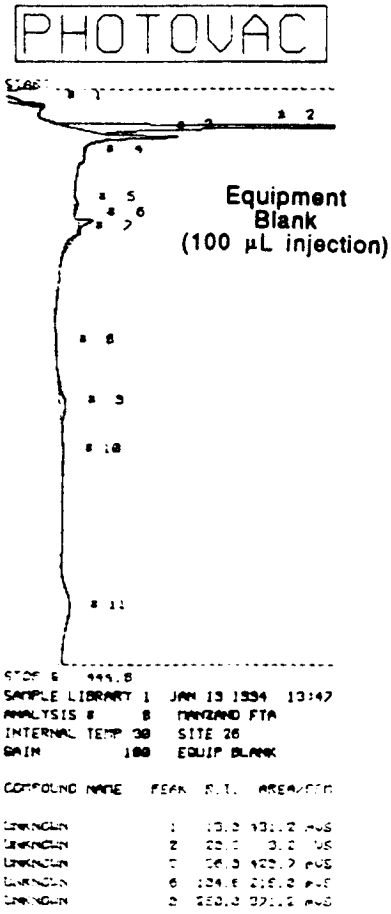


STOP 6 526.4
SAMPLE LIBRARY 1 JAN 19 1994 13:19
ANALYSIS # 5 MANZANO FTA
INTERNAL TEMP 29 SITE 26
GAIN 100 LO STD

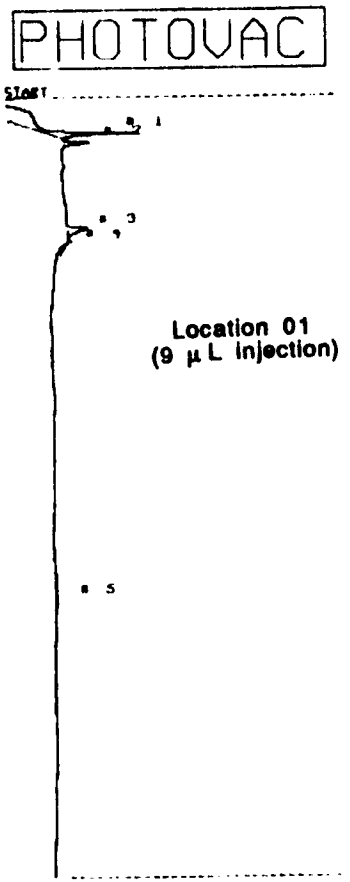
COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	20.8	1.0 UG
UNKNOWN	2	39.6	532.5 PPT
UNKNOWN	3	54.6	452.2 PPB
UNKNOWN	4	66.9	1.5 UG
UNKNOWN	5	84.4	75.1 PPB
UNKNOWN	6	96.8	268.2 PPB
UNKNOWN	8	130.4	253.1 PPB
UNKNOWN	9	222.8	528.2 PPB
UNKNOWN	10	284.2	136.8 PPB
UNKNOWN	11	324.1	2.0 UG
UNKNOWN	12	482.6	1.5 UG
UNKNOWN	13	528.3	3.6 UG

Soil-Gas Survey
Site 26 (Manzano Fire Training Area)
01-19-94, Initial Instrument Calibration.





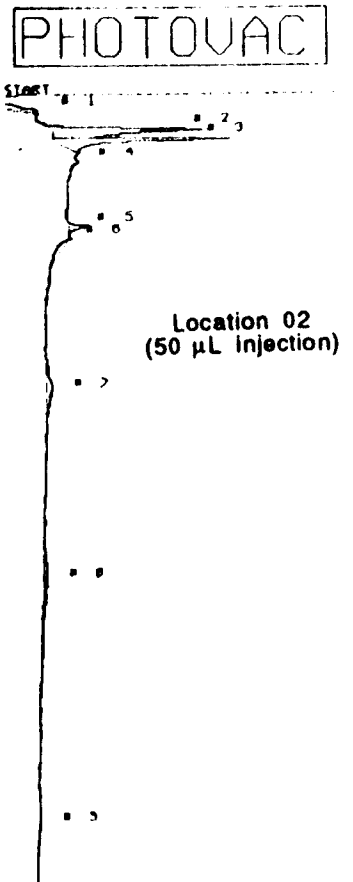
Soil-Gas Survey
Site 26 (Manzano Five Training Area)
01-19-94, Quality Control Samples.



Location 01
(9 µL injection)

STOP @ 608.1
SAMPLE LIBRARY 1 JAN 19 1994 14:17
ANALYSIS # 3 MANZANO FTA
INTERNAL TEMP 30 SITE 26
GAIN 100 SG LOC 1

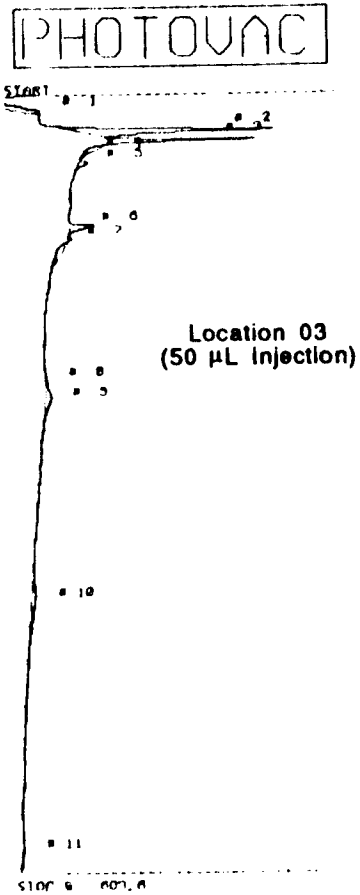
COMPOUND NAME	PEAK	R.T.	AREA/CPM
UNKNOWN	1	25.0	2.3 US
UNKNOWN	2	38.4	152.8 mUS
UNKNOWN	3	104.5	224.9 mUS
UNKNOWN	5	332.2	202.3 mUS



Location 02
(50 µL injection)

STOP @ 626.2
SAMPLE LIBRARY 1 JAN 19 1994 14:28
ANALYSIS # 10 MANZANO FTA
INTERNAL TEMP 29 SITE 26
GAIN 100 SG LOC 2

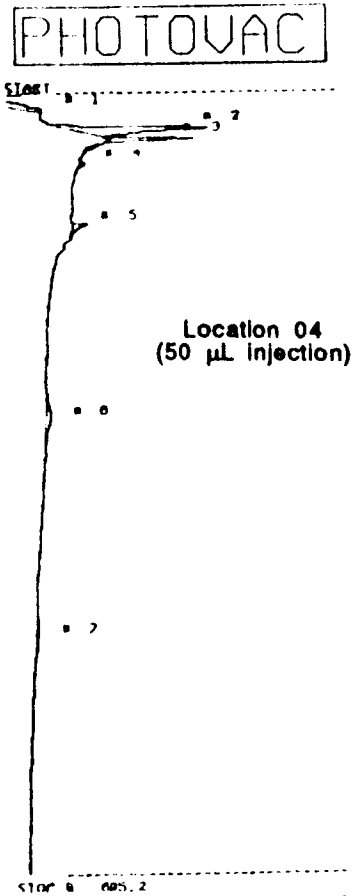
COMPOUND NAME	PEAK	R.T.	AREA/CPM
UNKNOWN	1	19.3	952.6 mUS
UNKNOWN	2	38.3	2.3 US
UNKNOWN	3	56.5	1.2 US
UNKNOWN	6	104.5	242.0 mUS
UNKNOWN	7	232.2	950.1 mUS
UNKNOWN	8	332.2	324.1 mUS



Location 03
(50 µL injection)

STOP @ 601.6
SAMPLE LIBRARY 1 JAN 19 1994 15:08
ANALYSIS # 11 MANZANO FTA
INTERNAL TEMP 28 SITE 26
GAIN 100 SG LOC03

COMPOUND NAME	PEAK	R.T.	AREA/CPM
UNKNOWN	1	19.4	693.8 mUS
UNKNOWN	2	38.2	1.3 US
UNKNOWN	3	56.0	105.4 mUS
UNKNOWN	5	84.3	36.8 mUS
UNKNOWN	6	104.8	272.6 mUS
UNKNOWN	9	233.5	261.8 mUS

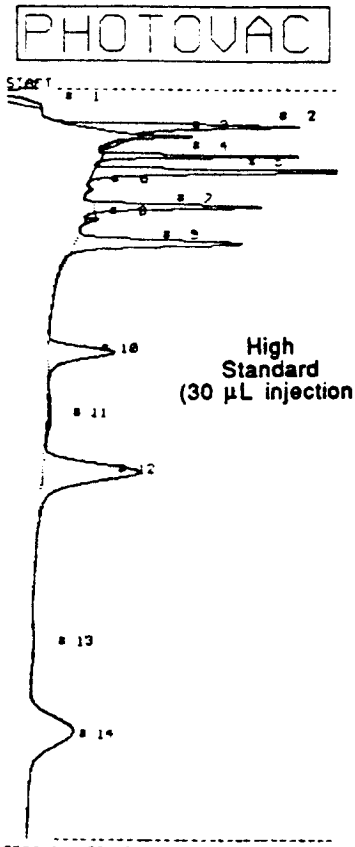


Location 04
(50 µL injection)

STOP @ 605.2
SAMPLE LIBRARY 1 JAN 19 1994 15:29
ANALYSIS # 12 MANZANO FTA
INTERNAL TEMP 27 SITE 26
GAIN 100 SG LOC 04

COMPOUND NAME	PEAK	R.T.	AREA/CPM
UNKNOWN	1	19.3	531.1 mUS
UNKNOWN	2	38.5	1.2 US
UNKNOWN	3	56.2	482.1 mUS
UNKNOWN	4	58.2	64.5 mUS
UNKNOWN	5	104.5	181.0 mUS
UNKNOWN	8	255.8	246.8 mUS

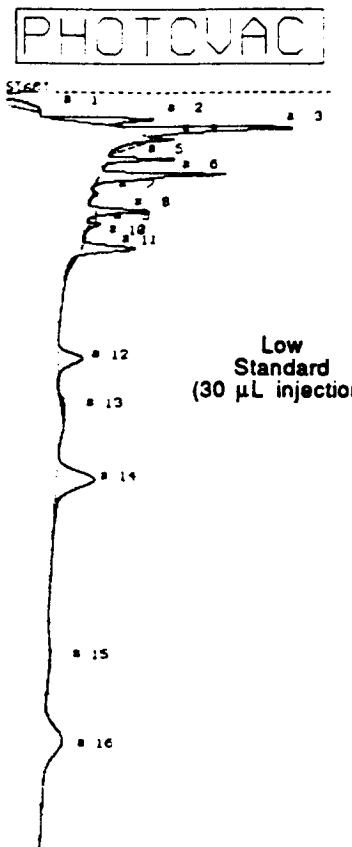
Soil-Gas Survey
Site 26 (Manzano Fire Training Area)
01-19-94, Sample Locations 1-4.



High
Standard
(30 µL injection)

STOP 6 580.5
SAMPLE LIBRARY 1 JAN 19 1994 15:37
ANALYSIS # 13 MANZANO FTA
INTERNAL TEMP 26 SITE 26
GAIN 100 HI STD

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	15.8	568.8 AVG
UNKNOWN	2	20.6	2.1 VS
UNKNOWN	3	30.0	168.8 AVG
UNKNOWN	4	52.3	1.5 VS
UNKNOWN	5	63.6	4.3 VS
UNKNOWN	7	80.4	2.3 VS
UNKNOWN	8	184.5	100.4 AVG
UNKNOWN	9	122.4	3.1 VS
UNKNOWN	10	202.4	2.2 VS
UNKNOWN	11	260.5	272.9 AVG
UNKNOWN	12	303.5	4.8 VS
UNKNOWN	13	416.6	91.5 AVG

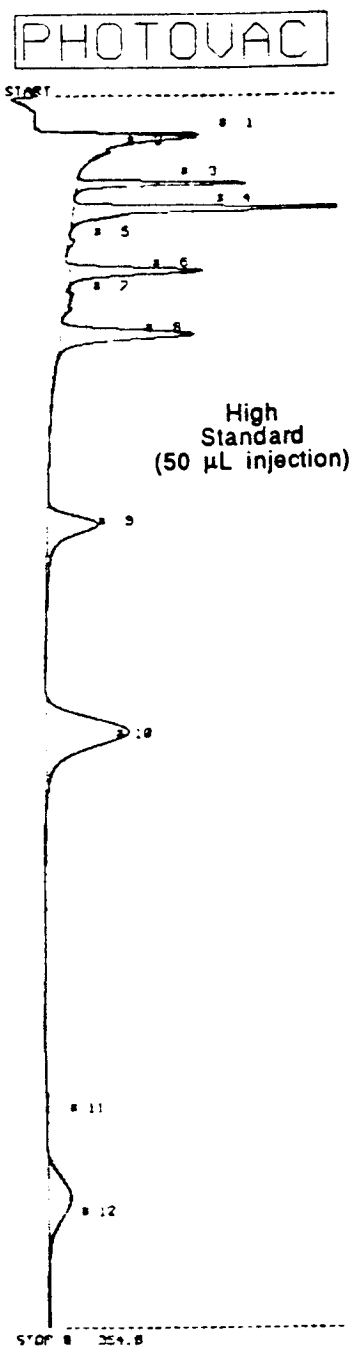


Low
Standard
(30 µL injection)

STOP 6 630.3
SAMPLE LIBRARY 1 JAN 19 1994 15:58
ANALYSIS # 14 MANZANO FTA
INTERNAL TEMP 27 SITE 26
GAIN 100 LO STD

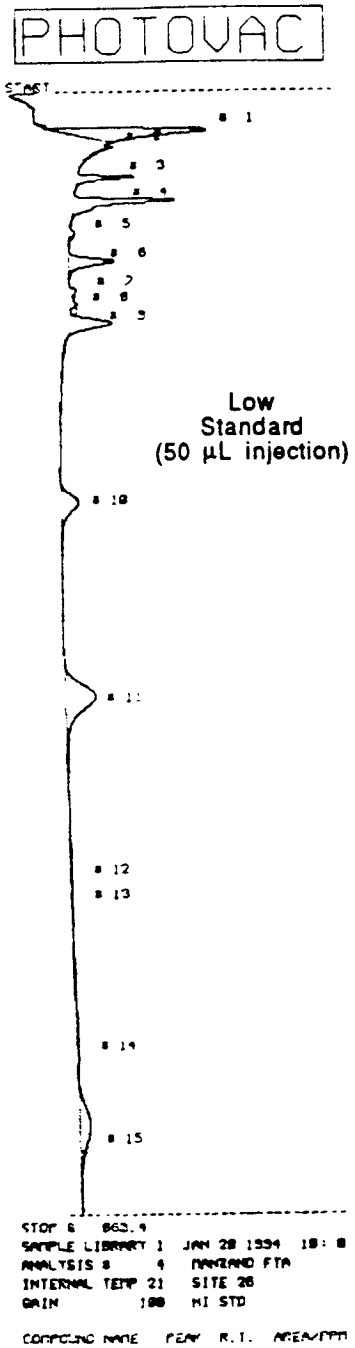
COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	15.7	570.2 AVG
UNKNOWN	2	21.6	854.8 AVG
UNKNOWN	3	23.8	2.1 VS
UNKNOWN	5	52.7	483.6 AVG
UNKNOWN	6	69.3	1.5 VS
UNKNOWN	7	79.6	54.4 AVG
UNKNOWN	8	92.7	707.6 AVG
UNKNOWN	9	184.5	105.1 AVG
UNKNOWN	11	122.8	920.3 AVG
UNKNOWN	12	210.7	806.2 AVG
UNKNOWN	13	247.6	116.9 AVG
UNKNOWN	14	295.1	1.6 VS
UNKNOWN	15	442.4	133.6 AVG

Soil-Gas Survey
Site 26 (Manzano Fire Training Area)
01-19-94, Calibration Check.



STOP @ 354.8
SAMPLE LIBRARY 1 JAN 28 1994 9:44
ANALYSIS # 3 MANZANO FTA
INTERNAL TEMP 18 SITE 26
GAIN 100 HI STD

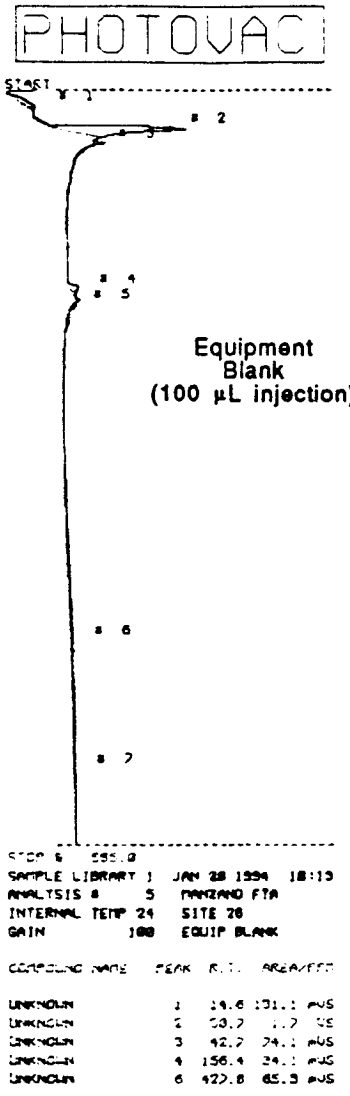
COMPOUND NAME	PEAK	R.T.	AREA/PPM	
UNKNOWN	3	68.2	1.2	US
UNKNOWN	4	88.1	5.8	US
UNKNOWN	5	114.1	63.6	mVS
UNKNOWN	6	132.6	2.8	US
UNKNOWN	7	156.8	58.2	mVS
UNKNOWN	8	188.2	3.2	VS
UNKNOWN	9	332.6	2.3	VS
UNKNOWN	10	583.1	2.3	VS
UNKNOWN	11	794.6	33.2	mVS
UNKNOWN	12	933.2	2.8	VS

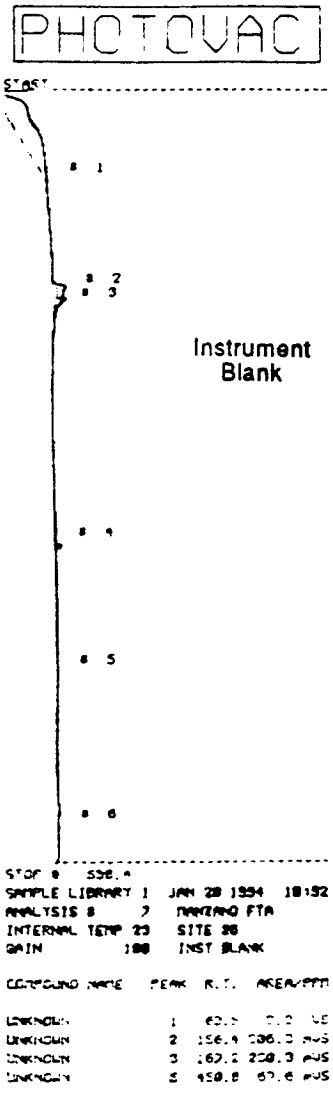


STOP @ 863.4
SAMPLE LIBRARY 1 JAN 28 1994 10: 8
ANALYSIS # 4 MANZANO FTA
INTERNAL TEMP 21 SITE 26
GAIN 100 HI STD

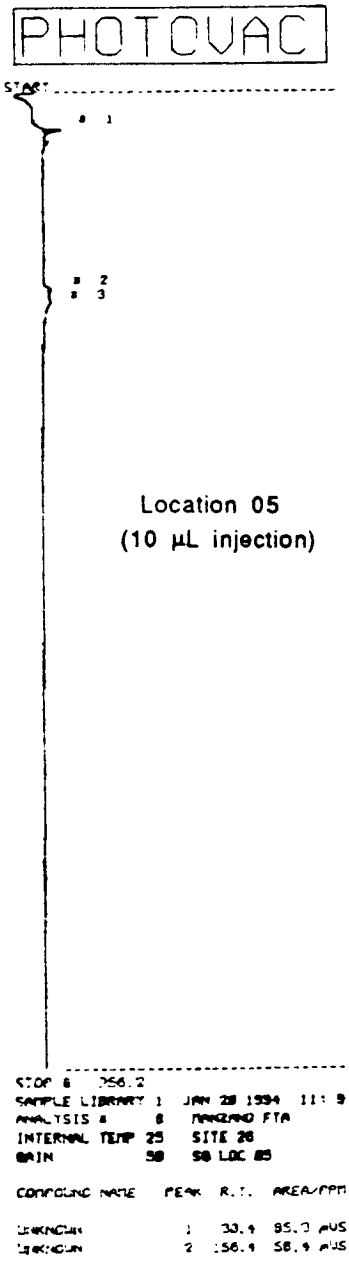
COMPOUND NAME	PEAK	R.T.	AREA/PPM	
UNKNOWN	1	31.3	2.4	US
UNKNOWN	3	68.3	552.1	mVS
UNKNOWN	4	82.1	1.5	US
UNKNOWN	5	111.2	68.3	mVS
UNKNOWN	6	134.4	325.3	mVS
UNKNOWN	7	156.4	53.2	mVS
UNKNOWN	8	182.2	1.8	US
UNKNOWN	10	324.1	331.1	mVS
UNKNOWN	11	422.2	2.5	US
UNKNOWN	14	742.2	184.2	mVS
UNKNOWN	15	813.6	1.1	US

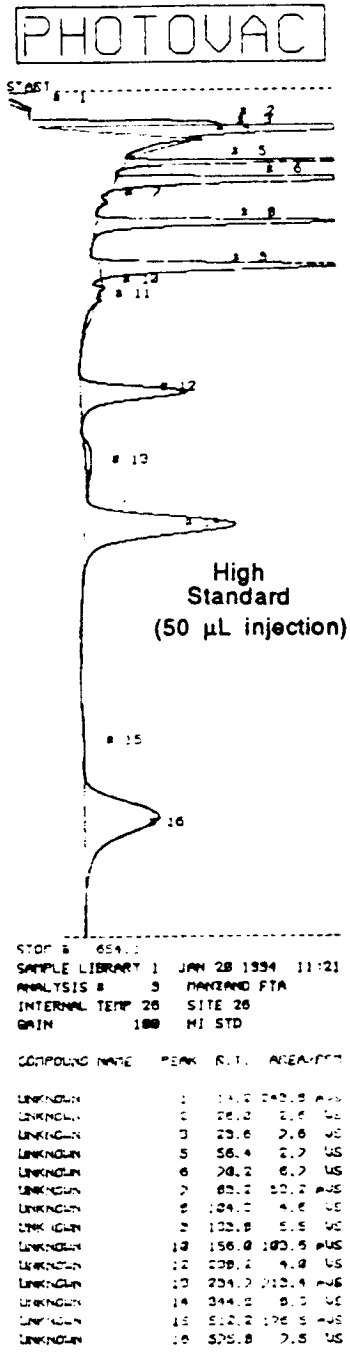
Soil-Gas Survey
Site 26 (Manzano Fire Training Area)
01-20-94, Initial Instrument Calibration.

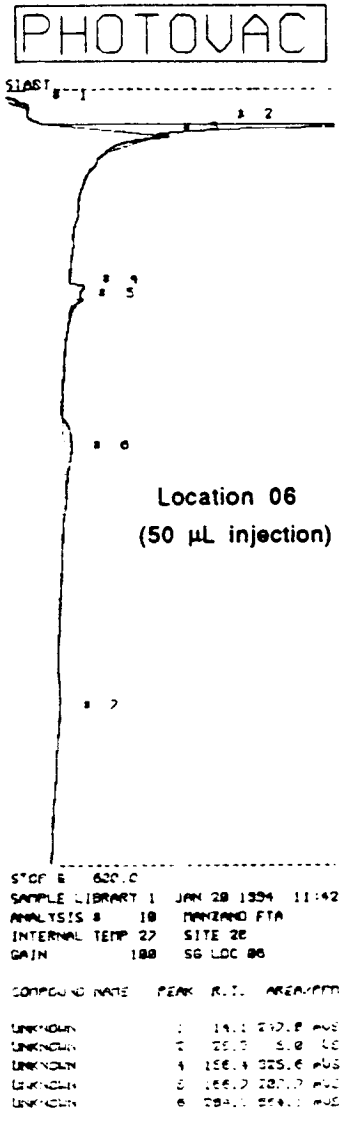




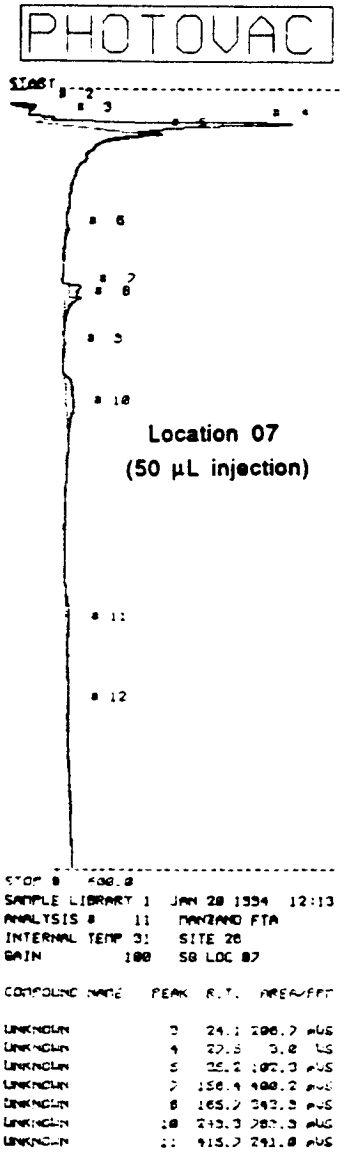
Soil-Gas Survey
Site 26 (Manzano Fire Training Area)
01-20-94, Quality Control Samples





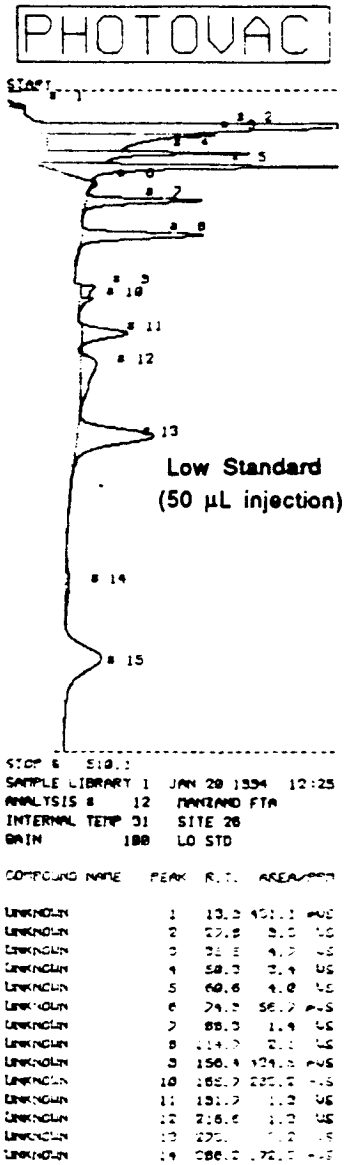


Soil-Gas Survey
Site 26 (Manzano Fire Training Area)
01-20-94, Sample Location 05, Calibration Check, and Sample Location 06



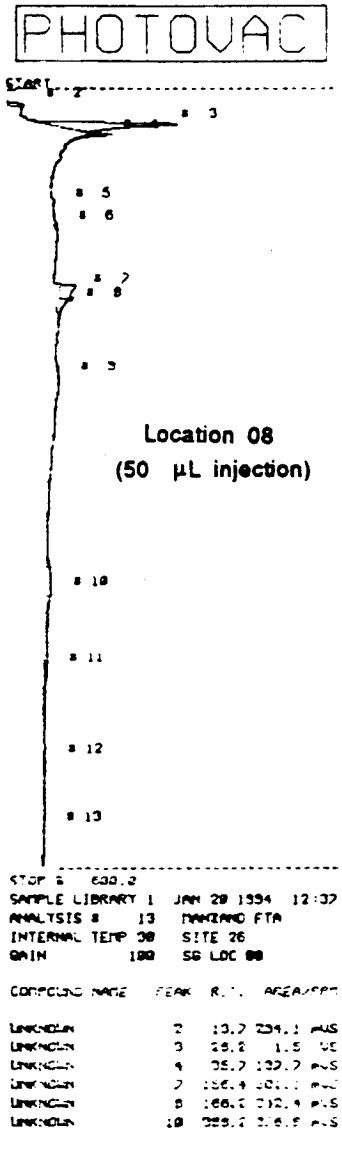
STOP @ 490.0
SAMPLE LIBRARY 1 JAN 28 1994 12:13
ANALYSIS # 11 MANZANO FTA
INTERNAL TEMP 31 SITE 26
GAIN 100 SG LOC 07

COMPOUND NAME	PEAK	R.T.	AREA/PPM	
UNKNOWN	3	24.1	206.7	AUS
UNKNOWN	4	32.5	3.0	US
UNKNOWN	5	35.2	102.3	AUS
UNKNOWN	7	156.4	400.2	AUS
UNKNOWN	8	165.7	242.5	AUS
UNKNOWN	10	248.3	287.3	AUS
UNKNOWN	11	415.7	291.8	AUS



STOP @ 510.1
SAMPLE LIBRARY 1 JAN 28 1994 12:25
ANALYSIS # 12 MANZANO FTA
INTERNAL TEMP 31 SITE 26
GAIN 100 LO STD

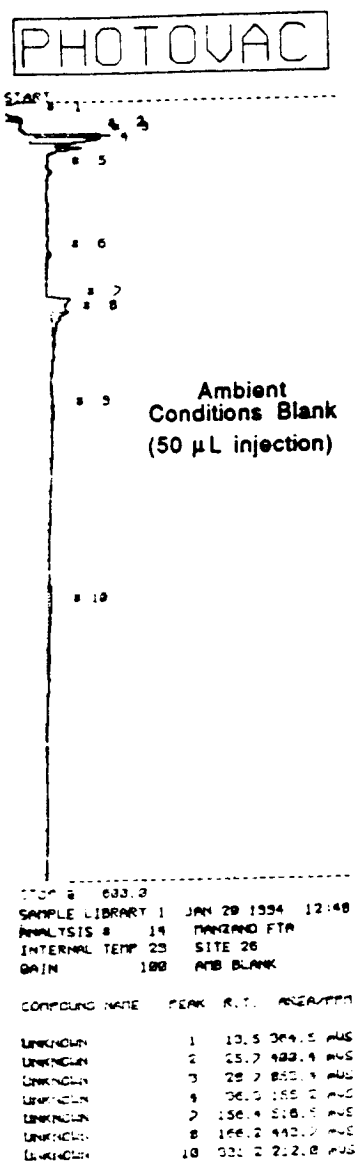
COMPOUND NAME	PEAK	R.T.	AREA/PPM	
UNKNOWN	1	13.3	401.1	AUS
UNKNOWN	2	22.8	5.0	US
UNKNOWN	3	25.5	4.7	US
UNKNOWN	4	58.3	2.4	US
UNKNOWN	5	60.6	4.0	US
UNKNOWN	6	74.3	56.2	AUS
UNKNOWN	7	88.3	1.4	US
UNKNOWN	8	114.7	2.1	US
UNKNOWN	9	156.4	124.5	AUS
UNKNOWN	10	165.7	220.2	AUS
UNKNOWN	11	181.7	1.2	US
UNKNOWN	12	216.6	1.2	US
UNKNOWN	13	225.	1.2	US
UNKNOWN	14	386.2	72.1	AUS



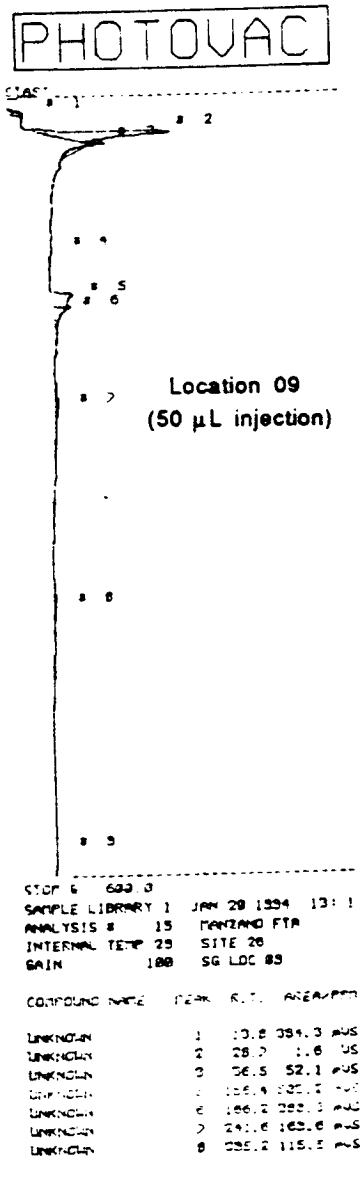
STOP @ 630.2
SAMPLE LIBRARY 1 JAN 28 1994 12:37
ANALYSIS # 13 MANZANO FTA
INTERNAL TEMP 30 SITE 26
GAIN 100 SG LOC 08

COMPOUND NAME	PEAK	R.T.	AREA/PPM	
UNKNOWN	2	13.7	234.1	AUS
UNKNOWN	3	25.2	1.5	US
UNKNOWN	4	35.7	132.7	AUS
UNKNOWN	7	156.4	301.1	AUS
UNKNOWN	8	166.1	212.4	AUS
UNKNOWN	10	255.2	216.5	AUS

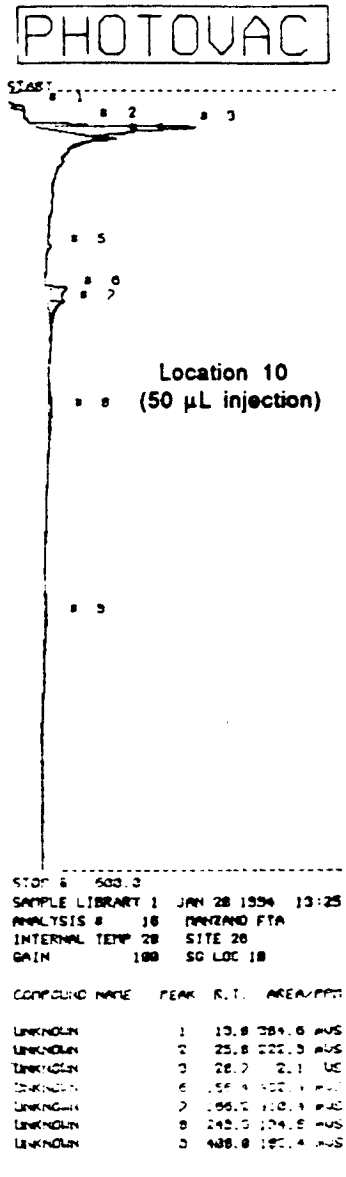
Soil-Gas Survey
Site 26 (Manzano Fire Training Area)
01-20-94, Sample Location 07,Calibration Check, and Sample Location 08.



Ambient Conditions Blank (50 µL injection)

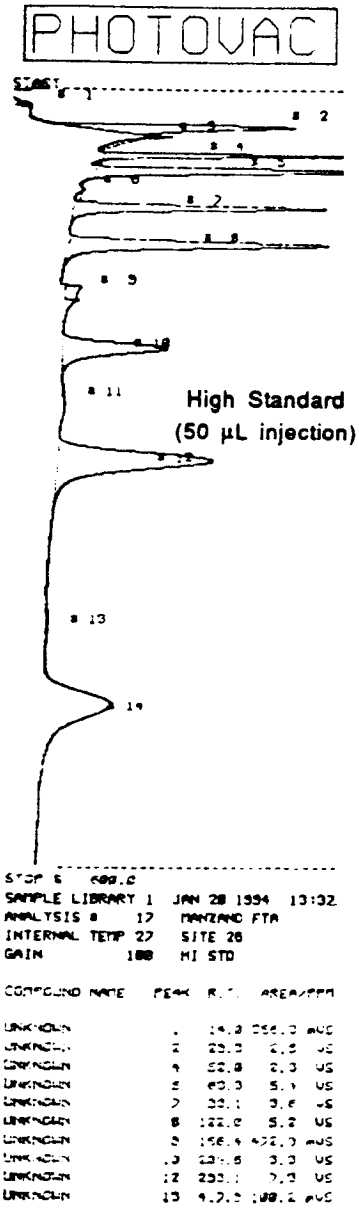


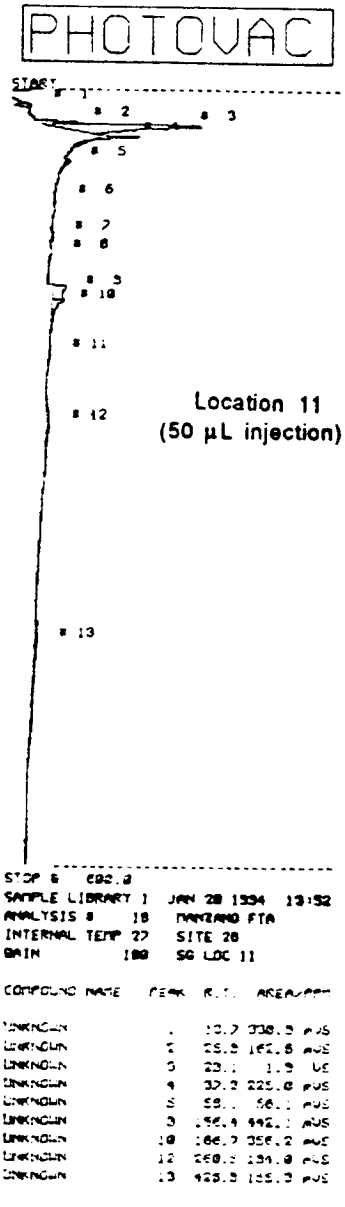
Location 09 (50 µL injection)

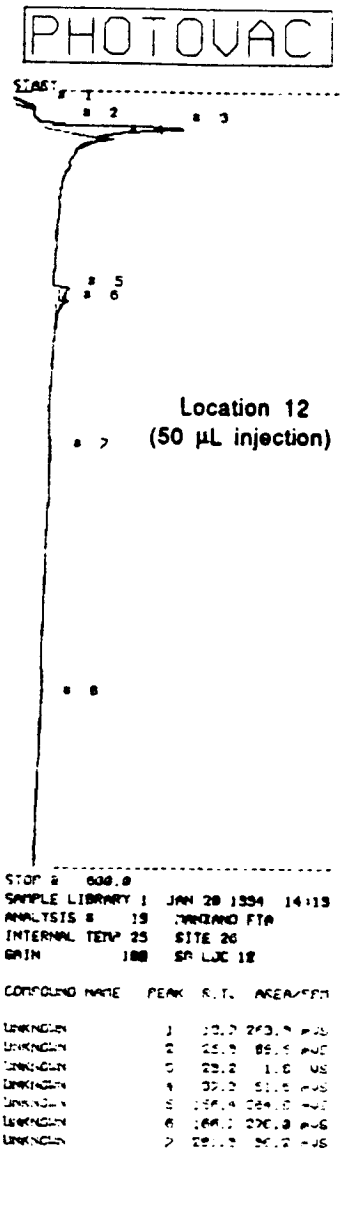


Location 10 (50 µL injection)

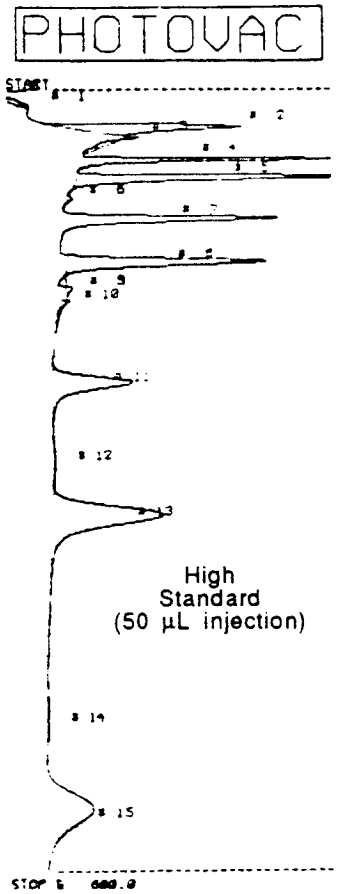
Soil-Gas Survey
Site 26 (Manzano Fire Training Area)
01-20-94, Quality Control Sample and Sample Locations 09 and 10.







Soil-Gas Survey
Site 26 (Manzano Fire Training Area)
01-20-94, Calibration Check and Sample Locations 11 and 12.



Soil-Gas Survey
Site 26 (Manzano Fire Training Area)
01-20-94, Calibration Check.

E

Appendix E
Surveying Data

Pt #	North	East	Elev	Control Pt Sample No
443	1473435.2	403366.5	5353.2	BUILDING CORNER
444	1473528.2	403367.5	5353.1	BUILDING CORNER
445	1473557.9	403345.4	5350.9	CONCRETE PAD
446	1473562.8	403345.5	5350.9	CONCRETE PAD
447	1473608.2	403357.6	5353.1	BUILDING CORNER
448	1473556.9	403349.2	5351.0	ST 228-01
453	1473041.5	402063.6	5342.9	ST 246-06
454	1473041.5	402052.5	5342.5	ST 246-07
455	1473041.4	402044.8	5342.2	ST 246-08
456	1473040.8	402041.5	5341.8	ST 246-09
457	1473076.0	402015.2	5344.5	ST 246-10
458	1473051.2	402034.5	5344.5	ST 246-02
459	1473050.8	402036.0	5344.5	ST 246-11
460	1473052.4	402043.8	5344.7	ST 246-12
461	1473052.0	402044.7	5344.8	ST 246-03
462	1473052.0	402052.7	5344.9	ST 246-04
463	1473051.9	402053.4	5344.9	ST 246-13
464	1473049.9	402063.7	5344.6	ST 246-05
465	1473042.8	402098.3	5344.5	LIGHT POLE
466	1473077.9	402108.0	5346.0	CONCRETE PAD
467	1473112.7	402088.4	5346.0	CONCRETE PAD
472	1472376.2	403127.4	5351.3	BUILDING CORNER
475	1472297.9	403137.4	5350.9	ST 222-01
476	1472319.2	403125.3	5351.1	ST 222-02
477	1472319.4	403115.2	5350.8	ST 223-02
478	1472318.9	403107.8	5350.8	ST 223-01
479	1472326.7	403105.3	5350.9	ST 222-02
480	1472335.0	403107.9	5351.0	ST 222-03
481	1472357.1	403112.3	5351.4	ST 224-02
482	1472357.7	403106.5	5351.4	ST 224-01
483	1472360.0	403111.4	5351.4	CONCRETE PAD
484	1472332.0	403111.8	5350.9	CONCRETE PAD
485	1472326.3	403126.9	5351.4	BUILDING CORNER
492	1473304.4	398236.6	5325.5	ST 221-01
493	1473296.5	398313.6	5325.8	ST 221-02
494	1473306.7	398321.6	5325.7	ST 221-03
495	1473306.0	398332.5	5325.8	ST 221-04
496	1473302.3	398340.3	5325.6	ST 221-05
497	1473283.9	398340.5	5325.9	ST 221-06
498	1473275.4	398330.6	5326.0	ST 221-07
499	1473275.5	398320.0	5326.0	ST 221-08
500	1473285.6	398313.3	5326.0	ST 221-09
501	1473280.6	398304.5	5326.1	CONCRETE PAD
502	1473280.2	398296.9	5326.1	CONCRETE PAD
503	1473277.6	398315.9	5326.0	CONCRETE PAD
504	1473303.6	398316.3	5326.6	CONCRETE PAD
509	1473052.9	397822.4	5323.6	ST 220-01
510	1473058.2	397822.6	5323.6	ST 220-02
511	1473058.6	397817.9	5323.6	ST 220-04
512	1473052.5	397818.0	5323.6	ST 220-03
513	1473049.6	397819.4	5323.6	DROP INLET

Pt #	North	East	Elev	Control Pt Sample No
514	1473059.5	397819.5	5323.6	DROP INLET
517	1473291.2	403372.3	5353.3	ST 241-01
518	1473293.1	403411.1	5353.6	ST 241-02
519	1473293.6	403417.1	5353.6	ST 241-03
520	1473296.1	403415.7	5353.7	METAL LID
521	1473296.2	403411.8	5353.7	METAL LID
522	1473297.1	403465.3	5353.4	BUILDING CORNER
523	1473298.3	403364.8	5353.4	BUILDING CORNER
527	1472984.1	403703.6	5357.2	ST 238-02
528	1472976.2	403704.3	5357.2	ST 238-03
529	1472959.0	403669.1	5356.3	ST 238-01
530	1472956.3	403696.8	5357.2	CONCRETE PAD
531	1472998.0	403713.2	5357.3	BUILDING CORNER
532	1473011.2	403784.9	5357.2	BUILDING CORNER
533	1473012.2	403765.4	5357.2	ST 240-02
534	1473021.0	403771.0	5357.1	ST 240-01
535	1473010.7	403838.5	5357.4	BUILDING CORNER
540	1472986.7	403825.4	5357.4	ST 239-01
541	1472985.9	403826.0	5357.4	METAL LID
542	1472985.8	403827.9	5357.4	METAL LID
543	1473120.7	403879.0	5359.4	ST 244-01
544	1473224.6	403911.1	5359.9	ST 245-01
545	1473226.3	403916.4	5360.0	ST 244-04
546	1473227.9	403917.7	5360.0	ST 244-03
547	1473226.3	403919.5	5360.0	ST 244-02
548	1473223.3	403918.7	5360.1	ST 244-05
549	1473223.9	403916.7	5360.0	METAL LID
550	1473227.4	403916.8	5360.0	METAL LID
551	1473247.3	403935.3	5360.9	BUILDING CORNER
552	1473122.8	403943.6	5360.5	BUILDING CORNER
559	1475694.9	409313.2	5392.1	ST 248-01
560	1475644.1	409300.9	5392.6	ST 249-01
561	1475637.1	409298.9	5392.7	ST 249-03
562	1475637.1	409299.4	5392.7	ST 249-02
563	1475634.3	409303.1	5392.7	ST 249-04
564	1475636.9	409304.6	5392.6	CONCRETE PAD
565	1475640.7	409304.7	5392.6	CONCRETE PAD
566	1475652.7	409297.7	5392.8	BUILDING CORNER
567	1475673.5	409297.8	5392.6	FENCE CORNER
568	1475661.8	409278.9	5392.5	ST 248-05
569	1475662.8	409284.0	5392.5	ST 248-04
570	1475658.8	409282.5	5392.5	ST 248-03
571	1475658.7	409285.4	5392.5	ST 248-02
600	1474041.3	409538.4	5397.4	ST 250-01
601	1474036.7	409544.0	5397.4	ST 250-02
602	1474041.9	409544.1	5397.6	CONCRETE PAD
603	1474063.2	409509.4	5397.4	CONCRETE PAD
604	1474034.1	409464.3	5397.2	BUILDING CORNER
605	1473871.0	409380.9	5396.0	ST 251-06
606	1473871.1	409381.4	5396.0	ST 251-03
607	1473875.8	409380.4	5396.0	ST 251-05

Pt #	North	East	Elev	Control Pt Sample No
311	1475036.0	395182.7	5320.5	DRAIN-FLOOR
312	1475025.8	395206.2	5320.0	BUILDING CORNER
313	1475102.2	395176.3	5330.6	OVERHANG
314	1474860.8	395518.4	5320.0	ST 217-02
315	1474863.5	395515.9	5319.9	ST 217-03
316	1474893.1	395446.5	5319.1	ST 217-01
317	1474860.9	395512.7	5319.8	BUILDING CORNER
318	1474875.2	395519.7	5320.0	BUILDING CORNER
319	1474833.1	395484.7	5319.8	BUILDING CORNER
320	1474900.1	395503.3	5319.0	CONCRETE PAD
322	1475001.6	395679.5	5320.6	ST 219-07
323	1474999.1	395681.9	5320.5	ST 219-06
324	1474996.9	395684.1	5320.6	ST 219-05
325	1474996.3	395692.8	5320.9	ST 219-04
326	1474988.2	395693.5	5321.1	ST 219-02
327	1474988.7	395684.5	5320.7	ST 219-03
328	1474970.9	395659.1	5320.3	ST 219-01
329	1474986.9	395689.5	5321.1	EDGE-CONCRETE
330	1474992.2	395694.9	5321.2	EDGE-CONCRETE
331	1475027.2	395719.2	5320.8	BUILDING CORNER
332	1474917.8	395562.3	5320.0	BUILDING CORNER
337	1475212.9	395871.3	5321.5	ST 218-02
338	1475210.8	395863.4	5321.2	ST 218-03
339	1475300.7	395882.2	5321.4	ST 218-01
340	1475214.5	395867.1	5321.8	EDGE-CONCRETE
341	1475208.7	395861.0	5321.2	BUILDING CORNER
342	1475262.8	395910.7	5321.3	BUILDING CORNER
343	1475342.3	395858.5	5322.8	FENCE CORNER
355	1472935.7	399566.9	5332.2	ST 227-01
356	1472935.9	399557.8	5332.2	ST 227-02
357	1472937.5	399552.0	5332.3	ST 226-05
358	1472948.7	399560.0	5331.8	ST 226-04
359	1472947.1	399543.1	5331.9	ST 226-02
360	1472951.3	399550.6	5331.7	ST 226-03
361	1472986.8	399558.7	5332.8	ST 226-01
362	1472944.9	399534.1	5331.8	BUILDING CORNER
363	1472940.0	399542.6	5332.1	CONCRETE PAD
364	1472936.5	399564.6	5332.2	CONCRETE PAD
365	1472927.9	399590.7	5332.2	BUILDING CORNER
368	1472972.8	402448.3	5345.9	ST 233-02
369	1472920.0	402430.8	5346.4	ST 233-01
370	1472924.1	402479.2	5347.7	ST 232-02
371	1472924.6	402491.2	5347.8	ST 232-01
372	1472912.3	402512.4	5348.8	ST 230-01
373	1472909.6	402506.3	5348.5	ST 230-02
374	1472913.3	402496.3	5348.0	ST 231-04
375	1472903.8	402496.5	5348.0	ST 231-01
376	1472903.3	402481.2	5347.7	ST 231-02
377	1472912.9	402481.1	5347.7	ST 231-03
378	1472904.0	402480.9	5347.6	CONCRETE PAD
379	1472934.5	402476.9	5347.4	CONCRETE PAD

Pt #	North	East	Elev	Control Pt Sample No
380	1472960.5	402504.6	5348.5	BUILDING CORNER
381	1472844.4	402514.4	5348.4	BUILDING CORNER
388	1473576.2	403111.3	5353.0	ST 242-01
389	1473572.3	403116.9	5353.0	ST 242-03
390	1473571.6	403111.8	5352.9	ST 242-02
391	1473570.4	403103.0	5352.9	ST 243-03
392	1473572.2	403107.3	5352.9	ST 243-04
393	1473577.9	403101.7	5352.9	ST 243-05
394	1473572.1	403097.6	5352.9	ST 243-02
395	1473557.6	403073.8	5352.8	ST 243-01
396	1473542.9	403086.6	5352.8	CONCRETE PAD
397	1473541.8	403203.8	5352.1	CONCRETE PAD
398	1473583.8	403204.0	5353.0	BUILDING CORNER
399	1473585.0	403087.3	5353.1	BUILDING CORNER
400	1473540.0	403235.9	5351.9	NAIL,N/S,NAIL IN CON
401	1473414.4	403272.3	5351.9	ST 236-01
402	1473411.4	403271.6	5351.9	ST 236-02
403	1473411.6	403268.7	5351.9	ST 236-03
404	1473415.6	403267.1	5352.0	ST 236-04
405	1473409.5	403318.2	5351.7	ST 235-02
406	1473411.3	403310.7	5351.8	ST 235-01
407	1473411.7	403316.3	5351.8	GRATE
408	1473416.4	403325.8	5351.7	BUILDING CORNER
409	1473417.6	403240.7	5352.3	BUILDING CORNER
410	1473407.1	403246.9	5352.1	CONCRETE PAD
411	1473406.4	403345.5	5350.8	ST 237-01
412	1473404.4	403350.9	5350.8	CONCRETE PAD
413	1473323.3	403341.5	5352.2	NAIL,N/S,NAIL IN CON
416	1473268.7	403247.1	5353.4	ST 247-02
417	1473278.3	403248.9	5353.4	ST 247-01
418	1473273.8	403283.6	5353.8	BUILDING CORNER
419	1473257.8	403283.3	5353.9	BUILDING CORNER
420	1473307.9	403283.1	5353.7	CONCRETE PAD
421	1473309.0	403198.6	5353.7	CONCRETE PAD
424	1473619.2	402854.0	5351.9	ST 229-01
425	1473620.3	402860.0	5352.0	ST 229-02
426	1473627.4	402859.6	5351.7	ST 229-03
427	1473631.0	402853.9	5351.7	ST 229-04
428	1473624.2	402851.0	5352.0	ST 229-05
429	1473619.1	402853.5	5352.0	ST 229-06
430	1473621.0	402858.0	5352.7	CONCRETE PAD
431	1473624.0	402840.6	5351.7	UNDETERMINED MH
432	1473656.1	402777.4	5351.7	BUILDING CORNER
433	1473563.3	402877.2	5353.1	BUILDING CORNER
436	1473441.7	403342.0	5352.4	ST 234-03
437	1473436.0	403334.9	5351.8	ST 234-05
438	1473443.3	403333.1	5351.9	ST 234-04
439	1473449.8	403338.1	5352.0	ST 234-02
440	1473485.2	403338.0	5352.4	ST 234-01
441	1473459.3	403326.6	5351.9	BUILDING CORNER
442	1473447.8	403334.1	5352.7	CONCRETE PAD

SURVEY COORDINATES FOR 2B

Pt #	North	East	Elev	Control Pt Sample No
8	1472829.3	394066.6	5317.7	CP - "TRA-54-14"
13	1473076.4	400522.1	5335.6	CP - "TRI.NO.6"
25	1474948.1	409188.8	5394.6	CP - "FW-21"
40	1456898.5	423527.3	5621.3	CP - "MB-21"
41	1455741.6	420546.6		CP - "MB-2"
51	1442766.0	426767.7	5690.9	CP - WORKMAN
52	1444832.9	425526.0		CP - "T-54"
55	1457828.3	419651.1	5453.9	CP
56	1458346.8	418280.6	5439.1	CP - "T-336"
57	1457959.5	419441.5	5449.4	CP
58	1478013.4	409272.7	5390.2	CP - "FW-45"
59	1457930.4	419802.6	5455.8	CP
60	1463931.1	431828.2	6339.7	CP
61	1463019.3	431445.6	6319.5	CP - "T-30"
62	1464981.0	432312.7	6366.7	CP - "T-29"
63	1463861.0	432320.1	6315.6	CP
116	1473338.5	408418.3	5387.5	"FW-18"
121	1462186.8	431495.1	6288.9	"GEB-4-54"
152	1474216.6	394101.6	5317.9	TRAV.NO.2A
163	1472904.3	410185.9	5401.4	"FW-27"
164	1472360.1	405445.8	5365.5	"KAFB-2"
201	1474082.6	392732.2	5320.4	ST 201-01
202	1474048.6	392740.2	5319.8	ST 201-02
203	1474041.0	392744.9	5319.7	ST 201-03
204	1474041.7	392744.2	5319.8	CONCRETE PAD
205	1474039.5	392736.6	5319.0	SIDEWALK
206	1474131.8	392792.6	5320.7	BUILDING CORNER
207	1474131.3	392832.6	5320.2	BUILDING CORNER
224	1473122.7	393988.6	5318.5	ST 207-02
225	1473122.3	394002.8	5318.2	ST 207-01
226	1473115.7	393915.4	5319.1	ST 208-01
227	1473074.3	393871.1	5318.4	ST 208-02
228	1473077.2	393870.5	5318.5	ST 208-03
229	1473089.8	393799.6	5318.5	ST 206-01
230	1473090.1	393784.9	5318.4	ST 206-02
231	1473091.1	393798.3	5318.7	CONC. AT GRATE
232	1473073.2	393777.8	5318.0	BUILDING CORNER
233	1473076.3	393867.2	5318.5	CONCRETE PAD
234	1473090.9	393980.1	5318.5	BUILDING CORNER
235	1473124.4	393989.6	5319.0	ELEV. ON CONCRETE
238	1473050.2	393897.6	5318.8	ST 209-01
239	1473051.0	393909.4	5318.8	ST 209-02
240	1473066.6	393895.1	5319.0	ST 209-03
241	1473063.9	393910.5	5319.0	ST 209-04
242	1473052.9	393908.1	5319.0	GRATE
243	1473053.1	393896.8	5319.0	GRATE
244	1472806.7	393819.2	5317.9	ST 202-01
245	1472816.1	393815.7	5318.0	ST 203-03

Pt #	North	East	Elev	Control Pt Sample No
246	1472818.0	393824.9	5318.1	ST 203-02
247	1472826.4	393846.8	5318.0	ST 203-01
248	1472809.6	393900.2	5317.7	ST 205-01
249	1472817.0	393899.5	5317.9	ST 204-02
250	1472817.8	393908.6	5317.8	ST 204-01
251	1472816.7	393900.7	5318.1	CONCRETE PAD
252	1472806.9	393902.1	5317.6	GRATE
253	1472809.1	393958.3	5317.9	POWER POLE
254	1472817.0	393774.0	5317.9	BUILDING CORNER
255	1472771.7	393773.6	5318.3	BUILDING CORNER
258	1473709.1	394499.6	5318.4	ST 211-04
259	1473707.1	394503.2	5318.3	ST 211-03
260	1473710.8	394506.9	5318.3	ST 211-02
261	1473714.7	394504.0	5318.3	ST 211-05
262	1473736.0	394483.5	5318.1	ST 213-01
263	1473728.1	394479.9	5318.1	ST 213-02
264	1473711.4	394483.2	5318.1	ST 213-04
265	1473720.2	394482.9	5318.0	ST 213-03
266	1473709.9	394482.1	5318.0	GRATE
267	1473708.4	394505.6	5318.3	GRATE
268	1473727.0	394542.0	5318.3	POWER POLE
269	1473687.6	394468.1	5318.8	BUILDING CORNER
270	1473680.5	394406.1	5318.6	ST 212-02
271	1473676.6	394417.2	5318.6	ST 212-01
272	1473677.2	394414.6	5318.6	CONCRETE PAD
273	1473689.1	394354.4	5318.8	BUILDING CORNER
274	1473817.5	394896.9	5317.9	ST 210-02
275	1473798.4	394892.1	5318.3	ST 210-04
276	1473807.5	394895.4	5318.1	ST 210-03
277	1473781.7	394853.1	5317.9	ST 210-01
278	1473781.4	394851.6	5318.0	ST 210-05
279	1473768.5	394867.0	5318.4	ST 210-12
280	1473773.0	394872.4	5318.3	ST 210-11
281	1473775.4	394874.7	5318.3	ST 210-09
282	1473779.8	394882.3	5318.4	BUILDING CORNER
283	1473758.4	394885.8	5318.4	BUILDING CORNER
284	1473835.5	394884.5	5317.9	CONCRETE PAD
285	1473851.7	394853.3	5318.1	POWER POLE
292	1475017.7	395172.1	5320.4	ST 215-BACKGROUND
293	1475045.3	395194.1	5320.5	ST 214-04
294	1475054.7	395192.2	5320.4	ST 214-03
295	1475054.5	395185.4	5320.5	ST 214-02
296	1475096.1	395278.0	5319.5	ST 214-01
303	1475045.3	395181.7	5320.8	ST 214-05
304	1475035.5	395180.9	5320.6	ST 215-02
305	1475032.3	395177.8	5320.6	ST 215-01
306	1475030.5	395181.6	5320.6	ST 215-03
307	1475034.0	395185.1	5320.6	ST 215-04
308	1475020.1	395187.3	5320.6	ST 216-02
309	1475023.7	395195.7	5320.6	ST 216-01
310	1475026.6	395193.2	5320.6	DRAIN-FLOOR

Pt #	North	East	Elev	Control Pt Sample No
608	1473875.8	409381.3	5395.9	ST 251-02
609	1473902.2	409362.9	5395.9	ST 251-01
610	1473902.2	409363.5	5395.9	ST 251-04
611	1473870.4	409382.9	5396.0	CONCRETE PAD
612	1473885.9	409390.7	5396.1	CONC BOX
613	1473865.5	409446.2	5395.8	BUILDING CORNER
614	1473864.8	409322.2	5395.5	BUILDING CORNER
617	1473735.0	409220.0	5394.5	ST 252-01
618	1473741.6	409202.4	5394.3	ST 252-02
619	1473744.5	409204.7	5394.3	ST 252-03
620	1473766.3	409202.2	5394.5	ST 253-01
621	1473770.7	409205.2	5394.4	ST 253-02
622	1473772.5	409203.9	5394.6	ELEV. ON CONCRETE
623	1473747.8	409203.8	5394.5	ELEV. ON CONCRETE
624	1473782.6	409203.4	5394.7	BUILDING CORNER
625	1473782.5	409176.1	5394.6	CONCRETE PAD
626	1473782.8	409123.4	5394.2	BUILDING CORNER
639	1473852.8	408622.6	5390.8	ST 254-05
640	1473859.7	408620.8	5391.0	ST 254-04
641	1473859.2	408614.5	5390.9	ST 254-03
642	1473849.7	408608.9	5390.7	ST 254-02
643	1473883.2	408587.7	5391.4	ST 254-01
644	1473848.0	408611.9	5390.7	BUILDING CORNER
645	1473848.1	408629.8	5390.8	BUILDING CORNER
646	1473849.5	408621.4	5390.7	CONCRETE PAD
647	1473849.5	408612.6	5390.7	CONCRETE PAD
656	1472310.9	409679.2	5394.0	ST 261-02
657	1472319.6	409678.3	5394.0	ST 261-01
658	1472299.8	409695.8	5393.9	BUILDING CORNER
659	1472299.8	409630.9	5393.5	BUILDING CORNER
660	1472285.2	409778.3	5396.6	CONCRETE PAD
661	1472251.1	409778.8	5396.6	CONCRETE PAD
662	1472272.5	409769.9	5396.0	ST 259-02
663	1472270.9	409773.8	5396.0	ST 259-03
664	1472270.2	409765.4	5396.0	ST 259-05
665	1472263.3	409768.3	5396.0	ST 259-04
666	1472264.5	409757.3	5396.6	ST 260-02
667	1472250.0	409755.7	5396.4	ST 260-01
668	1472201.7	409802.4	5394.0	ST 259-01
671	1472334.9	410505.8	5399.7	ST 262-01
672	1472383.9	410565.3	5401.9	ST 262-05
673	1472382.6	410561.3	5401.9	ST 262-04
674	1472387.3	410559.5	5402.0	ST 262-03
675	1472390.9	410563.5	5402.0	ST 262-02
676	1472390.1	410560.3	5401.9	CONCRETE PAD
677	1472383.2	410560.3	5401.9	CONCRETE PAD
678	1472397.1	410571.4	5402.2	BUILDING CORNER
679	1472397.1	410599.6	5402.3	BUILDING CORNER
710	1473470.6	408261.5	5388.0	ST 255-01
711	1473475.5	408263.2	5388.0	ST 255-02
712	1473498.8	408200.7	5388.0	ST 256-02

Pt #	North	East	Elev	Control Pt Sample No
713	1473495.3	408205.5	5388.0	ST 256-01
714	1473499.6	408160.7	5388.0	ST 257-03
715	1473498.7	408166.0	5388.0	ST 257-02
716	1473532.0	408184.0	5387.7	ST 258-01
717	1473526.2	408180.8	5387.7	ST 258-02
718	1473526.8	408180.2	5387.7	GRATE
719	1473522.9	408157.2	5388.0	BUILDING CORNER
720	1473523.0	408209.2	5388.0	BUILDING CORNER
721	1473479.5	408311.6	5387.7	BUILDING CORNER
726	1473488.2	408103.7	5385.3	ST 257-01
727	1473471.1	408135.2	5385.5	ST 326
728	1473471.2	408135.7	5385.5	ST 326 - 2701
729	1473463.8	408142.1	5385.7	ST 326 - 2704
730	1473470.3	408149.8	5386.7	ST 326 - 2703
731	1473470.3	408150.2	5386.7	ST 326
732	1473478.5	408144.1	5385.8	ST 326
733	1473478.4	408143.7	5385.8	ST 326 - 2702
734	1473472.4	408141.6	5386.1	CONCRETE PAD
735	1473456.0	408149.3	5386.6	CONCRETE PAD
736	1473443.9	408157.3	5385.6	BUILDING CORNER
747	1477742.1	409251.6	5389.3	ST 263-02
748	1477744.8	409254.1	5389.3	ST 263-03
749	1477750.9	409252.7	5389.3	ST 263-04
750	1477767.0	409256.4	5389.2	ST 263-05
751	1477769.6	409259.0	5389.4	ST 263-06
752	1477774.2	409257.6	5389.4	ST 263-07
753	1477773.2	409255.9	5388.8	CONCRETE PAD
754	1477749.0	409251.2	5388.7	CONCRETE PAD
755	1477735.3	409248.0	5388.9	CONCRETE PAD
756	1477696.2	409263.0	5392.5	BUILDING CORNER
761	1477762.7	409300.4	5390.2	ST 263-01
764	1457534.9	424070.2	5634.8	ST 265-02
765	1457534.4	424075.3	5634.8	ST 265-01
766	1457692.2	424111.4	5635.1	ST 265-03
777	1442142.7	425833.4	5673.8	ST 266-01
778	1442113.2	425845.7	5672.4	ST 266-02
779	1442106.8	425843.0	5672.4	ST 266-03
780	1442103.1	425849.6	5672.6	ST 266-04
781	1442109.8	425851.5	5672.2	ST 266-05
782	1442110.3	425844.8	5672.2	CONCRETE PAD
783	1442089.9	425888.2	5674.4	BUILDING CORNER
784	1442060.5	425837.0	5674.5	BUILDING CORNER
785	1442057.4	425817.6	5674.4	BUILDING CORNER
788	1442385.3	425742.0	5669.3	ST 267-01
789	1442388.5	425741.9	5669.3	ST 267-04
790	1442387.4	425737.8	5669.3	ST 267-03
791	1442383.3	425737.6	5669.3	ST 267-02
792	1442383.4	425739.9	5669.3	CONCRETE PAD
793	1442381.9	425717.9	5668.9	CONCRETE PAD
794	1442305.5	425704.7	5669.0	BUILDING CORNER
795	1442394.4	425755.8	5669.3	BUILDING CORNER

Pt #	North	East	Elev	Control Pt Sample No
798	1457700.7	423847.4	5620.1	ST 264-01
799	1457648.4	423888.3	5621.2	BUILDING CORNER
800	1457656.9	423846.7	5620.9	BUILDING CORNER
801	1457643.0	423864.7	5621.1	ST 264-02
802	1457648.2	423863.7	5621.1	ST 264-03
803	1457645.3	423864.9	5621.1	CONCRETE PAD
804	1457649.5	423865.7	5621.2	CONCRETE PAD
805	1457506.7	424041.2	5634.8	BUILDING CORNER
806	1457554.1	424051.0	5635.3	BUILDING CORNER

F

Appendix F

Chain-of-Custody Forms

COC # 032894-2 FIELD # N/A

Halliburton NUS CORPORATION

NUS LABORATORY — CHAIN OF CUSTODY RECORD

PROJECT NO.: ZA56 | SITE NAME: KAFB

SAMPLERS (SIGNATURE): Jon Parker

STATION NO.	DATE 94	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	40 ml VOA vials VOCs on GRO	1 L Amber glass SVOCs on DRO	6" Brass tube methane, H2, pH meter	6" Brass Tube SVOCs DRO	6" Brass tube VOCs GRO	REMARKS
ST246	03/28	1455		✓	KAFB-ST-246-07-1517	3		1	1	1		
ST246	03/28	1605		✓	KAFB ST-246-06-1012	3		1	1	1		
ST246	3/28	1620		✓	KAFB ST 246 06-1517	3		1	1	1		
ST246	3/28	1702		✓	KAFB ST246 09-1012	3		1	1	1		
ST246	3/28	1700		✓	KAFB ST246 09-1519	3		1	1	1		
ST246	3/28	1702		✓	KAFB ST246 99-1519	3		1	1	1		
TB01	3/28	0815		✓	KAFB-TB-032894	2	2					
					Per Rita Sinko 3/31/94 @ 1134 am							
					Deleted GRO and DRO from							
					sample KAFB-TB-032894.							
							CM 3/31/94					

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
Jon Parker	032994 1930	FEDEX # 928335995 6			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS:	
		T Wynd	3/30 2145		

NUS 440 REVISED 0891

Halliburton NUS CORPORATION

NUS LABORATORY — CHAIN OF CUSTODY RECORD

PROJECT NO.: 2A56

SITE NAME: Kirtland AFB ST-210 (OWS)

SAMPLERS (SIGNATURE): Joe Pavletich

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	40 ml VOAs	6" Brass Tube VOCs + GROs	6" Brass Tube SVOCs + DROs	6" Brass Tube metals, TPH, soil moisture			REMARKS
210	3/23/94	1538		✓	AB-210-032394	2	2						COOL, 4°C
210	3/23/94	1630		✓	KAFB-ST210-01-0810 BLS	3		1	1	1			
210	3/23/94	1713		✓	KAFB-ST210-01-1517	3		1	1	1			
	3/23/94	1538			KAFB-TB-01-032394	2	2						

RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)	RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)
Joe Pavletich	3-24-94 1615	FEDEX 926335599 34			
RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)	RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)
RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED FOR LABORATORY BY (SIGNATURE)	DATE / TIME	REMARKS	
		Jesse Ackerman	3/25 0930	Joe Pavletich 505-247-4933	

NUS 440 REVISED 8/91

COC # 032494-1 FIELD ACTIVITY CONTROL # 212A

Halliburton NUS CORPORATION

NUS LABORATORY — CHAIN OF CUSTODY RECORD

PROJECT NO.: 2A56 SITE NAME: KIRTLAND AFB

SAMPLERS (SIGNATURE): Joseph T. Pavletich

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	VOCs 40 ml VOAs	6 oz BRASS TUBE VOCs + GROs	6 oz BRASS TUBE SVOCs + DROs	6" BRASS TUBE METALS, HG, PH	SVOCs (TPH DRO 32 oz Amber Bottle	1 L Polyethylene bottle nitric + Hg	Temperature	REMARKS
ST 210	3/24/94	0930		✓	Equipment blank	7	4				2	1		cool, 4°C
ST 210	032494	1038		✓	KAFB ST210-02-0709	3		1	1	1				
ST 210	03/24/94	11:06		✓	KAFB ST210-02-1214	3		1	1	1				
ST 210	03/24/94	1205		✓	KAFB ST210-04-0810	3		1	1	1				
210	03/24/94	1150		✓	KAFB-AB-210-032494	2	2							
210	03/24/94	1234		✓	KAFB ST210-04-1517	3		1	1	1				
210	03/24/94	1306		✓	KAFB ST210-04-2022	3		1	1	1				
210	03/24/94	1513		✓	KAFB ST210-04-3032	3		1	1	1				
	03/24/94	0930			KAFB-TB-02-032494	2	2							for Info JM 3.1.94
	03/24/94	1710			KAFB-DG-01-032494	1							1	
					Per Rita Sculy 3/25/94 @ 1132/pm									
					Sample ID for KAFB-TB-02-032494									
					should be KAFB-TB-01-032494. JM 3/25/94									
					Per R. Sculy 3/28/94 @ 2:00 pm Add GRO to sample Equipment blank. Do not run GRO on TB's and AB's. JM 3/28/94									

RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)	RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)
Joe Pavletich	3-24-94 1645	FED EX 928335 9934			
RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)	RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)
RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED FOR LABORATORY BY (SIGNATURE)	DATE / TIME	REMARKS	
		Jesse Chavez	3/25 0930	JOSEPH PAVLETICH 505-247-4933	

COC # 032594-1 FIELD LOT # 111A

Halliburton NUS CORPORATION

NUS LABORATORY — CHAIN OF CUSTODY RECORD

PROJECT NO.: 2456 | SITE NAME: KIRTLAND AFB

SAMPLERS (SIGNATURE): Joe Parker

STATION NO.	DATE '94	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	6" Brass tube VOCs, GRO	6" Brass tube Metals, Hg, mositure	6" Brass tube SVOCs, TPH-DRO	40 ml VOAs w/ HCl VOCs & GRO	1 L polyethylene bottle, Metals, Hg	2 L Amber bottle SVOC & TPH-DRO	Terra Gauge KC 1000 — 250 ml	REMARKS
	03/25	0645			KAFB-TB-032594	2				2				STORED AT 4°C
ST-210	03/25	0648		✓	KAFB-EB-210-032594	7				4	1	2		
ST-210	03/25	0935		✓	KAFB-ST210-03-0709	3	1	1	1					
ST-210	03/25	1010		✓	KAFB-ST210-03-1216	3	1	1	1					
ST210	03/25	1010		✓	KAFB-ST210-99-1216	3	1	1	1					
ST210	03/25	1100		✓	KAFB-ST210-03-2527	3	1	1	1					
ST246	03/25	1525		✓	KAFB-ST246-01-1013	3	1	1	1					
ST246	03/25	1515		✓	KAFB-AB-246-032594	2				2				
ST246	03/25	1545		✓	KAFB-ST246-01-1416	3	1	1	1					

Per Rita Lucko 3/28/94 @ 2pm
Do not run GRO on TBs and ABs
(i.e. KAFB-TB-032594 and
KAFB-AB-246-032594) dlh 3/28/94

RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)	RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)
Joe Parker	032594 1200	FEDEX 926335994 5			
RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)	RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)
RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED FOR LABORATORY BY (SIGNATURE)	DATE / TIME	REMARKS:	
		Jesse Chevan	3/26 0940		

NOT REVISED [illegible]

COC # 032894-1 FIELD LOT # 011A

Halliburton NUS CORPORATION — **NUS LABORATORY** — **CHAIN OF CUSTODY RECORD**

PROJECT NO.: 2A56 | SITE NAME: KAFB

SAMPLERS (SIGNATURE): Jon Pawlak

STATION NO.	DATE 94	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	40 ml VOA vials VOCs or GRO	2 L Amber Glass SVOCs or DRO	6" Brass tube metals, Hg, PH meas.	6" Glass tube SVOCs, DRO	6" Brass tube VOCs, GRO	1 L HDPE metals + Hg	REMARKS
ST246	03/26	0815		✓	KAFB-EB-ST246-032894	7	4	2				1	
ST246	03/26	0922		✓	KAFB-ST246-02-1012	3			1	1	1		
ST246	03/26	0936		✓	KAFB-ST246-02-1517	3			1	1	1		
ST246	03/26	1015		✓	KAFB-ST246-02-2527	3			1	1	1		
ST246	03/26	1050		✓	KAFB-ST246-03-1014	3			1	1	1		
ST246	03/26	1105		✓	KAFB-ST-246-03-1517	3			1	1	1		
ST246	03/26	1155		✓	KAFB-ST-246-04-1014	3			1	1	1		
ST246	03/26	1155		✓	KAFB-ST-246-99-1014	3			1	1	1		
ST246	03/26	1215		✓	KAFB-ST-246-04-1519	6			2	2	2		MS/MSD
ST246	03/26	1305		✓	KAFB-ST-246-05-1012	3			1	1	1		
ST246	03/26	1325		✓	KAFB-ST-246-05-1517	3			1	1	1		
ST246	03/26	1354		✓	KAFB-ST-246-06-1012	3			1	1	1		
ST246	03/26	1419		✓	KAFB-ST-246-06-1517	3			1	1	1		
ST246	03/26	1445		✓	KAFB-ST-246-07-1012	3			1	1	1		

RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)	RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)
Jon Pawlak	032894 1730	FED EX #928335995 6			

RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED FOR LABORATORY BY (SIGNATURE)	DATE / TIME	REMARKS
		T Wynnk	3/30 0945	

NUS 440 REVISED 0491

COC # 032994-01 FIELD COT [illegible] NO. [illegible] Rec ~~1108~~ 111B

Halliburton NUS CORPORATION — NUS LABORATORY — *CHAIN OF CUSTODY RECORD*

PROJECT NO.: 2A56

SITE NAME: KIRTLAND AFB

SAMPLERS (SIGNATURE): Joe Pantil / Rita Serko

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	6" long Brass Tube VOCs GROs	6" long Brass Tube SVOCs DROs	6" long Brass Tube metals Hg pH % moisture	1 L plastic metals Hg	40 ml vials VOCs GROs	~~[illegible]~~ DROs 1/2 GAL Amber	1/2 GAL Amber SVOCs		REMARKS
ST226	3/29/94	1008		✓	EB-226-032994	7				1	4	1	1		
ST226	3/29/94	1143		✓	KAFB-ST226-01-0305	3	1	1	1						
ST226	3/29/94	1203		✓	KAFB-ST226-01-0810	3	1	1	1						
ST226	3/29/94	1236		✓	AB-226-032994-1 ~~KAFB-ST226~~ RLS	2					2				VOCs only
ST226	3/29/94	1251		✓	KAFB-ST226-02-0305	1			1						
ST226	3/29/94	1253		✓	KAFB-ST226-02-0507	2	1	1							
ST226	3/29/94	1308		✓	KAFB-ST226-02-0810	3	1	1	1						
ST226	3/29/94	1330		✓	KAFB-ST226-03-0306	3	1	1	1						
ST226	3/29/94	1347		✓	KAFB-ST226-03-0810	3	1	1	1						
ST226	3/29/94	1409		✓	KAFB-ST226-04-0306	3	1	1	1						
ST226	3/29/94	~~1417~~ 1419 RLS		✓	KAFB-ST226-04-0812	3	1	1	1						Per Rita Serko 3/31/94 @ 11 3/4 am
ST226	3/29/94	~~1417~~ 1419 RLS		✓	KAFB-ST226-99-0812	3	1	1	1						add pH and percent solid
ST226	3/29/94	1517		✓	KAFB-ST226-05-0307	3	1	1	1						to sample
ST226	3/29/94	~~1508~~ 1525 ST		✓	KAFB-ST226-05-0812	3	1	1	1						ST226-02-0507 [initials] 3/31/94

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
Joe Pantil	032994 1730	FED EX #9283359960			

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS:
		T Wyrick	3/30 0940	

NUS [illegible] REVISED [illegible]

FIELD LOT CTRL NO. # ## B IC-2

Halliburton NUS CORPORATION

NUS LABORATORY — CHAIN OF CUSTODY RECORD

PROJECT NO.:	SITE NAME:
2AS6	KIRTLAND AFB

SAMPLERS (SIGNATURE): Rita L Senko / Joe Parisi

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	6" Brass Tube VOCs GRO	6" Brass Tube SVOCs DRO	6" Brass Tube Archive	40 ml vials VOCs			REMARKS
SS226	3/29/94	1525 1529		✓	KAFB-JT226-05-0812	3	1	1	1				MS/MSD
TB01	3/30/94	1143		✓	TB-01-032994	2				2			

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
Joe Parisi	032994 1730	FEDEx # 9283359960			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS:	
		T Wysmith	3/30 0945		

NUS 440 REVISED 0891

COC # 033094-1 FIELD LOT # 011A Cooler temp 2.7 C

Halliburton NUS CORPORATION — **NUS LABORATORY** — **CHAIN OF CUSTODY RECORD**

PROJECT NO.:	SITE NAME:
2A56	KIRTLAND AFB

SAMPLERS (SIGNATURE): Joe Parietti

STATION NO.	DATE 1994	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	40ml VOAs VOC or GRO	2L Amber SVOC or DRO	1L HDPE metals, Hg	6" Brass tube VOCs, GRO	6" Brass tube SVOCs DRO	6" Brass tube metals, Hg, PM, Misc	REMARKS
	3/30	0840			TB-01-033094	2	2						STORED AT 4°C
ST 227	3/30	0915		✓	EB-227-033094		4	2	1				
ST 227	3/30	1000		✓	KAFB-ST227-01-0306					1	1	1	
ST 227	3/30	1015		✓	KAFB-ST227-01-0810					1	1	1	
ST 227	3/30	1045		✓	KAFB-ST227-01-1820					1	1	1	
ST 227	3/30	1110		✓	KAFB-ST227-02-0507					1	1	1	
ST 227	3/30	1130		✓	KAFB-ST227-02-0812					1	1	1	
ST 227	3/30	1200		✓	KAFB-ST227-02-1820					1	1	1	
	3/30	1330		✓	KAFB-DF-01-033094		4	2	1				
ST 233	3/30	1505		✓	KAFB-ST233-01-0811					1	1	1	
ST 233	3/30	1535		✓	KAFB ST233-01-1519					1	1	1	
ST 233	3/30	1545		✓	KAFB ST233 02-0001					1	1	1	
					Per Pete Desko 4/4/94 @ 1038 AM -								
					Add suitability to sample KAFB-DF-01-033094.								4/4/94

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
Joe Parietti	03/30/94 1745	AIRBILL FED Ex 9383359982			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS:	
		J Nyquist	3-31 0920		

NUS 440 REVISED 0891

COC # 033194-1 FIE LIT CONTROL # 0114 Cooler Temp °C

Halliburton NUS CORPORATION — **NUS LABORATORY** — **CHAIN OF CUSTODY RECORD**

PROJECT NO.: 2A56 | SITE NAME: KIRTLAND AFB

SAMPLERS (SIGNATURE): Joe Parisi

STATION NO.	DATE 94	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	40 ml VOA vials VOC ice GRO	2# Amber bottles SVOC ice DRO	1L HDPE metals HNO3	6" brass sleeve VOCs GRO	6" brass sleeve SVOC DRO	6" brass sleeve METALS HNO3 pH<2 ice store	REMARKS
	3/31	0710		✓	EB-230-033194	7	4	2	1				STORE AT 4°C
	3/31	0710			KAFB-TB-01-033194	2	2						
	3/31	0910		✓	KAFB ST 230-01-0509	3				1	1	1	
	3/31	0910		✓	KAFB SF 230-99-0509	3				1	1	1	
	3/31	0985		✓	KAFB ST 230-01-1013	3				1	1	1	
	3/31	1010		✓	KAFB ST 230-01-2022	3				1	1	1	
	3/31	1045		✓	KAFB ST 230-02 0507	3				1	1	1	
	3/31	1105		✓	KAFB ST 230-02-1014	3				1	1	1	
	3/31	1155		✓	KAFB ST 230-02-2022	3				1	1	1	
	3/31	1310		✓	KAFB ST 231-01-0810	3				1	1	1	Per Kevin Walker 4/1/94 @ 3PM/pm
	3/31	1322		✓	KAFB ST 231-01-1315	3				1	1	1	Sample KAFB ST 231-02-1317
	3/31	1430		✓	KAFB ST 231-02-0711	1				1	1	1	should be analyzed as
	3/31	1455		✓	KAFB ST 231-02-1317	6				2	2	2	MS/MSD.
	3/31	1430		✓	KAFB ST 23-99-0711	3				1	1	1	

RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)	RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)
Kevin Crandall	3/31/94 1700	FED Ex Air Bill 928335993			
RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)	RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)
RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED FOR LABORATORY BY (SIGNATURE)	DATE / TIME	REMARKS:	
		Jesse Chavez	4/1 1520		

NUS 440 REVISED 0891

COC # 040494-1 FIELD LOT CONTROL # 111A Cooler Temp 4.1°C

Halliburton NUS CORPORATION — NUS LABORATORY — CHAIN OF CUSTODY RECORD

PROJECT NO.:	SITE NAME:
2A56	KIRTLAND AFB

SAMPLERS (SIGNATURE): Joe Parrish

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO OF CONTAINERS	40ml VOA w/HCl VOC or GRO	2 1 Amber & 1HP SVOC or DRO	1 L HDPE metals HNO3	6" Brass Tube VOC, GRO	6" Brass Tube SVOC, DRO	6" Brass Tube Metals, HNO3 Preserved	REMARKS
ST231	4/4	0715			KAFB TB 01 040494		2						Store at 4°C
ST231	4/4	0815		✓	KAFB EB-231-040494		4	2	1				
ST231	4/4	0942		✓	KAFB ST-231-03-0812					1	1	1	
ST231	4/4	0951		✓	KAFB ST 231-03-1315					1	1	1	
ST231	4/4	1035		✓	KAFB ST 231-04-0811					1	1	1	
ST231	4/4	1045		✓	KAFB AB-01-040494		2						
ST232	4/4	1125		✓	KAFB ST 232-01-0811					1	1	1	
ST231	4/4	1052		✓	KAFB ST 231-04-1315					1	1	1	
ST232	4/4	1137		✓	KAFB ST232-01-1315					1	1	1	
ST232	4/4	1240		✓	KAFB ST232-02-0812					1	1	1	
ST232	4/4	1252		✓	KAFB ST232-02-1316					1	1	1	

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
Joe Parrish	04/04/94 1500	FED AIRBILL # Ex 926336004			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE): Jesse Ackerman	DATE / TIME: 4 0915	REMARKS:	

COC # 040594-1 Traffic Control # 011A Cooler Tel 4.2°C

Halliburton NUS CORPORATION — NUS LABORATORY — CHAIN OF CUSTODY RECORD

PROJECT NO.: 2A56 | SITE NAME: Kirtland AFB

SAMPLERS (SIGNATURE): K. Crandall

STATION NO.	DATE 94	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	40 ml VOA vials VOC on GRO	2 L Amber bottle SVOC or DRO	1 L HDPE Metals	6" Brass tube VOC GRO	6" Brass tube SVOC DRO	6" Brass tube Metals Hg, mercury	2 L amber bottle Identifiability	REMARKS
–	4/5	0715			KAFB-TB-01-040594	2	2							Stored at 4°C
ST218	4/5	0730		✓	KAFB-EB-218-040594	7	4	2	1					
ST 218	4/5	0735		✓	KAFB ST 218-01-0709	3				1	1	1		
ST 218	4/5	1000		✓	KAFB ST 218-01-1214	3				1	1	1		
ST 218	4/5	1030		✓	KAFB ST 218-02-0711	3				1	1	1		
ST 218	4/5	1030		✓	KAFB ST 218-99-0711	3				1	1	1		
ST 218	4/5	1100		✓	KAFB ST 218-02-1214	3				1	1	1		
ST 218	4/5	1140		✓	KAFB ST 218-03-0709	3				1	1	1		
ST 218	4/5	1155		✓	KAFB ST 218-03-1214	3				1	1	1		
ST 207	4/5	1555		✓	KAFB ST207-01-0810	3				1	1	1		
ST 207	4/5	1610		✓	KAFB ST207-01-1315	3				1	1	1		

RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)	RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)
K. Crandall	4/5/94 1745	Fed Ex Air Bill 928336660 15			
RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)	RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)
RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED FOR LABORATORY BY (SIGNATURE)	DATE / TIME	REMARKS:	
		Jeff Cleary	4/6 1545		

NUS 440 REVISED 0491

COC # 040694-1 FIELD LOT CONTROL # 0118

Halliburton NUS CORPORATION — NUS LABORATORY — CHAIN OF CUSTODY RECORD

PROJECT NO.:	SITE NAME:
2456	KIRTLAND AFB

SAMPLERS (SIGNATURE): Joe Tarlton

STATION NO.	DATE '94	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	40ml VOAs VOC, GRO	2L AMBER GLASS SVOC, DRO, METALS, Hg	1L HDPE CYANIDE, NITRATE/NITRITE, PH	6" BRASS TUBE VOC, GRO	6" BRASS TUBE SVOC, DRO	6" BRASS TUBE METALS, Hg, PH, MOISTURE	REMARKS
-	4/6	0710			KAFB-TB-01-040694	2	2						STORE AT 4°C
ST207	4/6	0800		✓	KAFB-EB-207-040694	7	4	2	1				
	4/6	0647		✓	KAFB-DF-02-040694	8	4	3	1				
ST 2040	4/6	1009		✓	KAFB-ST207-02-0810	3				1	1	1	
ST207C	4/6	1030		✓	KAFB-ST207-02-1315	3				1	1	1	
ST206-01	4/6	1130		✓	KAFB-ST208-01-0810	3				1	1	1	
208-01	4/6	1150		✓	KAFB ST208-01-1317	3				1	1	1	
208-01	4/6	1150		✓	KAFB ST208-99-1317	3				1	1	1	
208-02	4/6	1330		✓	KAFB ST208-02-0812	6				2	2	2	
208-02	4/6	1348		✓	KAFB ST208-02-1315	3				1	1	1	
208-03	4/6	1440		✓	KAFB ST208-03-0810	3				1	1	1	
208-03	4/6	1456		✓	KAFB ST208-03-1315	3				1	1	1	
					Per K Walter and K Crandall, 4/8/94 analyze trip blanks for VOC only, not GRO.								
					Analyze DF-02-040644 for cyanidability and pH only. Do not analyze equip blanks for pH and ignitability. CR YA								

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
K. Crandall	4/6/94 1730	FED EX AIR BILL 928536			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS:	
		Joe Abram	4/8/94 0900		

NUS-028 REVISED 06/91

COC # 040794-1 CONTROL LOT # 1114

Halliburton NUS CORPORATION

NUS LABORATORY — CHAIN OF CUSTODY RECORD

PROJECT NO.: 2A56 ~~SAST~~ | SITE NAME: KAFB

SAMPLERS (SIGNATURE): K. Crandall

STATION NO.	DATE 94	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	40ml VOA VIALS VOC, GRO	2 L AMBER BOTTLES DRO, SVOC	1 L HDPE BOTTLE METALS, HG	4 oz TEFLON-LINED JARS TURB	4 oz TEFLON-LINED JARS VOC, GRO	4 oz TEFLON-LINED JARS SVOC, DRO	4 oz TEFLON-COATED SPOON TUBE (METALS, HG, TPH, PHENOLS)	REMARKS
	4/7	0830			KAFB-TB-01-040794	2	2							STORED AT 4°C
	4/7	0830		✓	KAFB-EB-206-040794	7	4	2	1					
ST206-01	4/7	1020		✓	KAFB ST 206-01-0810	3				1	1	1		
206-01	4/7	1040		✓	KAFB ST 206-01-1316	3				1	1	1		
206-02	4/7	1124		✓	KAFB ST 206-02-0811	3				1	1	1		
206-02	4/7	1145		✓	KAFB ST 206-02-1316	3				1	1	1		
203-01	4/7	1504		✓	KAFB ST 203-01-0608	3				1	1	1		
203-01	4/7	1535		✓	KAFB ST 203-01-1115	3				1	1	1		
203-01	4/7	1535		✓	KAFB ST 203-99-1115	3				1	1	1		
203	4/7	1520		✓	KAFB AB-203-040794		2							

RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)	RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)
K. Crandall	4/7/94 1800	FROM EL AMA BLC 9283360041			
RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)	RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)
RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED FOR LABORATORY BY (SIGNATURE): Jesse Ahearn	DATE / TIME: 4/8 0930	REMARKS:	

NUS 440 REVISED 0891

COC # 041194-1

FIELD LOT CONTROL # 011A

Halliburton NUS CORPORATION

NUS LABORATORY — CHAIN OF CUSTODY RECORD

PROJECT NO.:	SITE NAME:
2A56	KIRTLAND AFB

SAMPLERS (SIGNATURE): K. Crandall

STATION NO.	DATE 94	TIME	COMP	GRAB	STATION LOCATION	NO. OF CON-TAINERS	40 ml VOA VIALS 6180, VOC	2 L AMBER BOTTLES TPH, SVOC	1 L HDPE BOTTLE METALS, Hg	6" BRASS TUBE VOC, GRO	6" BRASS TUBE SVOC, DRO	6" BRASS TUBE METALS, Hg, PH, MOISTURE	REMARKS
	4/11	0730			KAFB-TB-01-041194	2	2						STORED 4°C
	4/11	0945		✓	KAFB-EB-202-041194	7	4	2	1				
	4/11	1305		✓	KAFB-ST 202-01-0710	3				1	1	1	
	4/11	1305		✓	KAFB ST 202-01-1214	3				1	1	1	
	4/11	1350		✓	KAFB ST 203-02-0608	3				1	1	1	
	4/11	1410		✓	KAFB ST 203-02-1113	3				1	1	1	
	4/11	1450		✓	KAFB ST 203-03-0710	3				1	1	1	
	4/11	1500		✓	KAFB ST 203-03-1113	3				1	1	1	
	4/11	1550		✓	KAFB ST 205-01-0709	3				1	1	1	
	4/11	1620		✓	KAFB ST 205-01-1214	3				1	1	1	

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
K. Crandall	4/11/94 1745	FED EX AIR BILL 928336005 2			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS:	
		John Ahern	4/12 0810		

NUS 440 REVISED 0891

COC # 041294 -1 FIELD LOT CONTROL ...A

Halliburton NUS CORPORATION — **NUS LABORATORY** — **CHAIN OF CUSTODY RECORD**

PROJECT NO.: 2A56 | SITE NAME: KIRTLAND AFB

SAMPLERS (SIGNATURE): Joe Parietti

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO OF CONTAINERS	40ML VOAs	2.5L AMBER GLASS	500ML OR 1L HDPE METALS, HS	4" GLASS TUBES	6" BRASS TUBES SVOC, PCB, GRO	6" BRASS TUBES METALS, HS, PH, MOISTURE	REMARKS
—	4/12	1605 ~~0800~~			KAFB-TB-~~01~~ 02 JP-041294	2	2						STORE 4°C
ST204	4/12	0810		✓	KAFB-EB-204-041294	5	2	2	1				
ST204	4/12	0927		✓	KAFB-ST204-01-0608	2					1	1	
ST204	4/12	0955		✓	KAFB-ST204-01-1115	2					1	1	
ST204	4/12	0955		✓	KAFB-ST204-99-1115	2					1	1	
↓	↓	1130		✓	KAFB-ST204-02-0610	4					2	2	MS/MSD.
↓	↓	1200		✓	KAFB-ST204-02-1113	2					1	1	
ST201	↓	1420		✓	KAFB-ST201-01-0608	2					1	1	
↓	↓	1450		✓	KAFB-ST201-01-1113	2					1	1	

RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)	RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)
Joe Parietti	4-12-94 1700	FEDEX # 920336 0085			
RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)	RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)
RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED FOR LABORATORY BY (SIGNATURE)	DATE / TIME	REMARKS:	
		Jesse Chavez	1/15 0911		

NUS 440 REVISED 0891

COC # 041394-1 FIELD LOT CONTROL # 011A

Halliburton NUS CORPORATION

NUS LABORATORY — CHAIN OF CUSTODY RECORD

PROJECT NO.: 2A56 | SITE NAME: KIRTLAND AFB

SAMPLERS (SIGNATURE): K. Crandall

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	40ml VOA VIALS VOC, GRO	2 L AMBER BOTTLE SVOC or DRO	1 L 40 DRE METALS, HS	6" BRASS TUBE SVOC, DRO, GRO	6" BRASS TUBE METALS, HS, PM MULTIPLES	REMARKS
	4/13	0715			KAFB-TB-01-041394	2	2					STORED 4°C
ST201	4/13	0830		✓	KAFB-EB-201-041394	5	2	2	1			
201-02	4/13	0945		✓	KAFB-ST 201-02-0608	2				1	1	
201-02	4/13	1005		✓	KAFB ST 201-02-1113	2				1	1	
201-03	4/13	1040		✓	KAFB ST 201-03-0608	2				1	1	
201-03	4/13	1052		✓	KAFB ST 201-03-1113	2				1	1	
212-01	4/13	1405		✓	KAFB ST 212-01-0810	2				1	1	
212-01	4/13	1425		✓	KAFB ST 212-01-1316	2				1	1	
212-02	4/13	1535		✓	KAFB ST 212-02-0812	2				1	1	
212-02	4/13	1535		✓	KAFB ST 212-99-0812	2				1	1	
212-02	4/13	1555		✓	KAFB ST 212-02-1315	2				1	1	

RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)	RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)
K. Crandall	4/13/94 1200	FED EX AIR BILL # 9283360100			
RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)	RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)
RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED FOR LABORATORY BY (SIGNATURE)	DATE / TIME	REMARKS:	
		T Wynn	4/14 0930		

NUS 440 REVISED 0891

COC # 041594-1 FIELD QC CONTROL 1 of 3

Halliburton NUS CORPORATION

NUS LABORATORY — CHAIN OF CUSTODY RECORD

PROJECT NO	SITE NAME
2A56	KIRTLAND AFB

SAMPLERS (SIGNATURE): K. Crandall

Cooler temp 2.7C.

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO OF CONTAINERS	40ml VOA VIALS VOL	2L AMBER BOTTLE SVOC, TPH	1L HDPE METALS, TPH	6" BRASS TUBE SVOC, TPH, GRO	6" BRASS TUBE METALS, TPH, MOISTURE	REMARKS
-	4/15	0730			KAFB-TB-01-041594	2	2					STORED 4°
ST217	4/15	1045		✓	KAFB-EB-217-041594	5	2	2	1			
217-1	4/15	1215		✓	KAFB ST 217-01-0606 KC	2				1	1	
217-1	4/15	1241		✓	KAFB ST 217-01-1113	2				1	1	
217-2	4/15	1335		✓	KAFB ST 217-02-0606	2				1	1	
217-2	4/15	1505		✓	KAFB ST 217-02-1416	2				1	1	
217-3	4/15	1546		✓	KAFB ST 217-03-0610	2				1	1	
217-3	4/15	1600		✓	KAFB ST 217-03-1113	2				1	1	
~~217~~	~~4/15~~	~~1500~~		✓	~~KAFB AB 217 041594~~							

RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)
K. Crandall	4/15/94 1800	FED EX 928336242 1
RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)
RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED FOR LABORATORY BY (SIGNATURE): Jane Ahern

RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)
RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)

DATE / TIME: 4/15 1170

REMARKS:

NUS 440 REVISED 0891

C-O-C # 041994-01 FIELD LOT CONTROL # 011A (HALLIBURTON NUS)

Halliburton NUS CORPORATION — **NUS LABORATORY** — **CHAIN OF CUSTODY RECORD**

PROJECT NO.: 2A56 | SITE NAME: KIRTLAND

SAMPLERS (SIGNATURE): Joe Pavletich

STATION NO.	DATE -94	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	40ML VOA VIALS VOC, GRO	2 L AMBER BOTTLES SVOC, DRO	1 L HDPE METALS, HG	6" BRASS TUBES SVOC, DRO, GRO	6" BRASS TUBES METALS, HG, PH, NITRATE	REMARKS
-	4/19	0730		✓	KAFB-TB-01-041994	2	2	~~2~~	~~1~~			COOLED 4°C
ST 219	4/19	0750		✓	KAFB-EB-219-041994		2	2	1			
21501	4/19	1010		✓	KAFB ST 219-01-0709					1	1	
219-01	4/19	1037		✓	KAFB ST 219-01-1216					2	2	(MS/MSD)
219-02	4/19	1120		✓	KAFB ST 219-02-0711					1	1	
219-02	4/19	1120		✓	KAFB ST 219-99-0711					1	1	
219-02	4/19	1146 KC		✓	KAFB ST219-02-1214					1	1	
219-02	4/19	1310		✓	KAFB ST219-02-2224					1	1	
219-03	4/19	1355		✓	KAFB ST219-03-0709					1	1	
219-03	4/19	1435		✓	KAFB ST 219 03 1216					1	1	
219-03	4/19	1510		✓	KAFB ST 219-03-2224					1	1	

RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)	RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)
Joe Pavletich	4/19 1700	FED EX 928336 2406			
RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)	RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)
RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED FOR LABORATORY BY (SIGNATURE)	DATE / TIME	REMARKS:	
		T Wynnik	4/20 0900		

NUS 740 REVISED 0891

COC# 042094-01 I D LOT CONTROL # 011A HNI

Halliburton NUS CORPORATION

NUS LABORATORY — CHAIN OF CUSTODY RECORD

PROJECT NO.:	SITE NAME:
2A56	KIRTLAND AFB

SAMPLERS (SIGNATURE): Joe Podpetich

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	40 ml VOA VIALS VOC, GRD	2 L AMBER BOTTLE SVOC, DRD	1 L HDPE METALS, HG	6" BRASS TUBE SVOC, DRD, GRD	6" BRASS TUBE METALS, HG, PH, MOISTURE	REMARKS
-	4/20	0800		-	KAFB-TB-01-042094	2	2					STORED AT 4°C
219	↓	0600		✓	KAFB-EB-219-042094	5	2	2	1			↓
219-04		0930	"	✓	KAFB-ST 219-04-0709	2				1	1	
219-04		0955	"	✓	KAFB-ST 219-04-1214	2				1	1	
219-04		1045	"	✓	KAFB ST 219-04-2224	2				1	1	
219-05		1130	"	✓	KAFB ST219-05-0711	2				1	1	
219		1130	"	✓	KAFB ST219-99-0711	2				1	1	
219-05		1200	"	✓	KAFB ST 219-05-1215	2				1	1	
219-05		1230	"	✓	KAFB ST 219-05-2225	2				1	1	
—	↓	1520		✓	KAFB DF-01-042094	6	2	2	2			↓

RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)	RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)
K. Crandall	4/20/94 1700	FED EX NR Bill 928336239 5			
RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)	RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)
RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED FOR LABORATORY BY (SIGNATURE)	DATE / TIME	REMARKS:	
		Jane Ahern	4/21 0900		

440 REVISED 0891

COC No.: 042294-1

FIELD LOT CONTROL No.: 011A

Halliburton NUS CORPORATION

NUS LABORATORY — CHAIN OF CUSTODY RECORD

PROJECT NO.: 2456

SITE NAME: KIRTLAND AFB

SAMPLERS (SIGNATURE): Joe Pavletich

STATION NO.	DATE '94	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	40 ml VOA VIALS VOC or GRO	2 L AMBER BOTTLE SVOC or DRO	1 L HDPE METALS, Hg	6 w BRASS TUBE SVOC, DRO, GRO	6 w BRASS TUBE METALS (Pb, PM) Rush Hg	REMARKS
—	4/22	0815			KAFB-TB-01-042294	2	2					COOL 4°C
209	4/22	0815		✓	KAFB-EB-209-042294	5	2	2	1			
209-01		1048		✓	KAFB ST 209-01-0709	2				1	1	
209-01		1110		✓	KAFB ST 209-01-1214	2				1	1	
209 02		1225		✓	KAFB ST 209-02-0709	2				1	1	
209-02		1250		✓	KAFB ST 209-02-1214	2				1	1	
209-03		1347		✓	KAFB ST 209-03-0711	2				1	1	
209-03		1359		✓	KAFB ST 209-03-1214	2				1	1	
209-04		1452		✓	KAFB ST 209-04-0709	2				1	1	
209-99		1510		✓	KAFB ST 209-99-1216	2				1	1	
209-04		1510		✓	KAFB ST 209-04-1216	2				1	1	

RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)	RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)
K. Crandall	4/27/94 1732	FedEx Airbill 928336238 4			
RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)	RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)
RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED FOR LABORATORY BY (SIGNATURE)	DATE / TIME	REMARKS:	
		Jeff Thomas	4/28 0930		

NS 440 REVISED 0891

COC# 042694-1

FIELD LOG # VA

Halliburton NUS CORPORATION

NUS LABORATORY

CHAIN OF CUSTODY RECORD

PROJECT NO.: 2A56

SITE NAME: KIRTLAND

SAMPLERS (SIGNATURE): Jon Paddock

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	40ml VOA VIALS VOC w/ HCl	2L Amber Bottle SVOC w/ HCl	1L HDPE METALS, HG	6" Brass Tube SVOC, TPHD, GRO	6" Brass Tube METALS, HG, pH Modified	REMARKS
												STORED AT 4°C
–	4/26	0745			KAFB-TB-01-042694	2	2					
ST214		0745		✓	KAFB-EB-214-042694	5	2	2	1			
214-01		0938		✓	KAFB-ST214-01-1014					2	2	
214-01		1025		✓	KAFB-ST214-01-2022					1	1	
214-02		1136		✓	KAFB ST 214-02-1012					1	1	
214-02		1210		✓	KAFB ST 214-02-2022					1	1	
214-03		1300		✓	KAFB ST 214-03-1012					1	1	
214-03		1340		✓	KAFB ST 214-03-2022					1	1	
214-04		1440		✓	KAFB ST 214-04-1012					1	1	
214-04		1520		✓	KAFB ST 214-04-2022					1	1	

RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)	RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)
K. Crandall	4/26/94 1654	FED EX 928336723602			
RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)	RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)
RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED FOR LABORATORY BY (SIGNATURE)	DATE / TIME	REMARKS:	
		T Wysmith	4/27 1150		

NUS 440 REVISED 0891

COC# 042794-1 FIELD LOG # 0104 (HNUS)

Halliburton NUS CORPORATION — **NUS LABORATORY** — **CHAIN OF CUSTODY RECORD**

PROJECT NO.: 2456 | SITE NAME: KIRTLAND AFB

SAMPLERS (SIGNATURE): Jesse Pantuliano

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	40ml VOA VIALS	VOC, GRO	2.5L AMBER BOTTLES	SVOC's, DRO	1L HDPE METALS, WC	6" BRASS TUBE SVOC, DRO, GRO	6" BRASS TUBE METALS, Hg, pH HASPAH	6" BRASS TUBE TCLP METALS	6" BRASS TUBE EXPLOSIVES	REMARKS
—	4/27			-	~~KAFB-TB-01-042794~~											COOLED 4°C
ST 214		0800		✓	KAFB-EB-214-042794	5	2	2	1							
ST 214-05		1012		✓	KAFB-ST 214-05-1014	2					1	1				
214-05		1040		✓	KAFB-ST 214-05-2024	2					1	1				
216-01		1117		✓	KAFB ST 216-01-0307	2					1	1				
216-01		1117		✓	KAFB ST 216-99-0307	2					1	1				
216-02		1250		✓	KAFB-ST 216-02-0306	2					1	1				
216-02		1303		✓	KAFB-ST 216-02-0810	2					1	1				
215-01		1340		✓	KAFB-ST 215-01-0307	5					1	1	2	1		
215-01		1400		✓	KAFB-ST 215-01-0812	5					1	1	2	1		
215-01	↓	1520		✓	KAFB-ST 215-01-2630	5					1	1	2	1		↓
216-01	↓	1152		✓	KAFB-ST 216-01-1013	2					1	1				

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):
K. Crandall	4/27/94	Air Bill # 92 83362351			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS:	
		Jesse Abeyta	4/29 0940		

NUS 440 REV 11

COC # 04284-1 FIELD LOG # 010A (HAZUS)

Halliburton NUS CORPORATION

NUS LABORATORY

CHAIN OF CUSTODY RECORD

PROJECT NO.:	SITE NAME:
2456	KIRTLAND AFB

SAMPLERS (SIGNATURE): Jeff Tinkle

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	1 LITER VOA VIALS HCL	2 x 40 ML VOA VIALS SULF. + DUP	1 L HDPE METALS HG	6" BRASS TUBE SVOC, DRO, GRO	6" GLASS TUBE METALS HG PM MASTER	6" BRASS TUBE TCLP METALS	6" GLASS TUBE FLASH POINT	REMARKS
-	4/26	0771		✓	KAFB TB-215-04284-01	5	2	2	1					COOLER W.C.
MS-02	|	0900		✓	KAFB-ST 215-02-0307	5				1	1	2	1	
215-02	|	0955		✓	KAFB-ST 215-02-0813	5				1	1	2	1	
215-02	|	1105		✓	KAFB-ST 215-02-2630	5				1	1	2	1	MS/MSD
215-03	|	1232		✓	KAFB-ST 21503-0310	5				1	1	2	1	
215-03	|	1325		✓	KAFB-ST 215-99-0310	5				1	1	2	1	
215-03	↓	1505		✓	KAFB-ST 215-03-2630	5				1	1	2	1	↓
					Rec'd Sealed 5/2/94 @ 1338/pm									
					MS/MSD applies to VOA, BNA, GRO, TPH and metals									
					only. Perform TPH on Dissolved and PH									
					Perform original analysis + return									
					TCLP metals + flashpoint.									
						1111 5/3/94								

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
K. Crandall	4/26/94 1700	FED EX AIR BILL 928336234O			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS:	
			1124 1100		

NUS 440 REVISED 08/91

COC # 042994-1 FIELD LOT # 010A HNUS

Halliburton NUS CORPORATION

NUS LABORATORY — CHAIN OF CUSTODY RECORD

PROJECT NO.:	SITE NAME:
7A56	KIRTLAND AFB

SAMPLERS (SIGNATURE): J. Parrish

STATION NO.	DATE '94	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	1L-1 LIVER VIALS HRU	2 L AMBER BOTTLES SVOC VR DRO	1 L NITRATE METALS, HG	½" BRASS TUBE SVOC, DRO, HRO	½" BRASS TUBE METALS, HG, PH, MURRAY	1" BRASS TUBE TCLP METALS	½" BRASS TUBE FLASH POINT	REMARKS
[illegible]	4/19	0800		✓	KAFB-EB-215-042994	5	2	2	1					COOLED 4°C
[illegible]-04	4/29	0920			KAFB-ST-215-04-0309	5				1	1	2	1	
[illegible]-04	↓	0955			KAFB-ST-215-04-1015	5				1	1	2	1	
[illegible]-04	↓	1058			KAFB ST 215-04-2630	5				1	1	2	1	

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
K Crandall	4/29/94 1330	FED EX 923362336			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE): Josie Atkinson	DATE / TIME: 4/30 0[illegible]	REMARKS:	

NUS 440 REVISED 08/91

COC# 050294-1 FIELD LOT 21C (DS)

Halliburton NUS CORPORATION

NUS LABORATORY

CHAIN OF CUSTODY RECORD

PROJECT NO.:	SITE NAME:
2A56	KIRTLAND AFB

SAMPLERS (SIGNATURE): Joe Paulchel

STATION NO.	DATE 94	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	40ml VOA VIALS GRO	2 L AMBER BOTTLES SVOC or DRO	1 L HDPE METALS, Hg	6" BRASS TUBE SVOCs, DRO	6" BRASS TUBE METALS, Hg, PH, MOISTURE		REMARKS
—	5/2	0745			KAFB-EB-211-050294	5	2	2	1				COOLED 4°C
211-01	↓	0930		✓	KAFB-ST 211-01-0711	2				1	1		SPLIT SAMPLES WITH ↓
211-01		1000		✓	KAFB-ST 211-01-1216	2				1	1		
211-02		1111		✓	KAFB ST 211-02-0711	2				1	1		
211-02		1142		✓	KAFB ST 211-02-1216	2				1	1		
211-03		1327		✓	KAFB ST 211-03-0613	2				1	1		
211-03		1403		✓	KAFB ST 211-03-1320	2				1	1		
211		1403		✓	KAFB ST 211-99-1320	2				1	1		
211-04		1505		✓	KAFB ST 211-04-0711	2				1	1		
211-04		1526		✓	KAFB ST 211-04-1216	2				1	1		
211		1605		✓	KAFB ST 211-99-0711	2				1	1		
211-04	↓	1625		✓	KAFB ST 211-04-1216	2				1	1		↓

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
K. Crandall	5/2/94 1810	FED EX 9283362325			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE): J. Abrams	DATE / TIME: 5/3 0900	REMARKS:	

NUS 440 REVISED 0891

COC # 050364-1 FIELD LOG # 0103A (NUS)

Halliburton NUS CORPORATION — **NUS LABORATORY** — **CHAIN OF CUSTODY RECORD**

PROJECT NO.: 2A5E

SITE NAME: KIRTLAND AFB

SAMPLERS (SIGNATURE): Joe Pavletich

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS 5/4							REMARKS
ST211	5/3	0805	•	✓	KAFB [illegible] ST 211-050364	1		0	1				COOLED 4°C / SPLIT W/ EPA
213-01		1005	•	✓	KAFB-ST-213-01-0408	2		3/4		1	1		
213-01		1040	•	✓	KAFB-ST-213-01-1115	2				1	1		
213-02		1140	•	✓	KAFB ST 213-02-0408	2				1	1		
213-02		1210	•	✓	KAFB ST 213-02-1115	2				1	1		
213-03		1345		✓	KAFB ST 213-03-0408	2				1	1		
213-03		1415	•	✓	KAFB ST 213-03-1115	2				1	1		
213-04		1500	•	✓	KAFB ST 213-04-0408	2				1	1		
213-04		1550	•	✓	KAFB ST 213-04-1115	2				1	1		
211-05		1645	•	✓	KAFB ST 211-05-0712	2				1	1		
211-05		1730	•	✓	KAFB ST 211-05-1217	2				1	1		

RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)	RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)
K. Chandler	5/4/94 1700	FED EXP 928336234			
RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)	RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)
RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED FOR LABORATORY BY (SIGNATURE)	DATE / TIME	REMARKS	
		J. Ahern	5/5 0800		

NUS 440 REVISED 0891

COC # 050594-2 FIELD LOT CONTROL DUA

Halliburton NUS CORPORATION

NUS LABORATORY — CHAIN OF CUSTODY RECORD

PROJECT NO.: 21756

SITE NAME: KIRTLAND AFB

SAMPLERS (SIGNATURE): Joe Pavletich

STATION NO.	DATE 1994	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	2 L Amber Bottle SVOC & DRO	1 L WDPE Metals, Hg	6" BRASS TUBE SVOC, DRO	6" BRASS TUBE Metals, Hg (1 L), moisture			REMARKS
263	5/5	0800		✓	KAFB-EB-263-050594		2	1					STORE AT 4°C
263-01		0920		✓	KAFB-ST 263-01-0305				1	1			
263-01		0935		✓	KAFB-ST 263-01-0810				1	1			
263-02		1017		✓	KAFB-ST 263-02-0305				1	1			
263-02		1040		✓	KAFB-ST 263-02-0811				1	1			
263-03		1115		✓	KAFB-ST 263-03-0305				1	1			
263-03		1135		✓	KAFB-ST 263-03-0812				1	1			
263-04		1815		✓	KAFB-ST 263-04-0305				1	1			
263-04		1825		✓	KAFB ST 263-04-0810				1	1			
263-05		1410		✓	KAFB-ST 263-05-0306				1	1			
263-05		1423		✓	KAFB-ST 263-05-0810				1	1			
263	↓	1135		✓	KAFB-ST 263-99-0812				1	1			

RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)	RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)
Joe Pavletich	5/6/94 1750	FED EX 928336 2303			
RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)	RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)
RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED FOR LABORATORY BY (SIGNATURE)	DATE / TIME	REMARKS:	
			5/7 0945		

JS 440 REVISED 0891

COC# 050694-1 FIELD LOT # 020A KC NUS

Halliburton NUS CORPORATION

NUS LABORATORY — CHAIN OF CUSTODY RECORD

PROJECT NO.: 2456

SITE NAME: K[redacted] AFB

SAMPLERS (SIGNATURE): Joe Pantuso

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	2L AMBER GLASS SVOC, TPHD	1L WHITE INORG, HG	6" BRASS TUBES SVOC, TPHD	6" BRASS TUBES METALS, HG, PH, MOISTURE			REMARKS
	5/6	0745		V	KAFB-EB-263-050694		2	1					COOLED 4°C
263-06		0911		✓	KAFB-ST-263-06-0305				1	1			
263-06		0925		✓	KAFB-ST-263-06-0810				1	1			
263-07		0950		✓	KAFB-ST-263 07-0305				1	1			
263-07		1006		✓	KAFB-ST 263-07-0810				1	1			
250-01		1810		✓	KAFB-ST 250-01-0510				1	1			REPLICATE — WHEN LAB SEPARATES SAMPLES, SPIT SAMPLE FOR FIELD REPLICATE
250-01		1330		✓	KAFB ST 250-01-1317				2	2			MS/MSD
250-02		1427		✓	KAFB-ST 250-02-0813				1	1			
250[redacted]		1427		✓	KAFB-ST-250-99-0813				1	1			
250-02		1440		✓	KAFB-ST-250-02-1345				1	1			
250[redacted]		1310		✓	KAFB ST 250-01-0810				1	1			

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
K. Crockett	5-6-94 1650	FED EX 928336 2092			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS:	
		J. Abram	5/7 0911		

NUS 448 REVISED 0691

COC# 050994-1 FIELD LOT # 0104 US

Halliburton NUS CORPORATION

NUS LABORATORY

CHAIN OF CUSTODY RECORD

PROJECT NO.: 2456

SITE NAME: KIRTLAND AFB

SAMPLERS (SIGNATURE): Joe Pavletich

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	2 L AMBER BOTTLES SVOCs, DRO	1 L HDPE METALS, HG	6" BRASS TUBE SVOC, DRO	6" BRASS TUBE METALS, HG, PHYSICAL			REMARKS
ST252	5/9	0730		✓	KAFB-EB-252-050994	3	2	1					COOLED 4°C
		0932		✓	KAFB-ST252-01-0204	2			1	1			
		1000		✓	KAFB-ST252-01_0709	2			1	1			
		1025		✓	KAFB-ST252-02-0204	2			1	1			
		1101		✓	KAFB-ST252-02-0710	2			1	1			
		1133		✓	KAFB-ST252-03-0204	2			1	1			
		1154		✓	KAFB-ST252-03-0710	2			1	1			
ST253		1256		✓	KAFB-ST253-01-0206	2			1	1			
		1256		✓	KAFB-ST253-99-0206	2			1	1			
		1308		✓	KAFB-ST253-01-0709	2			1	1			
		1326		✓	KAFB-ST253-02-0204	2			1	1			
		1402		✓	KAFB-ST253-02-1214	2			1	1			

RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)	RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)
Joe Pavletich	5/9/94 1530	FEDEX 928336228 1			
RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)	RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)
RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED FOR LABORATORY BY (SIGNATURE)	DATE / TIME	REMARKS:	
			5/10 0845		

NUS 440 REVISED 0891

COC # 051094-1 FIELD LOT # 010A HNUS

Halliburton NUS CORPORATION — **NUS LABORATORY** — **CHAIN OF CUSTODY RECORD**

PROJECT NO.:	SITE NAME:
2456	KIRTLAND AFB

SAMPLERS (SIGNATURE): Joe Pantuhil

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	2 L Amber bottle SVOC, DRO	1 L HDPE METALS, Hg	6" BRASS TUBE SVOC, DRO	6" BRASS TUBE METALS, Hg, CN, MOISTURE			REMARKS
—	5/10	0750		-	KAFB-EB-251-051094	3	2	1					COOLED 4°C
ST251		1310		✓	KAFB-ST251-01-0507	2			** 1	** 1			
		1341		✓	KAFB-ST251-01-1013	2			1	1			
		1620		✓	KAFB-ST251-02-0507	2			1	1			
		1635		✓	KAFB-ST251-02-1012	2			1	1			
		1703		✓	KAFB-ST251-03-0507	2			1	1			
		1717		✓	KAFB-ST251-03-1012	2			1	1			

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
Richard Raymond	5/11/94 1500	FED EX 928336227O			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS:	
		J. Allen	5/13 0900		

NUS 440 REVISED 0891

AIRBILL # 928336227O

Cu # 051194-1 Field Lot # CJA h US

Halliburton NUS CORPORATION — **NUS LABORATORY** — **CHAIN OF CUSTODY RECORD**

PROJECT NO.:	SITE NAME:
2A56	KIRTLAND AFB

SAMPLERS (SIGNATURE): Richard Leyrand

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	2 liter amber bottle SVOC, DRO	1 liter HDPE metals, Hg	6 x 8 Brass Tube SVOC, DRO	6 x 8 Brass Tube metals + 2nd Hg, MS/MSD			REMARKS
ST229	5/11	0927		-	KAFB-EB-ST229-051194	3	2	1					Cooled 4° C
		1200		X	KAFB-ST229-01-1418	2			1	1			
		1200		X	KAFB-ST229-99-1418	2			1	1			
		1246		X	KAFB-ST229-01-2126	2			1	1			
		1246		X	KAFB-ST229-01-2126	2			1	1			(MS/MSD)

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
Richard Leyrand	5/11/94 1500	FEDEX 928336 2270			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS:	
		J. Ahern	5/12 0900		

AIRBILL # 928336 2270

COC# 051394-1 FIELD LOT # 010A (NUS)

Halliburton NUS CORPORATION — **NUS LABORATORY** — **CHAIN OF CUSTODY RECORD**

PROJECT NO.:	SITE NAME:
2A56	KIRTLAND AFB

SAMPLERS (SIGNATURE): Joe Parrotta

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	2 L AMBER BOTTLES SVOC ON ICED	1 L HDPE METALS, HG	6" BRASS TUBE SVOC ICED	6" BRASS TUBE METALS, %, PH, MOISTURE			REMARKS
-	5/3	0845		✓	KAFB-EB-229-051394	3	2	1					COOLED 4°C
ST229		0910			KAFB-ST229-02-1416	2			1	1			
		0940			KAFB-ST229-02-2123	2			1	1			
		1024			KAFB-ST229-03-1416	2			1	1			
		1050			KAFB-ST229-03-2123	2			1	1			
		1205			KAFB-ST229-04-1416	2			1	1			
		1228			KAFB-ST229-04-2123	2			1	1			
		1320			KAFB-ST229-05-1416	2			1	1			
		1350			KAFB-ST229-05-2124	2			1	1			

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
Joe Parrotta	5/13/94 1530	PER EV @ 928 336 2266			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS:	

NUS 440 REV. 1 (10/89)

COC# 051694-1 FIELD LOT # HNUS Page 1 of 2

Halliburton NUS CORPORATION

NUS LABORATORY — CHAIN OF CUSTODY RECORD

PROJECT NO.:	SITE NAME:
2A56	KIRTLAND AFB

SAMPLERS (SIGNATURE): Joe Pantuso

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	2 L Amber Bottles SVOC, TPHD	1 L HDPE Metals, Hg	6 oz Glass Jars SVOC, DRO	6 oz Glass Jars Metals, Hg, pH, Moisture			REMARKS
ST 243	5/16	0645		✓	KAFB-EB-243-051694								COOLED 4°C
↓		0810			KAFB-ST-243-01-0307				1	1			
		0810			KAFB-ST-243-99-0307				1	1			
		0840			KAFB-ST-243-01-0810				1	1			
		0918			KAFB-ST-243-02-0308				1	1			
		0930			KAFB-ST-243-02-0811				1	1			
		1045			KAFB-ST-243-03-0811				1	1			
		1130			KAFB-ST-243-04-0305				1	1			
		1145			KAFB-ST-243-04-0812				1	1			
		1225			KAFB-ST-243-05-0306				1	1			
↓		1240			KAFB-ST-243-05-0811				1	1			
ST242		1310			KAFB-ST-242-01-0611				1	1			
↓		1310			KAFB-ST-242-99-0611				1	1			
↓		1340			KAFB-ST242-01-1117				2	2			MS/MSD

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
Robert Gayle	5/16/94 17:00	Fedex # 920336 2255			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS:	
			5/17 0930		

Halliburton NUS CORPORATION

NUS LABORATORY — CHAIN OF CUSTODY RECORD

PROJECT NO.: 2A56

SITE NAME: KIRTLAND AFB

SAMPLERS (SIGNATURE): Robert Taylor

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	2# AMBER BOTTLES SVOC, DRO	1# HDPE METALS, HG	6" BRASS TUBE SVOC, DRO	6" BRASS TUBE METALS, HG, PH, MOISTURE			REMARKS
ST242	5/16	1450		✓	KAFB-ST242-02-0609				1	1			COOLED 4°C
ST242	5/16	1510		✓	KAFB-ST242-02-1114				1	1			

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
Robert Taylor	5/16/94 17:00	Fedex # 928336225S			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS:	
		Fillerup	5/17 0920		

NUS 440 REVISED 0891

COC# 051794-1 F D LOT # 010A HNUS

Halliburton NUS CORPORATION

NUS LABORATORY — CHAIN OF CUSTODY RECORD

PROJECT NO.:	SITE NAME:
ZA56	KIRTLAND AFB

SAMPLERS (SIGNATURE): Joe Paintil

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	2L AMBER BOTTLES SVOC, DRO	1L HDPE METALS, Hg	6" BRASS TUBE SVOC, DRO	6" BRASS TUBE METALS, Hg, PH, MOISTURE			REMARKS
ST242	5/17	0645		V	KAFB-EB-242-051794	3	2	1					COOLED 4°C
ST242		0828		✓	KAFB-ST242-03-0608	2			1	1			
ST242		0850		✓	KAFB-ST242-03-1113	2			1	1			
ST236		1100		✓	KAFB-ST236-01-0104	2			1	1			
ST236		1120		✓	KAFB-ST236-01-0610	2			1	1			
ST236		1150		✓	KAFB-ST236-02-0104	2			1	1			
ST236		1210		✓	KAFB-ST236-02-0608	2			1	1			
ST236		1320		✓	KAFB-ST236-03-0306	2			1	1			
ST236		1330		✓	KAFB-ST236-03-~~0608~~ 0611	2			1	1			
ST236		1330		✓	KAFB-ST236-99-0611	2			1	1			
ST236		1412		✓	KAFB-ST236-04-0104	2			1	1			
ST236		1430		✓	KAFB-ST236-04-0608	2			1	1			

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
Joe Paintil	5/17/94 1700	FED EX 928336 2244			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS:	
			5/18 0900		

COC# 051894-1 FIELD LOT # 0104 HNUS

Halliburton NUS CORPORATION — **NUS LABORATORY** — **CHAIN OF CUSTODY RECORD**

PROJECT NO.:	SITE NAME:
2A56	KIRTLAND AFB

SAMPLERS (SIGNATURE): Joe Pacheco

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	2 L AMBER BOTTLES SVOC, TCLP	1 L HDPE METALS, HG	6" BRASS TUBE SVOC, TCLP	6" BRASS TUBE METALS, HG, (PH, MOISTURE)			REMARKS
ST234	5/18	0695		✓	KAFB-EB-234-051894		2	1					cooled 4°C
ST234	5/18	0915		✓	KAFB-ST234-01-0810	✓			1	1			"
ST234	5/18	0930		✓	KAFB-ST234-01-1315	✓			1	1			"
ST234	5/18	1024 1026		✓	KAFB-ST234-02-0811	✓			1	1			"
ST234	5/18	1038		✓	KAFB-ST234-02-1316	✓			1	1			"
ST234	5/18	1115		✓	KAFB-ST234-03-0811	✓			1	1			"
ST234	5/18	1130		✓	KAFB-ST234-03-1315	✓			1	1			"
ST234	5/18	1245		✓	KAFB-ST234-04-0814	J			1	1			"
ST234	5/18	1245		✓	KAFB-ST234-~~04~~ 99 -0814	J			1	1			"
ST234	5/18	1310		✓	KAFB-ST234-04-1419	J			1	1			"
ST234	5/18	1310		✓	KAFB-ST234-04-1419	J			1	1			MS/MSD
ST234	5/18	1410		✓	KAFB-ST234-05-0812	J			1	1			Cooled 4°C
ST234	5/18	1420		✓	KAFB-ST234-05-1315	✓			1	1			"

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
Joe Pacheco	5/19/94 0900	FED EX 928536 2233			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME: 5/19 0900	REMARKS:	

NUS 440 REVISED 089

COC # 051994-1 FIELD L # 01DA HNUS

Halliburton NUS CORPORATION

NUS LABORATORY — CHAIN OF CUSTODY RECORD

PROJECT NO.: 2A56 | SITE NAME: KIRTLAND AFB

SAMPLERS (SIGNATURE): JR Pawlicki

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO OF CONTAINERS	2 L AMBER SOMISS SVOL, DRO	1 L HDPE METALS, HG	6" BRASS TUBE SVOL, DRO	6" BRASS TUBE METALS, HG, PH, MOISTURE			REMARKS
ST235	5/19	0845		✓	KAFB-EB-235-051994	3	2	1					COOLED 4°C
ST235		1040		✓	KAFB-ST235-01-0406	2			1	1			
		~~1045~~			~~KAFB-AS-01-051994 (SPL)~~								
ST235		1100		✓	KAFB-ST235-01-0911	2			1	1			
ST235		1120		✓	KAFB-ST235-02-0406	2			1	1			
ST235		1145		✓	KAFB-ST235-02-0911	2			1	1			
ST237		1315		✓	KAFB-ST237-01-0508	2			1	1			
ST237		1345		✓	KAFB-ST237-01-1214	2			1	1			
ST228		1520		✓	KAFB-ST228-01-0510	2			1	1			
ST228		1520		✓	KAFB-ST228-99-0510	2			1	1			
ST228	↓	1545		✓	KAFB-ST228-01-1214	2			1	1			

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
JR Pawlicki	5/19/94 1800	FED EX 928336 2222			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS:	
			5/20/94 0930		

COC# 052094-1 FIELD LOT # 010A HNUS

Halliburton NUS CORPORATION

NUS LABORATORY — CHAIN OF CUSTODY RECORD

PROJECT NO.:	SITE NAME:
2A56	KIRTLAND AFB

SAMPLERS (SIGNATURE): Joe Parisi

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	2 AMBER BOTTLES SVOC OR PCB	1 L HDPE METALS, Hg	6" BRASS TUBE SVOC, PCB	6" BRASS TUBE METALS, Hg, pH, MOISTURE			REMARKS
ST241	5/20	0705		✓	KAFB-EB-241-052094	3	2	1					COOLED 4°C
ST241	5/20	0850		✓	KAFB-ST241-01-0305	2			1	1			"
ST241	5/20	0908		✓	KAFB-ST241-01-0810	2			1	1			"
ST241	5/20	0945		✓	KAFB-ST241-02-0305	2			1	1			"
ST241	5/20	0955		✓	KAFB-ST241-02-0810	2			1	1			"
ST241	5/20	1020		✓	KAFB-ST241-03-0305	2			1	1			"
ST241	5/20	1035		✓	KAFB-ST241-03-0810	2			1	1			"
ST239	5/20	1434		✓	KAFB-ST239-01-0204	2			1	1			"
ST239	5/20	15:00		✓	KAFB-ST239-01-0709	2			1	1			"
ST239	5/20	15:40		✓	KAFB-ST239-01-1721	2			1	1			"
ST239	5/20	15:40		✓	KAFB-ST239-99-1721	2			1	1			

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
Joe Parisi	5/20/94 1800	FEDEX# 928336221 1			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME: 5/21 0930	REMARKS:	
		J Ahern			

NUS 440 REVISED 0891

CLC # 052394-1 FIELD LOT # 010A HNUS

Halliburton NUS CORPORATION

NUS LABORATORY — CHAIN OF CUSTODY RECORD

PROJECT NO.: # 2456 SITE NAME: KIRTLAND

SAMPLERS (SIGNATURE): Jon Purtell

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	2 LEAD-SEAL BOTTLES SLEEVED IN TAC	1 LEAD-SEAL BOTTLE METALS HG	6" BRASS TUBE SVOC, TCLP	6" BRASS TUBE METALS W/ PH BOOSTER		REMARKS
ST222	5/13	0830		✓	KAFB-FB-222-052394	3	2	1				COOLED 4°C
ST222		0905		✓	KAFB-ST222-01-0812	4			2	2		WITH MS/MSD INCLUDED
ST222		0925		✓	KAFB-ST222-01-1315	2			1	1		
ST222		1010		✓	KAFB-ST222-02-0810	2			1	1		
ST222		1025		✓	KAFB-ST222-02-1315	2			1	1		
ST222		1055		✓	KAFB-ST222-03-0810	2			1	1		
ST222		1105		✓	KAFB-ST222-03-1315	2			1	1		
ST223		1250		✓	KAFB-ST223-01-1113	2			1	1		
ST223		1310		✓	KAFB-ST223-01-1921	2			1	1		
ST223		1400		✓	KAFB-ST223-02-1115	2			1	1		
ST223		1415		✓	KAFB-ST223-02-1921	2			1	1		
ST225		1455		✓	KAFB-ST225-01-1115	2			1	1		
ST225		1455		✓	KAFB-ST225-02-1115	2			1	1		
ST225		1515		✓	KAFB-ST225-01-SP-1921	2			1	1		

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
Jon Purtell	5/23/94 1800	FED EX 928336227 00			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS:	
			5/24 0715		

NUS 440 REVISED (9/91)

COC # 052494-1 FIELD LOT # 010A HNUS

NUS LABORATORY — CHAIN OF CUSTODY RECORD

Halliburton NUS CORPORATION

PROJECT NO.: 2A56 | SITE NAME: KIRTLAND AFB

SAMPLERS (SIGNATURE): Joe Parker

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	2L AMBER GLASS SVOC, DRO	1L HDPE METALS, HG	6 x 40ML GLASS TUBES SVOC, DRO	6 x 40ML GLASS TUBES METALS, HG, PH PRESERVED	1L HDPE IGNITABILITY	REMARKS
ST224	5/24	0630		✓	KAFB-EB-224-052494 ✓	3	2	1	3			COOLED 4°C
ST224	5/24	0850		✓	KAFB-ST224-01-0911 ✓	2			1	1		"
ST224	5/24	0920		✓	KAFB-ST224-02-1618 ✓	2			1	1		"
ST224	5/24	0958		✓	KAFB-ST224-02-0911 ✓	2			1	1		"
ST224	5/24	1130		✓	KAFB-ST224-02-1618 ✓	2			1	1		"
ST240	5/24	1435		✓	KAFB-ST240-01-1113 ✓	2			1	1		
ST240	5/24	1500		✓	KAFB-ST240-01-1820 ✓	2			1	1		
—	5/24	1615		✓	KAFB-DF-47-052494 ✓		2	1			1	

RELINQUISHED BY (SIGNATURE): Joe Parker — DATE / TIME: 5/24/94 1800 — RECEIVED BY (SIGNATURE): FED EX 928336 2196

RELINQUISHED BY (SIGNATURE): — DATE / TIME: — RECEIVED BY (SIGNATURE): — RELINQUISHED BY (SIGNATURE): — DATE / TIME: — RECEIVED BY (SIGNATURE):

RELINQUISHED BY (SIGNATURE): — DATE / TIME: — RECEIVED FOR LABORATORY BY (SIGNATURE): — DATE / TIME: 5/25 0930 — REMARKS:

COC# 052594-1 FIELD OT # 010A HNUS

Halliburton NUS CORPORATION — **NUS LABORATORY** — **CHAIN OF CUSTODY RECORD**

PROJECT NO.:	SITE NAME:
2A56	KIRTLAND AFB

SAMPLERS (SIGNATURE): Joe Pavletich

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	2 L AMBER BOTTLES SVOC, DRO	1 L HDPE METALS, HG	6" GLASS TUBE SVOC, DRO	6" BRASS TUBE METALS, HG, CN, MOISTURE			REMARKS
ST244	5/25	0710		✓	KAFB-EB-244-052594	3	2	1					COOLED 4°C
ST244		0925		✓	KAFB-ST244-01-0812	2			1	1			
ST244		~~0955~~ 0725		✓	KAFB-ST244-99-0812	2			1	1			
ST244		0955		✓	KAFB-ST244-01-1822	4			2	2			(MS/MSD INCLUDED)
ST244		1120		✓	KAFB-ST244-02-0305	2			1	1			
ST244		1135		✓	KAFB-ST244-02-0810	2			1	1			
ST244		1215		✓	KAFB-ST244-03-0305	2			1	1			
ST244		1230		✓	KAFB-ST244-03-0810	2			1	1			
ST244		1255		✓	KAFB-ST244-04-0305	2			1	1			
ST244		1310		✓	KAFB-ST244-04-0810	2			1	1			
ST244		1325		✓	KAFB-ST244-05-0305	2			1	1			
ST244		1340		✓	KAFB-ST244-05-0810	2			1	1			
ST245		1425		✓	KAFB-ST245-01-0810	2			1	1			
ST245	↓	1450		✓	KAFB-ST245-01-1822	2			1	2			~~(MS/MSD INCLUDED)~~ SC

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):
Joe Pavletich	5/25/94 1800	FEDEX 928336285			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS:	
			5/26 0915		

COC # 052594-1 FIELD LOT # 010A HNU 5

Halliburton NUS CORPORATION — **NUS LABORATORY** — **CHAIN OF CUSTODY RECORD**

PROJECT NO.: 2456 | SITE NAME: KIRTLAND AFB

SAMPLERS (SIGNATURE):

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	2" BRASS TUBE SVOC SPL	6" BRASS TUBE METALS, Hg + pH MOISTURE					REMARKS
ST245	5/05/95	1450		✓	KAFB-ST245-99-1822	2	1	1					COOLED 4°C

RELINQUISHED BY (SIGNATURE): Joe Parisi	DATE / TIME: 5/26/95 1800	RECEIVED BY(SIGNATURE): FEDEX 928336210 5	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME: 5/27 0815	REMARKS:	

NUS 440 REVISED 0891

COC # 052594-2 FIELD LOG # 0119 ANALYSIS

Halliburton NUS CORPORATION

NUS LABORATORY — CHAIN OF CUSTODY RECORD

PROJECT NO.: 2A56

SITE NAME: KIRTLAND AFB

SAMPLERS (SIGNATURE): Joe Pawlicki

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	40ml VOA VIALS VOC ONLY GRN	6" BRASS TUBES VOC ONLY GRN					REMARKS
-	5/25	0705		-	KAFB-TB-01-052594	2	2						COOLED 4°C 3571F -1
ST244		0710		✓	KAFB-EB-244-052594	4	4						-2
ST244		0925		✓	KAFB-ST244-01-0812	1		1					-3
ST244		0925		✓	KAFB-ST244-99-0812	1		1					-4
ST244		0955		✓	KAFB-ST244-01-1822	2		2					(WITH MS/MSD) -5 BRASS
ST244		1120		✓	KAFB-ST244-02-0305	1		1					-6
ST244		1135		✓	KAFB-ST244-02-0810	1		1					-7
ST244		1215		✓	KAFB-ST244-03-0305	1		1					-8
ST244		1230		✓	KAFB-ST244-03-0810	1		1					-9
ST244		1255		✓	KAFB-ST244-04-0305	1		1					-10
ST244		1310		✓	KAFB-ST244-04-0810	1		1					-11
ST244		1325		✓	KAFB-ST244-05-0305	1		1					-12
ST244		1340		✓	KAFB-ST244-05-0810	1		1					-13
ST245	↓	1425		✓	KAFB-ST245-01-0810	1		1					-14

RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)	RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)
Joe Pawlicki	5/25/94 1800	FED EX 954342442Y			
RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)	RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)
RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED FOR LABORATORY BY (SIGNATURE)	DATE / TIME	REMARKS:	
			5/26/94 0830		

NUS 440 REVISED 0891

COC # 052594-2 FIELD LOT # 011B ~~H NUS~~

Halliburton NUS CORPORATION — **NUS LABORATORY** — **CHAIN OF CUSTODY RECORD**

PROJECT NO.: 2A56 | SITE NAME: KIRTLAND AFB

SAMPLERS (SIGNATURE): [signature]

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	6" BRASS TUBE VOC, LYRO							REMARKS
ST245	5/25/94	1450		✓	KAFB-ST245-01-1822	1	1							35714 -15
ST245	5/25/94	1450		✓	KAFB-ST245-99-1822	1	1							-16

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):
[signature]	5/25/94 1800	FED EX 954342442 4			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS:	
		[signature]	5269 0830		

NUS 440 REVISED 0891

COC # 052694-01 FIELD LOT # C11B 1. AL

Halliburton NUS CORPORATION — NUS LABORATORY — CHAIN OF CUSTODY RECORD

PROJECT NO.: 0494 SITE NAME: KIRTLAND AFB

SAMPLERS (SIGNATURE): Richard Kerrigan

STATION NO.	DATE 1994	TIME	COMP	GRAB	STATION LOCATION	NO. OF CON-TAINERS	6" Brass (PAH's)	6" Brass (VOC & GRO)	40 mL vial (VOC OR GRO)				REMARKS
													Cool to 4°C
FT52	5/26	1345		X	KAFB-FT52-01-1012	2	1	1					-9
FT52	5/26	1505		X	KAFB-FT52-01-1416	2	1	1					-7
—	5/26	1135		X	~~TB MRC~~ TB-C1-052694	2			2				-10
FT52	5/26	1115		X	KAFB-FT52-EB-052694	4			4				-11

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
Matthew L. Cahalan	5/26/94 1715	FED EX AIRBILL #954342441 3			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS:	
			5/27/94 830		

NUS 420 REVISED 0891

COC# 052694-1 Field Lot # 010A HNUS

Halliburton NUS CORPORATION — NUS LABORATORY — *CHAIN OF CUSTODY RECORD*

PROJECT NO.: 2A56

SITE NAME: Kirtland AFB

SAMPLERS (SIGNATURE): [signature]

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	6" Brass Tube SVOC, DRO	2L Amber bottles SVOC, DRO	1L HDPE metals, Hg	6" Brass tube metals, Hg, phys. moisture			REMARKS
ST247	5/26	0705		✓	KAFB-EB-247-062694	3		2	1				cooled 4°C
ST247	5/26	1020		✓	KAFB-ST247-01-0305	2	1			1			↓
ST247	↓	1035		✓	KAFB-ST247-01-0810	2	1			1			↓
ST247	↓	1125 (~~1120~~)		✓	KAFB-ST247-01-1820	2	1			1			↓
ST247	↓	1415		✓	KAFB-ST247-02-0305	2	1			1			↓
ST247	↓	1425		✓	KAFB-ST247-02-0810	2	1			1			

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
[signature]	5/26/94 1000	~~FEDEX~~ 4203362174			

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		[signature]	5/... 0830	

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COC# 052694-2 FieldLot # 011B RMAL

Halliburton NUS CORPORATION NUS LABORATORY *CHAIN OF CUSTODY RECORD*

PROJECT NO.: 2A56

SITE NAME: Kirtland AFB

SAMPLERS (SIGNATURE): [signature]

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	40mL VOA Vials Vcc and/or GRO	6" Brass tube VOC, GRO					REMARKS
–	5/26	710		✓	KAFB-TB-01-052694	2	2						cooled 4°C 35741-1
ST247		0705		✓	KAFB-EB-ST247-052694	4	4						-2
ST247		1020		✓	KAFB-ST247-01-0305	1		1					-3
ST247		10.35		✓	KAFB-ST247-01-0810	1		1					-4
ST247		1125		✓	KAFB-ST247-01-1820	1		1					-5
ST247		1415		✓	KAFB-ST247-02-0305	1		1					-6
ST247		1425		✓	KAFB-ST247-02-0810	1		1					-7

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
[signature]	5/26/94 1800	FEDEX 9543424413			
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RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE): [signature]	DATE / TIME: 5/27/94 [illegible]	REMARKS:	

NUS 440 REVISED 0891

COC# 052794-1 Field Lot # 010A HNUS

Halliburton NUS CORPORATION — **NUS LABORATORY** — **CHAIN OF CUSTODY RECORD**

PROJECT NO.:	SITE NAME:
12A56	KIRTLAND AFB

SAMPLERS (SIGNATURE): B Wyle

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	6 oz SVOC ORG	6 oz SVOC ORG	2L SVOC ORG	1L HDPE			REMARKS
ST240	5/27	0915		✓	KAFB-EB-240-052794	3			2	1			Cooled 4°C
ST240	5/27	1046		✓	KAFB-ST240-02-1113	2	1	1					
ST240	5/27	1105		✓	KAFB-ST240-02-1820	2	1	1					
ST238	5/27	1224		✓	KAFB-ST238-01-1113	2	1	1					
ST238	5/27	1250		✓	KAFB-ST238-01-1820	2	1	1					
ST238	5/27	1330		✓	KAFB-ST238-02-0307	2	1	1					
ST238	5/27	1350		✓	KAFB-ST238-02-0812	2	1	1					
ST238	5/27	1423		✓	KAFB-ST238-03-0305	2	1	1					
ST238	5/27	1431		✓	KAFB-ST238-03-0810	2	1	1					
ST238	5/27	1330		✓	KAFB-ST238-99-0307	2	1	1					
ST238	5/27	1350		✓	KAFB-ST238-02-0812	2	1	1					MS/MSD

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
[signature]	5/27/94 1800	FEDEX 9783367152			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
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		[signature]			

COC# - 052794-2 Field Log # - 0116 RMHL

Halliburton NUS CORPORATION — **NUS LABORATORY** — **CHAIN OF CUSTODY RECORD**

PROJECT NO.: 2A56 | SITE NAME: KIRTLAND AFB

SAMPLERS (SIGNATURE): B Wyler

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	40-mL VOA vials VOC only GRO	6 Brass tube VOC GRO					REMARKS
													35763
—	5/27	0900	JP OE	✓	KAFB-TB-01-052794	2	2						cooled 4°C -1
ST240	5/27	0915		✓	KAFB-EB-ST240-052794	4	4						-2
ST240	5/27	1046		✓	KAFB-ST240-02-1113	1		1					-3
ST240	5/27	1105		✓	KAFB-ST240-02-1820	1		1					-4
ST238	5/27	1224		✓	KAFB-ST238-01-1113	1		1					-5
ST238	5/27	1250		✓	KAFB-ST238-01-1820	1		1					-6
ST238	5/27	1330		✓	KAFB-ST238-02-0307	1		1					-7
ST238	5/27	1350		✓	KAFB-ST238-02-0812	1		1					-8
ST238	5/27	1423		✓	KAFB-ST238-03-0305	1		1					-9
ST238	5/27	1431		✓	KAFB-ST238-03-0812	1		1					-10
ST238	5/27	1330		✓	KAFB-ST238-99-0307	1		1					cooled 4°C -11
ST238	5/27	1350		✓	KAFB-ST238-02-0812	1		1					MS/MSD -8MS/MSD
~~ST238~~ (BW)	5/27												
~~ST238~~ (BL)	5/27												

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Jon Pawelek	5/27/94 1800	FEDEX 959342491			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS:	
			5/29/94 910		

NUS 440 REVISED 0891

COC # 053194-1 FIELD LOT # 010A HNUS

Halliburton NUS CORPORATION — **NUS LABORATORY** — **CHAIN OF CUSTODY RECORD**

PROJECT NO.:	SITE NAME:
2A56	KIRTLAND AFB

SAMPLERS (SIGNATURE): Joe Pawlik

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	2L AMBER GLASS SVOC or TPHD	1L HDPE METALS, HG	6" BRASS TUBE SVOC, TPHD PESTICIDES	6" BRASS TUBE METALS, Hg, (%) MOISTURE	HERBICIDES?		REMARKS
ST262	5/31	0945		✓	KAFB-EB-262-053194	3	2	1					COOLED 4°C
ST262		1000		✓	KAFB-ST262-01-0406	2			1	1			
ST262		1015		✓	KAFB-ST262-01-0911	2			1	1			
ST262		1050		✓	KAFB-ST262-02-0406	2			1	1			
ST262		1100		✓	KAFB-ST262-02-0911	2			1	1			
ST262		1155		✓	KAFB-ST262-03-0406	2			1	1			
ST262		1210		✓	KAFB-ST262-03-0911	2			1	1			
ST262		1255		✓	KAFB-ST262-04-0409	2			1	1			
ST262		1255		✓	KAFB-ST262-99-0409	2			1	1			
ST262		1315		✓	KAFB-ST262-04-0912	2			1	1			
ST262		1415		✓	KAFB-ST262-05-0406	2			1	1			
ST262	↓	1430		✓	KAFB-ST262-05-0911	2			1	1			↓

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):
Joe Pawlik	5/31/94 1000	FED EX 928336214 1			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME: 6/1 0945	REMARKS:	

NUS 440 REVISED 0891

COC # 053194-2 FIELD LOT # 0118 RMAL

Halliburton NUS CORPORATION

NUS LABORATORY — CHAIN OF CUSTODY RECORD

PROJECT NO.: 2456 | SITE NAME: KIRTLAND AFB

SAMPLERS (SIGNATURE): Joe Parisi

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO OF CONTAINERS	40 mL VOA VIALS VOC, on ICED	6" BRASS TUBE VOC, ICED						REMARKS
														35800
—	5/31	0650		⇒	KAFB-TB-01-053194	2	2							COOLED 4°C -1
ST262		0645			KAFB-EB-262-053194	4	4							-2
ST262		1000		✓	KAFB-ST262-01-0406	1		1						-3
ST262		1015		✓	KAFB-ST262-01-0911	1		1						-4
ST262		1050		✓	KAFB-ST262-02-0406	1		1						-5
ST262		1100		✓	KAFB-ST262-02-0911	1		1						-6
ST262		1155		✓	KAFB-ST262-03-0406	1		1						-7
ST262		1210		✓	KAFB-ST262-03-0911	1		1						-8
ST262		1255		✓	KAFB-ST262-04-0409	1		1						-9
ST262		1255		✓	KAFB-ST262-99-0409	1		1						-10
ST262		1315		✓	KAFB-ST262-04-09MS	1		1						-11
ST262		1415		✓	KAFB-ST262-05-0406	1		1						-12
ST262	↓	~~1430~~ 1430		✓	KAFB-ST262-05-0911	1		1						-13MS SD

RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)	RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)
Joe Parisi	5/31/94 1800	FEDEX 954342612			

RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED FOR LABORATORY BY (SIGNATURE)	DATE / TIME	REMARKS
			6/1/94 820	

NUS 440 REVISED 0891

COC# 060194-1 Field Lot# 010A HNUS

Halliburton NUS CORPORATION

NUS LABORATORY

CHAIN OF CUSTODY RECORD

PROJECT NO.:	SITE NAME:
2AS6	KIRTLAND AFB

SAMPLERS (SIGNATURE): [signature]

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	2L Amber bottles SVOC or DRO	1L HDPE Metals, Hg	6" brass tube SVOC, DRO	6" Brass Tube metals, Hg, pH, moisture				REMARKS
ST254	6/1	0645		✓	KAFB-EB-254-060194	3	2	1						cooled 4°C
		0937		✓	KAFB-ST254-01-0608	2			1	1				
		1014		✓	KAFB-ST254-01-1113	2			1	1				
		1107		✓	KAFB-ST254-02-0609	2			1	1				
		1130		✓	KAFB-ST254-02-1113	2			1	1				
		1322		✓	KAFB-ST254-03-0608	2			1	1				
		1345		✓	KAFB-ST254-03-1113	2			1	1				
		1425		✓	KAFB-ST254-04-0610	2			1	1				
		1425		✓	KAFB-ST254-99-0610	2			1	1				
		1445		✓	KAFB-ST254-04-1115	2			1	1				
		1445		✓	KAFB-ST254-04-1115	2			1	1				MS/MSD
		1535		✓	KAFB-ST254-05-0608	2			1	1				cooled 4°C
		1600		✓	KAFB-ST254-05-1113	2			1	1				

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
Joseph P. Pawitil	6/1/94 1800	Fed ex # 9283362126			
RELINQUISHED BY (SIGNATURE):	**DATE / TIME:**	**RECEIVED BY (SIGNATURE):**	**RELINQUISHED BY (SIGNATURE):**	**DATE / TIME:**	**RECEIVED BY (SIGNATURE):**
RELINQUISHED BY (SIGNATURE):	**DATE / TIME:**	**RECEIVED FOR LABORATORY BY (SIGNATURE):**	**DATE / TIME:**	**REMARKS:**	
		T Wynko	6/2 0900		

NUS 440 REVISED 0891

COC# 060194-2 old Lot # 011B B.M

Halliburton NUS CORPORATION — **NUS LABORATORY** — **CHAIN OF CUSTODY RECORD**

PROJECT NO.:	SITE NAME:
2A56	KIRTLAND AFB

SAMPLERS (SIGNATURE): Bm Wife

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	40ml VOA Vials VOC only or GRO 6" BRASS TUBE VOC, GRO							REMARKS
														35849
—	6/1	0655		✓	KAFB-TB-01-060194	2	2							cooled 4°C -1
5254		0645		✓	KAFB-EB-254-060194	4	4							-2
		0537		✓	KAFB-ST254-01-0608	1		1						-3
		1014 1107		✓	KAFB-ST254-01-1113	1		1						-4
		1107		✓	KAFB-ST254-02-0609	1		1						-5
		1120		✓	KAFB-ST254-02-1113	1		1						-6
		1325 1322		✓	KAFB-ST254-03-0608	1		1						-7
		1345		✓	KAFB-ST254-03-1113	1		1						-8
		1425		✓	KAFB-ST254-04-0610	1		1						-9
		1425		✓	KAFB-ST254-99-0610	1		1						-10
		1445		✓	KAFB-ST254-04-1115	1		1						-11
		1445		✓	KAFB-ST254-04-1115	1		1						MS/MSD -11MS, SD
		1535		✓	KAFB-ST254-05-0608	1		1						cooled 4°C -12
—	—	1600		✓	KAFB-ST254-05-1113	1		1						-13

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
Joe Packard	6/1/94 1800	FEDEX # 954342634			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
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NUS 440 REVISED 0491

COC # 060394-1 FIELD LOT # 010A HNUS

Halliburton NUS CORPORATION — **NUS LABORATORY** — **CHAIN OF CUSTODY RECORD**

PROJECT NO.: 2A56 | SITE NAME: KIRTLAND

SAMPLERS (SIGNATURE): Joe Pavletich

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	2L AMBER BOTTLES SVOC or TPHD	1L HDPE METALS, HG	6" BRASS TUBE SVOC, TPHD	6" BRASS TUBE METALS, HG, PH, MOISTURE			REMARKS
ST248	6/3	0635		✓	KAFB-EB-248-060394	3	2	1					COOLED 4°C
ST248		1105		✓	KAFB-ST248-01-0911	2			1	1			
ST248		1130		✓	KAFB-ST248-01-1618	2			1	1			
ST248		1310		✓	KAFB-ST248-02-0305	2			1	1			
ST248		1325		✓	KAFB-ST248-02-0810	2			1	1			
ST248		1355		✓	KAFB-ST248-03-0305	2			1	1			
ST248		1405		✓	KAFB-ST248-03-0810	2			1	1			
ST248		1450		✓	KAFB-ST248-04-0307	2			1	1			
ST248		1450		✓	KAFB-ST248-04-0307	2			1	1			
ST248		1515		✓	KAFB-ST248-04-0811	2			1	1			
ST248		1610		✓	KAFB-ST248-05-0305	2			1	1			
ST248	✓	1625		✓	KAFB-ST248-05-0810	2			1	1			
					Per J. Pavletich 6/6/94 @ 11:00am - Add Pesticides/PCBs by SW8080								
					to samples ST248-01-0911 and ST248-01-1618 JM 6/6/94								

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):
Joe Pavletich	6/3/94 1800	FEDEX 928336 2093			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS:	
		John	6/7 0947		

NUS 440 REVISED 0891

COC ' 060394-2 FIELD LOG - 01-IV RMHL

Halliburton NUS CORPORATION

NUS LABORATORY — CHAIN OF CUSTODY RECORD

PROJECT NO.:	SITE NAME:
2A56	KIRTLAND AFB

SAMPLERS (SIGNATURE): Joe Parisi

STATION NO	DATE	TIME	COMP	GRAB	STATION LOCATION	NO OF CONTAINERS	40ml VOA VIALS VOC or GRAB	6" BRASS TUBE VOC, GRAB	REMARKS
—	6/3	0645		—	KAFB-TB-01-060394	2	2		35907 - 1 of 2 coolers 4°C
ST24B		0630		✓	KAFB-EB-24B-060394-	4	4		-2
ST24E		1105		✓	KAFB-ST24E-01-0711	1		1	-3
ST24B		1130		✓	KAFB-ST24B-01-1610	1		1	-4
ST24E		1310		✓	KAFB-ST24B-02-0305	1		1	-5
ST24B		1325		✓	KAFB-ST24B-02-0810	1		1	-6
ST24B		1355		✓	KAFB-ST24B-03-0305	1		1	-7
ST24B		1405		✓	KAFB-ST24B-03-0810	1		1	-8
ST24E		1450		✓	KAFB-ST24E-04-0307	1		1	-9
ST24E		1450		✓	KAFB-ST24B-99-0307	1		1	-10
ST24E		1515		✓	KAFB-ST24B-04-0811	1		1	-11
ST24E		1610		✓	KAFB-ST24E-05-0305	1		1	-12
ST24B	↓	1625		✓	KAFB-ST24E-05-0810	1		1	-13 ↓ MS/SD

RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)	RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)
Joe Parisi	6/3/94 1800	FEDEX 954342646 56			
RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)	RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)
	6/4/94 0825	RMAL			
RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED FOR LABORATORY BY (SIGNATURE)	DATE / TIME	REMARKS: 35907.	

NUS 440 REVISED 0891

COC # 060694-1 FIELD LOT # ~~HOA~~ 010A HNUS

JB

Halliburton NUS CORPORATION — NUS LABORATORY — CHAIN OF CUSTODY RECORD

PROJECT NO.:	SITE NAME:
2A56	KIRTLAND AFB

SAMPLERS (SIGNATURE): Joe Puretich

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	2L AMBER BOTTLES SVOC, PCB, DRO	1L HDPE METALS, HS	6" BRASS TUBE SVOC, DRO	6" BRASS TUBE METALS, HS, PH, MOISTURE, PESTICIDES, PCB	2L AMBER BOTTLE PESTICIDE, PCB	REMARKS
ST249	6/6	~~0835~~		✓	KAFB-EB-249-060694	3	2	1			1	~~1~~ COOLED 4°C
		0915		✓	KAFB-EB-249-060694	1					1	
		1130		✓	KAFB-ST249-01-0911	2			1	1		
		1155		✓	KAFB-ST249-01-1618	2			1	1		
		1225		✓	KAFB-ST249-01-2123	2			1	1		
		B10		✓	KAFB-ST249-01-3032	2			1	1		
		~~1445~~		✓	KAFB-ST249-02-0103	2			1	1		
		~~1450~~		✓	~~KAFB-AB-01-060694A~~							(BLK)
		1520		✓	KAFB-ST249-03-0511	2			1	1		cooled 4°C
		1555		✓	KAFB-ST249-03-~~1620~~ 1621 (2nd)	2			1	1		
		1555		✓	KAFB-ST249-~~03~~ 1621 (2nd)	2			1	1		
		1635		✓	KAFB-ST249-03-2125	2			1	1		
		1635		✓	KAFB-ST249-03-2125	2			1	1		MS/MSD

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
Joe Puretich	6/6/94 1800	FedEx 928336207 1			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME: 6/7 0930	REMARKS:	

NUS 440 REVISED 0894

COC # 060611-2

Halliburton NUS CORPORATION

NUS LABORATORY

CHAIN OF CUSTODY RECORD

PROJECT NO.:	SITE NAME:
2A56	KIRTLAND AFB

SAMPLERS (SIGNATURE): Joe Partitl

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	40ml VOA VIALS VOC or GRO	6" BRASS TUBE VOC, GRO					REMARKS 35954
–	6/6	0645		–	KAFB-TB-01-060694	2	2						COOLED 4°C -1
ST249		0635		✓	KAFB-EB-249-060694	4	4						-2
ST249		1130		✓	KAFB-ST249-01-0911	1		1					-3
		1155		✓	KAFB-ST249-01-1618	1		1					-4
		1225		✓	KAFB-ST249-01-2123	1		1					-5
		1310		✓	KAFB-ST249-01-3032	1		1					-6
		1445		✓	KAFB-ST249-02-0103	1		1					-7
		1450		✓	KAFB-AB-~~01~~ 249-060694	2	2						-8
		1520		✓	KAFB-ST249-03-0911	1		1					-9
		1555		✓	KAFB-ST249-03-~~1620~~ 1621	1		1					-10
		1555		✓	KAFB-ST249-~~02~~ 03-~~1620~~ 1621	1		1					-11
		1635		✓	KAFB-ST249-03-2125	1		1					-12
		1635		✓	KAFB-ST249-03-2125	1		1					MS/MSD -13

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
Joe Partitl	6/6/94 1800	FEDEX 9543424380			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS:	
		[signature]	6/7 0840	TEMP 11.2 35954	

COC # 060794-1 FIELD LOT # 010A HNUS

Halliburton NUS CORPORATION — NUS LABORATORY — CHAIN OF CUSTODY RECORD

PROJECT NO.:	SITE NAME:
2A56	KIRTLAND AFB

SAMPLERS (SIGNATURE): Joe Parisi

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	2 L AMBER BOTTLES SVOC OR DRO	1 L HDPE METALS, HG	2 L AMBER BOTTLE PESTICIDES, PCBs	6" GLASS TUBE SVOC, DRO	6" GLASS TUBE METALS, HG, PH	MOISTURE, PCB PESTICIDES, PCB	REMARKS
ST249	6/7	0640		-	KAFB-EB-249-060794	4	2	1	1				COOLED 4°C
ST249		0930		✓	KAFB-ST249-04-0911	2				1	1		
ST249		1000		✓	KAFB-ST249-04-1618	2				1	1		
ST249		1040		✓	KAFB-ST249-04-2123	2				1	1		
ST249		1215		✓	KAFB-ST249-05-0911	2				1	1		
ST249		1255		✓	KAFB-ST249-05-1618	2				1	1		
ST249	↓	1320		✓	KAFB-ST249-05-2123	2				1	1		

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
Joe Parisi	6/7/94 1800	FEDEX (JP) ~~959342447365~~			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE): FEDEX 928336 2056	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
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NUS 440 REVISED 0891

COC# 060894-1 FIELD LOT # 1171

Halliburton NUS CORPORATION — **NUS LABORATORY** — **CHAIN OF CUSTODY RECORD**

PROJECT NO.: 2A56 | SITE NAME: KIRTLAND

SAMPLERS (SIGNATURE): Joe Pautsch

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	40ml VOAs VOC or GRO	6" Glass Tube VOC or VOC & GRO	2 Amber Bottles SVOC &/or DRO	Metals, Hg 6" Glass Tube SVOC DRO	6" Brass Tube SVOC DRO	Metals, Hg Explosives	REMARKS	
-	6/8	0645		-	KAFB-TB-01-060894	2	2						COOLED 4°C	-1
ST210		0640		✓	KAFB-EB-210-060894	4	4							-2
ST210		1000		✓	KAFB-ST210-05-0810	1		1						-3
		1018		✓	KAFB-ST210-05-1517	1		1					MS/MSD	-4 MS/MSD
		1018		✓	KAFB-ST210-05-1517	1		1					cooled 4°C	-4
		1135		✓	KAFB-ST210-06-0709	1		1						-5
		1350		✓	KAFB-ST210-08-0810	1		1						-6
		1204		✓	KAFB-ST210-06-1214	1		1						-7
		1415		✓	KAFB-ST210-08-1517	1		1					HIGH VOC LEVELS	-8
		1455		✓	KAFB-ST210-08-2527	1		1						-9
		0640		✓	KAFB-EB-210-060894	3			2	1				-10
		1605		✓	KAFB-ST210-08-3537	3		1			1	1	HIGH VOC LEVELS	-11
		1720		✓	KAFB-ST210-08-4549	3		1			1	1		-12
		1720		✓	KAFB-ST210-99-4549	3		1			1	1		-13

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[signature]	6/9/94 1000	FED EX 954342434 3			
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		[signature]	6/10/94 830	36070	

NUS 440 REVISED 0891

COC# 060994-1 Field Lot # 111A ? MAL

Halliburton NUS CORPORATION NUS LABORATORY **CHAIN OF CUSTODY RECORD**

PROJECT NO.: 2A56

SITE NAME: KIRTLAND

SAMPLERS (SIGNATURE): [signature]

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	1 [illegible] VOAS / VOC or GRO	6" Brass Tube / VOC or VOC & GRO	2L Amber Bottles / SVOC & DRO	1L HDPE / Metals, Hg	6" Brass Tube / SVOC DRO	6" Brass Tube / Metals, Hg, [illegible]	REMARKS	
	6/9	0640	-	-	KAFB-TB-01-060994	2	2						cooled 4°C	-14
ST210		0630		✓	KAFB-EB-210-060994	7	4		2	1				-15
ST210		1045		✓	KAFB-ST210-~~0~~8-5557	3		1			1	1		-16
ST210		1410		✓	KAFB-AB-210-060994	2	2							-17
ST210		1445		✓	KAFB-~~[illegible]~~ ST210-07-0709	1		1					HIGH LEVELS OF VOCS	-18
ST210		1515		✓	KAFB-ST210-07-1214	1		1					HIGH LEVELS OF VOCS	-19

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
[signature]	6/9/94	Fedex # 4643424343			

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RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS:
		[signature]	6 '94 830	36070

COC # 061094-1 FIELD LOT # 011.. -MA

Halliburton NUS CORPORATION

NUS LABORATORY — CHAIN OF CUSTODY RECORD

PROJECT NO.: ZA56 | SITE NAME: KIRTLAND AFB

SAMPLERS (SIGNATURE): Joe Parrish

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	40ml VOA VIALS VOC or GRO	2 LAMBER BOTTLES SVOC or DRO	1L HDPE METALS, MS	6" GLASS TUBE VOC & VOC & GRO	6" GLASS TUBE SVOC & DRO	6" GLASS TUBE METALS, Hg, CN, MMORUS	REMARKS
—	6/10	0640		✓	KAFB-TB-01-061094	2	2						COOLED 4°C -1
ST210		0630		✓	KAFB-EB-210-061094	6	4	1	1				-2
ST210		1015		✓	KAFB-ST210-07-2224	1	0R +			1			-3
ST210		1015		✓	KAFB-ST210-99-2224	1	0R +			1			-4
ST210		1100		✓	KAFB-ST210-07-3236	3	3R			1	1	1	-5
ST210		1100		✓	KAFB-ST210-99-3236	3	3R			1	1	1	-6
ST210		1310		✓	KAFB-ST210-07-4244	3	3R			1	1	1	-7
ST210		1410		✓	KAFB-ST210-07-5254	3				1	1	1	-8

RELINQUISHED BY (SIGNATURE): Joe Parrish | DATE / TIME: 6/10/94 1800 | RECEIVED BY (SIGNATURE): FEDEX 954342306

RELINQUISHED BY (SIGNATURE): | DATE / TIME: | RECEIVED BY (SIGNATURE):

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REMARKS: 6131

COC# 061394-1 FIELD LOT # 01DA # COEs HNUS

Halliburton NUS CORPORATION

NUS LABORATORY — CHAIN OF CUSTODY RECORD

PROJECT NO.: ZA56 | SITE NAME: KIRTLAND

SAMPLERS (SIGNATURE): Joe Parrish

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	2 L AMBER BOTTLE SVOC & TPHC or GRO/DRO	1 L HDPE METALS, Hg	6" BRASS TUBE SVOC, DRO	6" BRASS TUBE METALS, Hg, PM, MOISTURE	6" BRASS TUBE GROS ALPHA & BETA	REMARKS
ST220	6/13	0645		✓	KAFB-EB-220-061394	4	3	1				COOLED 4°C
ST220	6/13	0950		✓	KAFB-ST220-01-0709	3			1	1	1	
ST220	6/13	1017		✓	KAFB-ST220-01-1416	3			1	1	1	
ST220	6/13	1055		✓	KAFB-ST220-02-0711	3			1	1	1	
ST220	6/13	1120		✓	KAFB-ST220-02-1416	3			1	1	1	
ST220	6/13	1055		✓	KAFB-ST220-99-0711	3			1	1	1	
ST220	6/13	1305		✓	KAFB-ST220-03-0709	3			1	1	1	
ST220	6/13	1335		✓	KAFB-ST220-03-1416	3			1	1	1	
ST220	6/13	1414		✓	KAFB-ST220-04-0709	3			1	1	1	
ST220	6/13	1450		✓	KAFB-ST220-04-1416	3			1	1	1	

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
Joe Parrish	6/13/94 1800	FEDEX 928336 1786			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
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			6/14 0920		

NUS 440 REVISED 0891

COC # 061594-1 Fi)Lot # 010A HNU

Halliburton NUS CORPORATION NUS LABORATORY ***CHAIN OF CUSTODY RECORD***

PROJECT NO.:	SITE NAME:
2A56	KIRTLAND AFB

SAMPLERS (SIGNATURE): B Wfe

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CON-TAINERS	2L Amb Bttles SVOC or DRO	1L Plas HDPE Metals Hg	6" Glass Tube SVOC DRO	6" Brass tube Gross Alpha Beta	6" Brass tube Metals Hg		REMARKS
ST221	6/15	0640		✓	KAFB--EB-221-061594	4	3	1					cooled 4° C
ST221	6/15	0835		✓	KAFB-ST221-08-0810	3			1	1	1		
ST221	6/15	0845		✓	KAFB-ST221-08-1315	3			1	1	1		
ST[illegible]	6/15	0930		✓	KAFB-ST221-09-0810	3			1	1	1		
ST221	6/15	0935		✓	KAFB-ST221-09-1315	3			1	1	1		
ST210	6/15	1535		✓	KAFB-ST210-09-0103	3			1	1	1		
ST210	6/15	1545		✓	KAFB-ST210-09-0509 ~~0507~~	3			1	1	1		
ST210		1610		✓	KAFB-ST210-10-0103	3			1	1	1		
ST210		1620		✓	KAFB-ST210-10-0507	3			1	1	1		
ST210		1645		✓	KAFB-ST210-11-0105	3			1	1	1		
ST210		1705		✓	KAFB-ST210-11-0509	3			1	1	1		
ST210		1645		✓	KAFB-ST210-11-0105	3			1	1	1		
ST210	↓	1705		✓	KAFB-ST210-11-0509	3			1	1	1		MS/MSD

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[illegible signature]	6/15/94	1630	FedEx 9283561942				
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NUS 440 REVISED 0891

COC# 061594-2 Field Lot# 0115 RMAL

Halliburton NUS CORPORATION — **NUS LABORATORY** — **CHAIN OF CUSTODY RECORD**

PROJECT NO.: 2A56 | SITE NAME: KIRTLAND AFB

SAMPLERS (SIGNATURE): Bn Wfe

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	40mL Va Vials HCl VOC or GRO	4oz Brass Tube VOC GRO	REMARKS
	6/15	0650		-	KAFB-TB-01-061594	2	2		cooled 4°C -1
ST221	6/15	0610		✓	KAFB-EB-221-061594	4	4		-2
ST221	6/15	0805		✓	KAFB-ST221-08-0810	1		1	-3
ST221	6/15	0845		✓	KAFB-ST221-08-1315	1		1	-4
ST221	6/15	0930		✓	KAFB-ST221-09-0810	1		1	-5
ST221	6/15	0935		✓	KAFB-ST221-09-1315	1		1	-6
ST210	6/15	1535		✓	KAFB-ST210-09-0103	1		1	-7
ST210	6/15	1545		✓	KAFB-ST210-09-0507	1		1	-8
ST210		1610		✓	KAFB-ST210-10-0103	1		1	-9
ST210		1620		✓	KAFB-ST210-10-0507	1		1	-10
ST216		1645		✓	KAFB-ST210-11-0105	1		1	-11
ST210		1705		✓	KAFB-ST210-11-0507	1		1	-12
ST210		645		✓	KAFB-ST210-99-0105	1		1	-13
ST210		1705		✓	KAFB-ST210-11-0509				MS/MSD -12

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):
[signature]	6/15/94 1850	FEDEX 954342424O			
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		[signature]	6/17/94 0815		36249

NUS 640 REVISED 0691

COC # 061694-1 FIELD LOT # 010A HNUS

Halliburton NUS CORPORATION

NUS LABORATORY — CHAIN OF CUSTODY RECORD

PROJECT NO.: 2456 | SITE NAME: KIRTLAND AFB

SAMPLERS (SIGNATURE): Tony Camp

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	40 ml VOC vial (SIC)	VOC vial (SIC)	2 L Amber DRO	3 VOC in DRO	1 x HDPE MBTEX + MG	6" Brass Tube SVOC DRO	6" Brass Tube NAPL MOISTURE	REMARKS
ST219	6/16/94	0645		-	KAFB-EB-219-061694	3			2	1				COOLED 4°C
ST219	6/16/94	0935		✓	KAFB-ST219-06-0709	2					1	1		
ST219	6/16/94	1000		✓	KAFB-ST219-06-1214	2					1	1		
ST219	6/16/94	1035		✓	KAFB-ST219-06-(SC)2426	2					1	1		
ST219	6/16/94	1125		✓	KAFB-ST219-06-3234	2					1	1		
ST219	6/16/94	1315		✓	KAFB-ST219-06-4244	2					1	1		
ST219	6/16/94	1430		✓	KAFB-ST219-06-5254	2					1	1		
ST219	6/16/94	1620		✓	KAFB-ST219-06-7476	2					1	1		↓
~~ST219~~	~~6/16/94~~				~~KAFB ST219 (SC)~~									

(SC)

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for Quentin	6/16/94 1800	FEDEX 928336 1920			
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			6/17 0900		

NUS 440 REVISED 0891

WC # 061694

Halliburton NUS CORPORATION

NUS LABORATORY — CHAIN OF CUSTODY RECO

PROJECT NO.: 2A56

SITE NAME: KIRTLAND AFB

SAMPLERS (SIGNATURE): Joe Parisi

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CON-TAINERS	40 VOA VIALS VOA @ GRO	6 1L BRASS TUBES VOC LEAD (UNFILTERED - TB)					REMARKS
													36249
—	6/16/94	0650		—	KAFB-TB-01-061694	2	2						COOLED 4°C -14
ST219	6/16/94	0645		✓	KAFB-EB-219-061694	4	4						-15
ST219	6/16/94	0935		✓	KAFB-ST219-06-0709	1		1					-16
ST219	6/16/94	1000		✓	KAFB-ST219-06-1214	1		1					-17
ST219	6/16/94	1035		✓	KAFB-ST219-06-2426	1		1					-18
ST219	6/16/94	1125		✓	KAFB-ST219-06-3234	1		1					-19
ST219	6/16/94	1315		✓	KAFB-ST219-06-4244	1		1					-20
ST219	6/16/94	1430		✓	KAFB-ST219-06-5254	1		1					-21
ST219	6/16/94	1620		✓	KAFB-ST219-06-7476	1		1					-22
~~ST219~~	~~6/16/94~~	~~1630~~											
ST210	6/15	1705		✓	KAFB-ST210-11-0509	1		1					MS/MSD -12

RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)	RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)
Joe Parisi	6/16/94 1800	FEDEX 954342422 5			
RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)	RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)
RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED FOR LABORATORY BY (SIGNATURE)	DATE / TIME	REMARKS:	
			6/17/94 930		

NUS 448 REVISED

COC # 061794-C Field Lot — [illegible]

Halliburton NUS CORPORATION

NUS LABORATORY

CHAIN OF CUSTODY RECORD

PROJECT NO.: 2AS6

SITE NAME: KIRTLAND AFB

SAMPLERS (SIGNATURE): [signature]

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	Fine VOA Vials VOC	6" Brass Tube VOC	REMARKS
									36316
—	6/17	0645		—	KAFB-TB-01-061794	2	2		cooled 4°C -1
ST219	6/17	0630		✓	KAFB-EB-219-061794	~~4~~ ②	~~4~~ 2		↓ -2
↓	6/17	0955		✓	KAFB-ST219-06-8587	1		1	↓ -3
↓	↓	1315		✓	KAFB-ST219-06-9599	1		1	↓ -4
↓	↓	1345		✓	KAFB-ST219-99-9599	1		1	↓ -5
↓	↓	1630		✓	KAFB-ST219-06-105107	1		1	↓ -6

NOTE: POSSIBLY HIGH LEVELS OF VOCs, ETC. IN THESE SOIL SAMPLES.

RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):
[signature]	6/17/94 1830	FEDEX 5543424203			

RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED BY (SIGNATURE):

RELINQUISHED BY (SIGNATURE):	DATE/TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE/TIME:	REMARKS:
		[signature]	6/18/94 245	

NUS 440 REVISED 0891

COC # 062094-1 FIELD LOT # 010A HNUS

Halliburton NUS CORPORATION

NUS LABORATORY — CHAIN OF CUSTODY RECORD

PROJECT NO.: 2456 | SITE NAME: KIRTLAND AFB

SAMPLERS (SIGNATURE): Joe Pawlicki

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	40ml VOA VIALS (ZERO)	2L AMBER BOTTLES (VOC or DRO or PH)	1L HDPE METALS, HS, (ZERO)	6" BRASS TUBE VOC, DRO, GRO, HS, (ZERO)	6" BRASS TUBE METALS, HS, (PH) HYDRIDE	REMARKS
ST259	6/20	0745		✓	KAFB-EB-259-062094	5	2	2	1			COOLED 4°C
ST259	6/20	1009		✓	KAFB-ST259-01-0913	2				1	1	
ST259	6/20	1055		✓	KAFB-ST259-01-1620	2				1	1	
~~ST259~~	~~6/20~~			✓	~~KAFB-ST259-02-09~~	2				1	1	
~~ST259~~	~~6/20~~			✓	~~KAFB-ST259-02-16~~	2				1	1	
ST259	6/20	1500		✓	KAFB-ST259-02	5	2	2	1			Metals need to be Filtered
ST259	6/20	1550 1530		✓	KAFB-ST259-03-1015 0913	2				1	1	COOLED 4°C
ST259	6/20	1650 1550		✓	KAFB-ST259-03-1620	2				1	1	

RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)	RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)
Joe Pawlicki	6/20/94 1830	FEDEX # 9283361894			

RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED FOR LABORATORY BY (SIGNATURE)	DATE / TIME	REMARKS:
			6/21 0945	

NUS 440 REVISED 0891

COC # 062094-Z FIELD LOT # 011B KMAC

Halliburton NUS CORPORATION

NUS LABORATORY — CHAIN OF CUSTODY RECORD

PROJECT NO.:	SITE NAME:
2A56	KIRTLAND AFB

SAMPLERS (SIGNATURE): Joe Pavletich

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	40ml VOA VIALS VOC	6" BRASS TUBE VOC					REMARKS
—	6/20	0745		—	KAFB-TB-01-062094		2						COOLED 4°C 36316 -7
ST259		0740		✓	KAFB-EB-259-062094		2						-8
ST259		1009		✓	KAFB-ST259-01-0913	1		1					-9
ST259		1055		✓	KAFB-ST259-01-1620	1		1					-10
~~ST259~~				✓	~~KAFB-ST259-02~~	1		1					
~~ST259~~				✓	KAFB-ST259-0216	1		1					
ST259		1500		✓	KAFB-ST259-02	2	2						-11
ST259		1530 1580		✓	KAFB-ST259-03-1015	1		1					-12
ST259	↓	1650 1550		✓	KAFB-ST259-03-1620	1		1					-13 (1315, 1335)

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
Joe Pavletich	6/20/94 1050	FEDEX # 007054544670			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS:	
			6/21/94 900		

NUS 440 REVISED 0491

CDC # 062194-1 FIELD LOT # 010A HNUS

Halliburton NUS CORPORATION

NUS LABORATORY

CHAIN OF CUSTODY RECORD

PROJECT NO.: 2A56

SITE NAME: KIRTLAND AFB

SAMPLERS (SIGNATURE): Joe Paulett[illegible]

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	40 ml VOA VIALS GRO	2L AMBER BOTTLES SVOC OR DRO	1L HDPE METALS/Hg	6" BRASS TUBE SVOC DRO GRO	6" BRASS TUBE METALS, Hg, pH, MOISTURE		REMARKS
ST259	6/21	0655		✓	KAFB-EB-259-062194	5	2	2	1				COOLED 4°C
ST259		0815		✓	KAFB-ST259-04-0913	2				1	1		
ST259		0925		✓	KAFB-ST259-04-1620	2				1	1		
ST259		1015		✓	KAFB-ST259-05-0913	2				1	1		
ST259		1340		✓	KAFB-ST259-05-1620	2				1	1		
ST259		1425		✓	KAFB-ST259-02-0913	2				1	1		
ST259		1510		✓	KAFB-ST259-02-1620	2				1	1		
ST259		1540		✓	KAFB-ST259-99-0913	2				1	1		
ST259		1600		✓	KAFB-ST259-02-1620	2				1	1		MS/MSD

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
Joe Paulett[illegible]	6/21/94 1800	FEDEX # 9283361872			

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS:
		[illegible signature]	6/[illegible] 0840	

NUS 4[illegible] REVISED 08[illegible]

Field Lot # 010A COC # 062294-1 1 of 1

Halliburton NUS CORPORATION — **NUS LABORATORY** — **CHAIN OF CUSTODY RECORD**

PROJECT NO.	SITE NAME
2A56	KIRTLAND AFB

SAMPLERS (SIGNATURE): B. Wyle

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	2oz Amber bot NUS SVOC	1L HDPE Metals	2oz Amber bottle DRO	240ml EVOA Vials GRO	6" Brass sleeve SVOC, DRO, GRO	6" Brass sleeve Metals, Hyphenates	REMARKS
ST260	6/22	0700		✓	KAFB-EB-260-062294	5	1	1	1	2			cooled 4°C
ST260	6/22	0920		✓	KAFB-ST260-01-0509	2					1	1	
ST260	6/22	1000		✓	KAFB-ST260-01-1014	2					1	1	
ST260	6/22	1050		✓	KAFB-ST260-02-0505	2					1	1	
ST260	6/22	1115		✓	KAFB-ST260-02-1014	2					1	1	
ST261	6/22	1352		✓	KAFB-ST261-01-0305	2					1	1	
ST261	6/22	1405		✓	KAFB-ST261-01-0810	2					1	1	
ST261	6/22	1449		✓	KAFB-ST261-02-0305	2					1	1	
ST261	6/22	1505		✓	KAFB-ST261-02-0810	2					1	1	

RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)	RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)
[signature]	6/22/94 1850	FEDEX 928336185D			

RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED FOR LABORATORY BY (SIGNATURE)	DATE / TIME	REMARKS
		[signature]	6/23 0900	

COC#- 062394-1 Field Lot # 010A HNUS

Halliburton NUS CORPORATION — **NUS LABORATORY** — **CHAIN OF CUSTODY RECORD**

PROJECT NO.: 2A56 | SITE NAME: KIRTLAND AFB

SAMPLERS (SIGNATURE): Kathy Camp

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	2L Amber bottle SVOC 1L HDPE Metals 2L Amber bottle DRO 2 40mL vials GRO 6" brass sleeve SVOC, DRO, GRO 6" brass sleeve Metals, Hg, %moisture	REMARKS
ST266	6/23	0625		✓	KAFB-EB-266-062394	5	1 1 1 2	cooled 4°C
ST266	6/23	0940		✓	KAFB-ST-266-01-0610	2	1 1	
ST266	6/23	0940		✓	KAFB-ST266-99-0610	2	1 1	
ST266	6/23	1040		✓	KAFB-ST266-01-1618	2	1 1	
ST266	6/23	1130		✓	KAFB-ST266-02-0608	2	1 1	
ST266	6/23	1347		✓	KAFB-ST266-02-1618	2	1 1	
ST266	6/23	0		✓	KAFB-ST266-02-2628	2	1 1	BW
ST266	6/23	1505		✓	KAFB-ST266-03-0608	2	1 1	
ST266	6/23	1555		✓	KAFB-ST266-03-1618	2	1 1	
ST266	6/23	1625		✓	KAFB-ST266-03-2224	2	1 1	

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
Jon Purcell	6/23/94 1830	FedEx 928336 1824			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS:	
			6/24 0845		

NUS 440 REVISED 0891

QC # 062394-2 s/d Lot # 011B BMAL

Halliburton NUS CORPORATION

NUS LABORATORY — CHAIN OF CUSTODY RECORD

PROJECT NO.: 2A56 | SITE NAME: KIRTLAND

SAMPLERS (SIGNATURE):

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	40mL VOAs VOC	6" Brass Tube VOC	REMARKS
—	6/23	0635		—	KAFB-TB-01-062394	2	2		3645d cooled 4°C -1
ST266	6/23	0625		✓	KAFB-EB-[illegible]62394	2	2		-2
ST266	6/23	0940		✓	KAFB-ST266-01-0610	1		1	-3
ST266	6/23	0940		✓	KAFB-ST266-99-0610	1		1	-4
ST266	6/23	1040		✓	KAFB-ST266-01-1618	1		1	-5
ST266	6/23	1130		✓	KAFB-ST266-02-0608	1			-6
ST266	6/23	1347		✓	KAFB-ST266-02-1618	1			-7
~~ST266~~	~~6/23~~			✓	~~KAFB ST266 02 2628~~	1		1	(DW)
ST266	6/23	1505		✓	KAFB-ST266-03-0608	1		1	-8
ST266	6/23	1555		✓	KAFB-ST266-03-1618	1		1	-9
ST266	6/23	1625		✓	KAFB-ST266-03-2224	1		1	-10

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):
Jon Randall	6/23/94 1830	FEDEX 007054473 6			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS:	
			6 24 94 900		

NUS 440 REVISED 0891

COC # 062494-1 Initial 011B FINAL

Halliburton NUS CORPORATION — **NUS LABORATORY** — **CHAIN OF CUSTODY RECORD**

PROJECT NO.: 2A56 | SITE NAME: KIRTLAND AFB

SAMPLERS (SIGNATURE): Joe Purcell

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	2 40mL VOAs VOC	1 GLASS TUB	REMARKS
									36487
—	6/24	0815	·	—	KAFBTB-01-062494	2	2		cooled 4°C -1
ST266	6/24	0825	·	✓	KAFB-EB-266-062494	2	2		-2
ST266	6/24	0915	·	✓	KAFB-ST266-04-0608 ~~062494~~	1		1	-3
ST266	6/24	0945	·	✓	KAFB-ST266-04-1618 ~~1620~~ (MS)	1		1	-4
ST266	6/24	1030	·	✓	KAFB-ST266-05-0608 ~~0610~~ (MSD)	1		1	-
ST266	6/24	1115	·	✓	KAFB-ST266-05-1618	1		1	-6
ST266	6/24	1030	·	✓	KAFB-ST266-99-0610	1		1	-
ST267	6/24	1420	·	✓	KAFB-ST267-01-0408	1		1	-8
ST267	6/24	1420	·	✓	KAFB-ST267-01-0408	1		1	(MS/MSD) -9
ST267	6/24	1450	·	✓	KAFB-ST267-01-0911	1		1	cooled 4°C -10
ST267	6/24	1525	·	✓	KAFB-ST267-02-0406	1		1	-11
ST267	6/24	1535	·	✓	KAFB-ST267-02-0911	1		1	-12

RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)	RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)
Joe Purcell	6/24/94 1800	FEDEX # 928336 1802			
RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)	RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)
RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED FOR LABORATORY BY (SIGNATURE)	DATE / TIME	REMARKS: 36487	
			625 94 906		

NUS 440 REVISED 0891

COC #-062794-1 [illegible] Lot # 010A H1'S

Halliburton NUS CORPORATION NUS LABORATORY ***CHAIN OF CUSTODY RECORD***

PROJECT NO.: 2A56

SITE NAME: KIRTLAND AFB

SAMPLERS (SIGNATURE): Joe Parrett

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	2L Amber Bottles SVOC	2L Amber Bottles DRO	1L HDPE' Metals (Se Hg)	6" Brass tube SVOC DRO GRO	6" Brass tube Metals (Se, Hg) moisture	40ml VOA Vials GRO	REMARKS
ST267	6/27	0650		✓	KAFB-EB-267-062794	5	1	1	1			2	cooled 4°C
ST267	6/27	1445		✓	KAFB-ST267-03-0406	2				1	1		↓
ST267	6/27	1455		✓	KAFB-ST267-03-0911	2				1	1		
ST267	6/27	1545		✓	KAFB-ST267-04-0406	2				1	1		
ST267	6/27	1555		✓	KAFB-ST267-04-0911	2				1	1		

RELINQUISHED BY (SIGNATURE):	DATE / TIME:		RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:		RECEIVED BY (SIGNATURE):
Joe Parrett	6/27/94	1800	FEDEX 9283361780				
RELINQUISHED BY (SIGNATURE):	DATE / TIME:		RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:		RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:		RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:		REMARKS:	
			[signature]	6/28	0415		

NUS 440 REVISED 0891

COC# - 062894 - 1 Field Lot # 010A (Page 1 of 2) HNUS

Halliburton NUS CORPORATION — **NUS LABORATORY** — **CHAIN OF CUSTODY RECORD**

PROJECT NO.: 2A56 | SITE NAME: KIRTLAND AFB

SAMPLERS (SIGNATURE): B Wyle

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	2 L Amber Bottles SVOC	2 L Amber Bottle DRO	1 L HDPE Metals	6 x 3 Brass Sleeves SVOC	6 x 3 Brass Sleeves PRO GRO Metals 3 H Acid VOA Vials GRO	REMARKS
ST265	6/28	0640		✓	KAFB-EB-265-062894	5	1	1	1			2	cooled 4°C
ST265	6/28	0940		✓	KAFB-ST265-01-0406	2				1	1		
ST265	6/28	0950		✓	KAFB-ST265-01-0911	2				1	1		
ST265	6/28	1015		✓	KAFB-ST265-02-0408	2				1	1		
ST265	6/28	1015		✓	KAFB-ST265-99-0408	2				1	1		
ST265	6/28	1115		✓	KAFB-ST265-02-0911	2				1	1		
ST265	6/28	1225		✓	KAFB-ST265-03-0406	2				1	1		
ST265	6/28	1240		✓	KAFB-ST265-03-0911	2				1	1		
ST258	6/28	1500		✓	KAFB-ST258-01-0305	2				1	1		
ST258	6/28	1509		✓	KAFB-ST258-01-0810	2				1	1		
ST258	6/28	1540		✓	KAFB-ST258-02-0305	2				1	1		
ST258	6/28	1550		✓	KAFB-ST258-02-0810	2				1	1		
						2				1	1	(BL)	

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
[signature]	6/29/94 1830	FEDEX 928376176			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS:	
		[signature]	6/30 0920		

NUS 440 REVISED 0891

COC# -062894-1 Field Lot# 010A (PAge 2 of 2)

Halliburton NUS CORPORATION

NUS LABORATORY

CHAIN OF CUSTODY RECORD

PROJECT NO.: 2ASC

SITE NAME: KIRTLAND AFB

SAMPLERS (SIGNATURE): [signature]

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	6" Brass w/ SVOC DRO GRO	6" Brass tube Hs					REMARKS
ST257	6/28	1630		✓	KAFB-ST257-01-0305	2	1	1					cooled 4°C
ST257	6/28	1645		✓	KAFB-ST257-01-0812	2	1	1					↓
ST257	6/28	1645		✓	KAFB-ST257-99-0812	2	1	1					

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
[signature]	6/28/94 1830	FEDEX 9283361776			
RELINQUISHED BY (SIGNATURE):	**DATE / TIME:**	**RECEIVED BY (SIGNATURE):**	**RELINQUISHED BY (SIGNATURE):**	**DATE / TIME:**	**RECEIVED BY (SIGNATURE):**
RELINQUISHED BY (SIGNATURE):	**DATE / TIME:**	**RECEIVED FOR LABORATORY BY (SIGNATURE):**	**DATE / TIME:**	**REMARKS:**	
		[signature]	6/29 0930		

NUS 440 REVISED 0491

COC# 062894-2 Field Lot # 011B (page 1 of 2) 1/1/1/1.

Halliburton NUS CORPORATION

NUS LABORATORY

CHAIN OF CUSTODY RECORD

PROJECT NO.: 2A56

SITE NAME: KIRTLAND AFB

SAMPLERS (SIGNATURE): Bn Wde

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	40 ml VOA's VOC	6 1/2 oz Jar VOC					REMARKS
—	6/28	0650		—	KAFB-TB-01-062894	2	2						36.5C1 cooled 4°C -1
ST265	6/28	0640		✓	KAFB-EB-265-062894	2	2						-2
ST265	6/28	0940		✓	KAFB-ST265-01-0406	1		1					-3
ST265	6/28	0950		✓	KAFB-ST265-01-0911	1		1					-4
ST265	6/28	1115		✓	KAFB-ST265-02-0911	1		1					-5
ST265	6/28	1015		✓	KAFB-ST265-02-0408	1		1					-6
ST265	6/28	1015		✓	KAFB-ST265-99-0408	1		1					-7
ST265	6/28	1225		✓	KAFB-ST265-03-0406	1		1					-8
ST265	6/28	1240		✓	KAFB-ST265-03-0911	1		1					-9
ST258	6/28	1500		✓	KAFB-ST258-01-0305	1		1					-10
ST258	6/28	1509		✓	KAFB-ST258-01-0910	1		1					-11
ST258	6/28	1540		✓	KAFB-ST258-02-0305	1		1					-12
ST258	6/28	1550		✓	KAFB-ST258-02-0810	1		1					-13

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):
	6/28/94 1830	FEDEX# 007084784			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS:	
			6/29/94 1430		

NUS 440 REVISED 0691

COC# 062894-2 Field Lot # 011B (PAGE 2 of 2) MAL

Halliburton NUS CORPORATION — **NUS LABORATORY** — **CHAIN OF CUSTODY RECORD**

PROJECT NO.:	SITE NAME:
2A56	KIRTLAND AFB

SAMPLERS (SIGNATURE): BWyle

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	6" BRASS TUBE (VOC)	REMARKS
ST257	6/23	1630		✓	KAFB- ST257-99-0305	1	1	cooled 4°C -14
ST257	6/22	1645		✓	KAFB- ST257-99-0812	1	1	1 -15
ST257	6/28	1645		✓	KAFB- ST257-99-0812	1	1	— -16

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):
Joe Parent	6/29/99 1830	FEDEX 007045 44784			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME: 6/29/99 0830	REMARKS:	

NUS 440 REVISED 0891

Halliburton NUS CORPORATION

NUS LABORATORY — CHAIN OF CUSTODY RECORD

PROJECT NO.: 2A56

SITE NAME: Kirtland AFB

SAMPLERS (SIGNATURE):

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	2-40 ml vials VOCs - SW8240						REMARKS
					TB-01-062494	2	1 set						TB was mistakenly sent to NUS Laboratory

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
C. F. Howard	6/28/91 1635				
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS:	
			6/-- 1991		

36487

NUS 440 REVISED 0891

LOC# 062994-1 Field Log # 0104 FINDS

Halliburton NUS CORPORATION

NUS LABORATORY — CHAIN OF CUSTODY RECORD

PROJECT NO.:	SITE NAME:
2A56	KIRTLAND AFB

SAMPLERS (SIGNATURE): Joe Pautsch

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	6" SVOC, DRO, GRO	6" Brass Tube Metals, Hydrocarbons	2L Amber SVOC	2L Amber DRO	1L HDPE Metals, Ha 40mL VOA GRO	REMARKS
ST257	6/29	0650		✓	KAFB-EB-257-062994	5			1	1	1	2	cooled 4°C
ST257	6/29	0420		✓	KAFB-ST257-02-0307	4	2	2					MS/MSD INCLUDED
ST257	6/29	0950		✓	KAFB-ST257-02-0810	2	1	1					COOLED 4°C
ST257	6/29	1113		✓	KAFB-ST257-03-0305	2	1	1					
ST257	6/29	1120		✓	KAFB-ST257-03-0810	2	1	1					
ST256	6/29	1215		✓	KAFB-ST256-01-0305	2	1	1					
ST256	6/29	1225		✓	KAFB-ST256-01-0810	2	1	1					
ST256	6/29	1255		✓	KAFB-ST256-02-0305	2	1	1					
ST256	6/29	1305		✓	KAFB-ST256-02-0810	2	1	1					
ST255	6/29	1430		✓	KAFB-ST255-01-0305	2	1	1					
ST255	6/29	1455		✓	KAFB-ST255-01-0812	2	1	1					
ST255	6/29	1455		✓	KAFB-ST255-99-0812	2	1	1					
ST255	6/29	1540		✓	KAFB-ST255-02-0305	2	1	1					
ST255	6/29	1550		✓	KAFB-ST255-02-0810	2	1	1					

RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)	RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)
Joe Pautsch	6/29/94 1830	9283361743			
RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)	RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)
RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED FOR LABORATORY BY (SIGNATURE)	DATE / TIME	REMARKS:	
			6/30 0830		

NUS 440 REVISED 0891

COC# 062994-2 Field Lot # 011B 1081

Halliburton NUS CORPORATION — **NUS LABORATORY** — **CHAIN OF CUSTODY RECORD**

PROJECT NO.: 2A56 SITE NAME: KIRTLAND AFB

SAMPLERS (SIGNATURE): Joe Pasetti

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	6" BRASS TUBE VOC	40ml VOA VIALS VOC					REMARKS	
—	6/29	0645		-	KAFB-TB-01-062994	2		2					Cooled At 4°C	-1
ST257	6/29	0650		✓	KAFB-EB-257-062994	2		2					↓	-2
ST257	6/29	0920		✓	KAFB-ST257-02-0307	2	2	X					MS/MSD INCLUDED	-3
ST257	6/29	0950		✓	KAFB-ST257-02-0810	1	1	X					Cooled At 4°C	-4
ST257	6/29	1113		✓	KAFB-ST257-03-0305	1	1	X						-5
ST257	6/29	1120		✓	KAFB-ST257-03-0810	1	1	X						-6
ST256	6/29	1215		✓	KAFB-ST256-01-0305	1	1	X						-7
ST256	6/29	1225		✓	KAFB-ST256-01-0810	1	1	X						-8
ST256	6/29	1255		✓	KAFB-ST256-02-0305	1	1	X						-9
ST256	6/29	1305		✓	KAFB-ST256-02-0810	1	1	X (1540)						-10
ST255	6/29	1430		✓	KAFB-ST255-01-0305	1	1							-11
ST255	6/29	1455		✓	KAFB-ST255-01-0812	1	1							-12
ST255	6/29	1455		✓	KAFB-ST255-99-0812	1	1							-13
ST255	6/29	1540		✓	KAFB-ST255-02-0305	1	1							-14
ST255	6/29	1550		✓	KAFB-ST255-02-0810	1	1							-15

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
Joe Pasetti	6/29/94 1830	FEDEX 007054840			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME: 6/30/94 0911	REMARKS: 36580	

NUS 440 REVISED 0891

QC# 063094-1 Field Lot# 0101A (?)

Halliburton NUS CORPORATION

NUS LABORATORY

CHAIN OF CUSTODY RECORD

PROJECT NO.: 2A56

SITE NAME: KIRTLAND AFB

SAMPLERS (SIGNATURE): [signature]

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	6" Brass Tube SVOC, DRO, GRO	6" Brass Tube Alk, pH, moisture	2L Amber SVOC	2L Amber DRO	1L HDPE Metals, Hg	40ml VOA Vials GRO	REMARKS
ST264	6/30	0640		✓	KAFB-EB-264-063094	5			1	1	1	2	cooled 4°C
ST264	6/30	0955		✓	KAFB-ST264-01-0709	2	1	1					
ST264	6/30	1030		✓	KAFB-ST264-01-1214	2	1	1					

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[signature]	6/30/94	1800	FedEx 928336732				

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RELINQUISHED BY (SIGNATURE):	DATE / TIME:		RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:		REMARKS:
			[signature]	7/1	0830 (?)	

NUS 440 REVISED 0491

COC# 070594-1 Field Lot # 010A

Halliburton NUS CORPORATION — NUS LABORATORY — CHAIN OF CUSTODY RECORD

PROJECT NO.:	SITE NAME:
2A56	KIRTLAND AFB

SAMPLERS (SIGNATURE): B Wade

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	6" Brass Tube SVOC, DRO GRO	6" Brass Tube Metals, Hg, Pb, Inorganics	2L Amber SVOC	2L Amber DRO	1L HDPE Metals, Hg, Pb, HS	40 mL VOA Vials GRO	6" Brass Tube SVOC, DRO	REMARKS
ST264	7/5	0630	.	✓	KAFB-EB-264-070594	5			1	1	1	2		cooled 4°C
ST264	7/5	1020	.	✓	KAFB-ST264-02-0709	2	1	1						
ST264	7/5	1100	.	✓	KAFB-ST264-02-1214	2	1	1						
ST264	7/5	1140	.	✓	KAFB-ST264-03-0709	2	1	1						
ST264	7/5	1215	.	✓	KAFB-ST264-03-1214	2	1	1						
ST229	7/5	1600	.	✓	KAFB-ST229-06-1416	1							1	COOLED 4°C
ST229	7/5	1600	.	✓	KAFB-ST229-99-1416	1							1	
ST229	7/5	1630	.		KAFB-ST229-06-2123								2	MS/MSD
					~~KAFB-ST2~~									(R)
ST229	7/5	1730	.	✓	KAFB-ST229-06-2830	3	1	1						

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Joe Sanchez	7/6/04 1800	FEDEX 928336 1721			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME: 7/6 5430	REMARKS:	

CC # 070694-1 Field Lot # 010A

Halliburton NUS CORPORATION

NUS LABORATORY

CHAIN OF CUSTODY RECORD

PROJECT NO.: 2A56

SITE NAME: KIRTLAND AFB

SAMPLERS (SIGNATURE): BJ Wyle

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	2L Amber SVOC	2L Amber DRO	1L HDPE Metals, Hg	6 Brass Tube SVOC, DRO, GRO	4 Brass Tube VOA Vials	40 mL VOA Vials GRO	REMARKS
	7/6	0635		✓	KAFB-EB-251-070694		1	1	1			2	cooled 4°C
ST251	7/6	1017		✓	KAFB-ST251-04-0507	1				1			
ST251	7/6	1042		✓	KAFB-ST251-04-1012	1				1			
ST251	7/6	1200		✓	KAFB-ST251-05-0507	1				1			
ST251	7/6	1225		✓	KAFB-ST251-05-1012	1				1			
ST251	7/6	1320		✓	KAFB-ST251-06-0507	1				1			
ST251	7/6	1340		✓	KAFB-ST251-06-1012	1				1			

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
BJ Wyle	7/6/94 1800	FedEx 928336172			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS:	
			7/7 0??		

COC # 070694-3

Fed Ex # IIIA

0638

CHAIN OF CUSTODY

Original Chain of Custody goes to Laboratory

Proj. # 2A56

Project name: KIRTLAND AIR FORCE BASE

Samplers (Please print): STEVE CAMP

DATE	Time	Comp. / Grab.	Sample Identification	Sample Matrix	Number of containers	40 ml VOA + TPH purgeables	1000 ml Amber SVOC TPH EXT	500 ml plastic; Metals + Hg	6" Brass Tube VOC, SVOC, TPHs	6" Brass Tube Metals, Hg, pH, ...				Remarks
7-6-94	0700	GRB	KAFB-TB-01-070694	H_2O	2	2								
070694	0745	GRB	KAFB-ER-210-070694	H_2O	4	2	1	1						
070694	1055	GR.	KAFB-ST210-12-5759	SOIL	2				1	1				
070694	1120	GR	KAFB-AB-01-070694	H_2O	2	2								Ambient Blank
070694	1125	GR	KAFB-ST210-12-7072	SOIL	2				1	1				
070694	1525	GR	KAFB-ST210-12-8082	SOIL	2				1	1				
070694	1600	GR	KAFB-ST210-12-9092	SOIL	2				1	1				Samples had to be
070694	1640	GR	KAFB-ST210-12-100102	SOIL	2				1	1				split for dual
070694	1740	GR	KAFB-ST210-12-110112	SOIL	2				1	1				analysis. 7/9/94

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time	Remarks:
[signature]	7/6/94 1815	Fed Ex # 0070544854	7/6/94 1820	
Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time	
Relinquished by (Signature)	Date/Time	Received by (Signature) [signature]	7/7/94 10:30	

Loc # 010 1 0211

CHAIN OF CUSTODY

Original Chain of Custody goes to Laboratory

Proj. #	Project name
2A56	KIRTLAND AIR FORCE BASE

Samplers (Please print): STEVE CAMP

DATE	Time	Comp. / Grab.	Sample Identification	Sample Matrix	Number of containers	40ml VOA VOC TPH	1000ml Amber SVOC	500ml Plastic Metals, Hg	6" Brass Tube SVOC, VOC, TPH	6" Brass Tube metals, Hg, % moisture				Remarks
7-7-94	0645	Gr	KAFB-EB-210-070794	H_2O	4	2	1	1						Cooled 4°C
7-7-94	0650	Gr	KAFB-TB-01-070794	H_2O	2	2								↓
7-7-94	0730	GR	KAFB-ST210-12-120122	SOIL	2				1	1				↓
7-7-94	0820	GR	KAFB-ST210-12-130132	SOIL	2				1	1				↓
7-7-94	0910	GR	KAFB-ST210-12-140142	SOIL	2				1	1				↓
7-7-94	0910	GR	KAFB-ST210-99-140142	SOIL	2				1	1				↓
7-7-94	1000	GR	KAFB-ST210-12-150153	SOIL	4				2	2				Extra tubes for MS/MSD

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
[signature]	070794 1600	FED. EX. AB# 0070544876	070794 1615
Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
Relinquished by (Signature)	Date/Time	Received by (Signature) [signature]	7/8/94 10:45

Remarks:
- PLEASE RETURN BLUE ICE THANKS

CEIMIC Corporation 10 Dean Knauss Drive, Narragansett, RI 02882 (401) 782-8900 FAX (401) 782-8905

COC# 070994-1

FIELD LOG # 0668

CHAIN OF CUSTODY

Original Chain of Custody goes to Laboratory

Page 1 of 1

Proj. # 2A56 | Project name KIRTLAND AIR FORCE BASE

Samplers (Please print): STEVE CAMP

DATE	Time	Comp. / Grab	Sample Identification	Sample Matrix	Number of containers	Analyses: Aml VOA 8240 +TPH purge	1000 ml A/BN 8270 +TPH Ext.	500 ml Filtered Metals + Hg	5" Brass Tube 8240, 8270, TPH purgeable	6" Brass Tube TPH Ext. Metals, HS, pH, % Moisture	Remarks
070994	0835	GR.	KAFB-TB-01-070994	H_2O	2	2					
	0840	GR.	KAFB-EB-219-070994	H_2O	4	2	1	1			
	0940	GR	KAFB-ST219-07-7476	SOIL	2				1	1	
	0945	GR	KAFB-ST219-07-8082	SOIL	2				1	1	O.V.A 140 - 600 ppm
	0830	GR	KAFB-ST219-07-9092	SOIL	2				1	1	OVA - 300 - 520 ppm
	0910	GR	KAFB-ST219-07-100102	SOIL	2				1	1	
	0950	GR	KAFB-ST219-07-110112	SOIL	2				1	1	
	1035	GR	KAFB-ST219-07-120122	SOIL	2				1	1	
	1120	GR	KAFB-ST219-07-130132	SOIL	2				1	1	
SPC	1100	GR	~~KAFB-ST219-99-13013~~	SOIL	2				1	1	SPC
070994	1220	GR	KAFB-ST219-07-140144	SOIL	2				1	1	
	1220	GR	KAFB-ST219-99-140144	SOIL	2				1	1	
	1330	GR	KAFB-ST219-07-150	SOIL	2				1	1	

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
[signature]	070994 1700	FED EX A.B.# 875222 5665	070994 1200
Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time

Remarks:

COOLER CONTAINS 10 lbs. DRY ICE

PLEASE RETURN BLUE ICE - THANKS

CEIMIC Corporation 10 Dean Knauss Drive, Narragansett RI 02882 (401) 782-8900 FAX (401) 782-8905

[illegible] 072294-[illegible]

0600

CHAIN OF CUSTODY

Original Chain of Custody goes to Laboratory

Proj. #: 2A56
Project name: Kirtland Air Force Base
Samplers (Please print): Steve Camp

DATE	Time	Comp./Grab.	Sample Identification	Sample Matrix	Number of containers	40 ml VOA VOC TPH purgeables	1000 ml Amber SVOC TPH extractables	500 ml poly Metals, pH	6" Brass Tube 8240 TPH purgeables	6" Brass Tube 8270 TPH extractables	6" Brass Tube TCLP Metals Ignitability			Remarks
072294	0730	GR.	KAFB-EB-219-072294	H_2O	4	2	1	1						
	0740	GR.	KAFB-TB-01-072294	H_2O	2	2								
	1015	GR	KAFB-ST219-09-1012	Soil	3				1	1	1			OVA <5 ppm
	1035	GR	KAFB-ST219-09-2022	Soil	3				1	1	1			OVA [illegible]
	1107	GR	KAFB-ST219-09-3032	Soil	3				1	1	1			OVA: 1850.0 ppm
	1210	GR	KAFB-ST219-09-4044	Soil	6				2	2	2			MS/MSD included; OVA [illegible]
	1235	GR	KAFB-ST219-09-5052	Soil	3				1	1	1			OVA <5 ppm
	1310	GR	KAFB-ST219-09-6062	Soil	3				1	1	1			OVA <5 ppm
	1400	GR	KAFB-ST219-09-7072	Soil	3				1	1	1			OVA <5 ppm
	1440	GR	KAFB-ST219-09-8082	Soil	3				1	1	1			[illegible]
	1510	GR	KAFB-ST219-09-9092	Soil	3				1	1	1			OVA - 700 ppm
	1545	GR	KAFB-ST219-09-10102	Soil	3				1	1	1			OVA 500 ppm

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
[signature]	072294 1800	Fed Ex Air Bill # [illegible]5222 5707	072294 1800
Relinquished by: (Signature)	Date/Time	Received by: (Signature) [signature]	Date/Time 07/23/94 1030
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time

Remarks: Please Return Blue Ice — Thanks —

12

Loc# 072394-1

0639

CHAIN OF CUSTODY

Original Chain of Custody goes to Laboratory.

Page 1 of 1

Proj. #	Project name	Sample Matrix	Number of containers	Analyses									Remarks
2456	KIRTLAND AIR FORCE BASE			40 ml VOA VOC	1600 ml Asbestos	500 ml Metals	6" Brass Tube	4 Brass Tube	6 Brass Tube				
Samplers (Please print): STEVE CAMP				TPH extractable	SVOC	Pesticides	8240, 8270	TPH extractable	Moisture	TCLP Metals			
				TPH gasoline	TPH extractable	Herbicides	TPH extractable	Metals, Hg, pH	Metals, Hg, pH	Ignitability			
DATE	Time	Comp. / Grab.	Sample Identification										
072394	0740	GR.	KAFB-EB-219-072394	H_2O	4	2	1	1					
	0750	GR.	KAFB-TB-01-072394	H_2O	2	2							
	0920	GR	KAFB-ST219-10-1012	Soil	3				1	1	1		OVA Blow Sample
	0940	GR	KAFB-ST219-10-2022	Soil	3				1	1	1		
	1015	GR	KAFB-ST219-10-3034	Soil	3				1	1	1		
	1015	GR	KAFB-ST219-99-3034	Soil	3				1	1	1		
	1105	GR	KAFB-ST219-10-4042	Soil	3				1	1	1		
	1135	GR	KAFB-ST219-10-5052	Soil	3				1	1	1		
	1205	GR	KAFB-ST219-10-6062	Soil	3				1	1	1		
	1242	GR	KAFB-ST219-10-7072	Soil	3				1	1	1		
	1320	GR	KAFB-ST219-10-8082	Soil	3				1	1	1		
	1355	GR	KAFB-ST219-10-9092	Soil	3				1	1	1		
	1415	GR	KAFB-ST219-10-10102	Soil	3				1	1	1		

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
[signature]	072394 1645	FED EX AIR BILL # 825222525713	072394 1645
Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
Relinquished by (Signature)	Date/Time	Received by (Signature) [signature]	Date/Time

Remarks: COOLER CONTAINS DRY ICE

CEIMIC Corporation 10 Dean Knauss Drive, Narragansett RI 02882 (401) 782-8900 FAX (401) 782-8905

CHAIN OF CUSTODY

Original Chain of Custody goes to Laboratory

Proj. #: KAFB

Project name: KIRTLAND AIR FORCE BASE

Samplers (Please print): STEVE CAMP

DATE	Time	Comp. / Grab.	Sample Identification	Sample Matrix	Number of containers	40 ml VOA VOA	TPH purgeables 1000 ml Amber	TPH extractables 500 ml plastic metals Hg, Pb	6" Brass Tube 8240 8270	TPH purg & extract 6" Brass Tube metals Hg, Pb	Moisture 6" Brass Tube TCLP metals ignitability			Remarks
072594	0645	GR	KAFB-EB-219-072594 ~~KAFB-ST219-11~~ (SC)	H_2O	4	2	1	1						
	0700	GR	KAFB-TB-01-072594	H_2O	2	2								
	1007	GR	KAFB-ST219-11-1012	SOIL	2				1	1				
	1028	GR	KAFB-ST219-11-2024	SOIL	3				1	1	1			
	1028	GR	KAFB-ST219-99-2024	SOIL	3				1	1	1			
	1100	GR	KAFB-ST219-11-3034	SOIL	6				2	2	2			INCLUDES MS/MSD
	1150	GR	KAFB-ST219-11-4042	SOIL	3				1	1	1			
	1220	GR	KAFB-ST219-11-5052	SOIL	3				1	1	1			
	1245	GR	KAFB-ST219-11-6062	SOIL	3				1	1	1			
	1310	GR	KAFB-ST219-11-7072	SOIL	3				1	1	1			
	1335	GR	KAFB-ST219-11-8082	SOIL	3				1	1	1			
	1415	GR	KAFB-ST219-99-9094	SOIL	3				1	1	1			
↓	1435	GR	KAFB-ST219-11-9094	SOIL	3				1	1	1			
~~—~~		~~GR~~	~~KAFB-ST219-11-100~~	~~SOIL~~	(SC)									

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time	Remarks:
[signature]	072594 1730	FED EX AIR BILL # 0252225724	072594 1730	
Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time	
Relinquished by (Signature)	Date/Time	Received by (Signature) M. McHarvey	7/26/94 1700	

0662

CHAIN OF CUSTODY

Original Chain of Custody goes to Laboratory

Page 1 of 1

Proj. #	Project name	Sample Matrix	Number of containers	Analyses								Remarks
2A5E	KIRTLAND AIR FORCE BASE			40 ml VOA	TPH gasoline 1650 ml Amber	SVOC TPH extract. 500 ml Plastic	Metals, High pH	1" Brass Tube 8240, 8270	TPH Purge & extract. 1" Brass Tube	Metals, High pH 1" Brass Tube	TCLP Metals Ignitability	
Samplers (Please print)												
STEVE CAMP												
DATE / Time / Comp. Grab. / Sample Identification												
072694 1500 GR KAFB-TB-01-072694		H_2O	2	2								
072694 1330 GR KAFB-EB-219-072694		H_2O	4	2	1	1						
072694 1535 GR KAFB-ST219-11-100102		Soil	3					1	1	1		
~~072794~~												

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time	Remarks:
[illegible]	7/27/94 0950	[illegible]	[illegible]	
Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time	
Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time 7/28/94 10:15	

CEIMIC Corporation 10 Dean Knauss Drive, Narragansett RI 02882 (401) 782-8900 FAX (401) 782-8905

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CHAIN OF USTODY

Original Chain of Custody goes to Laboratory

Page 1 of 1

Proj. #	Project name	Sample Matrix	Number of containers	Analyses									Remarks
2456	KIRTLAND AIR FORCE BASE			40 ml VOA TPH gasoline	1000 ml 5 vial Aniline TPH extractable	500 ml Plastic Metals, Hg, pH	1 l Brass Tube 8240, 8270 TPH gasoline extract	6" Brass Tube metals, Hg, pH moisture	6" Brass Tube TCLP Metals Ignitability				
Samplers (Please print)													
STEVE CAMP/RACHEL LAYMAN													
DATE	Time	Comp. / Grab.	Sample Identification										
072794	0720	GR	KAFB-EB-219-072794	H2O	4	2	1	1					1
072794	0720	GR	KAFB-TB-01-072794	H2O	2	2							
7-7-94	0900	GR	KAFB-SED-12-1012	soil	3				1	1	1		
072794	1120	GR	KAFB-SED-12-2022	soil	3				1	1	1		
72794	1350	GR	KAFB-SED-12-3032	soil	3				1	1	1		
072794	1045	GR	KAFB-SED-12-4044 (DUP)	soil	3				1	1	1		
7-7-94	1045	GR	KAFB-SED-11-4044	soil	3				1	1	1		
7-7-94	1125	GR	KAFB-SED-12-3054	soil	6				2	2	2		MS/MSD
7-7-94	1150	GR	KAFB-SED-12-6062	soil	3				1	1	1		
072794	1210	GR	KAFB-SED-12-7072	soil	3				1	1	1		
7-7-94	1420	GR	KAFB-SED-12-8082	soil	3				1	1	1		
7-7-94	1430	GR	KAFB-SED-12-1012	soil	3				1	1	1		
7-7-94	1510	GR	KAFB-SED-12-1012	soil	3				1	1	1		

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[illegible]	7-7-94 1945	[illegible] Airbill No. 0252257515		
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Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time	

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CHAIN OF CUSTODY

Original Chain of Custody goes to Laboratory

Page 1 of 1

Proj. #	Project name															
2A5K	KIRTLAND AIR FORCE BASE															
Samplers (Please print)																
STEVE CAMP																
DATE	Time	Comp. / Grab.	Sample Identification	Sample Matrix	Number of containers	Analyses: 40 ml VOA	Analyses: 1000 ml AMBER SVOC	Analyses: 500 ml AMBER Metals, Hg, PAH	Analyses: 8 oz Glass Jar TCLP VOC, TCLP SVOC	Analyses: 202 Glass Jar TCLP METALS ICP					Remarks
072794	1615	GR	KAFB-EB-DC-072794	H2O	4	2	1	1							
072794	1615	GR	KAFB-TB-02-072794	H2O	2	2									
072794	0130	Comp	KAFB-ST219-07-DC	Soil	2				1	1					
	0410	Comp	KAFB-ST210-12-DC	Soil	2				1	1					
	0450	Comp	KAFB-ST266-07-DC	Soil	2				1	1					
	1110	Comp	KAFB-ST219-09-DC	Soil	2				1	1					
	1125	Comp	KAFB-ST251-03-DC	Soil	2				1	1					
	1410	Comp	KAFB-ST219-10-DC	Soil	2				1	1					
	1450	Comp	KAFB-ST266-09-DC	Soil	2				1	1					
	1500	Comp	KAFB-ST266-06-DC	Soil	2				1	1					

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time	Remarks:
Steve Camp	072794 1730	FED EX AIR BILL # 025222575946	072794 1130	PLEASE RETURN BLUE ICE — THANKS —
Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time	
Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time	

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U644

CHAIN OF CUSTODY

Original Chain of Custody goes to Laboratory

Page 1 of 1

Proj. #	Project name	Sample Matrix	Number of containers	Analyses									Remarks
2456	KIRTLAND AIR FORCE BASE												
Samplers (Please print)													
STEVE CAMP													
DATE	Time	Comp. / Grab	Sample Identification										
2/25/14	0945	G	LAFB-TP-01 [illegible] 14	W	2								
2/25/14	1110	G	LAFB-SB-01-11-12 DUP	Soil	2		1	1					
2/25/14	0945	G	LAFB-SB-01-11-12 DUP	Soil	2		1	1					

Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time	Remarks:
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Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time	
Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time	

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COC # 081694-1A

KAFB COC # 000A

CHAIN OF CUSTODY

Original Chain of Custody goes to Laboratory

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Page 1 of 1

Proj. # 2156

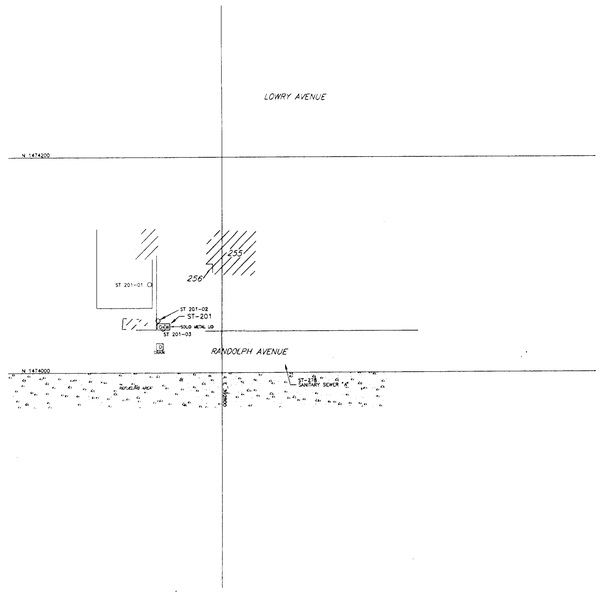
Project name: KIRTLAND AIR FORCE BASE

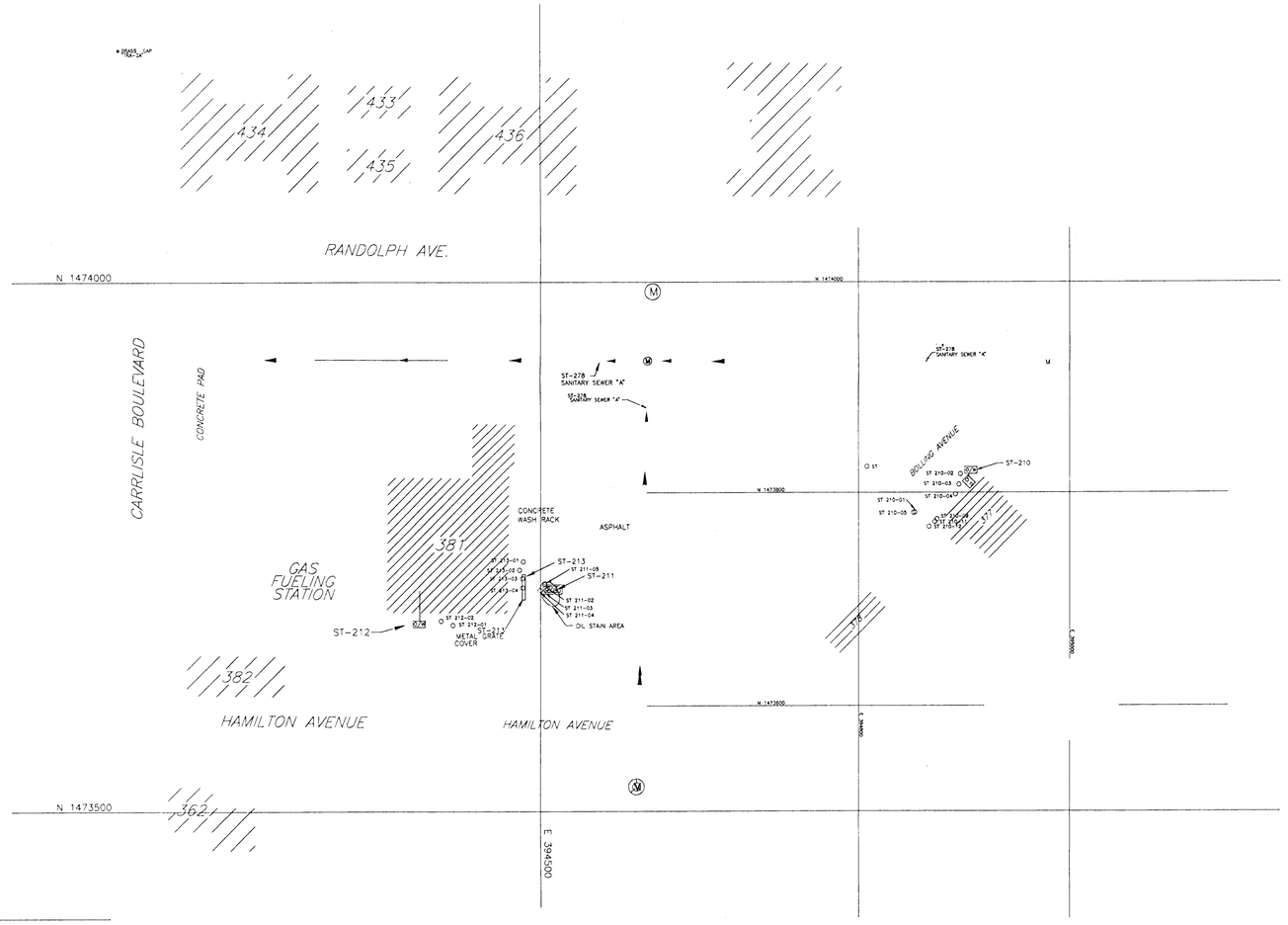
Samplers (Please print): STEVE CAMP

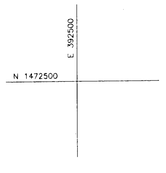
DATE	Time	Comp. / Grab.	Sample Identification	Sample Matrix	Number of containers	40 ml VOA	500 ml Amber FORMALDEHYDE	500 ml Plastic FLUORIDE	500 ml Plastic METALS, pH, IGNITABILITY	1000 ml Amber SVOA	1000 ml Amber PCB PESTICIDES	TOTAL ORGANIC HALOGENS 1000 ml Amber OIL & GREASE		Remarks
8-16-94	1130	GR	KAFB-DF-366-081694	H2O	8	2	1	1	1	1	1	1		
8-16-94	1140	GR	KAFB-DF-214-081694	H2O	8	2	1	1	1	1	1	1		

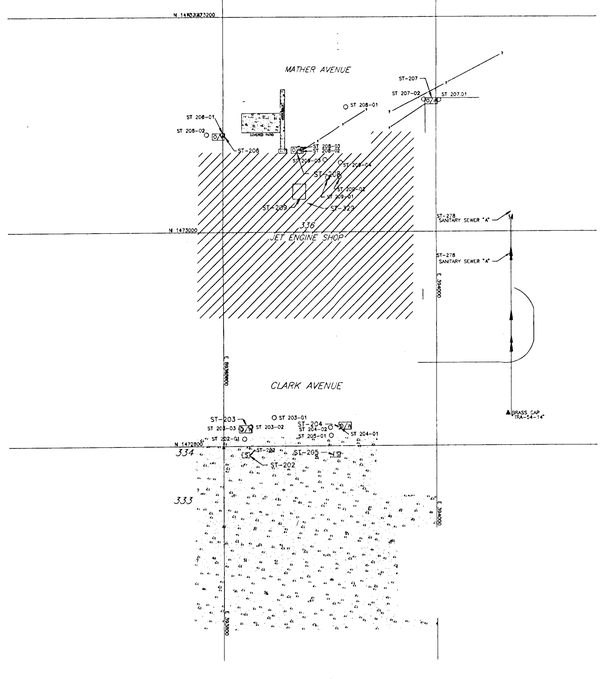
Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
[signature]	081694 1330	FEDEX AIR BILL # 0252215820	081694 1330
Relinquished by (Signature)	Date/Time	Received by (Signature)	Date/Time
Relinquished by (Signature)	Date/Time	Received by (Signature) M. McGarry	Date/Time 1030 8/17/94

Remarks:









NOTES:

1) Coordinates are grid coordinates based on New Mexico State Plane Coordinate System, Central Zone (NAD 27).

2) Elevations are 1929 SLD elevations.

LEGEND:

O BOREHOLE LOCATION

CONTROL POINTS:

CP – "TRA-2A"	3	1474217.2482	394101.1182	5317.90
CP – "TRA-54-14"	8	1472829.2604	394066.6401	5317.73
CP – "TRI.NO.6"	13	1473076.3904	400522.1301	5335.61
CP – "FW-21"	25	1474948.1104	409188.8201	5394.63
CP – "FW-18"	33	1473338.7393	408418.4226	5387.50
CP – "FW-27"	38	1472903.9828	410179.8290	5401.43
"MB-2"	41	1455741.8204	420546.5801	0.00
CP – "KAFB-2"	44	1472360.8476	405445.4608	5365.54
CP – WORKMAN	51	1442765.9804	425767.6701	5690.94
CP – "T-54"	52	1444832.8704	425526.0201	0.00
CP – "T-336"	56	1458346.8311	418280.5803	5439.13
CP – "FW-45"	58	1478013.3504	409272.7201	5390.21
CP – "T-30"	61	1463019.2537	431445.6416	6319.51
CP – "T-21"	62	1464980.9904	432312.6601	6366.72
"GEB-4-54"	121	1462186.8204	431495.1001	6288.89

SKETCH OF SAMPLING LOCATIONS
KIRTLAND AIR FORCE BASE
ALBUQUERQUE, NEW MEXICO

ALBUQUERQUE SURVEYING CO., INC.
2119 MENAUL BOULEVARD, N.E.
ALBUQUERQUE, NEW MEXICO 87107
PH. (505) 884-2036 FAX (505) 884-3796

SHEET NO.: 1 OF 8

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N 1476200

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ST-278
SANITARY SEWER "A"

ABERDEEN AVENUE

ABERDEEN AVENUE

ST-219

N 1475000

ST-217

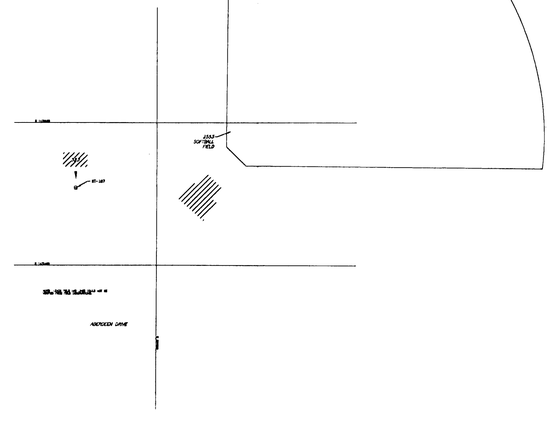
482

481

PARKING APRON

E 396000

E 395500



SKETCH OF SAMPLING LOCATIONS
KIRTLAND AIR FORCE BASE
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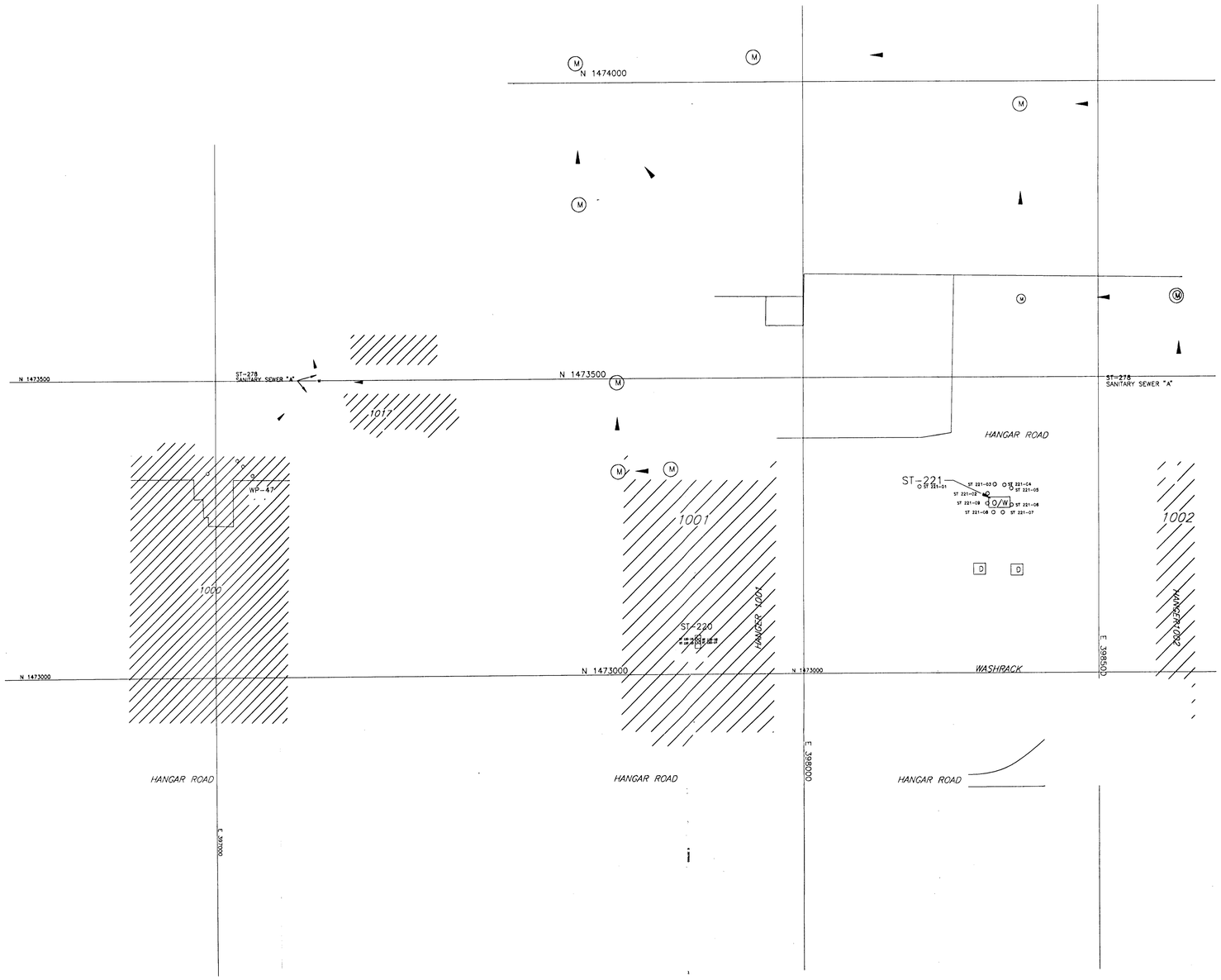

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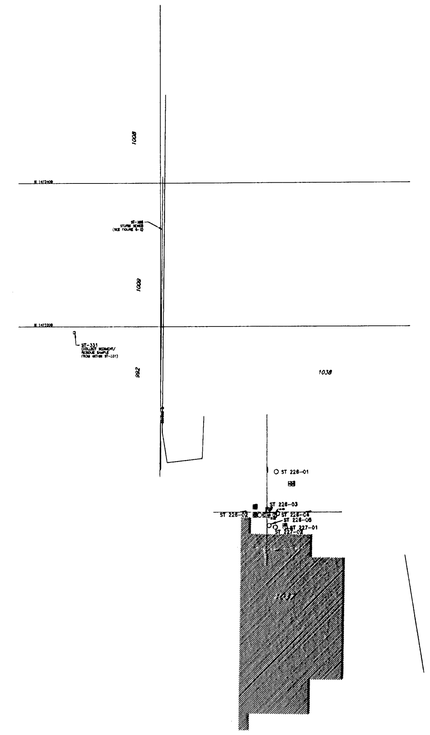

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SKETCH OF SAMPLING LOCATIONS
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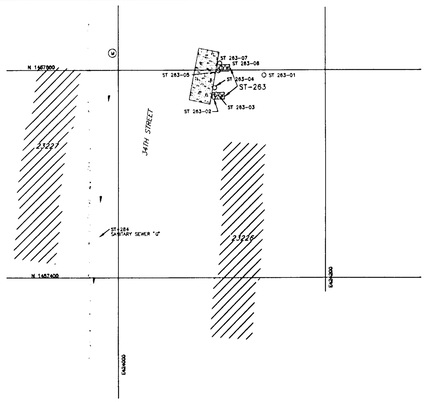

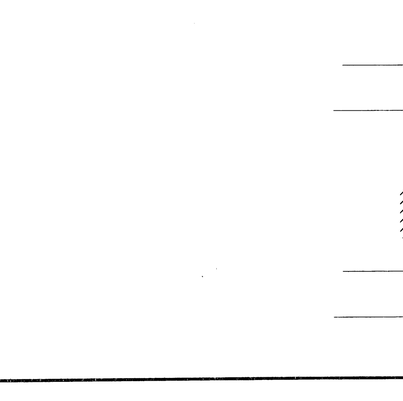

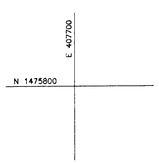

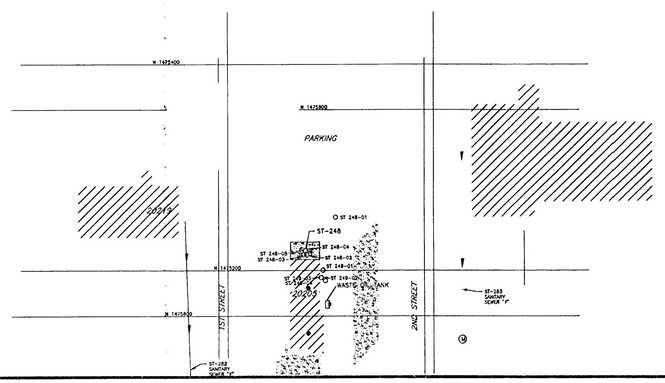

SKETCH OF SAMPLING LOCATIONS
KIRTLAND AIR FORCE BASE
ALBUQUERQUE, NEW MEXICO

ALBUQUERQUE SURVEYING CO., INC.
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ALBUQUERQUE, NEW MEXICO 87107
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SHEET NO.: 5 OF 8

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TEXAS STREET

3RD STREET

3RD STREET

N 1473800

N 1473600

N 1472800

N 1472600

N 1472400

N 1472200

E 407600

FLAMMABLE PAINT STORAGE BUILDING

VEHICLE MAINTENANCE

ASPHALT

SAND VOLLEY BALL COURT

ST-253

ST 253-02

ST 253-01

ST 252-03

ST 252-01

ST-252

ST-251

ST 251-01

ST 251-04

ST 251-05

ST 251-03

ST-250

ST 250-01

ST 250-02

ST-281
SANITARY SEWER "D"

ST-283
SANITARY SEWER "D"

ST 254-01

ST 254-03

ST 254-04

ST 254-02

ST 254-05

ST-258

ST 258-01

ST 258-02

ST-257

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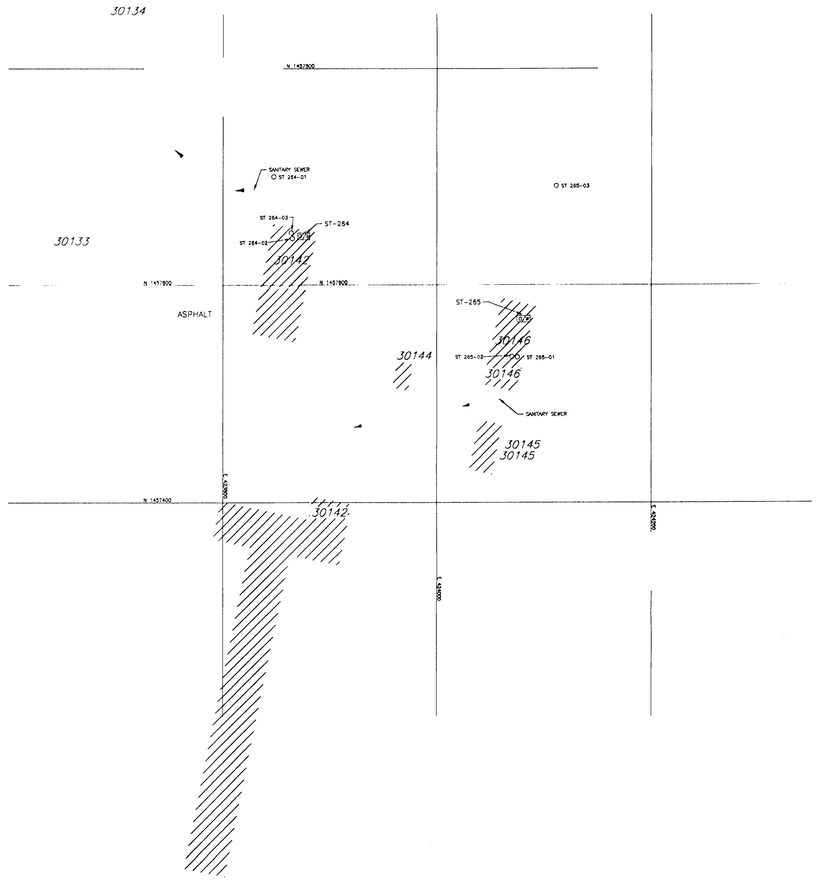

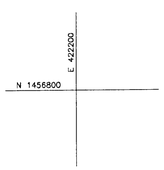

▲ BRASS CAP "NO-2"

SKETCH OF SAMPLING LOCATIONS
KIRTLAND AIR FORCE BASE
ALBUQUERQUE, NEW MEXICO

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2119 MENAUL BOULEVARD, N.E.
ALBUQUERQUE, NEW MEXICO 87107
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SHEET NO.: 7 OF 8

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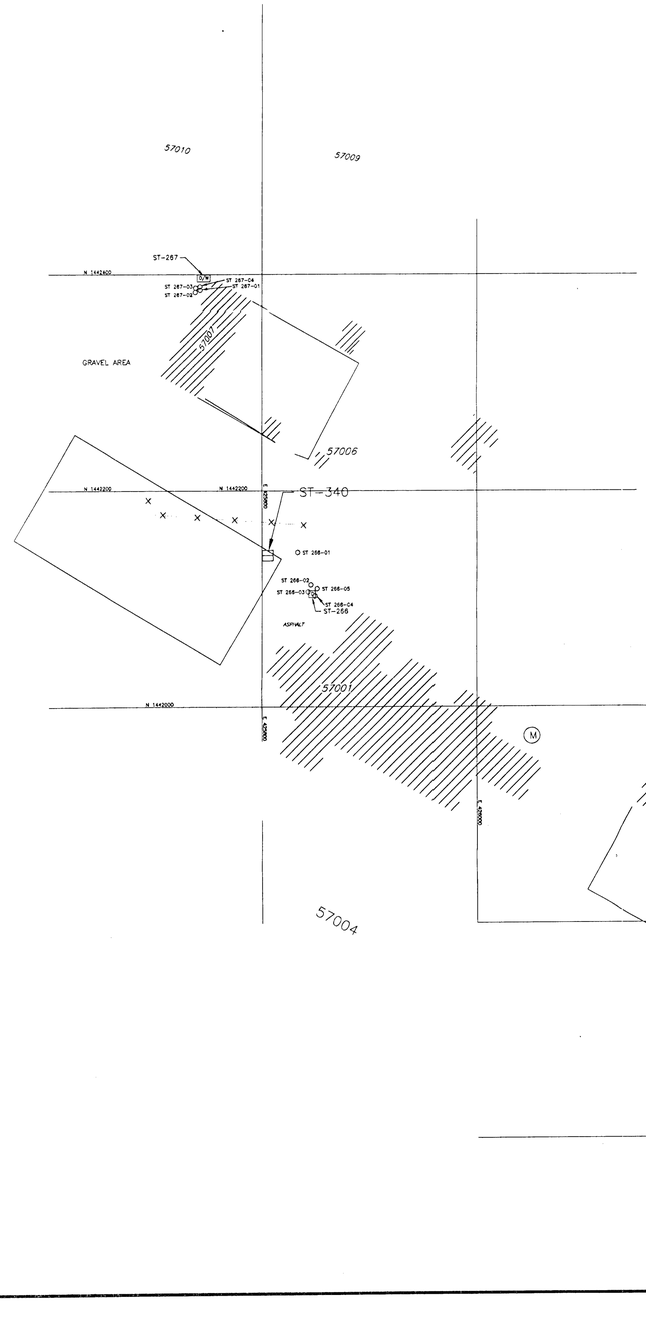

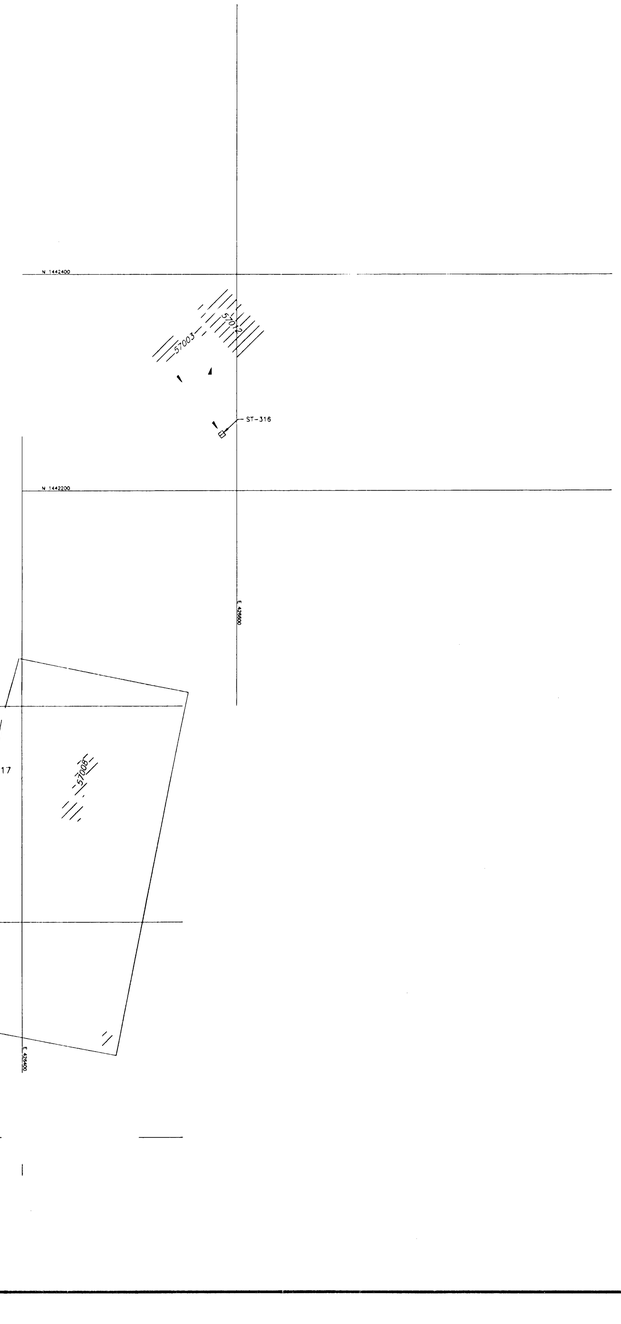

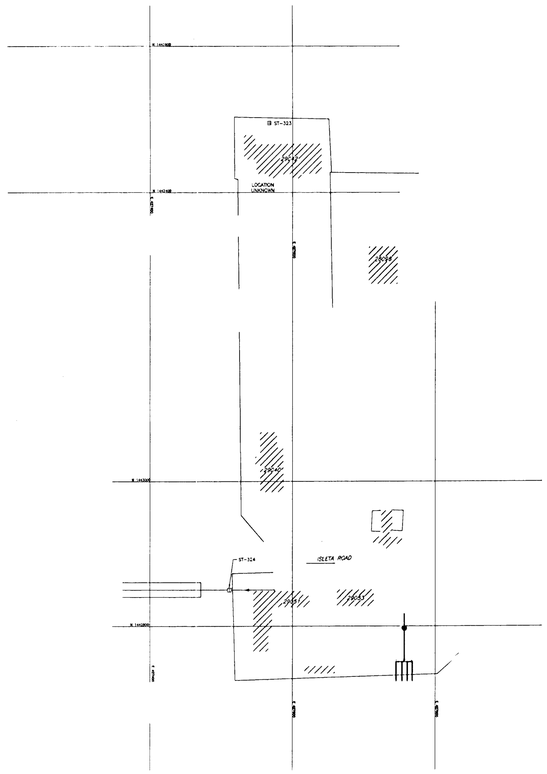

SKETCH OF SAMPLING LOCATIONS
KIRTLAND AIR FORCE BASE
ALBUQUERQUE, NEW MEXICO

ALBUQUERQUE SURVEYING CO., INC.
2119 MENAUL BOULEVARD, N.E.
ALBUQUERQUE, NEW MEXICO 87107
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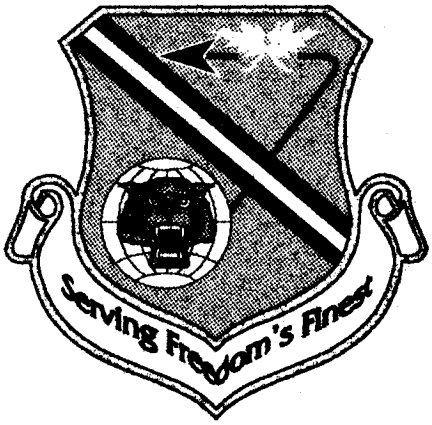
AR Doc # 3071
SRS, 9-27-08
FILE

Kirtland Air Force Base
Albuquerque, New Mexico

RCRA Facility Investigation (RFI)
Stage 2B

Appendix G - Volume I of V

FINAL DRAFT - December 8, 1994



377 ABW/EMR
2000 Wyoming Blvd SE
Kirtland AFB, New Mexico 87117-5659

Kirtland Air Force Base
Albuquerque, New Mexico

FILE

RCRA Facility Investigation (RFI)
Stage 2B

Appendix G - Volume I of V

FINAL DRAFT - December 8, 1994

377 ABW/EMR
2000 Wyoming Blvd SE
Kirtland AFB, New Mexico 87117-5659

LIST OF APPENDICES

Appendix A USAF Statement of Work

Appendix B Biographies of Key Personnel

Appendix C Soil Boring Logs

Appendix D Field Data

Appendix E Surveying Data

Appendix F Chain-of-Custody Forms

Appendix G Analytical Data (**Volumes I**, II, III, IV, and V)

Appendix H Risk Calculations

Appendix I Correspondence with Federal, State, and Local Government Agencies

Appendix J Data from Previous Investigations

Appendix K Analytical Data Quality Assurance and Quality Control

- K.1 Laboratory Quality Control - Sample Acceptance Criteria and Instrument Detection Limit
  - K.1.a Ceimic Laboratory QC
  - K.1.b NUS Laboratory QC
- K.2 Field Equipment Calibration Logs
- K.3 Data Validation Memos
- K.4 Case Narratives

Appendix L Quality Assurance and Quality Control for Production of Documents

APPENDIX G

Appendix G is divided into two sections:

- ***Section 1—Sample Identification Cross-Reference Table.*** Data in this table allow correlation of Quality Control samples with specific environmental samples. It also contains data that link specific field Quality Control samples (trip blanks, equipment blanks, and ambient condition blanks) with specified environmental samples. This section appears in Volume 1 of 5 of Appendix G.

- ***Section 2—Analytical Data Summary.*** This section lists the sample results from each site, analytical method, and sample matrix. This table also includes information about any data which were qualified during the data validation procedures. This section appears in Volumes 2 through 5 of Appendix G.

KIRTLAND AFB - SAMPLE IDENTIFICATION (ID) CROSS-REFERENCE

Site	Field ID	Fld Lot	Lab ID	Lab Lot	Sample Description	Page
ST-201	KAFB-201-01-0608	011A			Normal Environmental Sample #1	4
ST-201	KAFB-201-01-0608	011A	0347900005SA	034790	Normal Environmental Sample #1	1
ST-201	KAFB-201-01-0608	011A	0347900005SA	940425D	Normal Environmental Sample #1	6
ST-201	KAFB-201-01-0608	011A	P269528	25296	Normal Environmental Sample #1	9
ST-201	KAFB-201-01-0608	011A	P269528	25331	Normal Environmental Sample #1	7
ST-201	KAFB-201-01-0608	011A	P269528	25331	Normal Environmental Sample #1	8
ST-201	KAFB-201-01-0608	011A	P269528	25360	Normal Environmental Sample #1	5
ST-201	KAFB-201-01-0608	011A	P269528	25579	Normal Environmental Sample #1	3
ST-201	KAFB-201-01-0608	011A	P269529	25370	Normal Environmental Sample #1	2
ST-201	KAFB-201-01-1113	011A			Normal Environmental Sample #1	4
ST-201	KAFB-201-01-1113	011A	0347900009SA	034790	Normal Environmental Sample #1	1
ST-201	KAFB-201-01-1113	011A	0347900009SA	940425D	Normal Environmental Sample #1	6
ST-201	KAFB-201-01-1113	011A	P269529	25296	Normal Environmental Sample #1	9
ST-201	KAFB-201-01-1113	011A	P269529	25331	Normal Environmental Sample #1	7
ST-201	KAFB-201-01-1113	011A	P269529	25331	Normal Environmental Sample #1	8
ST-201	KAFB-201-01-1113	011A	P269529	25360	Normal Environmental Sample #1	5
ST-201	KAFB-201-01-1113	011A	P269529	25370	Normal Environmental Sample #1	2
ST-201	KAFB-201-01-1113	011A	P269529	25769	Normal Environmental Sample #1	3
ST-201	KAFB-201-02-0608	011A			Normal Environmental Sample #1	13
ST-201	KAFB-201-02-0608	011A	0347900012SA	034790	Normal Environmental Sample #1	10
ST-201	KAFB-201-02-0608	011A	0347900012SA	940425D	Normal Environmental Sample #1	15
ST-201	KAFB-201-02-0608	011A	P269620	25326	Normal Environmental Sample #1	18
ST-201	KAFB-201-02-0608	011A	P269620	25332	Normal Environmental Sample #1	16
ST-201	KAFB-201-02-0608	011A	P269620	25332	Normal Environmental Sample #1	17
ST-201	KAFB-201-02-0608	011A	P269620	25370	Normal Environmental Sample #1	11
ST-201	KAFB-201-02-0608	011A	P269620	25769	Normal Environmental Sample #1	12
ST-201	KAFB-201-02-0608	011A	P269620	26553	Normal Environmental Sample #1	14
ST-201	KAFB-201-02-1113	011A			Normal Environmental Sample #1	13
ST-201	KAFB-201-02-1113	011A	0347900013SA	034790	Normal Environmental Sample #1	10
ST-201	KAFB-201-02-1113	011A	0347900013SA	940425D	Normal Environmental Sample #1	15
ST-201	KAFB-201-02-1113	011A	P269621	25326	Normal Environmental Sample #1	18
ST-201	KAFB-201-02-1113	011A	P269621	25332	Normal Environmental Sample #1	16
ST-201	KAFB-201-02-1113	011A	P269621	25332	Normal Environmental Sample #1	17
ST-201	KAFB-201-02-1113	011A	P269621	25361	Normal Environmental Sample #1	14
ST-201	KAFB-201-02-1113	011A	P269621	25370	Normal Environmental Sample #1	11
ST-201	KAFB-201-02-1113	011A	P269621	25769	Normal Environmental Sample #1	12
ST-201	KAFB-201-03-0608	011A			Normal Environmental Sample #1	22
ST-201	KAFB-201-03-0608	011A	0347900014SA	034790	Normal Environmental Sample #1	19
ST-201	KAFB-201-03-0608	011A	0347900014SA	940425D	Normal Environmental Sample #1	24
ST-201	KAFB-201-03-0608	011A	P269622	25326	Normal Environmental Sample #1	27
ST-201	KAFB-201-03-0608	011A	P269622	25332	Normal Environmental Sample #1	25
ST-201	KAFB-201-03-0608	011A	P269622	25332	Normal Environmental Sample #1	26
ST-201	KAFB-201-03-0608	011A	P269622	25370	Normal Environmental Sample #1	20
ST-201	KAFB-201-03-0608	011A	P269622	25769	Normal Environmental Sample #1	21
ST-201	KAFB-201-03-0608	011A	P269622	26551	Normal Environmental Sample #1	23
ST-201	KAFB-201-03-1113	011A			Normal Environmental Sample #1	22
ST-201	KAFB-201-03-1113	011A	0347900015SA	034790	Normal Environmental Sample #1	19
ST-201	KAFB-201-03-1113	011A	0347900015SA	940425D	Normal Environmental Sample #1	24
ST-201	KAFB-201-03-1113	011A	P269623	25326	Normal Environmental Sample #1	27
ST-201	KAFB-201-03-1113	011A	P269623	25332	Normal Environmental Sample #1	25
ST-201	KAFB-201-03-1113	011A	P269623	25332	Normal Environmental Sample #1	26
ST-201	KAFB-201-03-1113	011A	P269623	25361	Normal Environmental Sample #1	23

KIRTLAND AFB - SAMPLE IDENTIFICATION (ID) CROSS-REFERENCE

Site	Field ID	Fld Lot	Lab ID	Lab Lot	Sample Description	Page
ST-201	KAFB-201-03-1113	011A	P269623	25370	Normal Environmental Sample #1	20
ST-201	KAFB-201-03-1113	011A	P269623	25769	Normal Environmental Sample #1	21
ST-201	KAFB-EB-201-041394	011A	0347900011EB	940425D	Equipment Blank #1	15
ST-201	KAFB-EB-201-041394	011A	0347900011EB	940425D	Equipment Blank #1	24
ST-201	KAFB-EB-201-041394	011A	P269619	25311	Equipment Blank #1	16
ST-201	KAFB-EB-201-041394	011A	P269619	25311	Equipment Blank #1	17
ST-201	KAFB-EB-201-041394	011A	P269619	25311	Equipment Blank #1	25
ST-201	KAFB-EB-201-041394	011A	P269619	25311	Equipment Blank #1	26
ST-201	KAFB-EB-201-041394	011A	P269619	25312	Equipment Blank #1	14
ST-201	KAFB-EB-201-041394	011A	P269619	25312	Equipment Blank #1	23
ST-201	KAFB-EB-201-041394	011A	P269619	25348	Equipment Blank #1	11
ST-201	KAFB-EB-201-041394	011A	P269619	25348	Equipment Blank #1	20
ST-201	KAFB-EB-201-041394	011A	P269619	25410	Equipment Blank #1	12
ST-201	KAFB-EB-201-041394	011A	P269619	25410	Equipment Blank #1	21
ST-201	KAFB-EB-201-041394	011A	P269619	26552	Equipment Blank #1	13
ST-201	KAFB-EB-201-041394	011A	P269619	26552	Equipment Blank #1	22
ST-201	KAFB-EB-204-041294	011A	0347900002EB	940425D	Equipment Blank #1	6
ST-201	KAFB-EB-204-041294	011A	P269522	25280	Equipment Blank #1	5
ST-201	KAFB-EB-204-041294	011A	P269522	25281	Equipment Blank #1	7
ST-201	KAFB-EB-204-041294	011A	P269522	25281	Equipment Blank #1	8
ST-201	KAFB-EB-204-041294	011A	P269522	25290	Equipment Blank #1	2
ST-201	KAFB-EB-204-041294	011A	P269522	25410	Equipment Blank #1	3
ST-201	KAFB-EB-204-041294	011A	P269522	26520	Equipment Blank #1	4
ST-201	KAFB-TB-01-041294	011A	0347900001TB	940425D	Trip Blank #1	6
ST-201	KAFB-TB-01-041394	011A	0347900010TB	940425D	Trip Blank #1	15
ST-201	KAFB-TB-01-041394	011A	0347900010TB	940425D	Trip Blank #1	24
ST-202	KAFB-202-01-0710	011A			Normal Environmental Sample #1	29
ST-202	KAFB-202-01-0710	011A			Normal Environmental Sample #1	31
ST-202	KAFB-202-01-0710	011A	?????????		Normal Environmental Sample #1	29
ST-202	KAFB-202-01-0710	011A	P269511	25296	Normal Environmental Sample #1	36
ST-202	KAFB-202-01-0710	011A	P269511	25331	Normal Environmental Sample #1	34
ST-202	KAFB-202-01-0710	011A	P269511	25331	Normal Environmental Sample #1	35
ST-202	KAFB-202-01-0710	011A	P269511	25360	Normal Environmental Sample #1	32
ST-202	KAFB-202-01-0710	011A	P269511	25390	Normal Environmental Sample #1	28
ST-202	KAFB-202-01-0710	011A	P269511	25578	Normal Environmental Sample #1	30
ST-202	KAFB-202-01-0710	011A	P269511	26444	Normal Environmental Sample #1	33
ST-202	KAFB-202-01-1214	011A			Normal Environmental Sample #1	31
ST-202	KAFB-202-01-1214	011A	?????????		Normal Environmental Sample #1	29
ST-202	KAFB-202-01-1214	011A	P269512	25296	Normal Environmental Sample #1	36
ST-202	KAFB-202-01-1214	011A	P269512	25331	Normal Environmental Sample #1	34
ST-202	KAFB-202-01-1214	011A	P269512	25331	Normal Environmental Sample #1	35
ST-202	KAFB-202-01-1214	011A	P269512	25360	Normal Environmental Sample #1	32
ST-202	KAFB-202-01-1214	011A	P269512	25390	Normal Environmental Sample #1	28
ST-202	KAFB-202-01-1214	011A	P269512	25578	Normal Environmental Sample #1	30
ST-202	KAFB-202-01-1214	011A	P269512	26444	Normal Environmental Sample #1	33
ST-202	KAFB-EB-202-041194	011A	P269520	25280	Equipment Blank #1	32
ST-202	KAFB-EB-202-041194	011A	P269520	25281	Equipment Blank #1	34
ST-202	KAFB-EB-202-041194	011A	P269520	25281	Equipment Blank #1	35
ST-202	KAFB-EB-202-041194	011A	P269520	25290	Equipment Blank #1	29
ST-202	KAFB-EB-202-041194	011A	P269520	25410	Equipment Blank #1	30
ST-202	KAFB-EB-202-041194	011A	P269520	26146	Equipment Blank #1	31
ST-202	KAFB-EB-202-041194	011A	P269520	26444	Equipment Blank #1	33

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Site	Field ID	Fld Lot	Lab ID	Lab Lot	Sample Description	Page
ST-202	KAFB-TB-01-041194	011A	P269519	26444	Trip Blank #1	33
ST-203	KAFB-203-01-0608	111A			Normal Environmental Sample #1	40
ST-203	KAFB-203-01-0608	111A	0347920016SA	034792	Normal Environmental Sample #1	37
ST-203	KAFB-203-01-0608	111A	0347920016SA	940420D	Normal Environmental Sample #1	42
ST-203	KAFB-203-01-0608	111A	P269382	25146	Normal Environmental Sample #1	43
ST-203	KAFB-203-01-0608	111A	P269382	25146	Normal Environmental Sample #1	44
ST-203	KAFB-203-01-0608	111A	P269382	25147	Normal Environmental Sample #1	41
ST-203	KAFB-203-01-0608	111A	P269382	25190	Normal Environmental Sample #1	45
ST-203	KAFB-203-01-0608	111A	P269382	25265	Normal Environmental Sample #1	38
ST-203	KAFB-203-01-0608	111A	P269382	25578	Normal Environmental Sample #1	39
ST-203	KAFB-203-01-1115	111A			Normal Environmental Sample #1	40
ST-203	KAFB-203-01-1115	111A	0347920011FD	034792	Normal Environmental Sample #1	37
ST-203	KAFB-203-01-1115	111A	0347920011FD	940419D	Normal Environmental Sample #1	42
ST-203	KAFB-203-01-1115	111A	P269383	25146	Normal Environmental Sample #1	43
ST-203	KAFB-203-01-1115	111A	P269383	25146	Normal Environmental Sample #1	44
ST-203	KAFB-203-01-1115	111A	P269383	25147	Normal Environmental Sample #1	41
ST-203	KAFB-203-01-1115	111A	P269383	25190	Normal Environmental Sample #1	45
ST-203	KAFB-203-01-1115	111A	P269383	25265	Normal Environmental Sample #1	38
ST-203	KAFB-203-01-1115	111A	P269383	25578	Normal Environmental Sample #1	39
ST-203	KAFB-203-02-0608	011A			Normal Environmental Sample #1	49
ST-203	KAFB-203-02-0608	011A	P269513	25296	Normal Environmental Sample #1	54
ST-203	KAFB-203-02-0608	011A	P269513	25303	Normal Environmental Sample #1	47
ST-203	KAFB-203-02-0608	011A	P269513	25331	Normal Environmental Sample #1	52
ST-203	KAFB-203-02-0608	011A	P269513	25331	Normal Environmental Sample #1	53
ST-203	KAFB-203-02-0608	011A	P269513	25360	Normal Environmental Sample #1	50
ST-203	KAFB-203-02-0608	011A	P269513	25390	Normal Environmental Sample #1	46
ST-203	KAFB-203-02-0608	011A	P269513	25578	Normal Environmental Sample #1	48
ST-203	KAFB-203-02-0608	011A	P269513	26445	Normal Environmental Sample #1	51
ST-203	KAFB-203-02-1113	011A			Normal Environmental Sample #1	49
ST-203	KAFB-203-02-1113	011A	P269514	25296	Normal Environmental Sample #1	54
ST-203	KAFB-203-02-1113	011A	P269514	25303	Normal Environmental Sample #1	47
ST-203	KAFB-203-02-1113	011A	P269514	25331	Normal Environmental Sample #1	52
ST-203	KAFB-203-02-1113	011A	P269514	25331	Normal Environmental Sample #1	53
ST-203	KAFB-203-02-1113	011A	P269514	25360	Normal Environmental Sample #1	50
ST-203	KAFB-203-02-1113	011A	P269514	25390	Normal Environmental Sample #1	46
ST-203	KAFB-203-02-1113	011A	P269514	25578	Normal Environmental Sample #1	48
ST-203	KAFB-203-02-1113	011A	P269514	26445	Normal Environmental Sample #1	51
ST-203	KAFB-203-03-0710	011A			Normal Environmental Sample #1	58
ST-203	KAFB-203-03-0710	011A	P269515	25296	Normal Environmental Sample #1	63
ST-203	KAFB-203-03-0710	011A	P269515	25303	Normal Environmental Sample #1	56
ST-203	KAFB-203-03-0710	011A	P269515	25331	Normal Environmental Sample #1	61
ST-203	KAFB-203-03-0710	011A	P269515	25331	Normal Environmental Sample #1	62
ST-203	KAFB-203-03-0710	011A	P269515	25360	Normal Environmental Sample #1	59
ST-203	KAFB-203-03-0710	011A	P269515	25390	Normal Environmental Sample #1	55
ST-203	KAFB-203-03-0710	011A	P269515	25578	Normal Environmental Sample #1	57
ST-203	KAFB-203-03-0710	011A	P269515	26445	Normal Environmental Sample #1	60
ST-203	KAFB-203-03-1113	011A			Normal Environmental Sample #1	58
ST-203	KAFB-203-03-1113	011A	P269516	25296	Normal Environmental Sample #1	63
ST-203	KAFB-203-03-1113	011A	P269516	25303	Normal Environmental Sample #1	56
ST-203	KAFB-203-03-1113	011A	P269516	25331	Normal Environmental Sample #1	61
ST-203	KAFB-203-03-1113	011A	P269516	25331	Normal Environmental Sample #1	62
ST-203	KAFB-203-03-1113	011A	P269516	25360	Normal Environmental Sample #1	59

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Site	Field ID	Fld Lot	Lab ID	Lab Lot	Sample Description	Page
ST-203	KAFB-203-03-1113	011A	P269516	25390	Normal Environmental Sample #1	55
ST-203	KAFB-203-03-1113	011A	P269516	25579	Normal Environmental Sample #1	57
ST-203	KAFB-203-03-1113	011A	P269516	26445	Normal Environmental Sample #1	60
ST-203	KAFB-203-99-1115	111A			Field Replicate #1	40
ST-203	KAFB-203-99-1115	111A	0347920011FD	034792	Field Replicate #1	37
ST-203	KAFB-203-99-1115	111A	0347920011FD	940419D	Field Replicate #1	42
ST-203	KAFB-203-99-1115	111A	P269383	25146	Field Replicate #1	43
ST-203	KAFB-203-99-1115	111A	P269383	25146	Field Replicate #1	44
ST-203	KAFB-203-99-1115	111A	P269383	25147	Field Replicate #1	41
ST-203	KAFB-203-99-1115	111A	P269383	25190	Field Replicate #1	45
ST-203	KAFB-203-99-1115	111A	P269383	25265	Field Replicate #1	38
ST-203	KAFB-203-99-1115	111A	P269383	25578	Field Replicate #1	39
ST-203	KAFB-AB-203-040794	111A	0347920019AB	940420D	Ambient Conditions Blank #1	42
ST-203	KAFB-EB-202-041194	011A	P269520	25280	Equipment Blank #1	50
ST-203	KAFB-EB-202-041194	011A	P269520	25280	Equipment Blank #1	59
ST-203	KAFB-EB-202-041194	011A	P269520	25281	Equipment Blank #1	52
ST-203	KAFB-EB-202-041194	011A	P269520	25281	Equipment Blank #1	53
ST-203	KAFB-EB-202-041194	011A	P269520	25281	Equipment Blank #1	61
ST-203	KAFB-EB-202-041194	011A	P269520	25281	Equipment Blank #1	62
ST-203	KAFB-EB-202-041194	011A	P269520	25290	Equipment Blank #1	47
ST-203	KAFB-EB-202-041194	011A	P269520	25290	Equipment Blank #1	56
ST-203	KAFB-EB-202-041194	011A	P269520	25410	Equipment Blank #1	48
ST-203	KAFB-EB-202-041194	011A	P269520	25410	Equipment Blank #1	57
ST-203	KAFB-EB-202-041194	011A	P269520	26146	Equipment Blank #1	49
ST-203	KAFB-EB-202-041194	011A	P269520	26146	Equipment Blank #1	58
ST-203	KAFB-EB-202-041194	011A	P269520	26444	Equipment Blank #1	51
ST-203	KAFB-EB-202-041194	011A	P269520	26444	Equipment Blank #1	60
ST-203	KAFB-EB-206-040794	111A	0347920020EB	940420D	Equipment Blank #1	42
ST-203	KAFB-EB-206-040794	111A	P269376	25155	Equipment Blank #1	43
ST-203	KAFB-EB-206-040794	111A	P269376	25155	Equipment Blank #1	44
ST-203	KAFB-EB-206-040794	111A	P269376	25156	Equipment Blank #1	41
ST-203	KAFB-EB-206-040794	111A	P269376	25274	Equipment Blank #1	39
ST-203	KAFB-EB-206-040794	111A	P269376	25290	Equipment Blank #1	38
ST-203	KAFB-EB-206-040794	111A	P269376	26428	Equipment Blank #1	40
ST-203	KAFB-TB-01-040794	111A	0347920021TB	940420D	Trip Blank #1	42
ST-203	KAFB-TB-01-041194	011A	P269519	26444	Trip Blank #1	51
ST-203	KAFB-TB-01-041194	011A	P269519	26444	Trip Blank #1	60
ST-204	KAFB-204-01-0608	011A			Normal Environmental Sample #1	65
ST-204	KAFB-204-01-0608	011A			Normal Environmental Sample #1	67
ST-204	KAFB-204-01-0608	011A	0347900007SA	034790	Normal Environmental Sample #1	64
ST-204	KAFB-204-01-0608	011A	0347900007SA	940425D	Normal Environmental Sample #1	69
ST-204	KAFB-204-01-0608	011A	?????????		Normal Environmental Sample #1	65
ST-204	KAFB-204-01-0608	011A	P269523	25296	Normal Environmental Sample #1	72
ST-204	KAFB-204-01-0608	011A	P269523	25331	Normal Environmental Sample #1	70
ST-204	KAFB-204-01-0608	011A	P269523	25331	Normal Environmental Sample #1	71
ST-204	KAFB-204-01-0608	011A	P269523	25360	Normal Environmental Sample #1	68
ST-204	KAFB-204-01-0608	011A	P269523	25579	Normal Environmental Sample #1	66
ST-204	KAFB-204-01-1115	011A			Normal Environmental Sample #1	67
ST-204	KAFB-204-01-1115	011A	0347900003FD	034790	Normal Environmental Sample #1	64
ST-204	KAFB-204-01-1115	011A	0347900003FD	940425D	Normal Environmental Sample #1	69
ST-204	KAFB-204-01-1115	011A	P269524	25296	Normal Environmental Sample #1	72
ST-204	KAFB-204-01-1115	011A	P269524	25331	Normal Environmental Sample #1	70

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Site	Field ID	Fld Lot	Lab ID	Lab Lot	Sample Description	Page
ST-204	KAFB-204-01-1115	011A	P269524	25331	Normal Environmental Sample #1	71
ST-204	KAFB-204-01-1115	011A	P269524	25360	Normal Environmental Sample #1	68
ST-204	KAFB-204-01-1115	011A	P269524	25579	Normal Environmental Sample #1	65
ST-204	KAFB-204-01-1115	011A	P269524	25579	Normal Environmental Sample #1	66
ST-204	KAFB-204-02-0610	011A			Normal Environmental Sample #1	74
ST-204	KAFB-204-02-0610	011A			Normal Environmental Sample #1	76
ST-204	KAFB-204-02-0610	011A	0347900006MS	940425D	Normal Environmental Sample #1	78
ST-204	KAFB-204-02-0610	011A	0347900006SA	034790	Normal Environmental Sample #1	73
ST-204	KAFB-204-02-0610	011A	?????????		Normal Environmental Sample #1	74
ST-204	KAFB-204-02-0610	011A	P269526	25296	Normal Environmental Sample #1	81
ST-204	KAFB-204-02-0610	011A	P269526	25331	Normal Environmental Sample #1	79
ST-204	KAFB-204-02-0610	011A	P269526	25331	Normal Environmental Sample #1	80
ST-204	KAFB-204-02-0610	011A	P269526	25360	Normal Environmental Sample #1	77
ST-204	KAFB-204-02-0610	011A	P269526	25579	Normal Environmental Sample #1	75
ST-204	KAFB-204-02-1113	011A			Normal Environmental Sample #1	76
ST-204	KAFB-204-02-1113	011A	0347900008SA	034790	Normal Environmental Sample #1	73
ST-204	KAFB-204-02-1113	011A	0347900008SA	940426D	Normal Environmental Sample #1	78
ST-204	KAFB-204-02-1113	011A	?????????		Normal Environmental Sample #1	74
ST-204	KAFB-204-02-1113	011A	P269527	25296	Normal Environmental Sample #1	81
ST-204	KAFB-204-02-1113	011A	P269527	25331	Normal Environmental Sample #1	79
ST-204	KAFB-204-02-1113	011A	P269527	25331	Normal Environmental Sample #1	80
ST-204	KAFB-204-02-1113	011A	P269527	25360	Normal Environmental Sample #1	77
ST-204	KAFB-204-02-1113	011A	P269527	25579	Normal Environmental Sample #1	75
ST-204	KAFB-204-99-1115	011A			Field Replicate #1	67
ST-204	KAFB-204-99-1115	011A	0347900003FD	034790	Field Replicate #1	64
ST-204	KAFB-204-99-1115	011A	0347900003FD	940425D	Field Replicate #1	69
ST-204	KAFB-204-99-1115	011A	P269524	25296	Field Replicate #1	72
ST-204	KAFB-204-99-1115	011A	P269524	25331	Field Replicate #1	70
ST-204	KAFB-204-99-1115	011A	P269524	25331	Field Replicate #1	71
ST-204	KAFB-204-99-1115	011A	P269524	25360	Field Replicate #1	68
ST-204	KAFB-204-99-1115	011A	P269524	25579	Field Replicate #1	65
ST-204	KAFB-204-99-1115	011A	P269524	25579	Field Replicate #1	66
ST-204	KAFB-EB-204-041294	011A	0347900002EB	940425D	Equipment Blank #1	69
ST-204	KAFB-EB-204-041294	011A	0347900002EB	940425D	Equipment Blank #1	78
ST-204	KAFB-EB-204-041294	011A	P269522	25280	Equipment Blank #1	68
ST-204	KAFB-EB-204-041294	011A	P269522	25280	Equipment Blank #1	77
ST-204	KAFB-EB-204-041294	011A	P269522	25281	Equipment Blank #1	70
ST-204	KAFB-EB-204-041294	011A	P269522	25281	Equipment Blank #1	71
ST-204	KAFB-EB-204-041294	011A	P269522	25281	Equipment Blank #1	79
ST-204	KAFB-EB-204-041294	011A	P269522	25281	Equipment Blank #1	80
ST-204	KAFB-EB-204-041294	011A	P269522	25290	Equipment Blank #1	65
ST-204	KAFB-EB-204-041294	011A	P269522	25290	Equipment Blank #1	74
ST-204	KAFB-EB-204-041294	011A	P269522	25410	Equipment Blank #1	66
ST-204	KAFB-EB-204-041294	011A	P269522	25410	Equipment Blank #1	75
ST-204	KAFB-EB-204-041294	011A	P269522	26520	Equipment Blank #1	67
ST-204	KAFB-EB-204-041294	011A	P269522	26520	Equipment Blank #1	76
ST-204	KAFB-TB-01-041294	011A	0347900001TB	940425D	Trip Blank #1	69
ST-204	KAFB-TB-01-041294	011A	0347900001TB	940425D	Trip Blank #1	78
ST-205	KAFB-205-01-0709	011A			Normal Environmental Sample #1	85
ST-205	KAFB-205-01-0709	011A	P269517	25296	Normal Environmental Sample #1	90
ST-205	KAFB-205-01-0709	011A	P269517	25303	Normal Environmental Sample #1	83
ST-205	KAFB-205-01-0709	011A	P269517	25331	Normal Environmental Sample #1	88

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Site	Field ID	Fld Lot	Lab ID	Lab Lot	Sample Description	Page
ST-205	KAFB-205-01-0709	011A	P269517	25331	Normal Environmental Sample #1	89
ST-205	KAFB-205-01-0709	011A	P269517	25360	Normal Environmental Sample #1	86
ST-205	KAFB-205-01-0709	011A	P269517	25390	Normal Environmental Sample #1	82
ST-205	KAFB-205-01-0709	011A	P269517	25579	Normal Environmental Sample #1	84
ST-205	KAFB-205-01-0709	011A	P269517	26538	Normal Environmental Sample #1	87
ST-205	KAFB-205-01-1214	011A			Normal Environmental Sample #1	85
ST-205	KAFB-205-01-1214	011A	P269518	25296	Normal Environmental Sample #1	90
ST-205	KAFB-205-01-1214	011A	P269518	25303	Normal Environmental Sample #1	83
ST-205	KAFB-205-01-1214	011A	P269518	25331	Normal Environmental Sample #1	88
ST-205	KAFB-205-01-1214	011A	P269518	25331	Normal Environmental Sample #1	89
ST-205	KAFB-205-01-1214	011A	P269518	25360	Normal Environmental Sample #1	86
ST-205	KAFB-205-01-1214	011A	P269518	25390	Normal Environmental Sample #1	82
ST-205	KAFB-205-01-1214	011A	P269518	25579	Normal Environmental Sample #1	84
ST-205	KAFB-205-01-1214	011A	P269518	26538	Normal Environmental Sample #1	87
ST-205	KAFB-EB-202-041194	011A	P269520	25280	Equipment Blank #1	86
ST-205	KAFB-EB-202-041194	011A	P269520	25281	Equipment Blank #1	88
ST-205	KAFB-EB-202-041194	011A	P269520	25281	Equipment Blank #1	89
ST-205	KAFB-EB-202-041194	011A	P269520	25290	Equipment Blank #1	83
ST-205	KAFB-EB-202-041194	011A	P269520	25410	Equipment Blank #1	84
ST-205	KAFB-EB-202-041194	011A	P269520	26146	Equipment Blank #1	85
ST-205	KAFB-EB-202-041194	011A	P269520	26444	Equipment Blank #1	87
ST-205	KAFB-TB-01-041194	011A	P269519	26444	Trip Blank #1	87
ST-206	KAFB-206-01-0810	111A			Normal Environmental Sample #1	94
ST-206	KAFB-206-01-0810	111A	0347920010SA	034792	Normal Environmental Sample #1	91
ST-206	KAFB-206-01-0810	111A	0347920010SA	940419D	Normal Environmental Sample #1	96
ST-206	KAFB-206-01-0810	111A	P269378	25146	Normal Environmental Sample #1	97
ST-206	KAFB-206-01-0810	111A	P269378	25146	Normal Environmental Sample #1	98
ST-206	KAFB-206-01-0810	111A	P269378	25147	Normal Environmental Sample #1	95
ST-206	KAFB-206-01-0810	111A	P269378	25190	Normal Environmental Sample #1	99
ST-206	KAFB-206-01-0810	111A	P269378	25265	Normal Environmental Sample #1	92
ST-206	KAFB-206-01-0810	111A	P269378	25578	Normal Environmental Sample #1	93
ST-206	KAFB-206-01-1316	111A			Normal Environmental Sample #1	94
ST-206	KAFB-206-01-1316	111A	0347920013SA	034792	Normal Environmental Sample #1	91
ST-206	KAFB-206-01-1316	111A	0347920013SA	940420D	Normal Environmental Sample #1	96
ST-206	KAFB-206-01-1316	111A	P269379	25146	Normal Environmental Sample #1	97
ST-206	KAFB-206-01-1316	111A	P269379	25146	Normal Environmental Sample #1	98
ST-206	KAFB-206-01-1316	111A	P269379	25190	Normal Environmental Sample #1	99
ST-206	KAFB-206-01-1316	111A	P269379	25265	Normal Environmental Sample #1	92
ST-206	KAFB-206-01-1316	111A	P269379	25578	Normal Environmental Sample #1	93
ST-206	KAFB-206-01-1316	111A	P269379	26431	Normal Environmental Sample #1	95
ST-206	KAFB-206-02-0811	111A			Normal Environmental Sample #1	103
ST-206	KAFB-206-02-0811	111A	0347920014SA	034792	Normal Environmental Sample #1	100
ST-206	KAFB-206-02-0811	111A	0347920014SA	940420D	Normal Environmental Sample #1	105
ST-206	KAFB-206-02-0811	111A	P269380	25146	Normal Environmental Sample #1	106
ST-206	KAFB-206-02-0811	111A	P269380	25146	Normal Environmental Sample #1	107
ST-206	KAFB-206-02-0811	111A	P269380	25147	Normal Environmental Sample #1	104
ST-206	KAFB-206-02-0811	111A	P269380	25190	Normal Environmental Sample #1	108
ST-206	KAFB-206-02-0811	111A	P269380	25265	Normal Environmental Sample #1	101
ST-206	KAFB-206-02-0811	111A	P269380	25578	Normal Environmental Sample #1	102
ST-206	KAFB-206-02-1316	111A			Normal Environmental Sample #1	103
ST-206	KAFB-206-02-1316	111A	0347920015SA	034792	Normal Environmental Sample #1	100
ST-206	KAFB-206-02-1316	111A	0347920015SA	940420D	Normal Environmental Sample #1	105

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ST-206	KAFB-206-02-1316	111A	P269381	25146	Normal Environmental Sample #1	106
ST-206	KAFB-206-02-1316	111A	P269381	25146	Normal Environmental Sample #1	107
ST-206	KAFB-206-02-1316	111A	P269381	25147	Normal Environmental Sample #1	104
ST-206	KAFB-206-02-1316	111A	P269381	25190	Normal Environmental Sample #1	108
ST-206	KAFB-206-02-1316	111A	P269381	25265	Normal Environmental Sample #1	101
ST-206	KAFB-206-02-1316	111A	P269381	25578	Normal Environmental Sample #1	102
ST-206	KAFB-AB-203-040794	111A	0347920019AB	940420D	Ambient Conditions Blank #1	96
ST-206	KAFB-AB-203-040794	111A	0347920019AB	940420D	Ambient Conditions Blank #1	105
ST-206	KAFB-EB-206-040794	111A	0347920020EB	940420D	Equipment Blank #1	96
ST-206	KAFB-EB-206-040794	111A	0347920020EB	940420D	Equipment Blank #1	105
ST-206	KAFB-EB-206-040794	111A	P269376	25155	Equipment Blank #1	97
ST-206	KAFB-EB-206-040794	111A	P269376	25155	Equipment Blank #1	98
ST-206	KAFB-EB-206-040794	111A	P269376	25155	Equipment Blank #1	106
ST-206	KAFB-EB-206-040794	111A	P269376	25155	Equipment Blank #1	107
ST-206	KAFB-EB-206-040794	111A	P269376	25156	Equipment Blank #1	95
ST-206	KAFB-EB-206-040794	111A	P269376	25156	Equipment Blank #1	104
ST-206	KAFB-EB-206-040794	111A	P269376	25274	Equipment Blank #1	93
ST-206	KAFB-EB-206-040794	111A	P269376	25274	Equipment Blank #1	102
ST-206	KAFB-EB-206-040794	111A	P269376	25290	Equipment Blank #1	92
ST-206	KAFB-EB-206-040794	111A	P269376	25290	Equipment Blank #1	101
ST-206	KAFB-EB-206-040794	111A	P269376	26428	Equipment Blank #1	94
ST-206	KAFB-EB-206-040794	111A	P269376	26428	Equipment Blank #1	103
ST-206	KAFB-TB-01-040794	111A	0347920021TB	940420D	Trip Blank #1	96
ST-206	KAFB-TB-01-040794	111A	0347920021TB	940420D	Trip Blank #1	105
ST-207	KAFB-207-01-0810	011A			Normal Environmental Sample #1	112
ST-207	KAFB-207-01-0810	011A	0347930013SA	034793	Normal Environmental Sample #1	109
ST-207	KAFB-207-01-0810	011A	0347930013SA	940418D	Normal Environmental Sample #1	114
ST-207	KAFB-207-01-0810	011A	P269230	25124	Normal Environmental Sample #1	113
ST-207	KAFB-207-01-0810	011A	P269230	25125	Normal Environmental Sample #1	115
ST-207	KAFB-207-01-0810	011A	P269230	25125	Normal Environmental Sample #1	116
ST-207	KAFB-207-01-0810	011A	P269230	25159	Normal Environmental Sample #1	117
ST-207	KAFB-207-01-0810	011A	P269230	25243	Normal Environmental Sample #1	110
ST-207	KAFB-207-01-0810	011A	P269230	25402	Normal Environmental Sample #1	111
ST-207	KAFB-207-01-1315	011A			Normal Environmental Sample #1	112
ST-207	KAFB-207-01-1315	011A	0347930014SA	034793	Normal Environmental Sample #1	109
ST-207	KAFB-207-01-1315	011A	0347930014SA	940418D	Normal Environmental Sample #1	114
ST-207	KAFB-207-01-1315	011A	P269231	25124	Normal Environmental Sample #1	113
ST-207	KAFB-207-01-1315	011A	P269231	25125	Normal Environmental Sample #1	115
ST-207	KAFB-207-01-1315	011A	P269231	25125	Normal Environmental Sample #1	116
ST-207	KAFB-207-01-1315	011A	P269231	25159	Normal Environmental Sample #1	117
ST-207	KAFB-207-01-1315	011A	P269231	25243	Normal Environmental Sample #1	110
ST-207	KAFB-207-01-1315	011A	P269231	25402	Normal Environmental Sample #1	111
ST-207	KAFB-207-02-0810	011A			Normal Environmental Sample #1	121
ST-207	KAFB-207-02-0810	011A	0347920001SA	034792	Normal Environmental Sample #1	118
ST-207	KAFB-207-02-0810	011A	0347920001SA	940418D	Normal Environmental Sample #1	123
ST-207	KAFB-207-02-0810	011A	P269249	25146	Normal Environmental Sample #1	124
ST-207	KAFB-207-02-0810	011A	P269249	25146	Normal Environmental Sample #1	125
ST-207	KAFB-207-02-0810	011A	P269249	25147	Normal Environmental Sample #1	122
ST-207	KAFB-207-02-0810	011A	P269249	25159	Normal Environmental Sample #1	126
ST-207	KAFB-207-02-0810	011A	P269249	25243	Normal Environmental Sample #1	119
ST-207	KAFB-207-02-0810	011A	P269249	25578	Normal Environmental Sample #1	120
ST-207	KAFB-207-02-1315	011A			Normal Environmental Sample #1	121

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ST-207	KAFB-207-02-1315	011A	0347920009SA	034792	Normal Environmental Sample #1	118
ST-207	KAFB-207-02-1315	011A	0347920009SA	940419D	Normal Environmental Sample #1	123
ST-207	KAFB-207-02-1315	011A	P269250	25146	Normal Environmental Sample #1	124
ST-207	KAFB-207-02-1315	011A	P269250	25146	Normal Environmental Sample #1	125
ST-207	KAFB-207-02-1315	011A	P269250	25147	Normal Environmental Sample #1	122
ST-207	KAFB-207-02-1315	011A	P269250	25159	Normal Environmental Sample #1	126
ST-207	KAFB-207-02-1315	011A	P269250	25243	Normal Environmental Sample #1	119
ST-207	KAFB-207-02-1315	011A	P269250	25578	Normal Environmental Sample #1	120
ST-207	KAFB-EB-207-040694	011A	0347920018EB	940420D	Equipment Blank #1	123
ST-207	KAFB-EB-207-040694	011A	P269247	25122	Equipment Blank #1	124
ST-207	KAFB-EB-207-040694	011A	P269247	25122	Equipment Blank #1	125
ST-207	KAFB-EB-207-040694	011A	P269247	25123	Equipment Blank #1	122
ST-207	KAFB-EB-207-040694	011A	P269247	25135	Equipment Blank #1	119
ST-207	KAFB-EB-207-040694	011A	P269247	25274	Equipment Blank #1	120
ST-207	KAFB-EB-207-040694	011A	P269247	26143	Equipment Blank #1	121
ST-207	KAFB-EB-218-040594	011A	0347930022EB	940418D	Equipment Blank #1	114
ST-207	KAFB-EB-218-040594	011A	P269222	25100	Equipment Blank #1	115
ST-207	KAFB-EB-218-040594	011A	P269222	25100	Equipment Blank #1	116
ST-207	KAFB-EB-218-040594	011A	P269222	25101	Equipment Blank #1	113
ST-207	KAFB-EB-218-040594	011A	P269222	25135	Equipment Blank #1	110
ST-207	KAFB-EB-218-040594	011A	P269222	25274	Equipment Blank #1	111
ST-207	KAFB-EB-218-040594	011A	P269222	26044	Equipment Blank #1	112
ST-207	KAFB-TB-01-040594	011A	0347930021TB	940418D	Trip Blank #1	114
ST-208	KAFB-208-01-0810	011A			Normal Environmental Sample #1	130
ST-208	KAFB-208-01-0810	011A	0347920002SA	034792	Normal Environmental Sample #1	127
ST-208	KAFB-208-01-0810	011A	0347920002SA	940419D	Normal Environmental Sample #1	132
ST-208	KAFB-208-01-0810	011A	P269251	25146	Normal Environmental Sample #1	133
ST-208	KAFB-208-01-0810	011A	P269251	25146	Normal Environmental Sample #1	134
ST-208	KAFB-208-01-0810	011A	P269251	25147	Normal Environmental Sample #1	131
ST-208	KAFB-208-01-0810	011A	P269251	25159	Normal Environmental Sample #1	135
ST-208	KAFB-208-01-0810	011A	P269251	25265	Normal Environmental Sample #1	128
ST-208	KAFB-208-01-0810	011A	P269251	25578	Normal Environmental Sample #1	129
ST-208	KAFB-208-01-1317	011A			Normal Environmental Sample #1	130
ST-208	KAFB-208-01-1317	011A	0347920003SA	034792	Normal Environmental Sample #1	127
ST-208	KAFB-208-01-1317	011A	0347920003SA	940419D	Normal Environmental Sample #1	132
ST-208	KAFB-208-01-1317	011A	P269252	25146	Normal Environmental Sample #1	133
ST-208	KAFB-208-01-1317	011A	P269252	25146	Normal Environmental Sample #1	134
ST-208	KAFB-208-01-1317	011A	P269252	25147	Normal Environmental Sample #1	131
ST-208	KAFB-208-01-1317	011A	P269252	25159	Normal Environmental Sample #1	135
ST-208	KAFB-208-01-1317	011A	P269252	25265	Normal Environmental Sample #1	128
ST-208	KAFB-208-01-1317	011A	P269252	25578	Normal Environmental Sample #1	129
ST-208	KAFB-208-02-0812	011A			Normal Environmental Sample #1	139
ST-208	KAFB-208-02-0812	011A	0347920004MS	940419D	Normal Environmental Sample #1	141
ST-208	KAFB-208-02-0812	011A	0347920004SA	034792	Normal Environmental Sample #1	136
ST-208	KAFB-208-02-0812	011A	P269254	25146	Normal Environmental Sample #1	142
ST-208	KAFB-208-02-0812	011A	P269254	25146	Normal Environmental Sample #1	143
ST-208	KAFB-208-02-0812	011A	P269254	25147	Normal Environmental Sample #1	140
ST-208	KAFB-208-02-0812	011A	P269254	25159	Normal Environmental Sample #1	144
ST-208	KAFB-208-02-0812	011A	P269254	25578	Normal Environmental Sample #1	138
ST-208	KAFB-208-02-0812	011A	P269254	25673	Normal Environmental Sample #1	137
ST-208	KAFB-208-02-1315	011A			Normal Environmental Sample #1	139
ST-208	KAFB-208-02-1315	011A	0347920005SA	034792	Normal Environmental Sample #1	136

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ST-208	KAFB-208-02-1315	011A	0347920005SA	940419D	Normal Environmental Sample #1	141
ST-208	KAFB-208-02-1315	011A	P269255	25146	Normal Environmental Sample #1	142
ST-208	KAFB-208-02-1315	011A	P269255	25146	Normal Environmental Sample #1	143
ST-208	KAFB-208-02-1315	011A	P269255	25147	Normal Environmental Sample #1	140
ST-208	KAFB-208-02-1315	011A	P269255	25159	Normal Environmental Sample #1	144
ST-208	KAFB-208-02-1315	011A	P269255	25265	Normal Environmental Sample #1	137
ST-208	KAFB-208-02-1315	011A	P269255	25578	Normal Environmental Sample #1	138
ST-208	KAFB-208-03-0810	011A			Normal Environmental Sample #1	148
ST-208	KAFB-208-03-0810	011A	0347920007SA	034792	Normal Environmental Sample #1	145
ST-208	KAFB-208-03-0810	011A	0347920007SA	940419D	Normal Environmental Sample #1	150
ST-208	KAFB-208-03-0810	011A	P269256	25146	Normal Environmental Sample #1	151
ST-208	KAFB-208-03-0810	011A	P269256	25146	Normal Environmental Sample #1	152
ST-208	KAFB-208-03-0810	011A	P269256	25147	Normal Environmental Sample #1	149
ST-208	KAFB-208-03-0810	011A	P269256	25159	Normal Environmental Sample #1	153
ST-208	KAFB-208-03-0810	011A	P269256	25265	Normal Environmental Sample #1	146
ST-208	KAFB-208-03-0810	011A	P269256	25578	Normal Environmental Sample #1	147
ST-208	KAFB-208-03-1315	011A			Normal Environmental Sample #1	148
ST-208	KAFB-208-03-1315	011A	0347920006SA	034792	Normal Environmental Sample #1	145
ST-208	KAFB-208-03-1315	011A	0347920006SA	940419D	Normal Environmental Sample #1	150
ST-208	KAFB-208-03-1315	011A	P269257	25146	Normal Environmental Sample #1	151
ST-208	KAFB-208-03-1315	011A	P269257	25146	Normal Environmental Sample #1	152
ST-208	KAFB-208-03-1315	011A	P269257	25147	Normal Environmental Sample #1	149
ST-208	KAFB-208-03-1315	011A	P269257	25159	Normal Environmental Sample #1	153
ST-208	KAFB-208-03-1315	011A	P269257	25265	Normal Environmental Sample #1	146
ST-208	KAFB-208-03-1315	011A	P269257	25578	Normal Environmental Sample #1	147
ST-208	KAFB-208-99-1317	011A			Field Replicate #1	130
ST-208	KAFB-208-99-1317	011A	0347920003SA	034792	Field Replicate #1	127
ST-208	KAFB-208-99-1317	011A	0347920003SA	940419D	Field Replicate #1	132
ST-208	KAFB-208-99-1317	011A	P269252	25146	Field Replicate #1	133
ST-208	KAFB-208-99-1317	011A	P269252	25146	Field Replicate #1	134
ST-208	KAFB-208-99-1317	011A	P269252	25147	Field Replicate #1	131
ST-208	KAFB-208-99-1317	011A	P269252	25159	Field Replicate #1	135
ST-208	KAFB-208-99-1317	011A	P269252	25265	Field Replicate #1	128
ST-208	KAFB-208-99-1317	011A	P269252	25578	Field Replicate #1	129
ST-208	KAFB-EB-207-040694	011A	0347920018EB	940420D	Equipment Blank #1	132
ST-208	KAFB-EB-207-040694	011A	0347920018EB	940420D	Equipment Blank #1	141
ST-208	KAFB-EB-207-040694	011A	0347920018EB	940420D	Equipment Blank #1	150
ST-208	KAFB-EB-207-040694	011A	P269247	25122	Equipment Blank #1	133
ST-208	KAFB-EB-207-040694	011A	P269247	25122	Equipment Blank #1	134
ST-208	KAFB-EB-207-040694	011A	P269247	25122	Equipment Blank #1	142
ST-208	KAFB-EB-207-040694	011A	P269247	25122	Equipment Blank #1	143
ST-208	KAFB-EB-207-040694	011A	P269247	25122	Equipment Blank #1	151
ST-208	KAFB-EB-207-040694	011A	P269247	25122	Equipment Blank #1	152
ST-208	KAFB-EB-207-040694	011A	P269247	25123	Equipment Blank #1	131
ST-208	KAFB-EB-207-040694	011A	P269247	25123	Equipment Blank #1	140
ST-208	KAFB-EB-207-040694	011A	P269247	25123	Equipment Blank #1	149
ST-208	KAFB-EB-207-040694	011A	P269247	25135	Equipment Blank #1	128
ST-208	KAFB-EB-207-040694	011A	P269247	25135	Equipment Blank #1	137
ST-208	KAFB-EB-207-040694	011A	P269247	25135	Equipment Blank #1	146
ST-208	KAFB-EB-207-040694	011A	P269247	25274	Equipment Blank #1	129
ST-208	KAFB-EB-207-040694	011A	P269247	25274	Equipment Blank #1	138
ST-208	KAFB-EB-207-040694	011A	P269247	25274	Equipment Blank #1	147

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ST-208	KAFB-EB-207-040694	011A	P269247	26143	Equipment Blank #1	130
ST-208	KAFB-EB-207-040694	011A	P269247	26143	Equipment Blank #1	139
ST-208	KAFB-EB-207-040694	011A	P269247	26143	Equipment Blank #1	148
ST-209	KAFB-209-01-0709	011A			Normal Environmental Sample #1	157
ST-209	KAFB-209-01-0709	011A	0349630013MS	940504D	Normal Environmental Sample #1	159
ST-209	KAFB-209-01-0709	011A	0349630013SA	034963	Normal Environmental Sample #1	154
ST-209	KAFB-209-01-0709	011A	P270803	25517	Normal Environmental Sample #1	162
ST-209	KAFB-209-01-0709	011A	P270803	25536	Normal Environmental Sample #1	155
ST-209	KAFB-209-01-0709	011A	P270803	25586	Normal Environmental Sample #1	158
ST-209	KAFB-209-01-0709	011A	P270803	25618	Normal Environmental Sample #1	160
ST-209	KAFB-209-01-0709	011A	P270803	25618	Normal Environmental Sample #1	161
ST-209	KAFB-209-01-0709	011A	P270803	25770	Normal Environmental Sample #1	156
ST-209	KAFB-209-01-1214	011A			Normal Environmental Sample #1	157
ST-209	KAFB-209-01-1214	011A	0349630014SA	034963	Normal Environmental Sample #1	154
ST-209	KAFB-209-01-1214	011A	0349630014SA	940504D	Normal Environmental Sample #1	159
ST-209	KAFB-209-01-1214	011A	P270804	25517	Normal Environmental Sample #1	162
ST-209	KAFB-209-01-1214	011A	P270804	25536	Normal Environmental Sample #1	155
ST-209	KAFB-209-01-1214	011A	P270804	25586	Normal Environmental Sample #1	158
ST-209	KAFB-209-01-1214	011A	P270804	25618	Normal Environmental Sample #1	160
ST-209	KAFB-209-01-1214	011A	P270804	25618	Normal Environmental Sample #1	161
ST-209	KAFB-209-01-1214	011A	P270804	25770	Normal Environmental Sample #1	156
ST-209	KAFB-209-02-0709	011A			Normal Environmental Sample #1	166
ST-209	KAFB-209-02-0709	011A	0349630015SA	034963	Normal Environmental Sample #1	163
ST-209	KAFB-209-02-0709	011A	0349630015SA	940504D	Normal Environmental Sample #1	168
ST-209	KAFB-209-02-0709	011A	P270805	25517	Normal Environmental Sample #1	171
ST-209	KAFB-209-02-0709	011A	P270805	25536	Normal Environmental Sample #1	164
ST-209	KAFB-209-02-0709	011A	P270805	25586	Normal Environmental Sample #1	167
ST-209	KAFB-209-02-0709	011A	P270805	25618	Normal Environmental Sample #1	169
ST-209	KAFB-209-02-0709	011A	P270805	25618	Normal Environmental Sample #1	170
ST-209	KAFB-209-02-0709	011A	P270805	25770	Normal Environmental Sample #1	165
ST-209	KAFB-209-02-1214	011A			Normal Environmental Sample #1	166
ST-209	KAFB-209-02-1214	011A	0349630016SA	034963	Normal Environmental Sample #1	163
ST-209	KAFB-209-02-1214	011A	0349630016SA	940504D	Normal Environmental Sample #1	168
ST-209	KAFB-209-02-1214	011A	P270806	25517	Normal Environmental Sample #1	171
ST-209	KAFB-209-02-1214	011A	P270806	25536	Normal Environmental Sample #1	164
ST-209	KAFB-209-02-1214	011A	P270806	25586	Normal Environmental Sample #1	167
ST-209	KAFB-209-02-1214	011A	P270806	25618	Normal Environmental Sample #1	169
ST-209	KAFB-209-02-1214	011A	P270806	25618	Normal Environmental Sample #1	170
ST-209	KAFB-209-02-1214	011A	P270806	25770	Normal Environmental Sample #1	165
ST-209	KAFB-209-03-0711	011A			Normal Environmental Sample #1	175
ST-209	KAFB-209-03-0711	011A	0349630017SA	034963	Normal Environmental Sample #1	172
ST-209	KAFB-209-03-0711	011A	0349630017SA	940505D	Normal Environmental Sample #1	177
ST-209	KAFB-209-03-0711	011A	P270807	25517	Normal Environmental Sample #1	180
ST-209	KAFB-209-03-0711	011A	P270807	25536	Normal Environmental Sample #1	173
ST-209	KAFB-209-03-0711	011A	P270807	25586	Normal Environmental Sample #1	176
ST-209	KAFB-209-03-0711	011A	P270807	25618	Normal Environmental Sample #1	178
ST-209	KAFB-209-03-0711	011A	P270807	25618	Normal Environmental Sample #1	179
ST-209	KAFB-209-03-0711	011A	P270807	25770	Normal Environmental Sample #1	174
ST-209	KAFB-209-03-1214	011A			Normal Environmental Sample #1	175
ST-209	KAFB-209-03-1214	011A	0349630018SA	034963	Normal Environmental Sample #1	172
ST-209	KAFB-209-03-1214	011A	0349630018SA	940505D	Normal Environmental Sample #1	177
ST-209	KAFB-209-03-1214	011A	P270808	25517	Normal Environmental Sample #1	180

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ST-209	KAFB-209-03-1214	011A	P270808	25536	Normal Environmental Sample #1	173
ST-209	KAFB-209-03-1214	011A	P270808	25586	Normal Environmental Sample #1	176
ST-209	KAFB-209-03-1214	011A	P270808	25618	Normal Environmental Sample #1	178
ST-209	KAFB-209-03-1214	011A	P270808	25618	Normal Environmental Sample #1	179
ST-209	KAFB-209-03-1214	011A	P270808	25770	Normal Environmental Sample #1	174
ST-209	KAFB-209-04-0709	011A			Normal Environmental Sample #1	184
ST-209	KAFB-209-04-0709	011A	0349630019SA	034963	Normal Environmental Sample #1	181
ST-209	KAFB-209-04-0709	011A	0349630019SA	940506D	Normal Environmental Sample #1	186
ST-209	KAFB-209-04-0709	011A	P270809	25517	Normal Environmental Sample #1	189
ST-209	KAFB-209-04-0709	011A	P270809	25536	Normal Environmental Sample #1	182
ST-209	KAFB-209-04-0709	011A	P270809	25586	Normal Environmental Sample #1	185
ST-209	KAFB-209-04-0709	011A	P270809	25618	Normal Environmental Sample #1	187
ST-209	KAFB-209-04-0709	011A	P270809	25618	Normal Environmental Sample #1	188
ST-209	KAFB-209-04-0709	011A	P270809	25770	Normal Environmental Sample #1	183
ST-209	KAFB-209-04-1216	011A			Normal Environmental Sample #1	184
ST-209	KAFB-209-04-1216	011A	0349630020SA	940505D	Normal Environmental Sample #1	186
ST-209	KAFB-209-04-1216	011A	P270810	25517	Normal Environmental Sample #1	189
ST-209	KAFB-209-04-1216	011A	P270810	25536	Normal Environmental Sample #1	182
ST-209	KAFB-209-04-1216	011A	P270810	25561	Normal Environmental Sample #1	181
ST-209	KAFB-209-04-1216	011A	P270810	25586	Normal Environmental Sample #1	185
ST-209	KAFB-209-04-1216	011A	P270810	25618	Normal Environmental Sample #1	187
ST-209	KAFB-209-04-1216	011A	P270810	25618	Normal Environmental Sample #1	188
ST-209	KAFB-209-04-1216	011A	P270810	25771	Normal Environmental Sample #1	183
ST-209	KAFB-209-99-1216	011A			Field Replicate #1	184
ST-209	KAFB-209-99-1216	011A	0349630020SA	940505D	Field Replicate #1	186
ST-209	KAFB-209-99-1216	011A	P270810	25517	Field Replicate #1	189
ST-209	KAFB-209-99-1216	011A	P270810	25536	Field Replicate #1	182
ST-209	KAFB-209-99-1216	011A	P270810	25561	Field Replicate #1	181
ST-209	KAFB-209-99-1216	011A	P270810	25586	Field Replicate #1	185
ST-209	KAFB-209-99-1216	011A	P270810	25618	Field Replicate #1	187
ST-209	KAFB-209-99-1216	011A	P270810	25618	Field Replicate #1	188
ST-209	KAFB-209-99-1216	011A	P270810	25771	Field Replicate #1	183
ST-209	KAFB-TB-01-042294	011A			Trip Blank #1	157
ST-209	KAFB-TB-01-042294	011A			Trip Blank #1	159
ST-209	KAFB-TB-01-042294	011A			Trip Blank #1	166
ST-209	KAFB-TB-01-042294	011A			Trip Blank #1	168
ST-209	KAFB-TB-01-042294	011A			Trip Blank #1	175
ST-209	KAFB-TB-01-042294	011A			Trip Blank #1	177
ST-209	KAFB-TB-01-042294	011A			Trip Blank #1	184
ST-209	KAFB-TB-01-042294	011A			Trip Blank #1	186
ST-209	KAFB-TB-01-042294	011A	0349630011TB	940504D	Trip Blank #1	159
ST-209	KAFB-TB-01-042294	011A	0349630011TB	940504D	Trip Blank #1	168
ST-209	KAFB-TB-01-042294	011A	0349630011TB	940504D	Trip Blank #1	177
ST-209	KAFB-TB-01-042294	011A	0349630011TB	940504D	Trip Blank #1	186
ST-209	KAFB-TB-01-042294	011A	0349630012EB	940504D	Equipment Blank #1	159
ST-209	KAFB-TB-01-042294	011A	0349630012EB	940504D	Equipment Blank #1	168
ST-209	KAFB-TB-01-042294	011A	0349630012EB	940504D	Equipment Blank #1	177
ST-209	KAFB-TB-01-042294	011A	0349630012EB	940504D	Equipment Blank #1	186
ST-209	KAFB-TB-01-042294	011A	P270802	25549	Equipment Blank #1	160
ST-209	KAFB-TB-01-042294	011A	P270802	25549	Equipment Blank #1	161
ST-209	KAFB-TB-01-042294	011A	P270802	25549	Equipment Blank #1	169
ST-209	KAFB-TB-01-042294	011A	P270802	25549	Equipment Blank #1	170

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ST-209	KAFB-TB-01-042294	011A	P270802	25549	Equipment Blank #1	178
ST-209	KAFB-TB-01-042294	011A	P270802	25549	Equipment Blank #1	179
ST-209	KAFB-TB-01-042294	011A	P270802	25549	Equipment Blank #1	187
ST-209	KAFB-TB-01-042294	011A	P270802	25549	Equipment Blank #1	188
ST-209	KAFB-TB-01-042294	011A	P270802	25550	Equipment Blank #1	158
ST-209	KAFB-TB-01-042294	011A	P270802	25550	Equipment Blank #1	167
ST-209	KAFB-TB-01-042294	011A	P270802	25550	Equipment Blank #1	176
ST-209	KAFB-TB-01-042294	011A	P270802	25550	Equipment Blank #1	185
ST-209	KAFB-TB-01-042294	011A	P270802	25556	Equipment Blank #1	155
ST-209	KAFB-TB-01-042294	011A	P270802	25556	Equipment Blank #1	164
ST-209	KAFB-TB-01-042294	011A	P270802	25556	Equipment Blank #1	173
ST-209	KAFB-TB-01-042294	011A	P270802	25556	Equipment Blank #1	182
ST-209	KAFB-TB-01-042294	011A	P270802	25602	Equipment Blank #1	156
ST-209	KAFB-TB-01-042294	011A	P270802	25602	Equipment Blank #1	165
ST-209	KAFB-TB-01-042294	011A	P270802	25602	Equipment Blank #1	174
ST-209	KAFB-TB-01-042294	011A	P270802	25602	Equipment Blank #1	183
ST-209	KAFB-TB-01-042294	011A	P270802	26733	Equipment Blank #1	157
ST-209	KAFB-TB-01-042294	011A	P270802	26733	Equipment Blank #1	159
ST-209	KAFB-TB-01-042294	011A	P270802	26733	Equipment Blank #1	166
ST-209	KAFB-TB-01-042294	011A	P270802	26733	Equipment Blank #1	168
ST-209	KAFB-TB-01-042294	011A	P270802	26733	Equipment Blank #1	175
ST-209	KAFB-TB-01-042294	011A	P270802	26733	Equipment Blank #1	177
ST-209	KAFB-TB-01-042294	011A	P270802	26733	Equipment Blank #1	184
ST-209	KAFB-TB-01-042294	011A	P270802	26733	Equipment Blank #1	186
ST-210	KAFB-210-01-0810	101A	P268066	24797	Normal Environmental Sample #1	198
ST-210	KAFB-210-01-0810	101A	P268066	24821	Normal Environmental Sample #1	196
ST-210	KAFB-210-01-0810	101A	P268066	24821	Normal Environmental Sample #1	197
ST-210	KAFB-210-01-0810	101A	P268066	24822	Normal Environmental Sample #1	194
ST-210	KAFB-210-01-0810	101A	P268066	24834	Normal Environmental Sample #1	190
ST-210	KAFB-210-01-0810	101A	P268066	25006	Normal Environmental Sample #1	192
ST-210	KAFB-210-01-0810	101A	P268066	25023	Normal Environmental Sample #1	191
ST-210	KAFB-210-01-0810	101A	P268066	26084	Normal Environmental Sample #1	195
ST-210	KAFB-210-01-0810	101A	P268066	26159	Normal Environmental Sample #1	193
ST-210	KAFB-210-01-1517	101A			Normal Environmental Sample #1	193
ST-210	KAFB-210-01-1517	101A	P268067	24797	Normal Environmental Sample #1	198
ST-210	KAFB-210-01-1517	101A	P268067	24821	Normal Environmental Sample #1	196
ST-210	KAFB-210-01-1517	101A	P268067	24821	Normal Environmental Sample #1	197
ST-210	KAFB-210-01-1517	101A	P268067	24822	Normal Environmental Sample #1	194
ST-210	KAFB-210-01-1517	101A	P268067	24834	Normal Environmental Sample #1	190
ST-210	KAFB-210-01-1517	101A	P268067	25006	Normal Environmental Sample #1	192
ST-210	KAFB-210-01-1517	101A	P268067	25023	Normal Environmental Sample #1	191
ST-210	KAFB-210-01-1517	101A	P268067	26084	Normal Environmental Sample #1	195
ST-210	KAFB-210-02-0709	111A			Normal Environmental Sample #1	203
ST-210	KAFB-210-02-0709	111A	P268057	24797	Normal Environmental Sample #1	208
ST-210	KAFB-210-02-0709	111A	P268057	24821	Normal Environmental Sample #1	206
ST-210	KAFB-210-02-0709	111A	P268057	24821	Normal Environmental Sample #1	207
ST-210	KAFB-210-02-0709	111A	P268057	24822	Normal Environmental Sample #1	204
ST-210	KAFB-210-02-0709	111A	P268057	24834	Normal Environmental Sample #1	200
ST-210	KAFB-210-02-0709	111A	P268057	25006	Normal Environmental Sample #1	202
ST-210	KAFB-210-02-0709	111A	P268057	25023	Normal Environmental Sample #1	201
ST-210	KAFB-210-02-0709	111A	P268057	26084	Normal Environmental Sample #1	205
ST-210	KAFB-210-02-1214	111A			Normal Environmental Sample #1	203

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ST-210	KAFB-210-02-1214	111A	P268058	24797	Normal Environmental Sample #1	208
ST-210	KAFB-210-02-1214	111A	P268058	24821	Normal Environmental Sample #1	206
ST-210	KAFB-210-02-1214	111A	P268058	24821	Normal Environmental Sample #1	207
ST-210	KAFB-210-02-1214	111A	P268058	24822	Normal Environmental Sample #1	204
ST-210	KAFB-210-02-1214	111A	P268058	24834	Normal Environmental Sample #1	200
ST-210	KAFB-210-02-1214	111A	P268058	25006	Normal Environmental Sample #1	202
ST-210	KAFB-210-02-1214	111A	P268058	25023	Normal Environmental Sample #1	201
ST-210	KAFB-210-02-1214	111A	P268058	26084	Normal Environmental Sample #1	205
ST-210	KAFB-210-03-0709	011A			Normal Environmental Sample #1	213
ST-210	KAFB-210-03-0709	011A	P268151	24832	Normal Environmental Sample #1	221
ST-210	KAFB-210-03-0709	011A	P268151	24849	Normal Environmental Sample #1	217
ST-210	KAFB-210-03-0709	011A	P268151	24849	Normal Environmental Sample #1	218
ST-210	KAFB-210-03-0709	011A	P268151	24883	Normal Environmental Sample #1	214
ST-210	KAFB-210-03-0709	011A	P268151	24898	Normal Environmental Sample #1	209
ST-210	KAFB-210-03-0709	011A	P268151	25006	Normal Environmental Sample #1	212
ST-210	KAFB-210-03-0709	011A	P268151	25023	Normal Environmental Sample #1	210
ST-210	KAFB-210-03-0709	011A	P268151	26085	Normal Environmental Sample #1	215
ST-210	KAFB-210-03-1216	011A			Normal Environmental Sample #1	213
ST-210	KAFB-210-03-1216	011A	P268152	24832	Normal Environmental Sample #1	221
ST-210	KAFB-210-03-1216	011A	P268152	24849	Normal Environmental Sample #1	217
ST-210	KAFB-210-03-1216	011A	P268152	24849	Normal Environmental Sample #1	218
ST-210	KAFB-210-03-1216	011A	P268152	24883	Normal Environmental Sample #1	214
ST-210	KAFB-210-03-1216	011A	P268152	24898	Normal Environmental Sample #1	209
ST-210	KAFB-210-03-1216	011A	P268152	25006	Normal Environmental Sample #1	212
ST-210	KAFB-210-03-1216	011A	P268152	25023	Normal Environmental Sample #1	210
ST-210	KAFB-210-03-1216	011A	P268152	26084	Normal Environmental Sample #1	215
ST-210	KAFB-210-03-2527	011A			Normal Environmental Sample #1	213
ST-210	KAFB-210-03-2527	011A	P268154	24832	Normal Environmental Sample #1	221
ST-210	KAFB-210-03-2527	011A	P268154	24849	Normal Environmental Sample #1	218
ST-210	KAFB-210-03-2527	011A	P268154	24849	Normal Environmental Sample #1	219
ST-210	KAFB-210-03-2527	011A	P268154	24849	Normal Environmental Sample #1	220
ST-210	KAFB-210-03-2527	011A	P268154	24883	Normal Environmental Sample #1	214
ST-210	KAFB-210-03-2527	011A	P268154	24898	Normal Environmental Sample #1	209
ST-210	KAFB-210-03-2527	011A	P268154	25006	Normal Environmental Sample #1	212
ST-210	KAFB-210-03-2527	011A	P268154	25023	Normal Environmental Sample #1	210
ST-210	KAFB-210-03-2527	011A	P268154	26085	Normal Environmental Sample #1	215
ST-210	KAFB-210-03-2527	011A	P268154	26085	Normal Environmental Sample #1	216
ST-210	KAFB-210-04-0810	111A			Normal Environmental Sample #1	225
ST-210	KAFB-210-04-0810	111A	P268059	24797	Normal Environmental Sample #1	230
ST-210	KAFB-210-04-0810	111A	P268059	24821	Normal Environmental Sample #1	228
ST-210	KAFB-210-04-0810	111A	P268059	24821	Normal Environmental Sample #1	229
ST-210	KAFB-210-04-0810	111A	P268059	24822	Normal Environmental Sample #1	226
ST-210	KAFB-210-04-0810	111A	P268059	24834	Normal Environmental Sample #1	222
ST-210	KAFB-210-04-0810	111A	P268059	25006	Normal Environmental Sample #1	224
ST-210	KAFB-210-04-0810	111A	P268059	25023	Normal Environmental Sample #1	223
ST-210	KAFB-210-04-0810	111A	P268059	26084	Normal Environmental Sample #1	227
ST-210	KAFB-210-04-1517	111A			Normal Environmental Sample #1	225
ST-210	KAFB-210-04-1517	111A	P268061	24797	Normal Environmental Sample #1	230
ST-210	KAFB-210-04-1517	111A	P268061	24821	Normal Environmental Sample #1	228
ST-210	KAFB-210-04-1517	111A	P268061	24821	Normal Environmental Sample #1	229
ST-210	KAFB-210-04-1517	111A	P268061	24822	Normal Environmental Sample #1	226
ST-210	KAFB-210-04-1517	111A	P268061	24834	Normal Environmental Sample #1	222

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ST-210	KAFB-210-04-1517	111A	P268061	25006	Normal Environmental Sample #1	224
ST-210	KAFB-210-04-1517	111A	P268061	25023	Normal Environmental Sample #1	223
ST-210	KAFB-210-04-1517	111A	P268061	26085	Normal Environmental Sample #1	227
ST-210	KAFB-210-04-3032	111A			Normal Environmental Sample #1	225
ST-210	KAFB-210-04-3032	111A	P268063	24797	Normal Environmental Sample #1	230
ST-210	KAFB-210-04-3032	111A	P268063	24821	Normal Environmental Sample #1	228
ST-210	KAFB-210-04-3032	111A	P268063	24821	Normal Environmental Sample #1	229
ST-210	KAFB-210-04-3032	111A	P268063	24822	Normal Environmental Sample #1	226
ST-210	KAFB-210-04-3032	111A	P268063	24834	Normal Environmental Sample #1	222
ST-210	KAFB-210-04-3032	111A	P268063	25006	Normal Environmental Sample #1	224
ST-210	KAFB-210-04-3032	111A	P268063	25023	Normal Environmental Sample #1	223
ST-210	KAFB-210-04-3032	111A	P268063	26085	Normal Environmental Sample #1	227
ST-210	KAFB-210-05-0810	011A	0360700003SA	036070	Normal Environmental Sample #1	231
ST-210	KAFB-210-05-0810	011A	0360700003SA	940616B	Normal Environmental Sample #1	232
ST-210	KAFB-210-05-0810	011A	0360700003SA	940622J	Normal Environmental Sample #1	233
ST-210	KAFB-210-05-1517	011A	0360700004MS	940616B	Normal Environmental Sample #1	232
ST-210	KAFB-210-05-1517	011A	0360700004MS	940622J	Normal Environmental Sample #1	233
ST-210	KAFB-210-05-1517	011A	0360700004SA	036070	Normal Environmental Sample #1	231
ST-210	KAFB-210-06-0709	011A	0360700005SA	036070	Normal Environmental Sample #1	234
ST-210	KAFB-210-06-0709	011A	0360700005SA	940616B	Normal Environmental Sample #1	235
ST-210	KAFB-210-06-0709	011A	0360700005SA	940622J	Normal Environmental Sample #1	236
ST-210	KAFB-210-06-1214	011A	0360700007SA	036070	Normal Environmental Sample #1	234
ST-210	KAFB-210-06-1214	011A	0360700007SA	940616B	Normal Environmental Sample #1	235
ST-210	KAFB-210-06-1214	011A	0360700007SA	940622J	Normal Environmental Sample #1	236
ST-210	KAFB-210-07-0709	111A	0360700018SA	036070	Normal Environmental Sample #1	237
ST-210	KAFB-210-07-0709	111A	0360700018SA	940617B	Normal Environmental Sample #1	238
ST-210	KAFB-210-07-0709	111A	0360700018SA	940629A2	Normal Environmental Sample #1	239
ST-210	KAFB-210-07-1214	111A	0360700019SA	036070	Normal Environmental Sample #1	237
ST-210	KAFB-210-07-1214	111A	0360700019SA	940617B	Normal Environmental Sample #1	238
ST-210	KAFB-210-07-1214	111A	0360700019SA	940629A2	Normal Environmental Sample #1	239
ST-210	KAFB-210-07-2224	011A	0361310003SA	036131	Normal Environmental Sample #1	240
ST-210	KAFB-210-07-2224	011A	0361310003SA	940620K	Normal Environmental Sample #1	241
ST-210	KAFB-210-07-2224	011A	0361310003SA	940624J	Normal Environmental Sample #1	246
ST-210	KAFB-210-07-3236	011A			Normal Environmental Sample #1	252
ST-210	KAFB-210-07-3236	011A	0361310005SA	036131	Normal Environmental Sample #1	240
ST-210	KAFB-210-07-3236	011A	0361310005SA	940615A1	Normal Environmental Sample #1	242
ST-210	KAFB-210-07-3236	011A	0361310005SA	940618A	Normal Environmental Sample #1	241
ST-210	KAFB-210-07-3236	011A	0361310005SA	940622A1	Normal Environmental Sample #1	248
ST-210	KAFB-210-07-3236	011A	0361310005SA	940622A1	Normal Environmental Sample #1	249
ST-210	KAFB-210-07-3236	011A	0361310005SA	940624J	Normal Environmental Sample #1	246
ST-210	KAFB-210-07-3236	011A	0361310005SA	9406279C	Normal Environmental Sample #1	245
ST-210	KAFB-210-07-3236	011A	0361310005SA	9407019E	Normal Environmental Sample #1	243
ST-210	KAFB-210-07-4244	011A			Normal Environmental Sample #1	246
ST-210	KAFB-210-07-4244	011A			Normal Environmental Sample #1	247
ST-210	KAFB-210-07-4244	011A	0361310007SA	036131	Normal Environmental Sample #1	240
ST-210	KAFB-210-07-4244	011A	0361310007SA	940615A1	Normal Environmental Sample #1	242
ST-210	KAFB-210-07-4244	011A	0361310007SA	940618A	Normal Environmental Sample #1	241
ST-210	KAFB-210-07-4244	011A	0361310007SA	940622A1	Normal Environmental Sample #1	248
ST-210	KAFB-210-07-4244	011A	0361310007SA	940622A1	Normal Environmental Sample #1	249
ST-210	KAFB-210-07-4244	011A	0361310007SA	9406279C	Normal Environmental Sample #1	245
ST-210	KAFB-210-07-4244	011A	0361310007SA	9406284A	Normal Environmental Sample #1	252
ST-210	KAFB-210-07-4244	011A	0361310007SA	9407019E	Normal Environmental Sample #1	243

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ST-210	KAFB-210-07-5254	011A			Normal Environmental Sample #1	252
ST-210	KAFB-210-07-5254	011A	0361310008MS	940615A1	Normal Environmental Sample #1	242
ST-210	KAFB-210-07-5254	011A	0361310008MS	940618A	Normal Environmental Sample #1	241
ST-210	KAFB-210-07-5254	011A	0361310008MS	940622A1	Normal Environmental Sample #1	249
ST-210	KAFB-210-07-5254	011A	0361310008MS	940622A1	Normal Environmental Sample #1	250
ST-210	KAFB-210-07-5254	011A	0361310008MS	940622A1	Normal Environmental Sample #1	251
ST-210	KAFB-210-07-5254	011A	0361310008MS	9406279C	Normal Environmental Sample #1	245
ST-210	KAFB-210-07-5254	011A	0361310008MS	94407069B	Normal Environmental Sample #1	243
ST-210	KAFB-210-07-5254	011A	0361310008MS	94407069B	Normal Environmental Sample #1	244
ST-210	KAFB-210-07-5254	011A	0361310008SA	036131	Normal Environmental Sample #1	240
ST-210	KAFB-210-07-5254	011A	0361310008SA	940624J	Normal Environmental Sample #1	246
ST-210	KAFB-210-07-5254	011A	0361310008SA	940624J	Normal Environmental Sample #1	247
ST-210	KAFB-210-08-0810	011A	0360700006SA	036070	Normal Environmental Sample #1	253
ST-210	KAFB-210-08-0810	011A	0360700006SA	940616B	Normal Environmental Sample #1	254
ST-210	KAFB-210-08-0810	011A	0360700006SA	940622J	Normal Environmental Sample #1	258
ST-210	KAFB-210-08-1517	011A	0360700008SA	036070	Normal Environmental Sample #1	253
ST-210	KAFB-210-08-1517	011A	0360700008SA	940616B	Normal Environmental Sample #1	254
ST-210	KAFB-210-08-1517	011A	0360700008SA	940622J	Normal Environmental Sample #1	258
ST-210	KAFB-210-08-2527	011A	0360700009SA	036070	Normal Environmental Sample #1	253
ST-210	KAFB-210-08-2527	011A	0360700009SA	940616B	Normal Environmental Sample #1	254
ST-210	KAFB-210-08-2527	011A	0360700009SA	940629A2	Normal Environmental Sample #1	258
ST-210	KAFB-210-08-3537	011A	0360700011MS	9407119A	Normal Environmental Sample #1	257
ST-210	KAFB-210-08-3537	011A	0360700011MS	9407139C	Normal Environmental Sample #1	256
ST-210	KAFB-210-08-3537	011A	0360700011SA	036070	Normal Environmental Sample #1	253
ST-210	KAFB-210-08-3537	011A	0360700011SA	940615A1	Normal Environmental Sample #1	255
ST-210	KAFB-210-08-3537	011A	0360700011SA	940616B	Normal Environmental Sample #1	254
ST-210	KAFB-210-08-3537	011A	0360700011SA	940622A1	Normal Environmental Sample #1	260
ST-210	KAFB-210-08-3537	011A	0360700011SA	940622A1	Normal Environmental Sample #1	261
ST-210	KAFB-210-08-3537	011A	0360700011SA	9406284A	Normal Environmental Sample #1	262
ST-210	KAFB-210-08-3537	011A	0360700011SA	940629A2	Normal Environmental Sample #1	258
ST-210	KAFB-210-08-3537	011A	0360700011SA	940629A2	Normal Environmental Sample #1	259
ST-210	KAFB-210-08-4549	011A	0360700012SA	036070	Normal Environmental Sample #1	253
ST-210	KAFB-210-08-4549	011A	0360700012SA	940615A1	Normal Environmental Sample #1	255
ST-210	KAFB-210-08-4549	011A	0360700012SA	940616B	Normal Environmental Sample #1	254
ST-210	KAFB-210-08-4549	011A	0360700012SA	940622A1	Normal Environmental Sample #1	260
ST-210	KAFB-210-08-4549	011A	0360700012SA	940622A1	Normal Environmental Sample #1	261
ST-210	KAFB-210-08-4549	011A	0360700012SA	9406279C	Normal Environmental Sample #1	257
ST-210	KAFB-210-08-4549	011A	0360700012SA	9406284A	Normal Environmental Sample #1	262
ST-210	KAFB-210-08-4549	011A	0360700012SA	940629A2	Normal Environmental Sample #1	258
ST-210	KAFB-210-08-4549	011A	0360700012SA	940629A2	Normal Environmental Sample #1	259
ST-210	KAFB-210-08-4549	011A	0360700012SA	9407019E	Normal Environmental Sample #1	256
ST-210	KAFB-210-08-5557	111A	0360700016SA	036070	Normal Environmental Sample #1	263
ST-210	KAFB-210-08-5557	111A	0360700016SA	940615A1	Normal Environmental Sample #1	265
ST-210	KAFB-210-08-5557	111A	0360700016SA	940617B	Normal Environmental Sample #1	264
ST-210	KAFB-210-08-5557	111A	0360700016SA	940622A1	Normal Environmental Sample #1	269
ST-210	KAFB-210-08-5557	111A	0360700016SA	940622A1	Normal Environmental Sample #1	270
ST-210	KAFB-210-08-5557	111A	0360700016SA	940622L	Normal Environmental Sample #1	268
ST-210	KAFB-210-08-5557	111A	0360700016SA	9406279C	Normal Environmental Sample #1	267
ST-210	KAFB-210-08-5557	111A	0360700016SA	9406284A	Normal Environmental Sample #1	271
ST-210	KAFB-210-08-5557	111A	0360700016SA	9407019E	Normal Environmental Sample #1	266
ST-210	KAFB-210-09-0103	011A	0362490007SA	036249	Normal Environmental Sample #1	272
ST-210	KAFB-210-09-0103	011A	0362490007SA	940620B	Normal Environmental Sample #1	273

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ST-210	KAFB-210-09-0103	011A	0362490007SA	940629J	Normal Environmental Sample #1	277
ST-210	KAFB-210-09-0103	011A	P276557	26890	Normal Environmental Sample #1	278
ST-210	KAFB-210-09-0103	011A	P276557	26890	Normal Environmental Sample #1	279
ST-210	KAFB-210-09-0103	011A	P276557	26968	Normal Environmental Sample #1	276
ST-210	KAFB-210-09-0103	011A	P276557	26984	Normal Environmental Sample #1	280
ST-210	KAFB-210-09-0103	011A	P276557	27102	Normal Environmental Sample #1	274
ST-210	KAFB-210-09-0103	011A	P276557	27156	Normal Environmental Sample #1	275
ST-210	KAFB-210-09-0507	011A	0362490008SA	036249	Normal Environmental Sample #1	272
ST-210	KAFB-210-09-0507	011A	0362490008SA	940620B	Normal Environmental Sample #1	273
ST-210	KAFB-210-09-0507	011A	0362490008SA	940630J	Normal Environmental Sample #1	277
ST-210	KAFB-210-09-0507	011A	P276558	26890	Normal Environmental Sample #1	278
ST-210	KAFB-210-09-0507	011A	P276558	26890	Normal Environmental Sample #1	279
ST-210	KAFB-210-09-0507	011A	P276558	26968	Normal Environmental Sample #1	276
ST-210	KAFB-210-09-0507	011A	P276558	26984	Normal Environmental Sample #1	280
ST-210	KAFB-210-09-0507	011A	P276558	27102	Normal Environmental Sample #1	274
ST-210	KAFB-210-09-0507	011A	P276558	27156	Normal Environmental Sample #1	275
ST-210	KAFB-210-10-0103	011A	0362490009SA	036249	Normal Environmental Sample #1	281
ST-210	KAFB-210-10-0103	011A	0362490009SA	940620B	Normal Environmental Sample #1	282
ST-210	KAFB-210-10-0103	011A	0362490009SA	940629J	Normal Environmental Sample #1	286
ST-210	KAFB-210-10-0103	011A	P276559	26890	Normal Environmental Sample #1	287
ST-210	KAFB-210-10-0103	011A	P276559	26890	Normal Environmental Sample #1	288
ST-210	KAFB-210-10-0103	011A	P276559	26968	Normal Environmental Sample #1	285
ST-210	KAFB-210-10-0103	011A	P276559	26984	Normal Environmental Sample #1	289
ST-210	KAFB-210-10-0103	011A	P276559	27102	Normal Environmental Sample #1	283
ST-210	KAFB-210-10-0103	011A	P276559	27156	Normal Environmental Sample #1	284
ST-210	KAFB-210-10-0507	011A	0362490010SA	036249	Normal Environmental Sample #1	281
ST-210	KAFB-210-10-0507	011A	0362490010SA	940620B	Normal Environmental Sample #1	282
ST-210	KAFB-210-10-0507	011A	0362490010SA	940629J	Normal Environmental Sample #1	286
ST-210	KAFB-210-10-0507	011A	P276560	26890	Normal Environmental Sample #1	287
ST-210	KAFB-210-10-0507	011A	P276560	26890	Normal Environmental Sample #1	288
ST-210	KAFB-210-10-0507	011A	P276560	26968	Normal Environmental Sample #1	285
ST-210	KAFB-210-10-0507	011A	P276560	26984	Normal Environmental Sample #1	289
ST-210	KAFB-210-10-0507	011A	P276560	27102	Normal Environmental Sample #1	283
ST-210	KAFB-210-10-0507	011A	P276560	27156	Normal Environmental Sample #1	284
ST-210	KAFB-210-11-0105	011A	0362490011SA	036249	Normal Environmental Sample #1	290
ST-210	KAFB-210-11-0105	011A	0362490011SA	940620B	Normal Environmental Sample #1	291
ST-210	KAFB-210-11-0105	011A	0362490011SA	940629J	Normal Environmental Sample #1	295
ST-210	KAFB-210-11-0105	011A	P276561	26890	Normal Environmental Sample #1	296
ST-210	KAFB-210-11-0105	011A	P276561	26890	Normal Environmental Sample #1	297
ST-210	KAFB-210-11-0105	011A	P276561	26968	Normal Environmental Sample #1	294
ST-210	KAFB-210-11-0105	011A	P276561	26984	Normal Environmental Sample #1	298
ST-210	KAFB-210-11-0105	011A	P276561	27102	Normal Environmental Sample #1	292
ST-210	KAFB-210-11-0105	011A	P276561	27156	Normal Environmental Sample #1	293
ST-210	KAFB-210-11-0509	011A	0362490012MS	940620B	Normal Environmental Sample #1	291
ST-210	KAFB-210-11-0509	011A	0362490012MS	940628J	Normal Environmental Sample #1	295
ST-210	KAFB-210-11-0509	011A	0362490012SA	036249	Normal Environmental Sample #1	290
ST-210	KAFB-210-11-0509	011A	P276562	26890	Normal Environmental Sample #1	296
ST-210	KAFB-210-11-0509	011A	P276562	26890	Normal Environmental Sample #1	297
ST-210	KAFB-210-11-0509	011A	P276562	26968	Normal Environmental Sample #1	294
ST-210	KAFB-210-11-0509	011A	P276562	26984	Normal Environmental Sample #1	298
ST-210	KAFB-210-11-0509	011A	P276562	27102	Normal Environmental Sample #1	292
ST-210	KAFB-210-11-0509	011A	P276562	27156	Normal Environmental Sample #1	293

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ST-210	KAFB-210-12-100102	111A			Normal Environmental Sample #1	302
ST-210	KAFB-210-12-100102	111A			Normal Environmental Sample #1	303
ST-210	KAFB-210-12-100102	111A			Normal Environmental Sample #1	307
ST-210	KAFB-210-12-100102	111A			Normal Environmental Sample #1	308
ST-210	KAFB-210-12-100102	111A			Normal Environmental Sample #1	309
ST-210	KAFB-210-12-100102	111A	940598-07		Normal Environmental Sample #1	299
ST-210	KAFB-210-12-100102	111A	940598-07		Normal Environmental Sample #1	300
ST-210	KAFB-210-12-100102	111A	940598-07		Normal Environmental Sample #1	301
ST-210	KAFB-210-12-100102	111A	940598-07		Normal Environmental Sample #1	304
ST-210	KAFB-210-12-100102	111A	940598-07		Normal Environmental Sample #1	305
ST-210	KAFB-210-12-110112	111A			Normal Environmental Sample #1	302
ST-210	KAFB-210-12-110112	111A			Normal Environmental Sample #1	303
ST-210	KAFB-210-12-110112	111A			Normal Environmental Sample #1	307
ST-210	KAFB-210-12-110112	111A			Normal Environmental Sample #1	308
ST-210	KAFB-210-12-110112	111A			Normal Environmental Sample #1	309
ST-210	KAFB-210-12-110112	111A	940598-08		Normal Environmental Sample #1	299
ST-210	KAFB-210-12-110112	111A	940598-08		Normal Environmental Sample #1	300
ST-210	KAFB-210-12-110112	111A	940598-08		Normal Environmental Sample #1	301
ST-210	KAFB-210-12-110112	111A	940598-08		Normal Environmental Sample #1	304
ST-210	KAFB-210-12-110112	111A	940598-08		Normal Environmental Sample #1	305
ST-210	KAFB-210-12-120122	011A			Normal Environmental Sample #1	312
ST-210	KAFB-210-12-120122	011A			Normal Environmental Sample #1	313
ST-210	KAFB-210-12-120122	011A			Normal Environmental Sample #1	314
ST-210	KAFB-210-12-120122	011A			Normal Environmental Sample #1	315
ST-210	KAFB-210-12-120122	011A			Normal Environmental Sample #1	317
ST-210	KAFB-210-12-120122	011A			Normal Environmental Sample #1	318
ST-210	KAFB-210-12-120122	011A	940600-02		Normal Environmental Sample #1	310
ST-210	KAFB-210-12-130132	011A			Normal Environmental Sample #1	313
ST-210	KAFB-210-12-130132	011A			Normal Environmental Sample #1	314
ST-210	KAFB-210-12-130132	011A			Normal Environmental Sample #1	315
ST-210	KAFB-210-12-130132	011A			Normal Environmental Sample #1	317
ST-210	KAFB-210-12-130132	011A			Normal Environmental Sample #1	318
ST-210	KAFB-210-12-130132	011A	940600-03		Normal Environmental Sample #1	310
ST-210	KAFB-210-12-130132	011A	940600-03		Normal Environmental Sample #1	312
ST-210	KAFB-210-12-140142	011A			Normal Environmental Sample #1	313
ST-210	KAFB-210-12-140142	011A			Normal Environmental Sample #1	314
ST-210	KAFB-210-12-140142	011A			Normal Environmental Sample #1	315
ST-210	KAFB-210-12-140142	011A			Normal Environmental Sample #1	317
ST-210	KAFB-210-12-140142	011A			Normal Environmental Sample #1	318
ST-210	KAFB-210-12-140142	011A	940600-04		Normal Environmental Sample #1	310
ST-210	KAFB-210-12-140142	011A	940600-04		Normal Environmental Sample #1	312
ST-210	KAFB-210-12-150153	011A			Normal Environmental Sample #1	313
ST-210	KAFB-210-12-150153	011A			Normal Environmental Sample #1	314
ST-210	KAFB-210-12-150153	011A			Normal Environmental Sample #1	318
ST-210	KAFB-210-12-150153	011A			Normal Environmental Sample #1	319
ST-210	KAFB-210-12-150153	011A			Normal Environmental Sample #1	320
ST-210	KAFB-210-12-150153	011A	940600-06		Normal Environmental Sample #1	310
ST-210	KAFB-210-12-150153	011A	940600-06		Normal Environmental Sample #1	311
ST-210	KAFB-210-12-150153	011A	940600-06		Normal Environmental Sample #1	312
ST-210	KAFB-210-12-150153	011A	940600-06MS		Normal Environmental Sample #1	315
ST-210	KAFB-210-12-150153	011A	940600-06MS		Normal Environmental Sample #1	316
ST-210	KAFB-210-12-5759	111A			Normal Environmental Sample #1	302

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ST-210	KAFB-210-12-5759	111A			Normal Environmental Sample #1	303
ST-210	KAFB-210-12-5759	111A			Normal Environmental Sample #1	306
ST-210	KAFB-210-12-5759	111A			Normal Environmental Sample #1	307
ST-210	KAFB-210-12-5759	111A	940598-03		Normal Environmental Sample #1	299
ST-210	KAFB-210-12-5759	111A	940598-03		Normal Environmental Sample #1	301
ST-210	KAFB-210-12-5759	111A	940598-03		Normal Environmental Sample #1	304
ST-210	KAFB-210-12-7072	111A			Normal Environmental Sample #1	302
ST-210	KAFB-210-12-7072	111A			Normal Environmental Sample #1	303
ST-210	KAFB-210-12-7072	111A			Normal Environmental Sample #1	306
ST-210	KAFB-210-12-7072	111A			Normal Environmental Sample #1	307
ST-210	KAFB-210-12-7072	111A	940598-04		Normal Environmental Sample #1	299
ST-210	KAFB-210-12-7072	111A	940598-04		Normal Environmental Sample #1	301
ST-210	KAFB-210-12-7072	111A	940598-04		Normal Environmental Sample #1	304
ST-210	KAFB-210-12-8082	111A			Normal Environmental Sample #1	302
ST-210	KAFB-210-12-8082	111A			Normal Environmental Sample #1	303
ST-210	KAFB-210-12-8082	111A			Normal Environmental Sample #1	306
ST-210	KAFB-210-12-8082	111A			Normal Environmental Sample #1	307
ST-210	KAFB-210-12-8082	111A	940598-05		Normal Environmental Sample #1	299
ST-210	KAFB-210-12-8082	111A	940598-05		Normal Environmental Sample #1	301
ST-210	KAFB-210-12-8082	111A	940598-05		Normal Environmental Sample #1	304
ST-210	KAFB-210-12-9092	111A			Normal Environmental Sample #1	302
ST-210	KAFB-210-12-9092	111A			Normal Environmental Sample #1	303
ST-210	KAFB-210-12-9092	111A			Normal Environmental Sample #1	307
ST-210	KAFB-210-12-9092	111A			Normal Environmental Sample #1	308
ST-210	KAFB-210-12-9092	111A			Normal Environmental Sample #1	309
ST-210	KAFB-210-12-9092	111A	940598-06		Normal Environmental Sample #1	299
ST-210	KAFB-210-12-9092	111A	940598-06		Normal Environmental Sample #1	300
ST-210	KAFB-210-12-9092	111A	940598-06		Normal Environmental Sample #1	301
ST-210	KAFB-210-12-9092	111A	940598-06		Normal Environmental Sample #1	304
ST-210	KAFB-210-12-9092	111A	940598-06		Normal Environmental Sample #1	305
ST-210	KAFB-210-99-0105	011A	0362490011SA	036249	Field Replicate #1	290
ST-210	KAFB-210-99-0105	011A	0362490011SA	940620B	Field Replicate #1	291
ST-210	KAFB-210-99-0105	011A	0362490011SA	940629J	Field Replicate #1	295
ST-210	KAFB-210-99-0105	011A	P276561	26890	Field Replicate #1	296
ST-210	KAFB-210-99-0105	011A	P276561	26890	Field Replicate #1	297
ST-210	KAFB-210-99-0105	011A	P276561	26968	Field Replicate #1	294
ST-210	KAFB-210-99-0105	011A	P276561	26984	Field Replicate #1	298
ST-210	KAFB-210-99-0105	011A	P276561	27102	Field Replicate #1	292
ST-210	KAFB-210-99-0105	011A	P276561	27156	Field Replicate #1	293
ST-210	KAFB-210-99-1216	011A			Field Replicate #1	213
ST-210	KAFB-210-99-1216	011A	P268152	24832	Field Replicate #1	221
ST-210	KAFB-210-99-1216	011A	P268152	24849	Field Replicate #1	217
ST-210	KAFB-210-99-1216	011A	P268152	24849	Field Replicate #1	218
ST-210	KAFB-210-99-1216	011A	P268152	24883	Field Replicate #1	214
ST-210	KAFB-210-99-1216	011A	P268152	24898	Field Replicate #1	209
ST-210	KAFB-210-99-1216	011A	P268152	25006	Field Replicate #1	212
ST-210	KAFB-210-99-1216	011A	P268152	25023	Field Replicate #1	210
ST-210	KAFB-210-99-1216	011A	P268152	25023	Field Replicate #1	211
ST-210	KAFB-210-99-1216	011A	P268152	26084	Field Replicate #1	215
ST-210	KAFB-210-99-2224	011A	0361310003SA	036131	Field Replicate #1	240
ST-210	KAFB-210-99-2224	011A	0361310003SA	940620K	Field Replicate #1	241
ST-210	KAFB-210-99-2224	011A	0361310003SA	940624J	Field Replicate #1	246

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Site	Field ID	Fld Lot	Lab ID	Lab Lot	Sample Description	Page
ST-210	KAFB-210-99-3236	011A			Field Replicate #1	252
ST-210	KAFB-210-99-3236	011A	0361310005SA	036131	Field Replicate #1	240
ST-210	KAFB-210-99-3236	011A	0361310005SA	940615A1	Field Replicate #1	242
ST-210	KAFB-210-99-3236	011A	0361310005SA	940618A	Field Replicate #1	241
ST-210	KAFB-210-99-3236	011A	0361310005SA	940622A1	Field Replicate #1	248
ST-210	KAFB-210-99-3236	011A	0361310005SA	940622A1	Field Replicate #1	249
ST-210	KAFB-210-99-3236	011A	0361310005SA	940624J	Field Replicate #1	246
ST-210	KAFB-210-99-3236	011A	0361310005SA	940624J	Field Replicate #1	247
ST-210	KAFB-210-99-3236	011A	0361310005SA	9406279C	Field Replicate #1	245
ST-210	KAFB-210-99-3236	011A	0361310005SA	9407019E	Field Replicate #1	243
ST-210	KAFB-210-99-4549	011A	0360700012SA	036070	Field Replicate #1	253
ST-210	KAFB-210-99-4549	011A	0360700012SA	940615A1	Field Replicate #1	255
ST-210	KAFB-210-99-4549	011A	0360700012SA	940616B	Field Replicate #1	254
ST-210	KAFB-210-99-4549	011A	0360700012SA	940622A1	Field Replicate #1	260
ST-210	KAFB-210-99-4549	011A	0360700012SA	940622A1	Field Replicate #1	261
ST-210	KAFB-210-99-4549	011A	0360700012SA	9406279C	Field Replicate #1	257
ST-210	KAFB-210-99-4549	011A	0360700012SA	9406284A	Field Replicate #1	262
ST-210	KAFB-210-99-4549	011A	0360700012SA	940629A2	Field Replicate #1	258
ST-210	KAFB-210-99-4549	011A	0360700012SA	940629A2	Field Replicate #1	259
ST-210	KAFB-210-99-4549	011A	0360700012SA	9407019E	Field Replicate #1	256
ST-210	KAFB-246-99-140142	011A			Field Replicate #1	313
ST-210	KAFB-246-99-140142	011A			Field Replicate #1	314
ST-210	KAFB-246-99-140142	011A			Field Replicate #1	315
ST-210	KAFB-246-99-140142	011A			Field Replicate #1	316
ST-210	KAFB-246-99-140142	011A			Field Replicate #1	318
ST-210	KAFB-246-99-140142	011A			Field Replicate #1	319
ST-210	KAFB-246-99-140142	011A			Field Replicate #1	320
ST-210	KAFB-246-99-140142	011A	940600-04		Field Replicate #1	310
ST-210	KAFB-246-99-140142	011A	940600-04		Field Replicate #1	311
ST-210	KAFB-246-99-140142	011A	940600-04		Field Replicate #1	312
ST-210	KAFB-AB-210-060994	111A			Ambient Conditions Blank #1	238
ST-210	KAFB-AB-210-060994	111A			Ambient Conditions Blank #1	239
ST-210	KAFB-AB-210-060994	111A			Ambient Conditions Blank #1	264
ST-210	KAFB-AB-210-060994	111A			Ambient Conditions Blank #1	268
ST-210	KAFB-AB-210-060994	111A	0360700017AB	940622L	Ambient Conditions Blank #1	239
ST-210	KAFB-AB-210-060994	111A	0360700017AB	940622L	Ambient Conditions Blank #1	268
ST-210	KAFB-AB-210-070694	111A			Ambient Conditions Blank #1	302
ST-210	KAFB-AB-210-070694	111A			Ambient Conditions Blank #1	306
ST-210	KAFB-AB-210-070694	111A			Ambient Conditions Blank #1	307
ST-210	KAFB-AB-210-070694	111A			Ambient Conditions Blank #1	308
ST-210	KAFB-AB-210-070694	111A			Ambient Conditions Blank #1	309
ST-210	KAFB-AB-210-070694	111A	940598-01		Ambient Conditions Blank #1	304
ST-210	KAFB-AB-210-070694	111A	940598-01		Ambient Conditions Blank #1	305
ST-210	KAFB-EB-210-032494	111A	P268056	24787	Equipment Blank #1	206
ST-210	KAFB-EB-210-032494	111A	P268056	24787	Equipment Blank #1	207
ST-210	KAFB-EB-210-032494	111A	P268056	24787	Equipment Blank #1	228
ST-210	KAFB-EB-210-032494	111A	P268056	24787	Equipment Blank #1	229
ST-210	KAFB-EB-210-032494	111A	P268056	24788	Equipment Blank #1	204
ST-210	KAFB-EB-210-032494	111A	P268056	24788	Equipment Blank #1	226
ST-210	KAFB-EB-210-032494	111A	P268056	24842	Equipment Blank #1	202
ST-210	KAFB-EB-210-032494	111A	P268056	24842	Equipment Blank #1	224
ST-210	KAFB-EB-210-032494	111A	P268056	25056	Equipment Blank #1	201

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Site	Field ID	Fld Lot	Lab ID	Lab Lot	Sample Description	Page
ST-210	KAFB-EB-210-032494	111A	P268056	25056	Equipment Blank #1	223
ST-210	KAFB-EB-210-032494	111A	P268056	26156	Equipment Blank #1	203
ST-210	KAFB-EB-210-032494	111A	P268056	26156	Equipment Blank #1	225
ST-210	KAFB-EB-210-032594	011A	P268150	24823	Equipment Blank #1	214
ST-210	KAFB-EB-210-032594	011A	P268150	24842	Equipment Blank #1	212
ST-210	KAFB-EB-210-032594	011A	P268150	24848	Equipment Blank #1	217
ST-210	KAFB-EB-210-032594	011A	P268150	24848	Equipment Blank #1	218
ST-210	KAFB-EB-210-032594	011A	P268150	24848	Equipment Blank #1	219
ST-210	KAFB-EB-210-032594	011A	P268150	24848	Equipment Blank #1	220
ST-210	KAFB-EB-210-032594	011A	P268150	25056	Equipment Blank #1	210
ST-210	KAFB-EB-210-032594	011A	P268150	25056	Equipment Blank #1	211
ST-210	KAFB-EB-210-032594	011A	P268150	26156	Equipment Blank #1	213
ST-210	KAFB-EB-210-060894	011A	0360700002EB	940615B	Equipment Blank #1	232
ST-210	KAFB-EB-210-060894	011A	0360700002EB	940615B	Equipment Blank #1	233
ST-210	KAFB-EB-210-060894	011A	0360700002EB	940615B	Equipment Blank #1	235
ST-210	KAFB-EB-210-060894	011A	0360700002EB	940615B	Equipment Blank #1	236
ST-210	KAFB-EB-210-060894	011A	0360700002EB	940615B	Equipment Blank #1	254
ST-210	KAFB-EB-210-060894	011A	0360700002EB	940615B	Equipment Blank #1	258
ST-210	KAFB-EB-210-060894	011A	0360700002EB	940615B	Equipment Blank #1	259
ST-210	KAFB-EB-210-060894	011A	0360700002EB	940622J	Equipment Blank #1	233
ST-210	KAFB-EB-210-060894	011A	0360700002EB	940622J	Equipment Blank #1	236
ST-210	KAFB-EB-210-060894	011A	0360700002EB	940622J	Equipment Blank #1	258
ST-210	KAFB-EB-210-060894	011A	0360700002EB	940622J	Equipment Blank #1	259
ST-210	KAFB-EB-210-060894	011A	0360700010EB	940611A1	Equipment Blank #1	255
ST-210	KAFB-EB-210-060894	011A	0360700010EB	940613A1	Equipment Blank #1	260
ST-210	KAFB-EB-210-060894	011A	0360700010EB	940613A1	Equipment Blank #1	261
ST-210	KAFB-EB-210-060894	011A	0360700010EB	940616E6	Equipment Blank #1	257
ST-210	KAFB-EB-210-060894	011A	0360700010EB	9407019A	Equipment Blank #1	256
ST-210	KAFB-EB-210-060994	111A	0360700015EB	940611A1	Equipment Blank #1	265
ST-210	KAFB-EB-210-060994	111A	0360700015EB	940613A1	Equipment Blank #1	269
ST-210	KAFB-EB-210-060994	111A	0360700015EB	940613A1	Equipment Blank #1	270
ST-210	KAFB-EB-210-060994	111A	0360700015EB	940615B	Equipment Blank #1	238
ST-210	KAFB-EB-210-060994	111A	0360700015EB	940615B	Equipment Blank #1	239
ST-210	KAFB-EB-210-060994	111A	0360700015EB	940615B	Equipment Blank #1	264
ST-210	KAFB-EB-210-060994	111A	0360700015EB	940615B	Equipment Blank #1	268
ST-210	KAFB-EB-210-060994	111A	0360700015EB	940616E6	Equipment Blank #1	267
ST-210	KAFB-EB-210-060994	111A	0360700015EB	940622J	Equipment Blank #1	239
ST-210	KAFB-EB-210-060994	111A	0360700015EB	940622J	Equipment Blank #1	268
ST-210	KAFB-EB-210-060994	111A	0360700015EB	9407069A	Equipment Blank #1	266
ST-210	KAFB-EB-210-061094	011A	0361300002EB	940615B	Equipment Blank #1	241
ST-210	KAFB-EB-210-061094	011A	0361300002EB	940615B	Equipment Blank #1	246
ST-210	KAFB-EB-210-061094	011A	0361300002EB	940615B	Equipment Blank #1	247
ST-210	KAFB-EB-210-061094	011A	0361310002EB	940613A1	Equipment Blank #1	248
ST-210	KAFB-EB-210-061094	011A	0361310002EB	940613A1	Equipment Blank #1	249
ST-210	KAFB-EB-210-061094	011A	0361310002EB	940613A1	Equipment Blank #1	250
ST-210	KAFB-EB-210-061094	011A	0361310002EB	940613A1	Equipment Blank #1	251
ST-210	KAFB-EB-210-061094	011A	0361310002EB	940616A1	Equipment Blank #1	242
ST-210	KAFB-EB-210-061094	011A	0361310002EB	940616E6	Equipment Blank #1	245
ST-210	KAFB-EB-210-061094	011A	0361310002EB	940624J	Equipment Blank #1	246
ST-210	KAFB-EB-210-061094	011A	0361310002EB	940624J	Equipment Blank #1	247
ST-210	KAFB-EB-210-061094	011A	0361310002EB	9407019A	Equipment Blank #1	243
ST-210	KAFB-EB-210-061094	011A	0361310002EB	9407019A	Equipment Blank #1	244

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ST-210	KAFB-EB-210-070694	111A			Equipment Blank #1	301
ST-210	KAFB-EB-210-070694	111A			Equipment Blank #1	302
ST-210	KAFB-EB-210-070694	111A			Equipment Blank #1	303
ST-210	KAFB-EB-210-070694	111A			Equipment Blank #1	306
ST-210	KAFB-EB-210-070694	111A			Equipment Blank #1	307
ST-210	KAFB-EB-210-070694	111A			Equipment Blank #1	308
ST-210	KAFB-EB-210-070694	111A			Equipment Blank #1	309
ST-210	KAFB-EB-210-070694	111A	940598-02		Equipment Blank #1	299
ST-210	KAFB-EB-210-070694	111A	940598-02		Equipment Blank #1	300
ST-210	KAFB-EB-210-070694	111A	940598-02		Equipment Blank #1	304
ST-210	KAFB-EB-210-070694	111A	940598-02		Equipment Blank #1	305
ST-210	KAFB-EB-210-070794	011A			Equipment Blank #1	312
ST-210	KAFB-EB-210-070794	011A			Equipment Blank #1	313
ST-210	KAFB-EB-210-070794	011A			Equipment Blank #1	314
ST-210	KAFB-EB-210-070794	011A			Equipment Blank #1	317
ST-210	KAFB-EB-210-070794	011A			Equipment Blank #1	318
ST-210	KAFB-EB-210-070794	011A			Equipment Blank #1	319
ST-210	KAFB-EB-210-070794	011A			Equipment Blank #1	320
ST-210	KAFB-EB-210-070794	011A	0366840002EB	940713J	Equipment Blank #1	315
ST-210	KAFB-EB-210-070794	011A	0366840002EB	940713J	Equipment Blank #1	316
ST-210	KAFB-EB-210-070794	011A	940600-01		Equipment Blank #1	310
ST-210	KAFB-EB-210-070794	011A	940600-01		Equipment Blank #1	311
ST-210	KAFB-EB-221-061594		0362490002EB	9406236K	Equipment Blank #1	199
ST-210	KAFB-EB-221-061594	011A	0362490002EB	9406236K	Equipment Blank #1	273
ST-210	KAFB-EB-221-061594	011A	0362490002EB	9406236K	Equipment Blank #1	277
ST-210	KAFB-EB-221-061594	011A	0362490002EB	9406236K	Equipment Blank #1	282
ST-210	KAFB-EB-221-061594	011A	0362490002EB	9406236K	Equipment Blank #1	286
ST-210	KAFB-EB-221-061594	011A	0362490002EB	9406236K	Equipment Blank #1	291
ST-210	KAFB-EB-221-061594	011A	0362490002EB	9406236K	Equipment Blank #1	295
ST-210	KAFB-EB-221-061594	011A	0362490002EB	940628N	Equipment Blank #1	277
ST-210	KAFB-EB-221-061594	011A	0362490002EB	940628N	Equipment Blank #1	286
ST-210	KAFB-EB-221-061594	011A	0362490002EB	940628N	Equipment Blank #1	295
ST-210	KAFB-EB-221-061594	011A	P276552	26794	Equipment Blank #1	278
ST-210	KAFB-EB-221-061594	011A	P276552	26794	Equipment Blank #1	279
ST-210	KAFB-EB-221-061594	011A	P276552	26794	Equipment Blank #1	287
ST-210	KAFB-EB-221-061594	011A	P276552	26794	Equipment Blank #1	288
ST-210	KAFB-EB-221-061594	011A	P276552	26794	Equipment Blank #1	296
ST-210	KAFB-EB-221-061594	011A	P276552	26794	Equipment Blank #1	297
ST-210	KAFB-EB-221-061594	011A	P276552	26796	Equipment Blank #1	276
ST-210	KAFB-EB-221-061594	011A	P276552	26796	Equipment Blank #1	285
ST-210	KAFB-EB-221-061594	011A	P276552	26796	Equipment Blank #1	294
ST-210	KAFB-EB-221-061594	011A	P276552	26805	Equipment Blank #1	274
ST-210	KAFB-EB-221-061594	011A	P276552	26805	Equipment Blank #1	283
ST-210	KAFB-EB-221-061594	011A	P276552	26805	Equipment Blank #1	292
ST-210	KAFB-EB-221-061594	011A	P276552	26880	Equipment Blank #1	275
ST-210	KAFB-EB-221-061594	011A	P276552	26880	Equipment Blank #1	284
ST-210	KAFB-EB-221-061594	011A	P276552	26880	Equipment Blank #1	293
ST-210	KAFB-TB-01-060894	011A			Trip Blank #1	232
ST-210	KAFB-TB-01-060894	011A			Trip Blank #1	233
ST-210	KAFB-TB-01-060894	011A			Trip Blank #1	235
ST-210	KAFB-TB-01-060894	011A			Trip Blank #1	236
ST-210	KAFB-TB-01-060894	011A			Trip Blank #1	254

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Site	Field ID	Fld Lot	Lab ID	Lab Lot	Sample Description	Page
ST-210	KAFB-TB-01-060894	011A			Trip Blank #1	258
ST-210	KAFB-TB-01-060894	011A			Trip Blank #1	259
ST-210	KAFB-TB-01-060894	011A	0360700001TB	940622J	Trip Blank #1	233
ST-210	KAFB-TB-01-060894	011A	0360700001TB	940622J	Trip Blank #1	236
ST-210	KAFB-TB-01-060894	011A	0360700001TB	940622J	Trip Blank #1	258
ST-210	KAFB-TB-01-060894	011A	0360700001TB	940622J	Trip Blank #1	259
ST-210	KAFB-TB-01-060994	111A			Trip Blank #1	238
ST-210	KAFB-TB-01-060994	111A			Trip Blank #1	239
ST-210	KAFB-TB-01-060994	111A			Trip Blank #1	264
ST-210	KAFB-TB-01-060994	111A			Trip Blank #1	268
ST-210	KAFB-TB-01-060994	111A	0360700014TB	940622J	Trip Blank #1	239
ST-210	KAFB-TB-01-060994	111A	0360700014TB	940622J	Trip Blank #1	268
ST-210	KAFB-TB-01-061094	011A			Trip Blank #1	241
ST-210	KAFB-TB-01-061094	011A			Trip Blank #1	246
ST-210	KAFB-TB-01-061094	011A			Trip Blank #1	247
ST-210	KAFB-TB-01-061094	011A	0361310001TB	940624J	Trip Blank #1	246
ST-210	KAFB-TB-01-061094	011A	0361310001TB	940624J	Trip Blank #1	247
ST-210	KAFB-TB-01-061594				Trip Blank #1	199
ST-210	KAFB-TB-01-061594	011A			Trip Blank #1	273
ST-210	KAFB-TB-01-061594	011A			Trip Blank #1	277
ST-210	KAFB-TB-01-061594	011A			Trip Blank #1	282
ST-210	KAFB-TB-01-061594	011A			Trip Blank #1	286
ST-210	KAFB-TB-01-061594	011A			Trip Blank #1	291
ST-210	KAFB-TB-01-061594	011A			Trip Blank #1	295
ST-210	KAFB-TB-01-061594	011A	0362490001TB	940628N	Trip Blank #1	277
ST-210	KAFB-TB-01-061594	011A	0362490001TB	940628N	Trip Blank #1	286
ST-210	KAFB-TB-01-061594	011A	0362490001TB	940628N	Trip Blank #1	295
ST-210	KAFB-TB-01-070694	111A			Trip Blank #1	302
ST-210	KAFB-TB-01-070694	111A	940598-09		Trip Blank #1	304
ST-210	KAFB-TB-01-070694	111A	940598-09		Trip Blank #1	305
ST-210	KAFB-TB-01-070794	011A			Trip Blank #1	313
ST-210	KAFB-TB-01-070794	011A	940600-07		Trip Blank #1	315
ST-210	KAFB-TB-01-070794	011A	940600-07		Trip Blank #1	316
ST-211	KAFB-211-01-0711	011A			Normal Environmental Sample #1	324
ST-211	KAFB-211-01-0711	011A	0352200003SA	035220	Normal Environmental Sample #1	321
ST-211	KAFB-211-01-0711	011A	0352200003SA	940512D	Normal Environmental Sample #1	326
ST-211	KAFB-211-01-0711	011A	P271892	25800	Normal Environmental Sample #1	329
ST-211	KAFB-211-01-0711	011A	P271892	25838	Normal Environmental Sample #1	322
ST-211	KAFB-211-01-0711	011A	P271892	25887	Normal Environmental Sample #1	327
ST-211	KAFB-211-01-0711	011A	P271892	25887	Normal Environmental Sample #1	328
ST-211	KAFB-211-01-0711	011A	P271892	25889	Normal Environmental Sample #1	325
ST-211	KAFB-211-01-0711	011A	P271892	25955	Normal Environmental Sample #1	323
ST-211	KAFB-211-01-1216	011A			Normal Environmental Sample #1	324
ST-211	KAFB-211-01-1216	011A	0352200004SA	035220	Normal Environmental Sample #1	321
ST-211	KAFB-211-01-1216	011A	0352200004SA	940512D	Normal Environmental Sample #1	326
ST-211	KAFB-211-01-1216	011A	P271893	25800	Normal Environmental Sample #1	329
ST-211	KAFB-211-01-1216	011A	P271893	25838	Normal Environmental Sample #1	322
ST-211	KAFB-211-01-1216	011A	P271893	25887	Normal Environmental Sample #1	327
ST-211	KAFB-211-01-1216	011A	P271893	25887	Normal Environmental Sample #1	328
ST-211	KAFB-211-01-1216	011A	P271893	25889	Normal Environmental Sample #1	325
ST-211	KAFB-211-01-1216	011A	P271893	25955	Normal Environmental Sample #1	323
ST-211	KAFB-211-02-0711	011A			Normal Environmental Sample #1	333

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ST-211	KAFB-211-02-0711	011A	0352200005SA	035220	Normal Environmental Sample #1	330
ST-211	KAFB-211-02-0711	011A	0352200005SA	940512D	Normal Environmental Sample #1	335
ST-211	KAFB-211-02-0711	011A	P271894	25800	Normal Environmental Sample #1	338
ST-211	KAFB-211-02-0711	011A	P271894	25838	Normal Environmental Sample #1	331
ST-211	KAFB-211-02-0711	011A	P271894	25887	Normal Environmental Sample #1	336
ST-211	KAFB-211-02-0711	011A	P271894	25887	Normal Environmental Sample #1	337
ST-211	KAFB-211-02-0711	011A	P271894	25955	Normal Environmental Sample #1	332
ST-211	KAFB-211-02-0711	011A	P271894	26740	Normal Environmental Sample #1	334
ST-211	KAFB-211-02-1216	011A			Normal Environmental Sample #1	333
ST-211	KAFB-211-02-1216	011A	0352200006SA	035220	Normal Environmental Sample #1	330
ST-211	KAFB-211-02-1216	011A	0352200006SA	940512D	Normal Environmental Sample #1	335
ST-211	KAFB-211-02-1216	011A	P271895	25800	Normal Environmental Sample #1	338
ST-211	KAFB-211-02-1216	011A	P271895	25838	Normal Environmental Sample #1	331
ST-211	KAFB-211-02-1216	011A	P271895	25887	Normal Environmental Sample #1	336
ST-211	KAFB-211-02-1216	011A	P271895	25887	Normal Environmental Sample #1	337
ST-211	KAFB-211-02-1216	011A	P271895	25889	Normal Environmental Sample #1	334
ST-211	KAFB-211-02-1216	011A	P271895	25955	Normal Environmental Sample #1	332
ST-211	KAFB-211-03-0813	011A			Normal Environmental Sample #1	342
ST-211	KAFB-211-03-0813	011A	0352200007SA	035220	Normal Environmental Sample #1	339
ST-211	KAFB-211-03-0813	011A	0352200007SA	940512D	Normal Environmental Sample #1	344
ST-211	KAFB-211-03-0813	011A	P271896	25800	Normal Environmental Sample #1	347
ST-211	KAFB-211-03-0813	011A	P271896	25838	Normal Environmental Sample #1	340
ST-211	KAFB-211-03-0813	011A	P271896	25887	Normal Environmental Sample #1	345
ST-211	KAFB-211-03-0813	011A	P271896	25887	Normal Environmental Sample #1	346
ST-211	KAFB-211-03-0813	011A	P271896	25955	Normal Environmental Sample #1	341
ST-211	KAFB-211-03-0813	011A	P271896	26740	Normal Environmental Sample #1	343
ST-211	KAFB-211-03-1320	011A			Normal Environmental Sample #1	342
ST-211	KAFB-211-03-1320	011A	0352200008SA	035220	Normal Environmental Sample #1	339
ST-211	KAFB-211-03-1320	011A	0352200008SA	940512D	Normal Environmental Sample #1	344
ST-211	KAFB-211-03-1320	011A	P271897	25800	Normal Environmental Sample #1	347
ST-211	KAFB-211-03-1320	011A	P271897	25838	Normal Environmental Sample #1	340
ST-211	KAFB-211-03-1320	011A	P271897	25887	Normal Environmental Sample #1	345
ST-211	KAFB-211-03-1320	011A	P271897	25887	Normal Environmental Sample #1	346
ST-211	KAFB-211-03-1320	011A	P271897	25889	Normal Environmental Sample #1	343
ST-211	KAFB-211-03-1320	011A	P271897	25955	Normal Environmental Sample #1	341
ST-211	KAFB-211-04-0711	011A			Normal Environmental Sample #1	351
ST-211	KAFB-211-04-0711	011A	0352200010SA	035220	Normal Environmental Sample #1	348
ST-211	KAFB-211-04-0711	011A	0352200010SA	940512D	Normal Environmental Sample #1	353
ST-211	KAFB-211-04-0711	011A	P271899	25800	Normal Environmental Sample #1	356
ST-211	KAFB-211-04-0711	011A	P271899	25838	Normal Environmental Sample #1	349
ST-211	KAFB-211-04-0711	011A	P271899	25887	Normal Environmental Sample #1	354
ST-211	KAFB-211-04-0711	011A	P271899	25887	Normal Environmental Sample #1	355
ST-211	KAFB-211-04-0711	011A	P271899	25889	Normal Environmental Sample #1	352
ST-211	KAFB-211-04-0711	011A	P271899	25955	Normal Environmental Sample #1	350
ST-211	KAFB-211-04-1216	011A			Normal Environmental Sample #1	351
ST-211	KAFB-211-04-1216	011A	0352200011MS	940512D	Normal Environmental Sample #1	353
ST-211	KAFB-211-04-1216	011A	0352200011SA	035220	Normal Environmental Sample #1	348
ST-211	KAFB-211-04-1216	011A	P271900	25800	Normal Environmental Sample #1	356
ST-211	KAFB-211-04-1216	011A	P271900	25838	Normal Environmental Sample #1	349
ST-211	KAFB-211-04-1216	011A	P271900	25887	Normal Environmental Sample #1	354
ST-211	KAFB-211-04-1216	011A	P271900	25887	Normal Environmental Sample #1	355
ST-211	KAFB-211-04-1216	011A	P271900	25889	Normal Environmental Sample #1	352

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ST-211	KAFB-211-04-1216	011A	P271900	25955	Normal Environmental Sample #1	350
ST-211	KAFB-211-05-0712	011A	0352750011MS	9405066K	Normal Environmental Sample #1	358
ST-211	KAFB-211-05-0712	011A	0352750011MS	940516D	Normal Environmental Sample #1	362
ST-211	KAFB-211-05-0712	011A	0352750011SA	035275	Normal Environmental Sample #1	357
ST-211	KAFB-211-05-0712	011A	P272048	25800	Normal Environmental Sample #1	365
ST-211	KAFB-211-05-0712	011A	P272048	25838	Normal Environmental Sample #1	359
ST-211	KAFB-211-05-0712	011A	P272048	25888	Normal Environmental Sample #1	363
ST-211	KAFB-211-05-0712	011A	P272048	25888	Normal Environmental Sample #1	364
ST-211	KAFB-211-05-0712	011A	P272048	25890	Normal Environmental Sample #1	361
ST-211	KAFB-211-05-0712	011A	P272048	25955	Normal Environmental Sample #1	360
ST-211	KAFB-211-05-1217	011A	0352750012SA	035275	Normal Environmental Sample #1	357
ST-211	KAFB-211-05-1217	011A	0352750012SA	9405066K	Normal Environmental Sample #1	358
ST-211	KAFB-211-05-1217	011A	0352750012SA	940516D	Normal Environmental Sample #1	362
ST-211	KAFB-211-05-1217	011A	P272049	25801	Normal Environmental Sample #1	365
ST-211	KAFB-211-05-1217	011A	P272049	25838	Normal Environmental Sample #1	359
ST-211	KAFB-211-05-1217	011A	P272049	25888	Normal Environmental Sample #1	363
ST-211	KAFB-211-05-1217	011A	P272049	25888	Normal Environmental Sample #1	364
ST-211	KAFB-211-05-1217	011A	P272049	25890	Normal Environmental Sample #1	361
ST-211	KAFB-211-05-1217	011A	P272049	25955	Normal Environmental Sample #1	360
ST-211	KAFB-211-99-0711	011A			Field Replicate #1	351
ST-211	KAFB-211-99-0711	011A	0352200010SA	035220	Field Replicate #1	348
ST-211	KAFB-211-99-0711	011A	0352200010SA	940512D	Field Replicate #1	353
ST-211	KAFB-211-99-0711	011A	P271899	25800	Field Replicate #1	356
ST-211	KAFB-211-99-0711	011A	P271899	25838	Field Replicate #1	349
ST-211	KAFB-211-99-0711	011A	P271899	25887	Field Replicate #1	354
ST-211	KAFB-211-99-0711	011A	P271899	25887	Field Replicate #1	355
ST-211	KAFB-211-99-0711	011A	P271899	25889	Field Replicate #1	352
ST-211	KAFB-211-99-0711	011A	P271899	25955	Field Replicate #1	350
ST-211	KAFB-211-99-1320	011A			Field Replicate #1	342
ST-211	KAFB-211-99-1320	011A	0352200008SA	035220	Field Replicate #1	339
ST-211	KAFB-211-99-1320	011A	0352200008SA	940512D	Field Replicate #1	344
ST-211	KAFB-211-99-1320	011A	P271897	25800	Field Replicate #1	347
ST-211	KAFB-211-99-1320	011A	P271897	25838	Field Replicate #1	340
ST-211	KAFB-211-99-1320	011A	P271897	25887	Field Replicate #1	345
ST-211	KAFB-211-99-1320	011A	P271897	25887	Field Replicate #1	346
ST-211	KAFB-211-99-1320	011A	P271897	25889	Field Replicate #1	343
ST-211	KAFB-211-99-1320	011A	P271897	25955	Field Replicate #1	341
ST-211	KAFB-EB-211-050294	011A	0352200002EB	940512D	Equipment Blank #1	326
ST-211	KAFB-EB-211-050294	011A	0352200002EB	940512D	Equipment Blank #1	335
ST-211	KAFB-EB-211-050294	011A	0352200002EB	940512D	Equipment Blank #1	344
ST-211	KAFB-EB-211-050294	011A	0352200002EB	940512D	Equipment Blank #1	353
ST-211	KAFB-EB-211-050294	011A	P271891	25818	Equipment Blank #1	327
ST-211	KAFB-EB-211-050294	011A	P271891	25818	Equipment Blank #1	328
ST-211	KAFB-EB-211-050294	011A	P271891	25818	Equipment Blank #1	336
ST-211	KAFB-EB-211-050294	011A	P271891	25818	Equipment Blank #1	337
ST-211	KAFB-EB-211-050294	011A	P271891	25818	Equipment Blank #1	345
ST-211	KAFB-EB-211-050294	011A	P271891	25818	Equipment Blank #1	346
ST-211	KAFB-EB-211-050294	011A	P271891	25818	Equipment Blank #1	354
ST-211	KAFB-EB-211-050294	011A	P271891	25818	Equipment Blank #1	355
ST-211	KAFB-EB-211-050294	011A	P271891	25822	Equipment Blank #1	325
ST-211	KAFB-EB-211-050294	011A	P271891	25822	Equipment Blank #1	334
ST-211	KAFB-EB-211-050294	011A	P271891	25822	Equipment Blank #1	343

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ST-211	KAFB-EB-211-050294	011A	P271891	25822	Equipment Blank #1	352
ST-211	KAFB-EB-211-050294	011A	P271891	25929	Equipment Blank #1	323
ST-211	KAFB-EB-211-050294	011A	P271891	25929	Equipment Blank #1	332
ST-211	KAFB-EB-211-050294	011A	P271891	25929	Equipment Blank #1	341
ST-211	KAFB-EB-211-050294	011A	P271891	25929	Equipment Blank #1	350
ST-211	KAFB-EB-211-050294	011A	P271891	25961	Equipment Blank #1	322
ST-211	KAFB-EB-211-050294	011A	P271891	25961	Equipment Blank #1	331
ST-211	KAFB-EB-211-050294	011A	P271891	25961	Equipment Blank #1	340
ST-211	KAFB-EB-211-050294	011A	P271891	25961	Equipment Blank #1	349
ST-211	KAFB-EB-211-050294	011A	P271891	26743	Equipment Blank #1	324
ST-211	KAFB-EB-211-050294	011A	P271891	26743	Equipment Blank #1	326
ST-211	KAFB-EB-211-050294	011A	P271891	26743	Equipment Blank #1	333
ST-211	KAFB-EB-211-050294	011A	P271891	26743	Equipment Blank #1	335
ST-211	KAFB-EB-211-050294	011A	P271891	26743	Equipment Blank #1	342
ST-211	KAFB-EB-211-050294	011A	P271891	26743	Equipment Blank #1	344
ST-211	KAFB-EB-211-050294	011A	P271891	26743	Equipment Blank #1	351
ST-211	KAFB-EB-211-050294	011A	P271891	26743	Equipment Blank #1	353
ST-211	KAFB-EB-211-050394	011A	0352750002EB	9405106K	Equipment Blank #1	358
ST-211	KAFB-EB-211-050394	011A	0352750002EB	9405106K	Equipment Blank #1	362
ST-211	KAFB-EB-211-050394	011A	0352750002EB	940517J	Equipment Blank #1	362
ST-211	KAFB-EB-211-050394	011A	P272039	25929	Equipment Blank #1	360
ST-211	KAFB-EB-211-050394	011A	P272039	25961	Equipment Blank #1	359
ST-211	KAFB-TB-01-050294	011A			Trip Blank #1	326
ST-211	KAFB-TB-01-050294	011A			Trip Blank #1	335
ST-211	KAFB-TB-01-050294	011A			Trip Blank #1	344
ST-211	KAFB-TB-01-050294	011A			Trip Blank #1	353
ST-211	KAFB-TB-01-050294	011A	0352200001TB	940512D	Trip Blank #1	326
ST-211	KAFB-TB-01-050294	011A	0352200001TB	940512D	Trip Blank #1	335
ST-211	KAFB-TB-01-050294	011A	0352200001TB	940512D	Trip Blank #1	344
ST-211	KAFB-TB-01-050294	011A	0352200001TB	940512D	Trip Blank #1	353
ST-211	KAFB-TB-01-050394	011A	0352750001TB	9405106K	Trip Blank #1	358
ST-211	KAFB-TB-01-050394	011A	0352750001TB	9405106K	Trip Blank #1	362
ST-211	KAFB-TB-01-050394	011A	0352750001TB	940516D	Trip Blank #1	362
ST-212	KAFB-212-01-0810	011A			Normal Environmental Sample #1	369
ST-212	KAFB-212-01-0810	011A	0347900016SA	034790	Normal Environmental Sample #1	366
ST-212	KAFB-212-01-0810	011A	0347900016SA	940426D	Normal Environmental Sample #1	371
ST-212	KAFB-212-01-0810	011A	P269624	25326	Normal Environmental Sample #1	374
ST-212	KAFB-212-01-0810	011A	P269624	25332	Normal Environmental Sample #1	372
ST-212	KAFB-212-01-0810	011A	P269624	25332	Normal Environmental Sample #1	373
ST-212	KAFB-212-01-0810	011A	P269624	25361	Normal Environmental Sample #1	370
ST-212	KAFB-212-01-0810	011A	P269624	25370	Normal Environmental Sample #1	367
ST-212	KAFB-212-01-0810	011A	P269624	25769	Normal Environmental Sample #1	368
ST-212	KAFB-212-01-1316	011A			Normal Environmental Sample #1	369
ST-212	KAFB-212-01-1316	011A	0347900017SA	034790	Normal Environmental Sample #1	366
ST-212	KAFB-212-01-1316	011A	0347900017SA	940426D	Normal Environmental Sample #1	371
ST-212	KAFB-212-01-1316	011A	P269625	25326	Normal Environmental Sample #1	374
ST-212	KAFB-212-01-1316	011A	P269625	25332	Normal Environmental Sample #1	372
ST-212	KAFB-212-01-1316	011A	P269625	25332	Normal Environmental Sample #1	373
ST-212	KAFB-212-01-1316	011A	P269625	25361	Normal Environmental Sample #1	370
ST-212	KAFB-212-01-1316	011A	P269625	25370	Normal Environmental Sample #1	367
ST-212	KAFB-212-01-1316	011A	P269625	25769	Normal Environmental Sample #1	368
ST-212	KAFB-212-02-0812	011A			Normal Environmental Sample #1	378

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ST-212	KAFB-212-02-0812	011A	0347900018SA	034790	Normal Environmental Sample #1	375
ST-212	KAFB-212-02-0812	011A	0347900018SA	940426D	Normal Environmental Sample #1	380
ST-212	KAFB-212-02-0812	011A	P269626	25326	Normal Environmental Sample #1	383
ST-212	KAFB-212-02-0812	011A	P269626	25332	Normal Environmental Sample #1	381
ST-212	KAFB-212-02-0812	011A	P269626	25332	Normal Environmental Sample #1	382
ST-212	KAFB-212-02-0812	011A	P269626	25361	Normal Environmental Sample #1	379
ST-212	KAFB-212-02-0812	011A	P269626	25370	Normal Environmental Sample #1	376
ST-212	KAFB-212-02-0812	011A	P269626	25769	Normal Environmental Sample #1	377
ST-212	KAFB-212-02-1315	011A			Normal Environmental Sample #1	378
ST-212	KAFB-212-02-1315	011A	0347900020SA	034790	Normal Environmental Sample #1	375
ST-212	KAFB-212-02-1315	011A	0347900020SA	940426D	Normal Environmental Sample #1	380
ST-212	KAFB-212-02-1315	011A	P269628	25326	Normal Environmental Sample #1	383
ST-212	KAFB-212-02-1315	011A	P269628	25332	Normal Environmental Sample #1	381
ST-212	KAFB-212-02-1315	011A	P269628	25332	Normal Environmental Sample #1	382
ST-212	KAFB-212-02-1315	011A	P269628	25361	Normal Environmental Sample #1	379
ST-212	KAFB-212-02-1315	011A	P269628	25370	Normal Environmental Sample #1	376
ST-212	KAFB-212-02-1315	011A	P269628	25769	Normal Environmental Sample #1	377
ST-212	KAFB-212-99-0812	011A			Field Replicate #1	378
ST-212	KAFB-212-99-0812	011A	0347900018SA	034790	Field Replicate #1	375
ST-212	KAFB-212-99-0812	011A	0347900018SA	940426D	Field Replicate #1	380
ST-212	KAFB-212-99-0812	011A	P269626	25326	Field Replicate #1	383
ST-212	KAFB-212-99-0812	011A	P269626	25332	Field Replicate #1	381
ST-212	KAFB-212-99-0812	011A	P269626	25332	Field Replicate #1	382
ST-212	KAFB-212-99-0812	011A	P269626	25361	Field Replicate #1	379
ST-212	KAFB-212-99-0812	011A	P269626	25370	Field Replicate #1	376
ST-212	KAFB-212-99-0812	011A	P269626	25769	Field Replicate #1	377
ST-212	KAFB-EB-201-041394	011A	0347900011EB	940425D	Equipment Blank #1	371
ST-212	KAFB-EB-201-041394	011A	0347900011EB	940425D	Equipment Blank #1	380
ST-212	KAFB-EB-201-041394	011A	P269619	25311	Equipment Blank #1	372
ST-212	KAFB-EB-201-041394	011A	P269619	25311	Equipment Blank #1	373
ST-212	KAFB-EB-201-041394	011A	P269619	25311	Equipment Blank #1	381
ST-212	KAFB-EB-201-041394	011A	P269619	25311	Equipment Blank #1	382
ST-212	KAFB-EB-201-041394	011A	P269619	25312	Equipment Blank #1	370
ST-212	KAFB-EB-201-041394	011A	P269619	25312	Equipment Blank #1	379
ST-212	KAFB-EB-201-041394	011A	P269619	25348	Equipment Blank #1	367
ST-212	KAFB-EB-201-041394	011A	P269619	25348	Equipment Blank #1	376
ST-212	KAFB-EB-201-041394	011A	P269619	25410	Equipment Blank #1	368
ST-212	KAFB-EB-201-041394	011A	P269619	25410	Equipment Blank #1	377
ST-212	KAFB-EB-201-041394	011A	P269619	26552	Equipment Blank #1	369
ST-212	KAFB-EB-201-041394	011A	P269619	26552	Equipment Blank #1	378
ST-212	KAFB-TB-01-041394	011A	0347900010TB	940425D	Trip Blank #1	371
ST-212	KAFB-TB-01-041394	011A	0347900010TB	940425D	Trip Blank #1	380
ST-213	KAFB-213-01-0408	010A	0352750003SA	035275	Normal Environmental Sample #1	384
ST-213	KAFB-213-01-0408	010A	0352750003SA	9405066K	Normal Environmental Sample #1	385
ST-213	KAFB-213-01-0408	010A	0352750003SA	940517J	Normal Environmental Sample #1	389
ST-213	KAFB-213-01-0408	010A	P272040	25800	Normal Environmental Sample #1	392
ST-213	KAFB-213-01-0408	010A	P272040	25838	Normal Environmental Sample #1	386
ST-213	KAFB-213-01-0408	010A	P272040	25887	Normal Environmental Sample #1	390
ST-213	KAFB-213-01-0408	010A	P272040	25887	Normal Environmental Sample #1	391
ST-213	KAFB-213-01-0408	010A	P272040	25889	Normal Environmental Sample #1	388
ST-213	KAFB-213-01-0408	010A	P272040	25954	Normal Environmental Sample #1	387
ST-213	KAFB-213-01-1115	010A	0352750004SA	035275	Normal Environmental Sample #1	384

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ST-213	KAFB-213-01-1115	010A	0352750004SA	9405066K	Normal Environmental Sample #1	385
ST-213	KAFB-213-01-1115	010A	0352750004SA	940516D	Normal Environmental Sample #1	389
ST-213	KAFB-213-01-1115	010A	P272041	25800	Normal Environmental Sample #1	392
ST-213	KAFB-213-01-1115	010A	P272041	25838	Normal Environmental Sample #1	386
ST-213	KAFB-213-01-1115	010A	P272041	25887	Normal Environmental Sample #1	390
ST-213	KAFB-213-01-1115	010A	P272041	25887	Normal Environmental Sample #1	391
ST-213	KAFB-213-01-1115	010A	P272041	25889	Normal Environmental Sample #1	388
ST-213	KAFB-213-01-1115	010A	P272041	25955	Normal Environmental Sample #1	387
ST-213	KAFB-213-02-0408	011A	0352750005SA	035275	Normal Environmental Sample #1	393
ST-213	KAFB-213-02-0408	011A	0352750005SA	9405066K	Normal Environmental Sample #1	394
ST-213	KAFB-213-02-0408	011A	0352750005SA	940519J	Normal Environmental Sample #1	398
ST-213	KAFB-213-02-0408	011A	P272042	25800	Normal Environmental Sample #1	401
ST-213	KAFB-213-02-0408	011A	P272042	25838	Normal Environmental Sample #1	395
ST-213	KAFB-213-02-0408	011A	P272042	25887	Normal Environmental Sample #1	399
ST-213	KAFB-213-02-0408	011A	P272042	25887	Normal Environmental Sample #1	400
ST-213	KAFB-213-02-0408	011A	P272042	25889	Normal Environmental Sample #1	397
ST-213	KAFB-213-02-0408	011A	P272042	25955	Normal Environmental Sample #1	396
ST-213	KAFB-213-02-1115	011A	0352750006SA	035275	Normal Environmental Sample #1	393
ST-213	KAFB-213-02-1115	011A	0352750006SA	9405066K	Normal Environmental Sample #1	394
ST-213	KAFB-213-02-1115	011A	0352750006SA	940516D	Normal Environmental Sample #1	398
ST-213	KAFB-213-02-1115	011A	P272043	25800	Normal Environmental Sample #1	401
ST-213	KAFB-213-02-1115	011A	P272043	25838	Normal Environmental Sample #1	395
ST-213	KAFB-213-02-1115	011A	P272043	25887	Normal Environmental Sample #1	399
ST-213	KAFB-213-02-1115	011A	P272043	25887	Normal Environmental Sample #1	400
ST-213	KAFB-213-02-1115	011A	P272043	25889	Normal Environmental Sample #1	397
ST-213	KAFB-213-02-1115	011A	P272043	25955	Normal Environmental Sample #1	396
ST-213	KAFB-213-03-0408	011A	0352750007SA	035275	Normal Environmental Sample #1	402
ST-213	KAFB-213-03-0408	011A	0352750007SA	9405066K	Normal Environmental Sample #1	403
ST-213	KAFB-213-03-0408	011A	0352750007SA	940516D	Normal Environmental Sample #1	407
ST-213	KAFB-213-03-0408	011A	P272044	25800	Normal Environmental Sample #1	410
ST-213	KAFB-213-03-0408	011A	P272044	25838	Normal Environmental Sample #1	404
ST-213	KAFB-213-03-0408	011A	P272044	25887	Normal Environmental Sample #1	408
ST-213	KAFB-213-03-0408	011A	P272044	25887	Normal Environmental Sample #1	409
ST-213	KAFB-213-03-0408	011A	P272044	25889	Normal Environmental Sample #1	406
ST-213	KAFB-213-03-0408	011A	P272044	25955	Normal Environmental Sample #1	405
ST-213	KAFB-213-03-1115	011A	0352750008RA	940520J	Normal Environmental Sample #1	407
ST-213	KAFB-213-03-1115	011A	0352750008SA	035275	Normal Environmental Sample #1	402
ST-213	KAFB-213-03-1115	011A	0352750008SA	9405066K	Normal Environmental Sample #1	403
ST-213	KAFB-213-03-1115	011A	P272045	25800	Normal Environmental Sample #1	410
ST-213	KAFB-213-03-1115	011A	P272045	25838	Normal Environmental Sample #1	404
ST-213	KAFB-213-03-1115	011A	P272045	25887	Normal Environmental Sample #1	408
ST-213	KAFB-213-03-1115	011A	P272045	25887	Normal Environmental Sample #1	409
ST-213	KAFB-213-03-1115	011A	P272045	25889	Normal Environmental Sample #1	406
ST-213	KAFB-213-03-1115	011A	P272045	25955	Normal Environmental Sample #1	405
ST-213	KAFB-213-04-0408	011A	0352750009SA	035275	Normal Environmental Sample #1	411
ST-213	KAFB-213-04-0408	011A	0352750009SA	9405066K	Normal Environmental Sample #1	412
ST-213	KAFB-213-04-0408	011A	0352750009SA	940517J	Normal Environmental Sample #1	416
ST-213	KAFB-213-04-0408	011A	P272046	25800	Normal Environmental Sample #1	419
ST-213	KAFB-213-04-0408	011A	P272046	25874	Normal Environmental Sample #1	413
ST-213	KAFB-213-04-0408	011A	P272046	25887	Normal Environmental Sample #1	417
ST-213	KAFB-213-04-0408	011A	P272046	25887	Normal Environmental Sample #1	418
ST-213	KAFB-213-04-0408	011A	P272046	25889	Normal Environmental Sample #1	415

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Site	Field ID	Fld Lot	Lab ID	Lab Lot	Sample Description	Page
ST-213	KAFB-213-04-0408	011A	P272046	25955	Normal Environmental Sample #1	414
ST-213	KAFB-213-04-1115	011A	0352750010SA	035275	Normal Environmental Sample #1	411
ST-213	KAFB-213-04-1115	011A	0352750010SA	9405066K	Normal Environmental Sample #1	412
ST-213	KAFB-213-04-1115	011A	0352750010SA	940517J	Normal Environmental Sample #1	416
ST-213	KAFB-213-04-1115	011A	P272047	25800	Normal Environmental Sample #1	419
ST-213	KAFB-213-04-1115	011A	P272047	25874	Normal Environmental Sample #1	413
ST-213	KAFB-213-04-1115	011A	P272047	25888	Normal Environmental Sample #1	417
ST-213	KAFB-213-04-1115	011A	P272047	25888	Normal Environmental Sample #1	418
ST-213	KAFB-213-04-1115	011A	P272047	25890	Normal Environmental Sample #1	415
ST-213	KAFB-213-04-1115	011A	P272047	25955	Normal Environmental Sample #1	414
ST-213	KAFB-EB-211-050394	010A	0352750002EB	9405106K	Equipment Blank #1	385
ST-213	KAFB-EB-211-050394	010A	0352750002EB	9405106K	Equipment Blank #1	389
ST-213	KAFB-EB-211-050394	010A	0352750002EB	940517J	Equipment Blank #1	389
ST-213	KAFB-EB-211-050394	010A	P272039	25929	Equipment Blank #1	387
ST-213	KAFB-EB-211-050394	010A	P272039	25961	Equipment Blank #1	386
ST-213	KAFB-EB-211-050394	011A	0352750002EB	9405106K	Equipment Blank #1	394
ST-213	KAFB-EB-211-050394	011A	0352750002EB	9405106K	Equipment Blank #1	398
ST-213	KAFB-EB-211-050394	011A	0352750002EB	9405106K	Equipment Blank #1	403
ST-213	KAFB-EB-211-050394	011A	0352750002EB	9405106K	Equipment Blank #1	407
ST-213	KAFB-EB-211-050394	011A	0352750002EB	9405106K	Equipment Blank #1	412
ST-213	KAFB-EB-211-050394	011A	0352750002EB	9405106K	Equipment Blank #1	416
ST-213	KAFB-EB-211-050394	011A	0352750002EB	940517J	Equipment Blank #1	398
ST-213	KAFB-EB-211-050394	011A	0352750002EB	940517J	Equipment Blank #1	407
ST-213	KAFB-EB-211-050394	011A	0352750002EB	940517J	Equipment Blank #1	416
ST-213	KAFB-EB-211-050394	011A	P272039	25929	Equipment Blank #1	396
ST-213	KAFB-EB-211-050394	011A	P272039	25929	Equipment Blank #1	405
ST-213	KAFB-EB-211-050394	011A	P272039	25929	Equipment Blank #1	414
ST-213	KAFB-EB-211-050394	011A	P272039	25961	Equipment Blank #1	395
ST-213	KAFB-EB-211-050394	011A	P272039	25961	Equipment Blank #1	404
ST-213	KAFB-EB-211-050394	011A	P272039	25961	Equipment Blank #1	413
ST-213	KAFB-TB-01-050394	010A	0352750001TB	9405106K	Trip Blank #1	385
ST-213	KAFB-TB-01-050394	010A	0352750001TB	9405106K	Trip Blank #1	389
ST-213	KAFB-TB-01-050394	010A	0352750001TB	940516D	Trip Blank #1	389
ST-213	KAFB-TB-01-050394	011A	0352750001TB	9405106K	Trip Blank #1	394
ST-213	KAFB-TB-01-050394	011A	0352750001TB	9405106K	Trip Blank #1	398
ST-213	KAFB-TB-01-050394	011A	0352750001TB	9405106K	Trip Blank #1	403
ST-213	KAFB-TB-01-050394	011A	0352750001TB	9405106K	Trip Blank #1	407
ST-213	KAFB-TB-01-050394	011A	0352750001TB	9405106K	Trip Blank #1	412
ST-213	KAFB-TB-01-050394	011A	0352750001TB	9405106K	Trip Blank #1	416
ST-213	KAFB-TB-01-050394	011A	0352750001TB	940516D	Trip Blank #1	398
ST-213	KAFB-TB-01-050394	011A	0352750001TB	940516D	Trip Blank #1	407
ST-213	KAFB-TB-01-050394	011A	0352750001TB	940516D	Trip Blank #1	416
ST-214	KAFB-214-01-1014	011A			Normal Environmental Sample #1	423
ST-214	KAFB-214-01-1014	011A	1054370001DU	940509MX	Normal Environmental Sample #1	420
ST-214	KAFB-214-01-1014	011A	1054370001MS	940509AX	Normal Environmental Sample #1	425
ST-214	KAFB-214-01-1014	011A	P270947	25621	Normal Environmental Sample #1	428
ST-214	KAFB-214-01-1014	011A	P270947	25655	Normal Environmental Sample #1	424
ST-214	KAFB-214-01-1014	011A	P270947	25673	Normal Environmental Sample #1	421
ST-214	KAFB-214-01-1014	011A	P270947	25680	Normal Environmental Sample #1	426
ST-214	KAFB-214-01-1014	011A	P270947	25680	Normal Environmental Sample #1	427
ST-214	KAFB-214-01-1014	011A	P270947	25926	Normal Environmental Sample #1	422
ST-214	KAFB-214-01-2022	011A			Normal Environmental Sample #1	423

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Site	Field ID	Fld Lot	Lab ID	Lab Lot	Sample Description	Page
ST-214	KAFB-214-01-2022	011A	1054370002SA	940509AX	Normal Environmental Sample #1	425
ST-214	KAFB-214-01-2022	011A	1054370002SA	940509MX	Normal Environmental Sample #1	420
ST-214	KAFB-214-01-2022	011A	P270948	25621	Normal Environmental Sample #1	428
ST-214	KAFB-214-01-2022	011A	P270948	25655	Normal Environmental Sample #1	424
ST-214	KAFB-214-01-2022	011A	P270948	25673	Normal Environmental Sample #1	421
ST-214	KAFB-214-01-2022	011A	P270948	25680	Normal Environmental Sample #1	426
ST-214	KAFB-214-01-2022	011A	P270948	25680	Normal Environmental Sample #1	427
ST-214	KAFB-214-01-2022	011A	P270948	25926	Normal Environmental Sample #1	422
ST-214	KAFB-214-02-1012	011A			Normal Environmental Sample #1	432
ST-214	KAFB-214-02-1012	011A	1054370003SA	940509AX	Normal Environmental Sample #1	434
ST-214	KAFB-214-02-1012	011A	1054370003SA	940509MX	Normal Environmental Sample #1	429
ST-214	KAFB-214-02-1012	011A	P270949	25621	Normal Environmental Sample #1	437
ST-214	KAFB-214-02-1012	011A	P270949	25655	Normal Environmental Sample #1	433
ST-214	KAFB-214-02-1012	011A	P270949	25673	Normal Environmental Sample #1	430
ST-214	KAFB-214-02-1012	011A	P270949	25680	Normal Environmental Sample #1	435
ST-214	KAFB-214-02-1012	011A	P270949	25680	Normal Environmental Sample #1	436
ST-214	KAFB-214-02-1012	011A	P270949	25926	Normal Environmental Sample #1	431
ST-214	KAFB-214-02-2022	011A			Normal Environmental Sample #1	432
ST-214	KAFB-214-02-2022	011A	1054370004SA	940509AX	Normal Environmental Sample #1	434
ST-214	KAFB-214-02-2022	011A	1054370004SA	940509MX	Normal Environmental Sample #1	429
ST-214	KAFB-214-02-2022	011A	P270950	25621	Normal Environmental Sample #1	437
ST-214	KAFB-214-02-2022	011A	P270950	25655	Normal Environmental Sample #1	433
ST-214	KAFB-214-02-2022	011A	P270950	25673	Normal Environmental Sample #1	430
ST-214	KAFB-214-02-2022	011A	P270950	25680	Normal Environmental Sample #1	435
ST-214	KAFB-214-02-2022	011A	P270950	25680	Normal Environmental Sample #1	436
ST-214	KAFB-214-02-2022	011A	P270950	25926	Normal Environmental Sample #1	431
ST-214	KAFB-214-03-1012	011A			Normal Environmental Sample #1	441
ST-214	KAFB-214-03-1012	011A	1054370005SA	940509AX	Normal Environmental Sample #1	443
ST-214	KAFB-214-03-1012	011A	1054370005SA	940509MX	Normal Environmental Sample #1	438
ST-214	KAFB-214-03-1012	011A	P270951	25621	Normal Environmental Sample #1	446
ST-214	KAFB-214-03-1012	011A	P270951	25655	Normal Environmental Sample #1	442
ST-214	KAFB-214-03-1012	011A	P270951	25673	Normal Environmental Sample #1	439
ST-214	KAFB-214-03-1012	011A	P270951	25680	Normal Environmental Sample #1	444
ST-214	KAFB-214-03-1012	011A	P270951	25680	Normal Environmental Sample #1	445
ST-214	KAFB-214-03-1012	011A	P270951	25926	Normal Environmental Sample #1	440
ST-214	KAFB-214-03-2022	011A			Normal Environmental Sample #1	441
ST-214	KAFB-214-03-2022	011A	1054370006SA	940509AX	Normal Environmental Sample #1	443
ST-214	KAFB-214-03-2022	011A	1054370006SA	940509MX	Normal Environmental Sample #1	438
ST-214	KAFB-214-03-2022	011A	P270952	25621	Normal Environmental Sample #1	446
ST-214	KAFB-214-03-2022	011A	P270952	25655	Normal Environmental Sample #1	442
ST-214	KAFB-214-03-2022	011A	P270952	25673	Normal Environmental Sample #1	439
ST-214	KAFB-214-03-2022	011A	P270952	25680	Normal Environmental Sample #1	444
ST-214	KAFB-214-03-2022	011A	P270952	25680	Normal Environmental Sample #1	445
ST-214	KAFB-214-03-2022	011A	P270952	25926	Normal Environmental Sample #1	440
ST-214	KAFB-214-04-1012	011A			Normal Environmental Sample #1	450
ST-214	KAFB-214-04-1012	011A	1054370007SA	940509AX	Normal Environmental Sample #1	452
ST-214	KAFB-214-04-1012	011A	1054370007SA	940509MX	Normal Environmental Sample #1	447
ST-214	KAFB-214-04-1012	011A	P270953	25621	Normal Environmental Sample #1	455
ST-214	KAFB-214-04-1012	011A	P270953	25655	Normal Environmental Sample #1	451
ST-214	KAFB-214-04-1012	011A	P270953	25673	Normal Environmental Sample #1	448
ST-214	KAFB-214-04-1012	011A	P270953	25680	Normal Environmental Sample #1	453
ST-214	KAFB-214-04-1012	011A	P270953	25680	Normal Environmental Sample #1	454

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ST-214	KAFB-214-04-1012	011A	P270953	25926	Normal Environmental Sample #1	449
ST-214	KAFB-214-04-2022	011A			Normal Environmental Sample #1	450
ST-214	KAFB-214-04-2022	011A	1054370008SA	940509AX	Normal Environmental Sample #1	452
ST-214	KAFB-214-04-2022	011A	1054370008SA	940509MX	Normal Environmental Sample #1	447
ST-214	KAFB-214-04-2022	011A	P270954	25621	Normal Environmental Sample #1	455
ST-214	KAFB-214-04-2022	011A	P270954	25655	Normal Environmental Sample #1	451
ST-214	KAFB-214-04-2022	011A	P270954	25673	Normal Environmental Sample #1	448
ST-214	KAFB-214-04-2022	011A	P270954	25680	Normal Environmental Sample #1	453
ST-214	KAFB-214-04-2022	011A	P270954	25680	Normal Environmental Sample #1	454
ST-214	KAFB-214-04-2022	011A	P270954	25926	Normal Environmental Sample #1	449
ST-214	KAFB-214-05-1014	010A			Normal Environmental Sample #1	459
ST-214	KAFB-214-05-1014	010A	1054370009SA	940509AX	Normal Environmental Sample #1	461
ST-214	KAFB-214-05-1014	010A	1054370009SA	940509MX	Normal Environmental Sample #1	456
ST-214	KAFB-214-05-1014	010A	P271282	25697	Normal Environmental Sample #1	464
ST-214	KAFB-214-05-1014	010A	P271282	25739	Normal Environmental Sample #1	457
ST-214	KAFB-214-05-1014	010A	P271282	25778	Normal Environmental Sample #1	462
ST-214	KAFB-214-05-1014	010A	P271282	25778	Normal Environmental Sample #1	463
ST-214	KAFB-214-05-1014	010A	P271282	25779	Normal Environmental Sample #1	460
ST-214	KAFB-214-05-1014	010A	P271282	25940	Normal Environmental Sample #1	458
ST-214	KAFB-214-05-2024	010A			Normal Environmental Sample #1	459
ST-214	KAFB-214-05-2024	010A	1054370010SA	940509AX	Normal Environmental Sample #1	461
ST-214	KAFB-214-05-2024	010A	1054370010SA	940509MX	Normal Environmental Sample #1	456
ST-214	KAFB-214-05-2024	010A	P271283	25697	Normal Environmental Sample #1	464
ST-214	KAFB-214-05-2024	010A	P271283	25739	Normal Environmental Sample #1	457
ST-214	KAFB-214-05-2024	010A	P271283	25778	Normal Environmental Sample #1	462
ST-214	KAFB-214-05-2024	010A	P271283	25778	Normal Environmental Sample #1	463
ST-214	KAFB-214-05-2024	010A	P271283	25779	Normal Environmental Sample #1	460
ST-214	KAFB-214-05-2024	010A	P271283	25940	Normal Environmental Sample #1	458
ST-214	KAFB-EB-214-042694	011A	1054370019EB	940509AFX	Equipment Blank #1	425
ST-214	KAFB-EB-214-042694	011A	1054370019EB	940509AFX	Equipment Blank #1	434
ST-214	KAFB-EB-214-042694	011A	1054370019EB	940509AFX	Equipment Blank #1	443
ST-214	KAFB-EB-214-042694	011A	1054370019EB	940509AFX	Equipment Blank #1	452
ST-214	KAFB-EB-214-042694	011A	P270946	25652	Equipment Blank #1	426
ST-214	KAFB-EB-214-042694	011A	P270946	25652	Equipment Blank #1	427
ST-214	KAFB-EB-214-042694	011A	P270946	25652	Equipment Blank #1	435
ST-214	KAFB-EB-214-042694	011A	P270946	25652	Equipment Blank #1	436
ST-214	KAFB-EB-214-042694	011A	P270946	25652	Equipment Blank #1	444
ST-214	KAFB-EB-214-042694	011A	P270946	25652	Equipment Blank #1	445
ST-214	KAFB-EB-214-042694	011A	P270946	25652	Equipment Blank #1	453
ST-214	KAFB-EB-214-042694	011A	P270946	25652	Equipment Blank #1	454
ST-214	KAFB-EB-214-042694	011A	P270946	25659	Equipment Blank #1	424
ST-214	KAFB-EB-214-042694	011A	P270946	25659	Equipment Blank #1	433
ST-214	KAFB-EB-214-042694	011A	P270946	25659	Equipment Blank #1	442
ST-214	KAFB-EB-214-042694	011A	P270946	25659	Equipment Blank #1	451
ST-214	KAFB-EB-214-042694	011A	P270946	25706	Equipment Blank #1	421
ST-214	KAFB-EB-214-042694	011A	P270946	25706	Equipment Blank #1	430
ST-214	KAFB-EB-214-042694	011A	P270946	25706	Equipment Blank #1	439
ST-214	KAFB-EB-214-042694	011A	P270946	25706	Equipment Blank #1	448
ST-214	KAFB-EB-214-042694	011A	P270946	25726	Equipment Blank #1	422
ST-214	KAFB-EB-214-042694	011A	P270946	25726	Equipment Blank #1	431
ST-214	KAFB-EB-214-042694	011A	P270946	25726	Equipment Blank #1	440
ST-214	KAFB-EB-214-042694	011A	P270946	25726	Equipment Blank #1	449

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Site	Field ID	Fld Lot	Lab ID	Lab Lot	Sample Description	Page
ST-214	KAFB-EB-214-042694	011A	P270946	26788	Equipment Blank #1	423
ST-214	KAFB-EB-214-042694	011A	P270946	26788	Equipment Blank #1	425
ST-214	KAFB-EB-214-042694	011A	P270946	26788	Equipment Blank #1	432
ST-214	KAFB-EB-214-042694	011A	P270946	26788	Equipment Blank #1	434
ST-214	KAFB-EB-214-042694	011A	P270946	26788	Equipment Blank #1	441
ST-214	KAFB-EB-214-042694	011A	P270946	26788	Equipment Blank #1	443
ST-214	KAFB-EB-214-042694	011A	P270946	26788	Equipment Blank #1	450
ST-214	KAFB-EB-214-042694	011A	P270946	26788	Equipment Blank #1	452
ST-214	KAFB-EB-214-042794	010A	1054370020EB	940510AGX	Equipment Blank #1	461
ST-214	KAFB-EB-214-042794	010A	P271281	25706	Equipment Blank #1	457
ST-214	KAFB-EB-214-042794	010A	P271281	25714	Equipment Blank #1	462
ST-214	KAFB-EB-214-042794	010A	P271281	25714	Equipment Blank #1	463
ST-214	KAFB-EB-214-042794	010A	P271281	25715	Equipment Blank #1	460
ST-214	KAFB-EB-214-042794	010A	P271281	25726	Equipment Blank #1	458
ST-214	KAFB-EB-214-042794	010A	P271281	26788	Equipment Blank #1	459
ST-214	KAFB-EB-214-042794	010A	P271281	26788	Equipment Blank #1	461
ST-214	KAFB-TB-01-042694	011A			Trip Blank #1	425
ST-214	KAFB-TB-01-042694	011A			Trip Blank #1	434
ST-214	KAFB-TB-01-042694	011A			Trip Blank #1	443
ST-214	KAFB-TB-01-042694	011A			Trip Blank #1	452
ST-214	KAFB-TB-01-042694	011A	1054370021TB	940509AFX	Trip Blank #1	425
ST-214	KAFB-TB-01-042694	011A	1054370021TB	940509AFX	Trip Blank #1	434
ST-214	KAFB-TB-01-042694	011A	1054370021TB	940509AFX	Trip Blank #1	443
ST-214	KAFB-TB-01-042694	011A	1054370021TB	940509AFX	Trip Blank #1	452
ST-214	KAFB-TB-01-042794	010A			Trip Blank #1	461
ST-214	KAFB-TB-01-042794	010A	1054370022TB	940510AGX	Trip Blank #1	461
ST-215	KAFB-215-01-0307	010A			Normal Environmental Sample #1	468
ST-215	KAFB-215-01-0307	010A	1054370015SA	940509AX	Normal Environmental Sample #1	470
ST-215	KAFB-215-01-0307	010A	1054370015SA	940509MX	Normal Environmental Sample #1	465
ST-215	KAFB-215-01-0307	010A	P271288	25739	Normal Environmental Sample #1	466
ST-215	KAFB-215-01-0307	010A	P271288	25778	Normal Environmental Sample #1	471
ST-215	KAFB-215-01-0307	010A	P271288	25778	Normal Environmental Sample #1	472
ST-215	KAFB-215-01-0307	010A	P271288	25779	Normal Environmental Sample #1	469
ST-215	KAFB-215-01-0307	010A	P271288	25940	Normal Environmental Sample #1	467
ST-215	KAFB-215-01-0307	010A	P271288	25996	Normal Environmental Sample #1	473
ST-215	KAFB-215-01-0812	010A			Normal Environmental Sample #1	468
ST-215	KAFB-215-01-0812	010A	1054370016SA	940509AX	Normal Environmental Sample #1	470
ST-215	KAFB-215-01-0812	010A	1054370016SA	940509MX	Normal Environmental Sample #1	465
ST-215	KAFB-215-01-0812	010A	P271290	25739	Normal Environmental Sample #1	466
ST-215	KAFB-215-01-0812	010A	P271290	25778	Normal Environmental Sample #1	471
ST-215	KAFB-215-01-0812	010A	P271290	25778	Normal Environmental Sample #1	472
ST-215	KAFB-215-01-0812	010A	P271290	25779	Normal Environmental Sample #1	469
ST-215	KAFB-215-01-0812	010A	P271290	25940	Normal Environmental Sample #1	467
ST-215	KAFB-215-01-0812	010A	P271290	25996	Normal Environmental Sample #1	473
ST-215	KAFB-215-01-2630	010A			Normal Environmental Sample #1	468
ST-215	KAFB-215-01-2630	010A	1054370017SA	940509AX	Normal Environmental Sample #1	470
ST-215	KAFB-215-01-2630	010A	1054370017SA	940509MX	Normal Environmental Sample #1	465
ST-215	KAFB-215-01-2630	010A	P271292	25739	Normal Environmental Sample #1	466
ST-215	KAFB-215-01-2630	010A	P271292	25778	Normal Environmental Sample #1	471
ST-215	KAFB-215-01-2630	010A	P271292	25778	Normal Environmental Sample #1	472
ST-215	KAFB-215-01-2630	010A	P271292	25779	Normal Environmental Sample #1	469
ST-215	KAFB-215-01-2630	010A	P271292	25940	Normal Environmental Sample #1	467

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Site	Field ID	Fld Lot	Lab ID	Lab Lot	Sample Description	Page
ST-215	KAFB-215-01-2630	010A	P271292	25996	Normal Environmental Sample #1	473
ST-215	KAFB-215-02-0307	111A			Normal Environmental Sample #1	477
ST-215	KAFB-215-02-0307	111A	0351580003SA	035158	Normal Environmental Sample #1	474
ST-215	KAFB-215-02-0307	111A	0351580003SA	940511D	Normal Environmental Sample #1	479
ST-215	KAFB-215-02-0307	111A	P271268	25739	Normal Environmental Sample #1	475
ST-215	KAFB-215-02-0307	111A	P271268	25778	Normal Environmental Sample #1	480
ST-215	KAFB-215-02-0307	111A	P271268	25778	Normal Environmental Sample #1	481
ST-215	KAFB-215-02-0307	111A	P271268	25940	Normal Environmental Sample #1	476
ST-215	KAFB-215-02-0307	111A	P271268	25996	Normal Environmental Sample #1	482
ST-215	KAFB-215-02-0307	111A	P271268	26738	Normal Environmental Sample #1	478
ST-215	KAFB-215-02-0813	111A			Normal Environmental Sample #1	477
ST-215	KAFB-215-02-0813	111A	0351580004SA	035158	Normal Environmental Sample #1	474
ST-215	KAFB-215-02-0813	111A	0351580004SA	940511D	Normal Environmental Sample #1	479
ST-215	KAFB-215-02-0813	111A	P271270	25739	Normal Environmental Sample #1	475
ST-215	KAFB-215-02-0813	111A	P271270	25778	Normal Environmental Sample #1	480
ST-215	KAFB-215-02-0813	111A	P271270	25778	Normal Environmental Sample #1	481
ST-215	KAFB-215-02-0813	111A	P271270	25779	Normal Environmental Sample #1	478
ST-215	KAFB-215-02-0813	111A	P271270	25940	Normal Environmental Sample #1	476
ST-215	KAFB-215-02-0813	111A	P271270	25996	Normal Environmental Sample #1	482
ST-215	KAFB-215-02-2630	111A			Normal Environmental Sample #1	477
ST-215	KAFB-215-02-2630	111A	0351580005MS	940511D	Normal Environmental Sample #1	479
ST-215	KAFB-215-02-2630	111A	0351580005SA	035158	Normal Environmental Sample #1	474
ST-215	KAFB-215-02-2630	111A	P271272	25697	Normal Environmental Sample #1	482
ST-215	KAFB-215-02-2630	111A	P271272	25739	Normal Environmental Sample #1	475
ST-215	KAFB-215-02-2630	111A	P271272	25778	Normal Environmental Sample #1	480
ST-215	KAFB-215-02-2630	111A	P271272	25778	Normal Environmental Sample #1	481
ST-215	KAFB-215-02-2630	111A	P271272	25779	Normal Environmental Sample #1	478
ST-215	KAFB-215-02-2630	111A	P271272	25940	Normal Environmental Sample #1	476
ST-215	KAFB-215-03-0310	111A			Normal Environmental Sample #1	486
ST-215	KAFB-215-03-0310	111A	0351580006SA	035158	Normal Environmental Sample #1	483
ST-215	KAFB-215-03-0310	111A	0351580006SA	940511D	Normal Environmental Sample #1	488
ST-215	KAFB-215-03-0310	111A	P271274	25739	Normal Environmental Sample #1	484
ST-215	KAFB-215-03-0310	111A	P271274	25778	Normal Environmental Sample #1	489
ST-215	KAFB-215-03-0310	111A	P271274	25778	Normal Environmental Sample #1	490
ST-215	KAFB-215-03-0310	111A	P271274	25779	Normal Environmental Sample #1	487
ST-215	KAFB-215-03-0310	111A	P271274	25940	Normal Environmental Sample #1	485
ST-215	KAFB-215-03-0310	111A	P271274	25996	Normal Environmental Sample #1	491
ST-215	KAFB-215-03-2630	111A			Normal Environmental Sample #1	486
ST-215	KAFB-215-03-2630	111A	0351580009SA	035158	Normal Environmental Sample #1	483
ST-215	KAFB-215-03-2630	111A	0351580009SA	940511D	Normal Environmental Sample #1	488
ST-215	KAFB-215-03-2630	111A	P271278	25739	Normal Environmental Sample #1	484
ST-215	KAFB-215-03-2630	111A	P271278	25778	Normal Environmental Sample #1	489
ST-215	KAFB-215-03-2630	111A	P271278	25778	Normal Environmental Sample #1	490
ST-215	KAFB-215-03-2630	111A	P271278	25779	Normal Environmental Sample #1	487
ST-215	KAFB-215-03-2630	111A	P271278	25940	Normal Environmental Sample #1	485
ST-215	KAFB-215-03-2630	111A	P271278	25996	Normal Environmental Sample #1	491
ST-215	KAFB-215-04-0309	111A			Normal Environmental Sample #1	495
ST-215	KAFB-215-04-0309	111A	0351580012SA	035158	Normal Environmental Sample #1	492
ST-215	KAFB-215-04-0309	111A	0351580012SA	940512D	Normal Environmental Sample #1	497
ST-215	KAFB-215-04-0309	111A	P271360	25778	Normal Environmental Sample #1	498
ST-215	KAFB-215-04-0309	111A	P271360	25778	Normal Environmental Sample #1	499
ST-215	KAFB-215-04-0309	111A	P271360	25779	Normal Environmental Sample #1	496

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ST-215	KAFB-215-04-0309	111A	P271360	25838	Normal Environmental Sample #1	493
ST-215	KAFB-215-04-0309	111A	P271360	25940	Normal Environmental Sample #1	494
ST-215	KAFB-215-04-0309	111A	P271360	26086	Normal Environmental Sample #1	500
ST-215	KAFB-215-04-1015	111A			Normal Environmental Sample #1	495
ST-215	KAFB-215-04-1015	111A	0351580013SA	035158	Normal Environmental Sample #1	492
ST-215	KAFB-215-04-1015	111A	0351580013SA	940512D	Normal Environmental Sample #1	497
ST-215	KAFB-215-04-1015	111A	P271362	25739	Normal Environmental Sample #1	493
ST-215	KAFB-215-04-1015	111A	P271362	25778	Normal Environmental Sample #1	498
ST-215	KAFB-215-04-1015	111A	P271362	25778	Normal Environmental Sample #1	499
ST-215	KAFB-215-04-1015	111A	P271362	25779	Normal Environmental Sample #1	496
ST-215	KAFB-215-04-1015	111A	P271362	25940	Normal Environmental Sample #1	494
ST-215	KAFB-215-04-1015	111A	P271362	26086	Normal Environmental Sample #1	500
ST-215	KAFB-215-04-2630	111A			Normal Environmental Sample #1	495
ST-215	KAFB-215-04-2630	111A	0351580014SA	035158	Normal Environmental Sample #1	492
ST-215	KAFB-215-04-2630	111A	0351580014SA	940512D	Normal Environmental Sample #1	497
ST-215	KAFB-215-04-2630	111A	P271364	25739	Normal Environmental Sample #1	493
ST-215	KAFB-215-04-2630	111A	P271364	25778	Normal Environmental Sample #1	498
ST-215	KAFB-215-04-2630	111A	P271364	25778	Normal Environmental Sample #1	499
ST-215	KAFB-215-04-2630	111A	P271364	25779	Normal Environmental Sample #1	496
ST-215	KAFB-215-04-2630	111A	P271364	25940	Normal Environmental Sample #1	494
ST-215	KAFB-215-04-2630	111A	P271364	26086	Normal Environmental Sample #1	500
ST-215	KAFB-AB-215-042894	111A	0351580008AB	940511D	Ambient Conditions Blank #1	479
ST-215	KAFB-AB-215-042894	111A	0351580008AB	940511D	Ambient Conditions Blank #1	488
ST-215	KAFB-AB-215-042994	111A	0351580015AB	940511D	Ambient Conditions Blank #1	497
ST-215	KAFB-EB-214-042794	010A	1054370020EB	940510AGX	Equipment Blank #1	470
ST-215	KAFB-EB-214-042794	010A	P271281	25706	Equipment Blank #1	466
ST-215	KAFB-EB-214-042794	010A	P271281	25714	Equipment Blank #1	471
ST-215	KAFB-EB-214-042794	010A	P271281	25714	Equipment Blank #1	472
ST-215	KAFB-EB-214-042794	010A	P271281	25715	Equipment Blank #1	469
ST-215	KAFB-EB-214-042794	010A	P271281	25726	Equipment Blank #1	467
ST-215	KAFB-EB-214-042794	010A	P271281	26788	Equipment Blank #1	468
ST-215	KAFB-EB-214-042794	010A	P271281	26788	Equipment Blank #1	470
ST-215	KAFB-EB-215-042894	111A	0351580002EB	940511D	Equipment Blank #1	479
ST-215	KAFB-EB-215-042894	111A	0351580002EB	940511D	Equipment Blank #1	488
ST-215	KAFB-EB-215-042894	111A	P271267	25706	Equipment Blank #1	475
ST-215	KAFB-EB-215-042894	111A	P271267	25706	Equipment Blank #1	484
ST-215	KAFB-EB-215-042894	111A	P271267	25714	Equipment Blank #1	480
ST-215	KAFB-EB-215-042894	111A	P271267	25714	Equipment Blank #1	481
ST-215	KAFB-EB-215-042894	111A	P271267	25714	Equipment Blank #1	489
ST-215	KAFB-EB-215-042894	111A	P271267	25714	Equipment Blank #1	490
ST-215	KAFB-EB-215-042894	111A	P271267	25715	Equipment Blank #1	478
ST-215	KAFB-EB-215-042894	111A	P271267	25715	Equipment Blank #1	487
ST-215	KAFB-EB-215-042894	111A	P271267	25726	Equipment Blank #1	476
ST-215	KAFB-EB-215-042894	111A	P271267	25726	Equipment Blank #1	485
ST-215	KAFB-EB-215-042894	111A	P271267	26734	Equipment Blank #1	477
ST-215	KAFB-EB-215-042894	111A	P271267	26734	Equipment Blank #1	486
ST-215	KAFB-EB-215-042994	111A	0351580011EB	940511D	Equipment Blank #1	497
ST-215	KAFB-EB-215-042994	111A	P271359	25706	Equipment Blank #1	493
ST-215	KAFB-EB-215-042994	111A	P271359	25714	Equipment Blank #1	498
ST-215	KAFB-EB-215-042994	111A	P271359	25714	Equipment Blank #1	499
ST-215	KAFB-EB-215-042994	111A	P271359	25715	Equipment Blank #1	496
ST-215	KAFB-EB-215-042994	111A	P271359	25726	Equipment Blank #1	494

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ST-215	KAFB-EB-215-042994	111A	P271359	26734	Equipment Blank #1	495
ST-215	KAFB-TB-01-042794	010A			Trip Blank #1	470
ST-215	KAFB-TB-01-042794	010A	1054370022TB	940510AGX	Trip Blank #1	470
ST-215	KAFB-TB-01-042894	111A	0351580001TB	940511D	Trip Blank #1	479
ST-215	KAFB-TB-01-042894	111A	0351580001TB	940511D	Trip Blank #1	488
ST-215	KAFB-TB-01-042994	111A	0351580010TB	940511D	Trip Blank #1	497
ST-216	KAFB-216-01-0307	010A			Normal Environmental Sample #1	504
ST-216	KAFB-216-01-0307	010A	1054370011SA	940509AX	Normal Environmental Sample #1	506
ST-216	KAFB-216-01-0307	010A	1054370011SA	940509MX	Normal Environmental Sample #1	501
ST-216	KAFB-216-01-0307	010A	P271284	25739	Normal Environmental Sample #1	502
ST-216	KAFB-216-01-0307	010A	P271284	25778	Normal Environmental Sample #1	507
ST-216	KAFB-216-01-0307	010A	P271284	25778	Normal Environmental Sample #1	508
ST-216	KAFB-216-01-0307	010A	P271284	25779	Normal Environmental Sample #1	505
ST-216	KAFB-216-01-0307	010A	P271284	25940	Normal Environmental Sample #1	503
ST-216	KAFB-216-01-0307	010A	P271285	25697	Normal Environmental Sample #1	509
ST-216	KAFB-216-01-1013	010A			Normal Environmental Sample #1	504
ST-216	KAFB-216-01-1013	010A	1054370018SA	940509AX	Normal Environmental Sample #1	506
ST-216	KAFB-216-01-1013	010A	1054370018SA	940509MX	Normal Environmental Sample #1	501
ST-216	KAFB-216-01-1013	010A	P271294	25697	Normal Environmental Sample #1	509
ST-216	KAFB-216-01-1013	010A	P271294	25739	Normal Environmental Sample #1	502
ST-216	KAFB-216-01-1013	010A	P271294	25778	Normal Environmental Sample #1	507
ST-216	KAFB-216-01-1013	010A	P271294	25778	Normal Environmental Sample #1	508
ST-216	KAFB-216-01-1013	010A	P271294	25940	Normal Environmental Sample #1	503
ST-216	KAFB-216-01-1013	010A	P271294	26948	Normal Environmental Sample #1	505
ST-216	KAFB-216-02-0306	010A			Normal Environmental Sample #1	513
ST-216	KAFB-216-02-0306	010A	1054370013SA	940509AX	Normal Environmental Sample #1	515
ST-216	KAFB-216-02-0306	010A	1054370013SA	940509MX	Normal Environmental Sample #1	510
ST-216	KAFB-216-02-0306	010A	P271286	25697	Normal Environmental Sample #1	518
ST-216	KAFB-216-02-0306	010A	P271286	25739	Normal Environmental Sample #1	511
ST-216	KAFB-216-02-0306	010A	P271286	25778	Normal Environmental Sample #1	516
ST-216	KAFB-216-02-0306	010A	P271286	25778	Normal Environmental Sample #1	517
ST-216	KAFB-216-02-0306	010A	P271286	25779	Normal Environmental Sample #1	514
ST-216	KAFB-216-02-0306	010A	P271286	25940	Normal Environmental Sample #1	512
ST-216	KAFB-216-02-0810	010A			Normal Environmental Sample #1	513
ST-216	KAFB-216-02-0810	010A	1054370014SA	940509AX	Normal Environmental Sample #1	515
ST-216	KAFB-216-02-0810	010A	1054370014SA	940509MX	Normal Environmental Sample #1	510
ST-216	KAFB-216-02-0810	010A	P271287	25697	Normal Environmental Sample #1	518
ST-216	KAFB-216-02-0810	010A	P271287	25739	Normal Environmental Sample #1	511
ST-216	KAFB-216-02-0810	010A	P271287	25778	Normal Environmental Sample #1	516
ST-216	KAFB-216-02-0810	010A	P271287	25778	Normal Environmental Sample #1	517
ST-216	KAFB-216-02-0810	010A	P271287	25779	Normal Environmental Sample #1	514
ST-216	KAFB-216-02-0810	010A	P271287	25940	Normal Environmental Sample #1	512
ST-216	KAFB-216-99-0307	010A	1054370011SA	940509AX	Field Replicate #1	506
ST-216	KAFB-216-99-0307	010A	1054370011SA	940509MX	Field Replicate #1	501
ST-216	KAFB-216-99-0307	010A	P271284	25739	Field Replicate #1	502
ST-216	KAFB-216-99-0307	010A	P271284	25778	Field Replicate #1	507
ST-216	KAFB-216-99-0307	010A	P271284	25778	Field Replicate #1	508
ST-216	KAFB-EB-214-042794	010A	1054370020EB	940510AGX	Equipment Blank #1	506
ST-216	KAFB-EB-214-042794	010A	1054370020EB	940510AGX	Equipment Blank #1	515
ST-216	KAFB-EB-214-042794	010A	P271281	25706	Equipment Blank #1	502
ST-216	KAFB-EB-214-042794	010A	P271281	25706	Equipment Blank #1	511
ST-216	KAFB-EB-214-042794	010A	P271281	25714	Equipment Blank #1	507

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ST-216	KAFB-EB-214-042794	010A	P271281	25714	Equipment Blank #1	508
ST-216	KAFB-EB-214-042794	010A	P271281	25714	Equipment Blank #1	516
ST-216	KAFB-EB-214-042794	010A	P271281	25714	Equipment Blank #1	517
ST-216	KAFB-EB-214-042794	010A	P271281	25715	Equipment Blank #1	505
ST-216	KAFB-EB-214-042794	010A	P271281	25715	Equipment Blank #1	514
ST-216	KAFB-EB-214-042794	010A	P271281	25726	Equipment Blank #1	503
ST-216	KAFB-EB-214-042794	010A	P271281	25726	Equipment Blank #1	512
ST-216	KAFB-EB-214-042794	010A	P271281	26788	Equipment Blank #1	504
ST-216	KAFB-EB-214-042794	010A	P271281	26788	Equipment Blank #1	506
ST-216	KAFB-EB-214-042794	010A	P271281	26788	Equipment Blank #1	513
ST-216	KAFB-EB-214-042794	010A	P271281	26788	Equipment Blank #1	515
ST-216	KAFB-TB-01-042794	010A			Trip Blank #1	506
ST-216	KAFB-TB-01-042794	010A			Trip Blank #1	515
ST-216	KAFB-TB-01-042794	010A	1054370022TB	940510AGX	Trip Blank #1	506
ST-216	KAFB-TB-01-042794	010A	1054370022TB	940510AGX	Trip Blank #1	515
ST-217	KAFB-217-01-0608	111A			Normal Environmental Sample #1	522
ST-217	KAFB-217-01-0608	111A	0348700003MS	940426D	Normal Environmental Sample #1	524
ST-217	KAFB-217-01-0608	111A	P269779	25370	Normal Environmental Sample #1	520
ST-217	KAFB-217-01-0608	111A	P269779	25384	Normal Environmental Sample #1	527
ST-217	KAFB-217-01-0608	111A	P269779	25445	Normal Environmental Sample #1	525
ST-217	KAFB-217-01-0608	111A	P269779	25445	Normal Environmental Sample #1	526
ST-217	KAFB-217-01-0608	111A	P269779	25464	Normal Environmental Sample #1	519
ST-217	KAFB-217-01-0608	111A	P269779	25769	Normal Environmental Sample #1	521
ST-217	KAFB-217-01-0608	111A	P269779	26690	Normal Environmental Sample #1	523
ST-217	KAFB-217-01-1113	111A			Normal Environmental Sample #1	522
ST-217	KAFB-217-01-1113	111A	0348700004SA	034870	Normal Environmental Sample #1	519
ST-217	KAFB-217-01-1113	111A	0348700004SA	940426D	Normal Environmental Sample #1	524
ST-217	KAFB-217-01-1113	111A	P269780	25361	Normal Environmental Sample #1	523
ST-217	KAFB-217-01-1113	111A	P269780	25370	Normal Environmental Sample #1	520
ST-217	KAFB-217-01-1113	111A	P269780	25384	Normal Environmental Sample #1	527
ST-217	KAFB-217-01-1113	111A	P269780	25445	Normal Environmental Sample #1	525
ST-217	KAFB-217-01-1113	111A	P269780	25445	Normal Environmental Sample #1	526
ST-217	KAFB-217-01-1113	111A	P269780	25769	Normal Environmental Sample #1	521
ST-217	KAFB-217-02-0608	111A			Normal Environmental Sample #1	531
ST-217	KAFB-217-02-0608	111A	0348700005SA	034870	Normal Environmental Sample #1	528
ST-217	KAFB-217-02-0608	111A	0348700005SA	940426D	Normal Environmental Sample #1	533
ST-217	KAFB-217-02-0608	111A	P269781	25361	Normal Environmental Sample #1	532
ST-217	KAFB-217-02-0608	111A	P269781	25370	Normal Environmental Sample #1	529
ST-217	KAFB-217-02-0608	111A	P269781	25384	Normal Environmental Sample #1	536
ST-217	KAFB-217-02-0608	111A	P269781	25445	Normal Environmental Sample #1	534
ST-217	KAFB-217-02-0608	111A	P269781	25445	Normal Environmental Sample #1	535
ST-217	KAFB-217-02-0608	111A	P269781	25769	Normal Environmental Sample #1	530
ST-217	KAFB-217-02-1416	111A			Normal Environmental Sample #1	531
ST-217	KAFB-217-02-1416	111A	0348700006SA	034870	Normal Environmental Sample #1	528
ST-217	KAFB-217-02-1416	111A	0348700006SA	940426D	Normal Environmental Sample #1	533
ST-217	KAFB-217-02-1416	111A	P269782	25361	Normal Environmental Sample #1	532
ST-217	KAFB-217-02-1416	111A	P269782	25370	Normal Environmental Sample #1	529
ST-217	KAFB-217-02-1416	111A	P269782	25384	Normal Environmental Sample #1	536
ST-217	KAFB-217-02-1416	111A	P269782	25445	Normal Environmental Sample #1	534
ST-217	KAFB-217-02-1416	111A	P269782	25445	Normal Environmental Sample #1	535
ST-217	KAFB-217-02-1416	111A	P269782	25769	Normal Environmental Sample #1	530
ST-217	KAFB-217-03-0610	111A			Normal Environmental Sample #1	540

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Site	Field ID	Fld Lot	Lab ID	Lab Lot	Sample Description	Page
ST-217	KAFB-217-03-0610	111A	0348700007SA	034870	Normal Environmental Sample #1	537
ST-217	KAFB-217-03-0610	111A	0348700007SA	940426D	Normal Environmental Sample #1	542
ST-217	KAFB-217-03-0610	111A	P269783	25361	Normal Environmental Sample #1	541
ST-217	KAFB-217-03-0610	111A	P269783	25370	Normal Environmental Sample #1	538
ST-217	KAFB-217-03-0610	111A	P269783	25384	Normal Environmental Sample #1	545
ST-217	KAFB-217-03-0610	111A	P269783	25445	Normal Environmental Sample #1	543
ST-217	KAFB-217-03-0610	111A	P269783	25445	Normal Environmental Sample #1	544
ST-217	KAFB-217-03-0610	111A	P269783	25769	Normal Environmental Sample #1	539
ST-217	KAFB-217-03-1113	111A			Normal Environmental Sample #1	540
ST-217	KAFB-217-03-1113	111A	0348700008SA	034870	Normal Environmental Sample #1	537
ST-217	KAFB-217-03-1113	111A	0348700008SA	940426D	Normal Environmental Sample #1	542
ST-217	KAFB-217-03-1113	111A	P269784	25361	Normal Environmental Sample #1	541
ST-217	KAFB-217-03-1113	111A	P269784	25370	Normal Environmental Sample #1	538
ST-217	KAFB-217-03-1113	111A	P269784	25384	Normal Environmental Sample #1	545
ST-217	KAFB-217-03-1113	111A	P269784	25445	Normal Environmental Sample #1	543
ST-217	KAFB-217-03-1113	111A	P269784	25445	Normal Environmental Sample #1	544
ST-217	KAFB-217-03-1113	111A	P269784	25769	Normal Environmental Sample #1	539
ST-217	KAFB-AB-217-041594	111A			Ambient Conditions Blank #1	524
ST-217	KAFB-AB-217-041594	111A			Ambient Conditions Blank #1	533
ST-217	KAFB-AB-217-041594	111A			Ambient Conditions Blank #1	542
ST-217	KAFB-EB-217-041594	111A			Equipment Blank #1	522
ST-217	KAFB-EB-217-041594	111A			Equipment Blank #1	523
ST-217	KAFB-EB-217-041594	111A			Equipment Blank #1	531
ST-217	KAFB-EB-217-041594	111A			Equipment Blank #1	532
ST-217	KAFB-EB-217-041594	111A			Equipment Blank #1	540
ST-217	KAFB-EB-217-041594	111A			Equipment Blank #1	541
ST-217	KAFB-EB-217-041594	111A	P269778	25383	Equipment Blank #1	520
ST-217	KAFB-EB-217-041594	111A	P269778	25383	Equipment Blank #1	529
ST-217	KAFB-EB-217-041594	111A	P269778	25383	Equipment Blank #1	538
ST-217	KAFB-EB-217-041594	111A	P269778	25398	Equipment Blank #1	525
ST-217	KAFB-EB-217-041594	111A	P269778	25398	Equipment Blank #1	526
ST-217	KAFB-EB-217-041594	111A	P269778	25398	Equipment Blank #1	534
ST-217	KAFB-EB-217-041594	111A	P269778	25398	Equipment Blank #1	535
ST-217	KAFB-EB-217-041594	111A	P269778	25398	Equipment Blank #1	543
ST-217	KAFB-EB-217-041594	111A	P269778	25398	Equipment Blank #1	544
ST-217	KAFB-EB-217-041594	111A	P269778	25410	Equipment Blank #1	521
ST-217	KAFB-EB-217-041594	111A	P269778	25410	Equipment Blank #1	530
ST-217	KAFB-EB-217-041594	111A	P269778	25410	Equipment Blank #1	539
ST-217	KAFB-TB-01-041594	111A			Trip Blank #1	524
ST-217	KAFB-TB-01-041594	111A			Trip Blank #1	533
ST-217	KAFB-TB-01-041594	111A			Trip Blank #1	542
ST-218	KAFB-218-01-0709	011A			Normal Environmental Sample #1	549
ST-218	KAFB-218-01-0709	011A	0347930009SA	034793	Normal Environmental Sample #1	546
ST-218	KAFB-218-01-0709	011A	0347930009SA	940417D	Normal Environmental Sample #1	551
ST-218	KAFB-218-01-0709	011A	P269223	25124	Normal Environmental Sample #1	550
ST-218	KAFB-218-01-0709	011A	P269223	25125	Normal Environmental Sample #1	552
ST-218	KAFB-218-01-0709	011A	P269223	25125	Normal Environmental Sample #1	553
ST-218	KAFB-218-01-0709	011A	P269223	25159	Normal Environmental Sample #1	554
ST-218	KAFB-218-01-0709	011A	P269223	25243	Normal Environmental Sample #1	547
ST-218	KAFB-218-01-0709	011A	P269223	25402	Normal Environmental Sample #1	548
ST-218	KAFB-218-01-1214	011A			Normal Environmental Sample #1	549
ST-218	KAFB-218-01-1214	011A	0347930010SA	034793	Normal Environmental Sample #1	546

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Site	Field ID	Fld Lot	Lab ID	Lab Lot	Sample Description	Page
ST-218	KAFB-218-01-1214	011A	0347930010SA	940417D	Normal Environmental Sample #1	551
ST-218	KAFB-218-01-1214	011A	P269224	25124	Normal Environmental Sample #1	550
ST-218	KAFB-218-01-1214	011A	P269224	25125	Normal Environmental Sample #1	552
ST-218	KAFB-218-01-1214	011A	P269224	25125	Normal Environmental Sample #1	553
ST-218	KAFB-218-01-1214	011A	P269224	25159	Normal Environmental Sample #1	554
ST-218	KAFB-218-01-1214	011A	P269224	25243	Normal Environmental Sample #1	547
ST-218	KAFB-218-01-1214	011A	P269224	25402	Normal Environmental Sample #1	548
ST-218	KAFB-218-02-0711	011A			Normal Environmental Sample #1	558
ST-218	KAFB-218-02-0711	011A	0347930011SA	034793	Normal Environmental Sample #1	555
ST-218	KAFB-218-02-0711	011A	0347930011SA	940418D	Normal Environmental Sample #1	560
ST-218	KAFB-218-02-0711	011A	P269225	25124	Normal Environmental Sample #1	559
ST-218	KAFB-218-02-0711	011A	P269225	25125	Normal Environmental Sample #1	561
ST-218	KAFB-218-02-0711	011A	P269225	25125	Normal Environmental Sample #1	562
ST-218	KAFB-218-02-0711	011A	P269225	25159	Normal Environmental Sample #1	563
ST-218	KAFB-218-02-0711	011A	P269225	25243	Normal Environmental Sample #1	556
ST-218	KAFB-218-02-0711	011A	P269225	25402	Normal Environmental Sample #1	557
ST-218	KAFB-218-02-1214	011A			Normal Environmental Sample #1	558
ST-218	KAFB-218-02-1214	011A	0347930016SA	034793	Normal Environmental Sample #1	555
ST-218	KAFB-218-02-1214	011A	0347930016SA	940418D	Normal Environmental Sample #1	560
ST-218	KAFB-218-02-1214	011A	P269227	25124	Normal Environmental Sample #1	559
ST-218	KAFB-218-02-1214	011A	P269227	25125	Normal Environmental Sample #1	561
ST-218	KAFB-218-02-1214	011A	P269227	25125	Normal Environmental Sample #1	562
ST-218	KAFB-218-02-1214	011A	P269227	25159	Normal Environmental Sample #1	563
ST-218	KAFB-218-02-1214	011A	P269227	25243	Normal Environmental Sample #1	556
ST-218	KAFB-218-02-1214	011A	P269227	25402	Normal Environmental Sample #1	557
ST-218	KAFB-218-03-0709	011A			Normal Environmental Sample #1	567
ST-218	KAFB-218-03-0709	011A	0347930012SA	034793	Normal Environmental Sample #1	564
ST-218	KAFB-218-03-0709	011A	0347930012SA	940418D	Normal Environmental Sample #1	569
ST-218	KAFB-218-03-0709	011A	P269228	25124	Normal Environmental Sample #1	568
ST-218	KAFB-218-03-0709	011A	P269228	25125	Normal Environmental Sample #1	570
ST-218	KAFB-218-03-0709	011A	P269228	25125	Normal Environmental Sample #1	571
ST-218	KAFB-218-03-0709	011A	P269228	25159	Normal Environmental Sample #1	572
ST-218	KAFB-218-03-0709	011A	P269228	25243	Normal Environmental Sample #1	565
ST-218	KAFB-218-03-0709	011A	P269228	25402	Normal Environmental Sample #1	566
ST-218	KAFB-218-03-1214	011A			Normal Environmental Sample #1	567
ST-218	KAFB-218-03-1214	011A	0347930015SA	034793	Normal Environmental Sample #1	564
ST-218	KAFB-218-03-1214	011A	0347930015SA	940418D	Normal Environmental Sample #1	569
ST-218	KAFB-218-03-1214	011A	P269229	25124	Normal Environmental Sample #1	568
ST-218	KAFB-218-03-1214	011A	P269229	25125	Normal Environmental Sample #1	570
ST-218	KAFB-218-03-1214	011A	P269229	25125	Normal Environmental Sample #1	571
ST-218	KAFB-218-03-1214	011A	P269229	25159	Normal Environmental Sample #1	572
ST-218	KAFB-218-03-1214	011A	P269229	25243	Normal Environmental Sample #1	565
ST-218	KAFB-218-03-1214	011A	P269229	25402	Normal Environmental Sample #1	566
ST-218	KAFB-218-99-0711	011A	0347930011SA	034793	Field Replicate #1	555
ST-218	KAFB-218-99-0711	011A	0347930011SA	940418D	Field Replicate #1	560
ST-218	KAFB-218-99-0711	011A	P269225	25125	Field Replicate #1	561
ST-218	KAFB-218-99-0711	011A	P269225	25125	Field Replicate #1	562
ST-218	KAFB-EB-218-040594	011A	0347930022EB	940418D	Equipment Blank #1	551
ST-218	KAFB-EB-218-040594	011A	0347930022EB	940418D	Equipment Blank #1	560
ST-218	KAFB-EB-218-040594	011A	0347930022EB	940418D	Equipment Blank #1	569
ST-218	KAFB-EB-218-040594	011A	P269222	25100	Equipment Blank #1	552
ST-218	KAFB-EB-218-040594	011A	P269222	25100	Equipment Blank #1	553

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Site	Field ID	Fld Lot	Lab ID	Lab Lot	Sample Description	Page
ST-218	KAFB-EB-218-040594	011A	P269222	25100	Equipment Blank #1	561
ST-218	KAFB-EB-218-040594	011A	P269222	25100	Equipment Blank #1	562
ST-218	KAFB-EB-218-040594	011A	P269222	25100	Equipment Blank #1	570
ST-218	KAFB-EB-218-040594	011A	P269222	25100	Equipment Blank #1	571
ST-218	KAFB-EB-218-040594	011A	P269222	25101	Equipment Blank #1	550
ST-218	KAFB-EB-218-040594	011A	P269222	25101	Equipment Blank #1	559
ST-218	KAFB-EB-218-040594	011A	P269222	25101	Equipment Blank #1	568
ST-218	KAFB-EB-218-040594	011A	P269222	25135	Equipment Blank #1	547
ST-218	KAFB-EB-218-040594	011A	P269222	25135	Equipment Blank #1	556
ST-218	KAFB-EB-218-040594	011A	P269222	25135	Equipment Blank #1	565
ST-218	KAFB-EB-218-040594	011A	P269222	25274	Equipment Blank #1	548
ST-218	KAFB-EB-218-040594	011A	P269222	25274	Equipment Blank #1	557
ST-218	KAFB-EB-218-040594	011A	P269222	25274	Equipment Blank #1	566
ST-218	KAFB-EB-218-040594	011A	P269222	26044	Equipment Blank #1	549
ST-218	KAFB-EB-218-040594	011A	P269222	26044	Equipment Blank #1	558
ST-218	KAFB-EB-218-040594	011A	P269222	26044	Equipment Blank #1	567
ST-218	KAFB-TB-01-040594	011A	0347930021TB	940418D	Trip Blank #1	551
ST-218	KAFB-TB-01-040594	011A	0347930021TB	940418D	Trip Blank #1	560
ST-218	KAFB-TB-01-040594	011A	0347930021TB	940418D	Trip Blank #1	569
ST-219	KAFB-219-01-0709	011A			Normal Environmental Sample #1	576
ST-219	KAFB-219-01-0709	011A	0349280003SA	034928	Normal Environmental Sample #1	573
ST-219	KAFB-219-01-0709	011A	0349280003SA	940430D	Normal Environmental Sample #1	578
ST-219	KAFB-219-01-0709	011A	P270015	25480	Normal Environmental Sample #1	574
ST-219	KAFB-219-01-0709	011A	P270015	25499	Normal Environmental Sample #1	581
ST-219	KAFB-219-01-0709	011A	P270015	25514	Normal Environmental Sample #1	579
ST-219	KAFB-219-01-0709	011A	P270015	25514	Normal Environmental Sample #1	580
ST-219	KAFB-219-01-0709	011A	P270015	25515	Normal Environmental Sample #1	577
ST-219	KAFB-219-01-0709	011A	P270015	25769	Normal Environmental Sample #1	575
ST-219	KAFB-219-01-1216	011A			Normal Environmental Sample #1	576
ST-219	KAFB-219-01-1216	011A	0349280004MS	940430D	Normal Environmental Sample #1	578
ST-219	KAFB-219-01-1216	011A	0349280004SA	034928	Normal Environmental Sample #1	573
ST-219	KAFB-219-01-1216	011A	P270016	25480	Normal Environmental Sample #1	574
ST-219	KAFB-219-01-1216	011A	P270016	25499	Normal Environmental Sample #1	581
ST-219	KAFB-219-01-1216	011A	P270016	25514	Normal Environmental Sample #1	579
ST-219	KAFB-219-01-1216	011A	P270016	25514	Normal Environmental Sample #1	580
ST-219	KAFB-219-01-1216	011A	P270016	25515	Normal Environmental Sample #1	577
ST-219	KAFB-219-01-1216	011A	P270016	25771	Normal Environmental Sample #1	575
ST-219	KAFB-219-02-0711	011A			Normal Environmental Sample #1	586
ST-219	KAFB-219-02-0711	011A	0349280005SA	034928	Normal Environmental Sample #1	582
ST-219	KAFB-219-02-0711	011A	0349280005SA	940430D	Normal Environmental Sample #1	588
ST-219	KAFB-219-02-0711	011A	P270017	25480	Normal Environmental Sample #1	583
ST-219	KAFB-219-02-0711	011A	P270017	25499	Normal Environmental Sample #1	594
ST-219	KAFB-219-02-0711	011A	P270017	25514	Normal Environmental Sample #1	590
ST-219	KAFB-219-02-0711	011A	P270017	25514	Normal Environmental Sample #1	591
ST-219	KAFB-219-02-0711	011A	P270017	25515	Normal Environmental Sample #1	587
ST-219	KAFB-219-02-0711	011A	P270017	25769	Normal Environmental Sample #1	585
ST-219	KAFB-219-02-1214	011A			Normal Environmental Sample #1	586
ST-219	KAFB-219-02-1214	011A	0349280007SA	034928	Normal Environmental Sample #1	582
ST-219	KAFB-219-02-1214	011A	0349280007SA	940430D	Normal Environmental Sample #1	588
ST-219	KAFB-219-02-1214	011A	P270019	25480	Normal Environmental Sample #1	583
ST-219	KAFB-219-02-1214	011A	P270019	25499	Normal Environmental Sample #1	594
ST-219	KAFB-219-02-1214	011A	P270019	25514	Normal Environmental Sample #1	590

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ST-219	KAFB-219-02-1214	011A	P270019	25514	Normal Environmental Sample #1	591
ST-219	KAFB-219-02-1214	011A	P270019	25515	Normal Environmental Sample #1	587
ST-219	KAFB-219-02-1214	011A	P270019	25770	Normal Environmental Sample #1	585
ST-219	KAFB-219-02-2224	011A			Normal Environmental Sample #1	586
ST-219	KAFB-219-02-2224	011A	0349280008SA	034928	Normal Environmental Sample #1	582
ST-219	KAFB-219-02-2224	011A	0349280008SA	940430D	Normal Environmental Sample #1	588
ST-219	KAFB-219-02-2224	011A	0349280008SA	940430D	Normal Environmental Sample #1	589
ST-219	KAFB-219-02-2224	011A	P270020	25480	Normal Environmental Sample #1	583
ST-219	KAFB-219-02-2224	011A	P270020	25480	Normal Environmental Sample #1	584
ST-219	KAFB-219-02-2224	011A	P270020	25499	Normal Environmental Sample #1	594
ST-219	KAFB-219-02-2224	011A	P270020	25514	Normal Environmental Sample #1	591
ST-219	KAFB-219-02-2224	011A	P270020	25514	Normal Environmental Sample #1	592
ST-219	KAFB-219-02-2224	011A	P270020	25514	Normal Environmental Sample #1	593
ST-219	KAFB-219-02-2224	011A	P270020	25515	Normal Environmental Sample #1	587
ST-219	KAFB-219-02-2224	011A	P270020	25770	Normal Environmental Sample #1	585
ST-219	KAFB-219-03-0709	011A			Normal Environmental Sample #1	598
ST-219	KAFB-219-03-0709	011A	0349280009RA	940504D	Normal Environmental Sample #1	600
ST-219	KAFB-219-03-0709	011A	0349280009SA	034928	Normal Environmental Sample #1	595
ST-219	KAFB-219-03-0709	011A	P270021	25480	Normal Environmental Sample #1	596
ST-219	KAFB-219-03-0709	011A	P270021	25499	Normal Environmental Sample #1	603
ST-219	KAFB-219-03-0709	011A	P270021	25514	Normal Environmental Sample #1	601
ST-219	KAFB-219-03-0709	011A	P270021	25514	Normal Environmental Sample #1	602
ST-219	KAFB-219-03-0709	011A	P270021	25515	Normal Environmental Sample #1	599
ST-219	KAFB-219-03-0709	011A	P270021	25770	Normal Environmental Sample #1	597
ST-219	KAFB-219-03-1216	011A			Normal Environmental Sample #1	598
ST-219	KAFB-219-03-1216	011A	0349280010SA	034928	Normal Environmental Sample #1	595
ST-219	KAFB-219-03-1216	011A	0349280010SA	940503D	Normal Environmental Sample #1	600
ST-219	KAFB-219-03-1216	011A	P270022	25480	Normal Environmental Sample #1	596
ST-219	KAFB-219-03-1216	011A	P270022	25499	Normal Environmental Sample #1	603
ST-219	KAFB-219-03-1216	011A	P270022	25514	Normal Environmental Sample #1	601
ST-219	KAFB-219-03-1216	011A	P270022	25514	Normal Environmental Sample #1	602
ST-219	KAFB-219-03-1216	011A	P270022	25515	Normal Environmental Sample #1	599
ST-219	KAFB-219-03-1216	011A	P270022	25770	Normal Environmental Sample #1	597
ST-219	KAFB-219-03-2224	011A			Normal Environmental Sample #1	598
ST-219	KAFB-219-03-2224	011A	0349280011SA	034928	Normal Environmental Sample #1	595
ST-219	KAFB-219-03-2224	011A	0349280011SA	940503D	Normal Environmental Sample #1	600
ST-219	KAFB-219-03-2224	011A	P270023	25480	Normal Environmental Sample #1	596
ST-219	KAFB-219-03-2224	011A	P270023	25499	Normal Environmental Sample #1	603
ST-219	KAFB-219-03-2224	011A	P270023	25514	Normal Environmental Sample #1	601
ST-219	KAFB-219-03-2224	011A	P270023	25514	Normal Environmental Sample #1	602
ST-219	KAFB-219-03-2224	011A	P270023	25515	Normal Environmental Sample #1	599
ST-219	KAFB-219-03-2224	011A	P270023	25770	Normal Environmental Sample #1	597
ST-219	KAFB-219-04-0709	011A			Normal Environmental Sample #1	607
ST-219	KAFB-219-04-0709	011A	0349630003RA	034963	Normal Environmental Sample #1	604
ST-219	KAFB-219-04-0709	011A	0349630003RA	940503D	Normal Environmental Sample #1	609
ST-219	KAFB-219-04-0709	011A	P270027	25480	Normal Environmental Sample #1	605
ST-219	KAFB-219-04-0709	011A	P270027	25499	Normal Environmental Sample #1	612
ST-219	KAFB-219-04-0709	011A	P270027	25514	Normal Environmental Sample #1	610
ST-219	KAFB-219-04-0709	011A	P270027	25514	Normal Environmental Sample #1	611
ST-219	KAFB-219-04-0709	011A	P270027	25515	Normal Environmental Sample #1	608
ST-219	KAFB-219-04-0709	011A	P270027	25770	Normal Environmental Sample #1	606
ST-219	KAFB-219-04-1214	011A			Normal Environmental Sample #1	607

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ST-219	KAFB-219-04-1214	011A	0349630004SA	034963	Normal Environmental Sample #1	604
ST-219	KAFB-219-04-1214	011A	0349630004SA	940503D	Normal Environmental Sample #1	609
ST-219	KAFB-219-04-1214	011A	P270028	25480	Normal Environmental Sample #1	605
ST-219	KAFB-219-04-1214	011A	P270028	25499	Normal Environmental Sample #1	612
ST-219	KAFB-219-04-1214	011A	P270028	25514	Normal Environmental Sample #1	610
ST-219	KAFB-219-04-1214	011A	P270028	25514	Normal Environmental Sample #1	611
ST-219	KAFB-219-04-1214	011A	P270028	25770	Normal Environmental Sample #1	606
ST-219	KAFB-219-04-1214	011A	P270028	26715	Normal Environmental Sample #1	608
ST-219	KAFB-219-04-2224	011A			Normal Environmental Sample #1	607
ST-219	KAFB-219-04-2224	011A	0349630005SA	034963	Normal Environmental Sample #1	604
ST-219	KAFB-219-04-2224	011A	0349630005SA	940504D	Normal Environmental Sample #1	609
ST-219	KAFB-219-04-2224	011A	P270029	25480	Normal Environmental Sample #1	605
ST-219	KAFB-219-04-2224	011A	P270029	25499	Normal Environmental Sample #1	612
ST-219	KAFB-219-04-2224	011A	P270029	25514	Normal Environmental Sample #1	610
ST-219	KAFB-219-04-2224	011A	P270029	25514	Normal Environmental Sample #1	611
ST-219	KAFB-219-04-2224	011A	P270029	25515	Normal Environmental Sample #1	608
ST-219	KAFB-219-04-2224	011A	P270029	25770	Normal Environmental Sample #1	606
ST-219	KAFB-219-05-0711	011A			Normal Environmental Sample #1	617
ST-219	KAFB-219-05-0711	011A	0349630006SA	034963	Normal Environmental Sample #1	613
ST-219	KAFB-219-05-0711	011A	0349630006SA	940503D	Normal Environmental Sample #1	619
ST-219	KAFB-219-05-0711	011A	P270030	25480	Normal Environmental Sample #1	614
ST-219	KAFB-219-05-0711	011A	P270030	25499	Normal Environmental Sample #1	625
ST-219	KAFB-219-05-0711	011A	P270030	25514	Normal Environmental Sample #1	621
ST-219	KAFB-219-05-0711	011A	P270030	25514	Normal Environmental Sample #1	622
ST-219	KAFB-219-05-0711	011A	P270030	25770	Normal Environmental Sample #1	616
ST-219	KAFB-219-05-0711	011A	P270030	26715	Normal Environmental Sample #1	618
ST-219	KAFB-219-05-1215	011A			Normal Environmental Sample #1	617
ST-219	KAFB-219-05-1215	011A	0349630008SA	034963	Normal Environmental Sample #1	613
ST-219	KAFB-219-05-1215	011A	0349630008SA	940503D	Normal Environmental Sample #1	619
ST-219	KAFB-219-05-1215	011A	P270032	25480	Normal Environmental Sample #1	614
ST-219	KAFB-219-05-1215	011A	P270032	25499	Normal Environmental Sample #1	625
ST-219	KAFB-219-05-1215	011A	P270032	25514	Normal Environmental Sample #1	621
ST-219	KAFB-219-05-1215	011A	P270032	25514	Normal Environmental Sample #1	622
ST-219	KAFB-219-05-1215	011A	P270032	25515	Normal Environmental Sample #1	618
ST-219	KAFB-219-05-1215	011A	P270032	25770	Normal Environmental Sample #1	616
ST-219	KAFB-219-05-2225	011A			Normal Environmental Sample #1	617
ST-219	KAFB-219-05-2225	011A	0349630009SA	034963	Normal Environmental Sample #1	613
ST-219	KAFB-219-05-2225	011A	0349630009SA	940503D	Normal Environmental Sample #1	619
ST-219	KAFB-219-05-2225	011A	0349630009SA	940503D	Normal Environmental Sample #1	620
ST-219	KAFB-219-05-2225	011A	P270033	25480	Normal Environmental Sample #1	614
ST-219	KAFB-219-05-2225	011A	P270033	25480	Normal Environmental Sample #1	615
ST-219	KAFB-219-05-2225	011A	P270033	25499	Normal Environmental Sample #1	625
ST-219	KAFB-219-05-2225	011A	P270033	25514	Normal Environmental Sample #1	622
ST-219	KAFB-219-05-2225	011A	P270033	25514	Normal Environmental Sample #1	623
ST-219	KAFB-219-05-2225	011A	P270033	25514	Normal Environmental Sample #1	624
ST-219	KAFB-219-05-2225	011A	P270033	25515	Normal Environmental Sample #1	618
ST-219	KAFB-219-05-2225	011A	P270033	25770	Normal Environmental Sample #1	616
ST-219	KAFB-219-06-0709	011A	0362490016RA	036249	Normal Environmental Sample #1	626
ST-219	KAFB-219-06-0709	011A	0362490016RA	940629A	Normal Environmental Sample #1	632
ST-219	KAFB-219-06-0709	011A	0362490016SA	940622B	Normal Environmental Sample #1	627
ST-219	KAFB-219-06-0709	011A	P276652	26968	Normal Environmental Sample #1	631
ST-219	KAFB-219-06-0709	011A	P276652	26982	Normal Environmental Sample #1	635

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Site	Field ID	Fld Lot	Lab ID	Lab Lot	Sample Description	Page
ST-219	KAFB-219-06-0709	011A	P276652	26982	Normal Environmental Sample #1	636
ST-219	KAFB-219-06-0709	011A	P276652	26984	Normal Environmental Sample #1	641
ST-219	KAFB-219-06-0709	011A	P276652	27102	Normal Environmental Sample #1	628
ST-219	KAFB-219-06-0709	011A	P276652	27156	Normal Environmental Sample #1	630
ST-219	KAFB-219-06-105107	011A			Normal Environmental Sample #1	645
ST-219	KAFB-219-06-105107	011A	0363160006SA	036316	Normal Environmental Sample #1	642
ST-219	KAFB-219-06-105107	011A	0363160006SA	940630N	Normal Environmental Sample #1	647
ST-219	KAFB-219-06-105107	011A	P276871	26980	Normal Environmental Sample #1	646
ST-219	KAFB-219-06-105107	011A	P276871	26982	Normal Environmental Sample #1	648
ST-219	KAFB-219-06-105107	011A	P276871	26982	Normal Environmental Sample #1	649
ST-219	KAFB-219-06-105107	011A	P276871	26984	Normal Environmental Sample #1	650
ST-219	KAFB-219-06-105107	011A	P276871	27032	Normal Environmental Sample #1	643
ST-219	KAFB-219-06-105107	011A	P276871	27175	Normal Environmental Sample #1	644
ST-219	KAFB-219-06-1214	011A	0362490017RA	036249	Normal Environmental Sample #1	626
ST-219	KAFB-219-06-1214	011A	0362490017RA	940629A	Normal Environmental Sample #1	632
ST-219	KAFB-219-06-1214	011A	0362490017SA	940622B	Normal Environmental Sample #1	627
ST-219	KAFB-219-06-1214	011A	P276653	26968	Normal Environmental Sample #1	631
ST-219	KAFB-219-06-1214	011A	P276653	26982	Normal Environmental Sample #1	635
ST-219	KAFB-219-06-1214	011A	P276653	26982	Normal Environmental Sample #1	636
ST-219	KAFB-219-06-1214	011A	P276653	26984	Normal Environmental Sample #1	641
ST-219	KAFB-219-06-1214	011A	P276653	27102	Normal Environmental Sample #1	628
ST-219	KAFB-219-06-1214	011A	P276653	27175	Normal Environmental Sample #1	630
ST-219	KAFB-219-06-2426	011A	0362490018RA	036249	Normal Environmental Sample #1	626
ST-219	KAFB-219-06-2426	011A	0362490018RA	940629A	Normal Environmental Sample #1	632
ST-219	KAFB-219-06-2426	011A	0362490018SA	940622B	Normal Environmental Sample #1	627
ST-219	KAFB-219-06-2426	011A	P276654	26968	Normal Environmental Sample #1	631
ST-219	KAFB-219-06-2426	011A	P276654	26982	Normal Environmental Sample #1	635
ST-219	KAFB-219-06-2426	011A	P276654	26982	Normal Environmental Sample #1	636
ST-219	KAFB-219-06-2426	011A	P276654	26984	Normal Environmental Sample #1	641
ST-219	KAFB-219-06-2426	011A	P276654	27032	Normal Environmental Sample #1	628
ST-219	KAFB-219-06-2426	011A	P276654	27175	Normal Environmental Sample #1	630
ST-219	KAFB-219-06-3234	011A	0362490019RA	036249	Normal Environmental Sample #1	626
ST-219	KAFB-219-06-3234	011A	0362490019RA	940629A	Normal Environmental Sample #1	632
ST-219	KAFB-219-06-3234	011A	0362490019RA	940629A	Normal Environmental Sample #1	633
ST-219	KAFB-219-06-3234	011A	0362490019SA	940622B	Normal Environmental Sample #1	627
ST-219	KAFB-219-06-3234	011A	P276655	26968	Normal Environmental Sample #1	631
ST-219	KAFB-219-06-3234	011A	P276655	26982	Normal Environmental Sample #1	636
ST-219	KAFB-219-06-3234	011A	P276655	26982	Normal Environmental Sample #1	637
ST-219	KAFB-219-06-3234	011A	P276655	26982	Normal Environmental Sample #1	638
ST-219	KAFB-219-06-3234	011A	P276655	26984	Normal Environmental Sample #1	641
ST-219	KAFB-219-06-3234	011A	P276655	27032	Normal Environmental Sample #1	628
ST-219	KAFB-219-06-3234	011A	P276655	27032	Normal Environmental Sample #1	629
ST-219	KAFB-219-06-3234	011A	P276655	27175	Normal Environmental Sample #1	630
ST-219	KAFB-219-06-4244	011A	0362490020RA	036249	Normal Environmental Sample #1	626
ST-219	KAFB-219-06-4244	011A	0362490020RA	940629A	Normal Environmental Sample #1	632
ST-219	KAFB-219-06-4244	011A	0362490020RA	940629A	Normal Environmental Sample #1	633
ST-219	KAFB-219-06-4244	011A	0362490020SA	940622B	Normal Environmental Sample #1	627
ST-219	KAFB-219-06-4244	011A	P276656	26968	Normal Environmental Sample #1	631
ST-219	KAFB-219-06-4244	011A	P276656	26982	Normal Environmental Sample #1	636
ST-219	KAFB-219-06-4244	011A	P276656	26982	Normal Environmental Sample #1	637
ST-219	KAFB-219-06-4244	011A	P276656	26982	Normal Environmental Sample #1	638
ST-219	KAFB-219-06-4244	011A	P276656	26984	Normal Environmental Sample #1	641

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ST-219	KAFB-219-06-4244	011A	P276656	27032	Normal Environmental Sample #1	628
ST-219	KAFB-219-06-4244	011A	P276656	27032	Normal Environmental Sample #1	629
ST-219	KAFB-219-06-4244	011A	P276656	27175	Normal Environmental Sample #1	630
ST-219	KAFB-219-06-5254	011A	0362490021SA	036249	Normal Environmental Sample #1	626
ST-219	KAFB-219-06-5254	011A	0362490021SA	940622B	Normal Environmental Sample #1	627
ST-219	KAFB-219-06-5254	011A	0362490021SA	940630N	Normal Environmental Sample #1	632
ST-219	KAFB-219-06-5254	011A	0362490021SA	940630N	Normal Environmental Sample #1	633
ST-219	KAFB-219-06-5254	011A	P276657	26968	Normal Environmental Sample #1	631
ST-219	KAFB-219-06-5254	011A	P276657	26982	Normal Environmental Sample #1	636
ST-219	KAFB-219-06-5254	011A	P276657	26982	Normal Environmental Sample #1	637
ST-219	KAFB-219-06-5254	011A	P276657	26982	Normal Environmental Sample #1	638
ST-219	KAFB-219-06-5254	011A	P276657	26984	Normal Environmental Sample #1	641
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ST-219	KAFB-219-06-5254	011A	P276657	27032	Normal Environmental Sample #1	629
ST-219	KAFB-219-06-5254	011A	P276657	27175	Normal Environmental Sample #1	630
ST-219	KAFB-219-06-7476	011A	0362490022RA	036249	Normal Environmental Sample #1	626
ST-219	KAFB-219-06-7476	011A	0362490022RA	940629A	Normal Environmental Sample #1	633
ST-219	KAFB-219-06-7476	011A	0362490022RA	940629A	Normal Environmental Sample #1	634
ST-219	KAFB-219-06-7476	011A	0362490022SA	940622B	Normal Environmental Sample #1	627
ST-219	KAFB-219-06-7476	011A	P276658	26968	Normal Environmental Sample #1	631
ST-219	KAFB-219-06-7476	011A	P276658	26982	Normal Environmental Sample #1	638
ST-219	KAFB-219-06-7476	011A	P276658	26982	Normal Environmental Sample #1	639
ST-219	KAFB-219-06-7476	011A	P276658	26982	Normal Environmental Sample #1	640
ST-219	KAFB-219-06-7476	011A	P276658	26984	Normal Environmental Sample #1	641
ST-219	KAFB-219-06-7476	011A	P276658	27032	Normal Environmental Sample #1	629
ST-219	KAFB-219-06-7476	011A	P276658	27175	Normal Environmental Sample #1	630
ST-219	KAFB-219-07-100102				Normal Environmental Sample #1	654
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ST-219	KAFB-219-07-100102				Normal Environmental Sample #1	663
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ST-219	KAFB-219-07-100102				Normal Environmental Sample #1	665
ST-219	KAFB-219-07-100102		940610-06		Normal Environmental Sample #1	651
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ST-219	KAFB-219-07-100102		940610-06		Normal Environmental Sample #1	658
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ST-219	KAFB-219-07-110112				Normal Environmental Sample #1	654
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ST-219	KAFB-219-07-110112				Normal Environmental Sample #1	663
ST-219	KAFB-219-07-110112				Normal Environmental Sample #1	664
ST-219	KAFB-219-07-110112				Normal Environmental Sample #1	665
ST-219	KAFB-219-07-110112		940610-07		Normal Environmental Sample #1	651
ST-219	KAFB-219-07-110112		940610-07		Normal Environmental Sample #1	652
ST-219	KAFB-219-07-110112		940610-07		Normal Environmental Sample #1	658
ST-219	KAFB-219-07-110112		940610-07		Normal Environmental Sample #1	659
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ST-219	KAFB-219-07-120122				Normal Environmental Sample #1	655
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ST-219	KAFB-219-07-120122				Normal Environmental Sample #1	663
ST-219	KAFB-219-07-120122				Normal Environmental Sample #1	664
ST-219	KAFB-219-07-120122				Normal Environmental Sample #1	665

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Site	Field ID	Fld Lot	Lab ID	Lab Lot	Sample Description	Page
ST-219	KAFB-219-07-120122		940610-08		Normal Environmental Sample #1	651
ST-219	KAFB-219-07-120122		940610-08		Normal Environmental Sample #1	652
ST-219	KAFB-219-07-120122		940610-08		Normal Environmental Sample #1	658
ST-219	KAFB-219-07-120122		940610-08		Normal Environmental Sample #1	659
ST-219	KAFB-219-07-130132				Normal Environmental Sample #1	654
ST-219	KAFB-219-07-130132				Normal Environmental Sample #1	655
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ST-219	KAFB-219-07-130132				Normal Environmental Sample #1	665
ST-219	KAFB-219-07-130132				Normal Environmental Sample #1	666
ST-219	KAFB-219-07-130132		940610-09		Normal Environmental Sample #1	652
ST-219	KAFB-219-07-130132		940610-09		Normal Environmental Sample #1	659
ST-219	KAFB-219-07-130132		940610-09		Normal Environmental Sample #1	660
ST-219	KAFB-219-07-140144				Normal Environmental Sample #1	654
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ST-219	KAFB-219-07-140144				Normal Environmental Sample #1	665
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ST-219	KAFB-219-07-140144		940610-10		Normal Environmental Sample #1	652
ST-219	KAFB-219-07-140144		940610-10		Normal Environmental Sample #1	659
ST-219	KAFB-219-07-140144		940610-10		Normal Environmental Sample #1	660
ST-219	KAFB-219-07-150152				Normal Environmental Sample #1	654
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ST-219	KAFB-219-07-150152				Normal Environmental Sample #1	665
ST-219	KAFB-219-07-150152				Normal Environmental Sample #1	666
ST-219	KAFB-219-07-150152		940610-02		Normal Environmental Sample #1	652
ST-219	KAFB-219-07-150152		940610-02		Normal Environmental Sample #1	659
ST-219	KAFB-219-07-150152		940610-02		Normal Environmental Sample #1	660
ST-219	KAFB-219-07-7476				Normal Environmental Sample #1	654
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ST-219	KAFB-219-07-7476				Normal Environmental Sample #1	656
ST-219	KAFB-219-07-7476				Normal Environmental Sample #1	662
ST-219	KAFB-219-07-7476				Normal Environmental Sample #1	663
ST-219	KAFB-219-07-7476		940610-03		Normal Environmental Sample #1	651
ST-219	KAFB-219-07-7476		940610-03		Normal Environmental Sample #1	658
ST-219	KAFB-219-07-8082				Normal Environmental Sample #1	654
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ST-219	KAFB-219-07-8082		940610-04		Normal Environmental Sample #1	651
ST-219	KAFB-219-07-8082		940610-04		Normal Environmental Sample #1	658
ST-219	KAFB-219-07-9092				Normal Environmental Sample #1	654
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ST-219	KAFB-219-07-9092				Normal Environmental Sample #1	662
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ST-219	KAFB-219-07-9092		940610-05		Normal Environmental Sample #1	651
ST-219	KAFB-219-07-9092		940610-05		Normal Environmental Sample #1	658
ST-219	KAFB-219-08-100102	011A			Normal Environmental Sample #1	673
ST-219	KAFB-219-08-100102	011A			Normal Environmental Sample #1	674
ST-219	KAFB-219-08-100102	011A			Normal Environmental Sample #1	683

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ST-219	KAFB-219-08-100102	011A			Normal Environmental Sample #1	684
ST-219	KAFB-219-08-100102	011A			Normal Environmental Sample #1	685
ST-219	KAFB-219-08-100102	011A	940643-16		Normal Environmental Sample #1	670
ST-219	KAFB-219-08-100102	011A	940643-16		Normal Environmental Sample #1	671
ST-219	KAFB-219-08-100102	011A	940643-16		Normal Environmental Sample #1	672
ST-219	KAFB-219-08-100102	011A	940643-16		Normal Environmental Sample #1	677
ST-219	KAFB-219-08-100102	011A	940643-16		Normal Environmental Sample #1	678
ST-219	KAFB-219-08-1012	011A			Normal Environmental Sample #1	673
ST-219	KAFB-219-08-1012	011A			Normal Environmental Sample #1	674
ST-219	KAFB-219-08-1012	011A			Normal Environmental Sample #1	679
ST-219	KAFB-219-08-1012	011A			Normal Environmental Sample #1	680
ST-219	KAFB-219-08-1012	011A	940643-07		Normal Environmental Sample #1	669
ST-219	KAFB-219-08-1012	011A	940643-07		Normal Environmental Sample #1	672
ST-219	KAFB-219-08-1012	011A	940643-07		Normal Environmental Sample #1	675
ST-219	KAFB-219-08-2022	011A			Normal Environmental Sample #1	673
ST-219	KAFB-219-08-2022	011A			Normal Environmental Sample #1	674
ST-219	KAFB-219-08-2022	011A			Normal Environmental Sample #1	679
ST-219	KAFB-219-08-2022	011A			Normal Environmental Sample #1	680
ST-219	KAFB-219-08-2022	011A	940643-08		Normal Environmental Sample #1	669
ST-219	KAFB-219-08-2022	011A	940643-08		Normal Environmental Sample #1	672
ST-219	KAFB-219-08-2022	011A	940643-08		Normal Environmental Sample #1	675
ST-219	KAFB-219-08-3032	011A			Normal Environmental Sample #1	673
ST-219	KAFB-219-08-3032	011A			Normal Environmental Sample #1	674
ST-219	KAFB-219-08-3032	011A			Normal Environmental Sample #1	679
ST-219	KAFB-219-08-3032	011A			Normal Environmental Sample #1	680
ST-219	KAFB-219-08-3032	011A	940643-09		Normal Environmental Sample #1	669
ST-219	KAFB-219-08-3032	011A	940643-09		Normal Environmental Sample #1	672
ST-219	KAFB-219-08-3032	011A	940643-09		Normal Environmental Sample #1	675
ST-219	KAFB-219-08-4042	011A			Normal Environmental Sample #1	673
ST-219	KAFB-219-08-4042	011A			Normal Environmental Sample #1	674
ST-219	KAFB-219-08-4042	011A			Normal Environmental Sample #1	680
ST-219	KAFB-219-08-4042	011A			Normal Environmental Sample #1	681
ST-219	KAFB-219-08-4042	011A			Normal Environmental Sample #1	682
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ST-219	KAFB-219-08-4042	011A	940643-10		Normal Environmental Sample #1	672
ST-219	KAFB-219-08-4042	011A	940643-10		Normal Environmental Sample #1	675
ST-219	KAFB-219-08-4042	011A	940643-10		Normal Environmental Sample #1	676
ST-219	KAFB-219-08-5557	011A			Normal Environmental Sample #1	673
ST-219	KAFB-219-08-5557	011A			Normal Environmental Sample #1	674
ST-219	KAFB-219-08-5557	011A			Normal Environmental Sample #1	680
ST-219	KAFB-219-08-5557	011A			Normal Environmental Sample #1	681
ST-219	KAFB-219-08-5557	011A			Normal Environmental Sample #1	682
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ST-219	KAFB-219-08-5557	011A	940643-11		Normal Environmental Sample #1	675
ST-219	KAFB-219-08-5557	011A	940643-11		Normal Environmental Sample #1	676
ST-219	KAFB-219-08-6062	011A			Normal Environmental Sample #1	673
ST-219	KAFB-219-08-6062	011A			Normal Environmental Sample #1	674
ST-219	KAFB-219-08-6062	011A			Normal Environmental Sample #1	680
ST-219	KAFB-219-08-6062	011A			Normal Environmental Sample #1	681

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ST-219	KAFB-219-08-6062	011A			Normal Environmental Sample #1	682
ST-219	KAFB-219-08-6062	011A	940643-12		Normal Environmental Sample #1	669
ST-219	KAFB-219-08-6062	011A	940643-12		Normal Environmental Sample #1	670
ST-219	KAFB-219-08-6062	011A	940643-12		Normal Environmental Sample #1	672
ST-219	KAFB-219-08-6062	011A	940643-12		Normal Environmental Sample #1	675
ST-219	KAFB-219-08-6062	011A	940643-12		Normal Environmental Sample #1	676
ST-219	KAFB-219-08-7074	011A			Normal Environmental Sample #1	673
ST-219	KAFB-219-08-7074	011A			Normal Environmental Sample #1	674
ST-219	KAFB-219-08-7074	011A			Normal Environmental Sample #1	682
ST-219	KAFB-219-08-7074	011A			Normal Environmental Sample #1	683
ST-219	KAFB-219-08-7074	011A	940643-13		Normal Environmental Sample #1	670
ST-219	KAFB-219-08-7074	011A	940643-13		Normal Environmental Sample #1	672
ST-219	KAFB-219-08-7074	011A	940643-13		Normal Environmental Sample #1	676
ST-219	KAFB-219-08-7074	011A	940643-13		Normal Environmental Sample #1	677
ST-219	KAFB-219-08-8084	011A			Normal Environmental Sample #1	673
ST-219	KAFB-219-08-8084	011A			Normal Environmental Sample #1	674
ST-219	KAFB-219-08-8084	011A			Normal Environmental Sample #1	682
ST-219	KAFB-219-08-8084	011A			Normal Environmental Sample #1	683
ST-219	KAFB-219-08-8084	011A	940643-14		Normal Environmental Sample #1	670
ST-219	KAFB-219-08-8084	011A	940643-14		Normal Environmental Sample #1	672
ST-219	KAFB-219-08-8084	011A	940643-14		Normal Environmental Sample #1	676
ST-219	KAFB-219-08-8084	011A	940643-14		Normal Environmental Sample #1	677
ST-219	KAFB-219-08-9092	011A			Normal Environmental Sample #1	673
ST-219	KAFB-219-08-9092	011A			Normal Environmental Sample #1	674
ST-219	KAFB-219-08-9092	011A			Normal Environmental Sample #1	682
ST-219	KAFB-219-08-9092	011A			Normal Environmental Sample #1	683
ST-219	KAFB-219-08-9092	011A	940643-15		Normal Environmental Sample #1	670
ST-219	KAFB-219-08-9092	011A	940643-15		Normal Environmental Sample #1	672
ST-219	KAFB-219-08-9092	011A	940643-15		Normal Environmental Sample #1	676
ST-219	KAFB-219-08-9092	011A	940643-15		Normal Environmental Sample #1	677
ST-219	KAFB-219-09-100102				Normal Environmental Sample #1	686
ST-219	KAFB-219-09-100102				Normal Environmental Sample #1	687
ST-219	KAFB-219-09-100102				Normal Environmental Sample #1	696
ST-219	KAFB-219-09-100102				Normal Environmental Sample #1	697
ST-219	KAFB-219-09-100102				Normal Environmental Sample #1	698
ST-219	KAFB-219-09-100102		940651-12		Normal Environmental Sample #1	690
ST-219	KAFB-219-09-100102		940651-12		Normal Environmental Sample #1	691
ST-219	KAFB-219-09-1012				Normal Environmental Sample #1	686
ST-219	KAFB-219-09-1012				Normal Environmental Sample #1	687
ST-219	KAFB-219-09-1012				Normal Environmental Sample #1	692
ST-219	KAFB-219-09-1012				Normal Environmental Sample #1	693
ST-219	KAFB-219-09-1012		940651-03		Normal Environmental Sample #1	688
ST-219	KAFB-219-09-2022				Normal Environmental Sample #1	686
ST-219	KAFB-219-09-2022				Normal Environmental Sample #1	687
ST-219	KAFB-219-09-2022				Normal Environmental Sample #1	692
ST-219	KAFB-219-09-2022				Normal Environmental Sample #1	693
ST-219	KAFB-219-09-2022		940651-04		Normal Environmental Sample #1	688
ST-219	KAFB-219-09-3032				Normal Environmental Sample #1	686
ST-219	KAFB-219-09-3032				Normal Environmental Sample #1	687
ST-219	KAFB-219-09-3032				Normal Environmental Sample #1	692
ST-219	KAFB-219-09-3032				Normal Environmental Sample #1	693
ST-219	KAFB-219-09-3032		940651-05		Normal Environmental Sample #1	688

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Site	Field ID	Fld Lot	Lab ID	Lab Lot	Sample Description	Page
ST-219	KAFB-219-09-4044				Normal Environmental Sample #1	686
ST-219	KAFB-219-09-4044				Normal Environmental Sample #1	687
ST-219	KAFB-219-09-4044				Normal Environmental Sample #1	693
ST-219	KAFB-219-09-4044				Normal Environmental Sample #1	694
ST-219	KAFB-219-09-4044				Normal Environmental Sample #1	695
ST-219	KAFB-219-09-4044		940651-06		Normal Environmental Sample #1	688
ST-219	KAFB-219-09-4044		940651-06		Normal Environmental Sample #1	689
ST-219	KAFB-219-09-5052				Normal Environmental Sample #1	686
ST-219	KAFB-219-09-5052				Normal Environmental Sample #1	687
ST-219	KAFB-219-09-5052				Normal Environmental Sample #1	693
ST-219	KAFB-219-09-5052				Normal Environmental Sample #1	694
ST-219	KAFB-219-09-5052				Normal Environmental Sample #1	695
ST-219	KAFB-219-09-5052		940651-07		Normal Environmental Sample #1	688
ST-219	KAFB-219-09-5052		940651-07		Normal Environmental Sample #1	689
ST-219	KAFB-219-09-6062				Normal Environmental Sample #1	686
ST-219	KAFB-219-09-6062				Normal Environmental Sample #1	687
ST-219	KAFB-219-09-6062				Normal Environmental Sample #1	693
ST-219	KAFB-219-09-6062				Normal Environmental Sample #1	694
ST-219	KAFB-219-09-6062				Normal Environmental Sample #1	695
ST-219	KAFB-219-09-6062		940651-08		Normal Environmental Sample #1	688
ST-219	KAFB-219-09-6062		940651-08		Normal Environmental Sample #1	689
ST-219	KAFB-219-09-7072				Normal Environmental Sample #1	686
ST-219	KAFB-219-09-7072				Normal Environmental Sample #1	687
ST-219	KAFB-219-09-7072				Normal Environmental Sample #1	695
ST-219	KAFB-219-09-7072				Normal Environmental Sample #1	696
ST-219	KAFB-219-09-7072		940651-09		Normal Environmental Sample #1	689
ST-219	KAFB-219-09-7072		940651-09		Normal Environmental Sample #1	690
ST-219	KAFB-219-09-8082				Normal Environmental Sample #1	686
ST-219	KAFB-219-09-8082				Normal Environmental Sample #1	687
ST-219	KAFB-219-09-8082				Normal Environmental Sample #1	695
ST-219	KAFB-219-09-8082				Normal Environmental Sample #1	696
ST-219	KAFB-219-09-8082		940651-10		Normal Environmental Sample #1	689
ST-219	KAFB-219-09-8082		940651-10		Normal Environmental Sample #1	690
ST-219	KAFB-219-09-9092				Normal Environmental Sample #1	686
ST-219	KAFB-219-09-9092				Normal Environmental Sample #1	687
ST-219	KAFB-219-09-9092				Normal Environmental Sample #1	695
ST-219	KAFB-219-09-9092				Normal Environmental Sample #1	696
ST-219	KAFB-219-09-9092		940651-11		Normal Environmental Sample #1	689
ST-219	KAFB-219-09-9092		940651-11		Normal Environmental Sample #1	690
ST-219	KAFB-219-10-100102				Normal Environmental Sample #1	702
ST-219	KAFB-219-10-100102				Normal Environmental Sample #1	703
ST-219	KAFB-219-10-100102				Normal Environmental Sample #1	712
ST-219	KAFB-219-10-100102				Normal Environmental Sample #1	713
ST-219	KAFB-219-10-100102				Normal Environmental Sample #1	714
ST-219	KAFB-219-10-100102		940651-23		Normal Environmental Sample #1	706
ST-219	KAFB-219-10-100102		940651-23		Normal Environmental Sample #1	707
ST-219	KAFB-219-10-1012				Normal Environmental Sample #1	702
ST-219	KAFB-219-10-1012				Normal Environmental Sample #1	703
ST-219	KAFB-219-10-1012				Normal Environmental Sample #1	708
ST-219	KAFB-219-10-1012				Normal Environmental Sample #1	709
ST-219	KAFB-219-10-1012		940651-14		Normal Environmental Sample #1	699
ST-219	KAFB-219-10-1012		940651-14		Normal Environmental Sample #1	701

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Site	Field ID	Fld Lot	Lab ID	Lab Lot	Sample Description	Page
ST-219	KAFB-219-10-1012		940651-14		Normal Environmental Sample #1	704
ST-219	KAFB-219-10-2022				Normal Environmental Sample #1	702
ST-219	KAFB-219-10-2022				Normal Environmental Sample #1	703
ST-219	KAFB-219-10-2022				Normal Environmental Sample #1	708
ST-219	KAFB-219-10-2022				Normal Environmental Sample #1	709
ST-219	KAFB-219-10-2022		940651-15		Normal Environmental Sample #1	699
ST-219	KAFB-219-10-2022		940651-15		Normal Environmental Sample #1	701
ST-219	KAFB-219-10-2022		940651-15		Normal Environmental Sample #1	704
ST-219	KAFB-219-10-3034				Normal Environmental Sample #1	702
ST-219	KAFB-219-10-3034				Normal Environmental Sample #1	703
ST-219	KAFB-219-10-3034				Normal Environmental Sample #1	708
ST-219	KAFB-219-10-3034				Normal Environmental Sample #1	709
ST-219	KAFB-219-10-3034		940651-16		Normal Environmental Sample #1	699
ST-219	KAFB-219-10-3034		940651-16		Normal Environmental Sample #1	701
ST-219	KAFB-219-10-3034		940651-16		Normal Environmental Sample #1	704
ST-219	KAFB-219-10-4042				Normal Environmental Sample #1	702
ST-219	KAFB-219-10-4042				Normal Environmental Sample #1	703
ST-219	KAFB-219-10-4042				Normal Environmental Sample #1	709
ST-219	KAFB-219-10-4042				Normal Environmental Sample #1	710
ST-219	KAFB-219-10-4042				Normal Environmental Sample #1	711
ST-219	KAFB-219-10-4042		940651-17		Normal Environmental Sample #1	699
ST-219	KAFB-219-10-4042		940651-17		Normal Environmental Sample #1	700
ST-219	KAFB-219-10-4042		940651-17		Normal Environmental Sample #1	701
ST-219	KAFB-219-10-4042		940651-17		Normal Environmental Sample #1	704
ST-219	KAFB-219-10-4042		940651-17		Normal Environmental Sample #1	705
ST-219	KAFB-219-10-5052				Normal Environmental Sample #1	702
ST-219	KAFB-219-10-5052				Normal Environmental Sample #1	703
ST-219	KAFB-219-10-5052				Normal Environmental Sample #1	709
ST-219	KAFB-219-10-5052				Normal Environmental Sample #1	710
ST-219	KAFB-219-10-5052				Normal Environmental Sample #1	711
ST-219	KAFB-219-10-5052		940651-18		Normal Environmental Sample #1	699
ST-219	KAFB-219-10-5052		940651-18		Normal Environmental Sample #1	700
ST-219	KAFB-219-10-5052		940651-18		Normal Environmental Sample #1	701
ST-219	KAFB-219-10-5052		940651-18		Normal Environmental Sample #1	704
ST-219	KAFB-219-10-5052		940651-18		Normal Environmental Sample #1	705
ST-219	KAFB-219-10-6062				Normal Environmental Sample #1	702
ST-219	KAFB-219-10-6062				Normal Environmental Sample #1	703
ST-219	KAFB-219-10-6062				Normal Environmental Sample #1	709
ST-219	KAFB-219-10-6062				Normal Environmental Sample #1	710
ST-219	KAFB-219-10-6062				Normal Environmental Sample #1	711
ST-219	KAFB-219-10-6062		940651-19		Normal Environmental Sample #1	699
ST-219	KAFB-219-10-6062		940651-19		Normal Environmental Sample #1	700
ST-219	KAFB-219-10-6062		940651-19		Normal Environmental Sample #1	701
ST-219	KAFB-219-10-6062		940651-19		Normal Environmental Sample #1	704
ST-219	KAFB-219-10-6062		940651-19		Normal Environmental Sample #1	705
ST-219	KAFB-219-10-7072				Normal Environmental Sample #1	702
ST-219	KAFB-219-10-7072				Normal Environmental Sample #1	703
ST-219	KAFB-219-10-7072				Normal Environmental Sample #1	711
ST-219	KAFB-219-10-7072				Normal Environmental Sample #1	712
ST-219	KAFB-219-10-7072		940651-20		Normal Environmental Sample #1	700
ST-219	KAFB-219-10-7072		940651-20		Normal Environmental Sample #1	701
ST-219	KAFB-219-10-7072		940651-20		Normal Environmental Sample #1	705

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Site	Field ID	Fld Lot	Lab ID	Lab Lot	Sample Description	Page
ST-219	KAFB-219-10-7072		940651-20		Normal Environmental Sample #1	706
ST-219	KAFB-219-10-8082				Normal Environmental Sample #1	702
ST-219	KAFB-219-10-8082				Normal Environmental Sample #1	703
ST-219	KAFB-219-10-8082				Normal Environmental Sample #1	711
ST-219	KAFB-219-10-8082				Normal Environmental Sample #1	712
ST-219	KAFB-219-10-8082		940651-21		Normal Environmental Sample #1	705
ST-219	KAFB-219-10-8082		940651-21		Normal Environmental Sample #1	706
ST-219	KAFB-219-10-9092				Normal Environmental Sample #1	702
ST-219	KAFB-219-10-9092				Normal Environmental Sample #1	703
ST-219	KAFB-219-10-9092				Normal Environmental Sample #1	711
ST-219	KAFB-219-10-9092				Normal Environmental Sample #1	712
ST-219	KAFB-219-10-9092		940651-22		Normal Environmental Sample #1	705
ST-219	KAFB-219-10-9092		940651-22		Normal Environmental Sample #1	706
ST-219	KAFB-219-11-100102				Normal Environmental Sample #1	733
ST-219	KAFB-219-11-100102				Normal Environmental Sample #1	734
ST-219	KAFB-219-11-100102				Normal Environmental Sample #1	736
ST-219	KAFB-219-11-100102				Normal Environmental Sample #1	737
ST-219	KAFB-219-11-100102		940662-12		Normal Environmental Sample #1	735
ST-219	KAFB-219-11-1012				Normal Environmental Sample #1	719
ST-219	KAFB-219-11-1012				Normal Environmental Sample #1	720
ST-219	KAFB-219-11-1012				Normal Environmental Sample #1	726
ST-219	KAFB-219-11-1012				Normal Environmental Sample #1	727
ST-219	KAFB-219-11-1012		940654-03		Normal Environmental Sample #1	715
ST-219	KAFB-219-11-1012		940654-03		Normal Environmental Sample #1	718
ST-219	KAFB-219-11-1012		940654-03		Normal Environmental Sample #1	722
ST-219	KAFB-219-11-2024				Normal Environmental Sample #1	719
ST-219	KAFB-219-11-2024				Normal Environmental Sample #1	720
ST-219	KAFB-219-11-2024				Normal Environmental Sample #1	726
ST-219	KAFB-219-11-2024				Normal Environmental Sample #1	727
ST-219	KAFB-219-11-2024		940654-04		Normal Environmental Sample #1	715
ST-219	KAFB-219-11-2024		940654-04		Normal Environmental Sample #1	718
ST-219	KAFB-219-11-2024		940654-04		Normal Environmental Sample #1	722
ST-219	KAFB-219-11-3034				Normal Environmental Sample #1	719
ST-219	KAFB-219-11-3034				Normal Environmental Sample #1	720
ST-219	KAFB-219-11-3034				Normal Environmental Sample #1	726
ST-219	KAFB-219-11-3034				Normal Environmental Sample #1	727
ST-219	KAFB-219-11-3034		940654-05		Normal Environmental Sample #1	715
ST-219	KAFB-219-11-3034		940654-05		Normal Environmental Sample #1	718
ST-219	KAFB-219-11-3034		940654-05		Normal Environmental Sample #1	722
ST-219	KAFB-219-11-4042				Normal Environmental Sample #1	719
ST-219	KAFB-219-11-4042				Normal Environmental Sample #1	720
ST-219	KAFB-219-11-4042				Normal Environmental Sample #1	727
ST-219	KAFB-219-11-4042				Normal Environmental Sample #1	728
ST-219	KAFB-219-11-4042				Normal Environmental Sample #1	729
ST-219	KAFB-219-11-4042		940654-06		Normal Environmental Sample #1	715
ST-219	KAFB-219-11-4042		940654-06		Normal Environmental Sample #1	716
ST-219	KAFB-219-11-4042		940654-06		Normal Environmental Sample #1	718
ST-219	KAFB-219-11-4042		940654-06		Normal Environmental Sample #1	722
ST-219	KAFB-219-11-4042		940654-06		Normal Environmental Sample #1	723
ST-219	KAFB-219-11-5052				Normal Environmental Sample #1	719
ST-219	KAFB-219-11-5052				Normal Environmental Sample #1	720
ST-219	KAFB-219-11-5052				Normal Environmental Sample #1	727

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ST-219	KAFB-219-11-5052				Normal Environmental Sample #1	728
ST-219	KAFB-219-11-5052				Normal Environmental Sample #1	729
ST-219	KAFB-219-11-5052		940654-07		Normal Environmental Sample #1	715
ST-219	KAFB-219-11-5052		940654-07		Normal Environmental Sample #1	716
ST-219	KAFB-219-11-5052		940654-07		Normal Environmental Sample #1	718
ST-219	KAFB-219-11-5052		940654-07		Normal Environmental Sample #1	722
ST-219	KAFB-219-11-5052		940654-07		Normal Environmental Sample #1	723
ST-219	KAFB-219-11-6062				Normal Environmental Sample #1	719
ST-219	KAFB-219-11-6062				Normal Environmental Sample #1	720
ST-219	KAFB-219-11-6062				Normal Environmental Sample #1	727
ST-219	KAFB-219-11-6062				Normal Environmental Sample #1	728
ST-219	KAFB-219-11-6062				Normal Environmental Sample #1	729
ST-219	KAFB-219-11-6062		940654-08		Normal Environmental Sample #1	715
ST-219	KAFB-219-11-6062		940654-08		Normal Environmental Sample #1	716
ST-219	KAFB-219-11-6062		940654-08		Normal Environmental Sample #1	718
ST-219	KAFB-219-11-6062		940654-08		Normal Environmental Sample #1	722
ST-219	KAFB-219-11-6062		940654-08		Normal Environmental Sample #1	723
ST-219	KAFB-219-11-7072				Normal Environmental Sample #1	719
ST-219	KAFB-219-11-7072				Normal Environmental Sample #1	720
ST-219	KAFB-219-11-7072				Normal Environmental Sample #1	729
ST-219	KAFB-219-11-7072				Normal Environmental Sample #1	730
ST-219	KAFB-219-11-7072		940654-09		Normal Environmental Sample #1	716
ST-219	KAFB-219-11-7072		940654-09		Normal Environmental Sample #1	718
ST-219	KAFB-219-11-7072		940654-09		Normal Environmental Sample #1	723
ST-219	KAFB-219-11-7072		940654-09		Normal Environmental Sample #1	724
ST-219	KAFB-219-11-8082				Normal Environmental Sample #1	719
ST-219	KAFB-219-11-8082				Normal Environmental Sample #1	720
ST-219	KAFB-219-11-8082				Normal Environmental Sample #1	729
ST-219	KAFB-219-11-8082				Normal Environmental Sample #1	730
ST-219	KAFB-219-11-8082		940654-10		Normal Environmental Sample #1	716
ST-219	KAFB-219-11-8082		940654-10		Normal Environmental Sample #1	718
ST-219	KAFB-219-11-8082		940654-10		Normal Environmental Sample #1	723
ST-219	KAFB-219-11-8082		940654-10		Normal Environmental Sample #1	724
ST-219	KAFB-219-11-9094				Normal Environmental Sample #1	719
ST-219	KAFB-219-11-9094				Normal Environmental Sample #1	720
ST-219	KAFB-219-11-9094				Normal Environmental Sample #1	721
ST-219	KAFB-219-11-9094				Normal Environmental Sample #1	729
ST-219	KAFB-219-11-9094				Normal Environmental Sample #1	730
ST-219	KAFB-219-11-9094		940654-11		Normal Environmental Sample #1	716
ST-219	KAFB-219-11-9094		940654-11		Normal Environmental Sample #1	718
ST-219	KAFB-219-11-9094		940654-11		Normal Environmental Sample #1	723
ST-219	KAFB-219-11-9094		940654-11		Normal Environmental Sample #1	724
ST-219	KAFB-219-12-100102				Normal Environmental Sample #1	740
ST-219	KAFB-219-12-100102				Normal Environmental Sample #1	741
ST-219	KAFB-219-12-100102				Normal Environmental Sample #1	742
ST-219	KAFB-219-12-100102				Normal Environmental Sample #1	751
ST-219	KAFB-219-12-100102				Normal Environmental Sample #1	752
ST-219	KAFB-219-12-100102				Normal Environmental Sample #1	753
ST-219	KAFB-219-12-100102		940662-22		Normal Environmental Sample #1	739
ST-219	KAFB-219-12-100102		940662-22		Normal Environmental Sample #1	745
ST-219	KAFB-219-12-100102		940662-22		Normal Environmental Sample #1	746
ST-219	KAFB-219-12-1012				Normal Environmental Sample #1	738

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ST-219	KAFB-219-12-1012				Normal Environmental Sample #1	740
ST-219	KAFB-219-12-1012				Normal Environmental Sample #1	741
ST-219	KAFB-219-12-1012				Normal Environmental Sample #1	747
ST-219	KAFB-219-12-1012				Normal Environmental Sample #1	748
ST-219	KAFB-219-12-1012		940662-13		Normal Environmental Sample #1	743
ST-219	KAFB-219-12-2022				Normal Environmental Sample #1	740
ST-219	KAFB-219-12-2022				Normal Environmental Sample #1	741
ST-219	KAFB-219-12-2022				Normal Environmental Sample #1	747
ST-219	KAFB-219-12-2022				Normal Environmental Sample #1	748
ST-219	KAFB-219-12-2022		940662-14		Normal Environmental Sample #1	743
ST-219	KAFB-219-12-3032				Normal Environmental Sample #1	740
ST-219	KAFB-219-12-3032				Normal Environmental Sample #1	741
ST-219	KAFB-219-12-3032				Normal Environmental Sample #1	747
ST-219	KAFB-219-12-3032				Normal Environmental Sample #1	748
ST-219	KAFB-219-12-3032		940662-15		Normal Environmental Sample #1	743
ST-219	KAFB-219-12-4044				Normal Environmental Sample #1	740
ST-219	KAFB-219-12-4044				Normal Environmental Sample #1	741
ST-219	KAFB-219-12-4044				Normal Environmental Sample #1	748
ST-219	KAFB-219-12-4044				Normal Environmental Sample #1	749
ST-219	KAFB-219-12-4044				Normal Environmental Sample #1	750
ST-219	KAFB-219-12-4044		940662-16		Normal Environmental Sample #1	743
ST-219	KAFB-219-12-4044		940662-16		Normal Environmental Sample #1	744
ST-219	KAFB-219-12-5054				Normal Environmental Sample #1	740
ST-219	KAFB-219-12-5054				Normal Environmental Sample #1	741
ST-219	KAFB-219-12-5054				Normal Environmental Sample #1	748
ST-219	KAFB-219-12-5054				Normal Environmental Sample #1	749
ST-219	KAFB-219-12-5054				Normal Environmental Sample #1	750
ST-219	KAFB-219-12-5054		940662-17		Normal Environmental Sample #1	743
ST-219	KAFB-219-12-5054		940662-17		Normal Environmental Sample #1	744
ST-219	KAFB-219-12-6062				Normal Environmental Sample #1	740
ST-219	KAFB-219-12-6062				Normal Environmental Sample #1	741
ST-219	KAFB-219-12-6062				Normal Environmental Sample #1	748
ST-219	KAFB-219-12-6062				Normal Environmental Sample #1	749
ST-219	KAFB-219-12-6062				Normal Environmental Sample #1	750
ST-219	KAFB-219-12-6062		940662-18		Normal Environmental Sample #1	743
ST-219	KAFB-219-12-6062		940662-18		Normal Environmental Sample #1	744
ST-219	KAFB-219-12-7072				Normal Environmental Sample #1	740
ST-219	KAFB-219-12-7072				Normal Environmental Sample #1	741
ST-219	KAFB-219-12-7072				Normal Environmental Sample #1	750
ST-219	KAFB-219-12-7072				Normal Environmental Sample #1	751
ST-219	KAFB-219-12-7072		940662-19		Normal Environmental Sample #1	744
ST-219	KAFB-219-12-7072		940662-19		Normal Environmental Sample #1	745
ST-219	KAFB-219-12-8082				Normal Environmental Sample #1	740
ST-219	KAFB-219-12-8082				Normal Environmental Sample #1	741
ST-219	KAFB-219-12-8082				Normal Environmental Sample #1	750
ST-219	KAFB-219-12-8082				Normal Environmental Sample #1	751
ST-219	KAFB-219-12-8082		940662-20		Normal Environmental Sample #1	744
ST-219	KAFB-219-12-8082		940662-20		Normal Environmental Sample #1	745
ST-219	KAFB-219-12-9092				Normal Environmental Sample #1	740
ST-219	KAFB-219-12-9092				Normal Environmental Sample #1	741
ST-219	KAFB-219-12-9092				Normal Environmental Sample #1	742
ST-219	KAFB-219-12-9092				Normal Environmental Sample #1	750

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Site	Field ID	Fld Lot	Lab ID	Lab Lot	Sample Description	Page
ST-219	KAFB-219-12-9092				Normal Environmental Sample #1	751
ST-219	KAFB-219-12-9092		940662-21		Normal Environmental Sample #1	738
ST-219	KAFB-219-12-9092		940662-21		Normal Environmental Sample #1	739
ST-219	KAFB-219-12-9092		940662-21		Normal Environmental Sample #1	744
ST-219	KAFB-219-12-9092		940662-21		Normal Environmental Sample #1	745
ST-219	KAFB-219-99-0711	011A			Field Replicate #1	586
ST-219	KAFB-219-99-0711	011A			Field Replicate #1	617
ST-219	KAFB-219-99-0711	011A	0349280005SA	034928	Field Replicate #1	582
ST-219	KAFB-219-99-0711	011A	0349280005SA	940430D	Field Replicate #1	588
ST-219	KAFB-219-99-0711	011A	0349630006SA	034963	Field Replicate #1	613
ST-219	KAFB-219-99-0711	011A	0349630006SA	940503D	Field Replicate #1	619
ST-219	KAFB-219-99-0711	011A	P270017	25480	Field Replicate #1	583
ST-219	KAFB-219-99-0711	011A	P270017	25499	Field Replicate #1	594
ST-219	KAFB-219-99-0711	011A	P270017	25514	Field Replicate #1	590
ST-219	KAFB-219-99-0711	011A	P270017	25514	Field Replicate #1	591
ST-219	KAFB-219-99-0711	011A	P270017	25515	Field Replicate #1	587
ST-219	KAFB-219-99-0711	011A	P270017	25769	Field Replicate #1	585
ST-219	KAFB-219-99-0711	011A	P270030	25480	Field Replicate #1	614
ST-219	KAFB-219-99-0711	011A	P270030	25499	Field Replicate #1	625
ST-219	KAFB-219-99-0711	011A	P270030	25514	Field Replicate #1	621
ST-219	KAFB-219-99-0711	011A	P270030	25514	Field Replicate #1	622
ST-219	KAFB-219-99-0711	011A	P270030	25770	Field Replicate #1	616
ST-219	KAFB-219-99-0711	011A	P270030	26715	Field Replicate #1	618
ST-219	KAFB-219-99-140144				Field Replicate #1	654
ST-219	KAFB-219-99-140144				Field Replicate #1	656
ST-219	KAFB-219-99-140144				Field Replicate #1	666
ST-219	KAFB-219-99-140144				Field Replicate #1	667
ST-219	KAFB-219-99-140144				Field Replicate #1	668
ST-219	KAFB-219-99-140144		940610-10		Field Replicate #1	652
ST-219	KAFB-219-99-140144		940610-10		Field Replicate #1	653
ST-219	KAFB-219-99-140144		940610-10		Field Replicate #1	657
ST-219	KAFB-219-99-140144		940610-10		Field Replicate #1	660
ST-219	KAFB-219-99-140144		940610-10		Field Replicate #1	661
ST-219	KAFB-219-99-2024				Field Replicate #1	730
ST-219	KAFB-219-99-2024				Field Replicate #1	731
ST-219	KAFB-219-99-2024				Field Replicate #1	732
ST-219	KAFB-219-99-2024		940654-04		Field Replicate #1	716
ST-219	KAFB-219-99-2024		940654-04		Field Replicate #1	717
ST-219	KAFB-219-99-2024		940654-04		Field Replicate #1	718
ST-219	KAFB-219-99-2024		940654-04		Field Replicate #1	724
ST-219	KAFB-219-99-2024		940654-04		Field Replicate #1	725
ST-219	KAFB-219-99-3034				Field Replicate #1	702
ST-219	KAFB-219-99-3034				Field Replicate #1	703
ST-219	KAFB-219-99-3034				Field Replicate #1	712
ST-219	KAFB-219-99-3034				Field Replicate #1	713
ST-219	KAFB-219-99-3034				Field Replicate #1	714
ST-219	KAFB-219-99-3034		940651-16		Field Replicate #1	706
ST-219	KAFB-219-99-3034		940651-16		Field Replicate #1	707
ST-219	KAFB-219-99-4044				Field Replicate #1	739
ST-219	KAFB-219-99-4044				Field Replicate #1	740
ST-219	KAFB-219-99-4044				Field Replicate #1	741
ST-219	KAFB-219-99-4044				Field Replicate #1	751

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ST-219	KAFB-219-99-4044				Field Replicate #1	752
ST-219	KAFB-219-99-4044				Field Replicate #1	753
ST-219	KAFB-219-99-4044		940662-16		Field Replicate #1	745
ST-219	KAFB-219-99-4044		940662-16		Field Replicate #1	746
ST-219	KAFB-219-99-4044		940662-23		Field Replicate #1	738
ST-219	KAFB-219-99-7074	011A			Field Replicate #1	673
ST-219	KAFB-219-99-7074	011A			Field Replicate #1	674
ST-219	KAFB-219-99-7074	011A			Field Replicate #1	683
ST-219	KAFB-219-99-7074	011A			Field Replicate #1	684
ST-219	KAFB-219-99-7074	011A			Field Replicate #1	685
ST-219	KAFB-219-99-7074	011A	940643-13		Field Replicate #1	670
ST-219	KAFB-219-99-7074	011A	940643-13		Field Replicate #1	671
ST-219	KAFB-219-99-7074	011A	940643-13		Field Replicate #1	672
ST-219	KAFB-219-99-7074	011A	940643-13		Field Replicate #1	677
ST-219	KAFB-219-99-7074	011A	940643-13		Field Replicate #1	678
ST-219	KAFB-219-99-9094				Field Replicate #1	719
ST-219	KAFB-219-99-9094				Field Replicate #1	720
ST-219	KAFB-219-99-9094				Field Replicate #1	721
ST-219	KAFB-219-99-9094				Field Replicate #1	730
ST-219	KAFB-219-99-9094				Field Replicate #1	731
ST-219	KAFB-219-99-9094				Field Replicate #1	732
ST-219	KAFB-219-99-9094		940654-11		Field Replicate #1	716
ST-219	KAFB-219-99-9094		940654-11		Field Replicate #1	717
ST-219	KAFB-219-99-9094		940654-11		Field Replicate #1	718
ST-219	KAFB-219-99-9094		940654-11		Field Replicate #1	724
ST-219	KAFB-219-99-9094		940654-11		Field Replicate #1	725
ST-219	KAFB-EB-219-040494	011A	0349630002EB	940430D	Equipment Blank #1	609
ST-219	KAFB-EB-219-040494	011A	0349630002EB	940430D	Equipment Blank #1	619
ST-219	KAFB-EB-219-040494	011A	0349630002EB	940430D	Equipment Blank #1	620
ST-219	KAFB-EB-219-040494	011A	P270026	25488	Equipment Blank #1	610
ST-219	KAFB-EB-219-040494	011A	P270026	25488	Equipment Blank #1	611
ST-219	KAFB-EB-219-040494	011A	P270026	25488	Equipment Blank #1	621
ST-219	KAFB-EB-219-040494	011A	P270026	25488	Equipment Blank #1	622
ST-219	KAFB-EB-219-040494	011A	P270026	25488	Equipment Blank #1	623
ST-219	KAFB-EB-219-040494	011A	P270026	25488	Equipment Blank #1	624
ST-219	KAFB-EB-219-041994	011A	0349280002EB	940430D	Equipment Blank #1	578
ST-219	KAFB-EB-219-041994	011A	0349280002EB	940430D	Equipment Blank #1	588
ST-219	KAFB-EB-219-041994	011A	0349280002EB	940430D	Equipment Blank #1	589
ST-219	KAFB-EB-219-041994	011A	0349280002EB	940430D	Equipment Blank #1	600
ST-219	KAFB-EB-219-041994	011A	P270014	25488	Equipment Blank #1	579
ST-219	KAFB-EB-219-041994	011A	P270014	25488	Equipment Blank #1	580
ST-219	KAFB-EB-219-041994	011A	P270014	25488	Equipment Blank #1	590
ST-219	KAFB-EB-219-041994	011A	P270014	25488	Equipment Blank #1	591
ST-219	KAFB-EB-219-041994	011A	P270014	25488	Equipment Blank #1	592
ST-219	KAFB-EB-219-041994	011A	P270014	25488	Equipment Blank #1	593
ST-219	KAFB-EB-219-041994	011A	P270014	25488	Equipment Blank #1	601
ST-219	KAFB-EB-219-041994	011A	P270014	25488	Equipment Blank #1	602
ST-219	KAFB-EB-219-061694	011A	0362490015EB	9406236K	Equipment Blank #1	627
ST-219	KAFB-EB-219-061694	011A	0362490015EB	9406236K	Equipment Blank #1	632
ST-219	KAFB-EB-219-061694	011A	0362490015EB	9406236K	Equipment Blank #1	633
ST-219	KAFB-EB-219-061694	011A	0362490015EB	9406236K	Equipment Blank #1	634
ST-219	KAFB-EB-219-061694	011A	0362490015EB	940630N	Equipment Blank #1	632

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ST-219	KAFB-EB-219-061694	011A	0362490015EB	940630N	Equipment Blank #1	633
ST-219	KAFB-EB-219-061694	011A	0362490015EB	940630N	Equipment Blank #1	634
ST-219	KAFB-EB-219-061694	011A	P276651	26822	Equipment Blank #1	635
ST-219	KAFB-EB-219-061694	011A	P276651	26822	Equipment Blank #1	636
ST-219	KAFB-EB-219-061694	011A	P276651	26822	Equipment Blank #1	637
ST-219	KAFB-EB-219-061694	011A	P276651	26822	Equipment Blank #1	638
ST-219	KAFB-EB-219-061694	011A	P276651	26822	Equipment Blank #1	639
ST-219	KAFB-EB-219-061694	011A	P276651	26822	Equipment Blank #1	640
ST-219	KAFB-EB-219-061794	011A	0363160002EB	940630N	Equipment Blank #1	647
ST-219	KAFB-EB-219-061794	011A	P276867	26937	Equipment Blank #1	648
ST-219	KAFB-EB-219-061794	011A	P276867	26937	Equipment Blank #1	649
ST-219	KAFB-EB-219-072194	011A			Equipment Blank #1	672
ST-219	KAFB-EB-219-072194	011A			Equipment Blank #1	673
ST-219	KAFB-EB-219-072194	011A			Equipment Blank #1	679
ST-219	KAFB-EB-219-072194	011A			Equipment Blank #1	680
ST-219	KAFB-EB-219-072194	011A			Equipment Blank #1	681
ST-219	KAFB-EB-219-072194	011A			Equipment Blank #1	682
ST-219	KAFB-EB-219-072194	011A			Equipment Blank #1	683
ST-219	KAFB-EB-219-072194	011A			Equipment Blank #1	684
ST-219	KAFB-EB-219-072194	011A			Equipment Blank #1	685
ST-219	KAFB-EB-219-072194	011A	940643-06		Equipment Blank #1	669
ST-219	KAFB-EB-219-072194	011A	940643-06		Equipment Blank #1	670
ST-219	KAFB-EB-219-072194	011A	940643-06		Equipment Blank #1	671
ST-219	KAFB-EB-219-072194	011A	940643-06		Equipment Blank #1	675
ST-219	KAFB-EB-219-072194	011A	940643-06		Equipment Blank #1	676
ST-219	KAFB-EB-219-072194	011A	940643-06		Equipment Blank #1	677
ST-219	KAFB-EB-219-072194	011A	940643-06		Equipment Blank #1	678
ST-219	KAFB-EB-RB07-07219	011A			Equipment Blank #2	674
ST-219	KAFB-TB-01-040494	011A	0349630001TB	940430D	Trip Blank #1	609
ST-219	KAFB-TB-01-040494	011A	0349630001TB	940430D	Trip Blank #1	619
ST-219	KAFB-TB-01-040494	011A	0349630001TB	940430D	Trip Blank #1	620
ST-219	KAFB-TB-01-041994	011A	0349280001TB	940430D	Trip Blank #1	578
ST-219	KAFB-TB-01-041994	011A	0349280001TB	940430D	Trip Blank #1	588
ST-219	KAFB-TB-01-041994	011A	0349280001TB	940430D	Trip Blank #1	589
ST-219	KAFB-TB-01-041994	011A	0349280001TB	940430D	Trip Blank #1	600
ST-219	KAFB-TB-01-061694	011A			Trip Blank #1	627
ST-219	KAFB-TB-01-061694	011A			Trip Blank #1	632
ST-219	KAFB-TB-01-061694	011A			Trip Blank #1	633
ST-219	KAFB-TB-01-061694	011A			Trip Blank #1	634
ST-219	KAFB-TB-01-061694	011A	0362490014TB	940630N	Trip Blank #1	632
ST-219	KAFB-TB-01-061694	011A	0362490014TB	940630N	Trip Blank #1	633
ST-219	KAFB-TB-01-061694	011A	0362490014TB	940630N	Trip Blank #1	634
ST-219	KAFB-TB-01-061794	011A	0363160001TB	940630N	Trip Blank #1	647
ST-219	KAFB-TB-01-072194	011A	P280662	28467	Trip Blank #1	675
ST-219	KAFB-TB-01-072194	011A	P280662	28467	Trip Blank #1	676
ST-219	KAFB-TB-01-072194	011A	P280662	28467	Trip Blank #1	677
ST-219	KAFB-TB-01-072194	011A	P280662	28467	Trip Blank #1	678
ST-219	KAFB-TB-02-072194	011A			Trip Blank #2	673
ST-219	KAFB-TB-02-072194	011A	940643-18		Trip Blank #2	675
ST-219	KAFB-TB-02-072194	011A	940643-18		Trip Blank #2	676
ST-219	KAFB-TB-02-072194	011A	940643-18		Trip Blank #2	677
ST-219	KAFB-TB-02-072194	011A	940643-18		Trip Blank #2	678

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ST-220	KAFB-220-01-0709	011A	0363040003SA	036304	Normal Environmental Sample #1	754
ST-220	KAFB-220-01-0709	011A	0363040003SA	9406191L	Normal Environmental Sample #1	755
ST-220	KAFB-220-01-0709	011A	0363040003SA	940622AX	Normal Environmental Sample #1	759
ST-220	KAFB-220-01-0709	011A	P276377	26771	Normal Environmental Sample #1	762
ST-220	KAFB-220-01-0709	011A	P276377	26813	Normal Environmental Sample #1	758
ST-220	KAFB-220-01-0709	011A	P276377	26818	Normal Environmental Sample #1	760
ST-220	KAFB-220-01-0709	011A	P276377	26818	Normal Environmental Sample #1	761
ST-220	KAFB-220-01-0709	011A	P276377	26854	Normal Environmental Sample #1	756
ST-220	KAFB-220-01-0709	011A	P276377	27040	Normal Environmental Sample #1	763
ST-220	KAFB-220-01-0709	011A	P276377	27111	Normal Environmental Sample #1	757
ST-220	KAFB-220-01-1416	011A	0363040004SA	036304	Normal Environmental Sample #1	754
ST-220	KAFB-220-01-1416	011A	0363040004SA	9406191L	Normal Environmental Sample #1	755
ST-220	KAFB-220-01-1416	011A	0363040004SA	940622AX	Normal Environmental Sample #1	759
ST-220	KAFB-220-01-1416	011A	P276378	26771	Normal Environmental Sample #1	762
ST-220	KAFB-220-01-1416	011A	P276378	26813	Normal Environmental Sample #1	758
ST-220	KAFB-220-01-1416	011A	P276378	26818	Normal Environmental Sample #1	760
ST-220	KAFB-220-01-1416	011A	P276378	26818	Normal Environmental Sample #1	761
ST-220	KAFB-220-01-1416	011A	P276378	26854	Normal Environmental Sample #1	756
ST-220	KAFB-220-01-1416	011A	P276378	27040	Normal Environmental Sample #1	763
ST-220	KAFB-220-01-1416	011A	P276378	27111	Normal Environmental Sample #1	757
ST-220	KAFB-220-02-0711	011A	0363040005SA	036304	Normal Environmental Sample #1	764
ST-220	KAFB-220-02-0711	011A	0363040005SA	9406191L	Normal Environmental Sample #1	765
ST-220	KAFB-220-02-0711	011A	0363040005SA	940622AX	Normal Environmental Sample #1	769
ST-220	KAFB-220-02-0711	011A	P276379	26771	Normal Environmental Sample #1	772
ST-220	KAFB-220-02-0711	011A	P276379	26813	Normal Environmental Sample #1	768
ST-220	KAFB-220-02-0711	011A	P276379	26818	Normal Environmental Sample #1	770
ST-220	KAFB-220-02-0711	011A	P276379	26818	Normal Environmental Sample #1	771
ST-220	KAFB-220-02-0711	011A	P276379	26854	Normal Environmental Sample #1	766
ST-220	KAFB-220-02-0711	011A	P276379	27040	Normal Environmental Sample #1	773
ST-220	KAFB-220-02-0711	011A	P276379	27111	Normal Environmental Sample #1	767
ST-220	KAFB-220-02-1416	011A	0363040006SA	036304	Normal Environmental Sample #1	764
ST-220	KAFB-220-02-1416	011A	0363040006SA	9406191L	Normal Environmental Sample #1	765
ST-220	KAFB-220-02-1416	011A	0363040006SA	940622AX	Normal Environmental Sample #1	769
ST-220	KAFB-220-02-1416	011A	P276380	26771	Normal Environmental Sample #1	772
ST-220	KAFB-220-02-1416	011A	P276380	26813	Normal Environmental Sample #1	768
ST-220	KAFB-220-02-1416	011A	P276380	26818	Normal Environmental Sample #1	770
ST-220	KAFB-220-02-1416	011A	P276380	26818	Normal Environmental Sample #1	771
ST-220	KAFB-220-02-1416	011A	P276380	26854	Normal Environmental Sample #1	766
ST-220	KAFB-220-02-1416	011A	P276380	27040	Normal Environmental Sample #1	773
ST-220	KAFB-220-02-1416	011A	P276380	27111	Normal Environmental Sample #1	767
ST-220	KAFB-220-03-0709	011A	0363040008SA	036304	Normal Environmental Sample #1	774
ST-220	KAFB-220-03-0709	011A	0363040008SA	9406191L	Normal Environmental Sample #1	775
ST-220	KAFB-220-03-0709	011A	0363040008SA	940622AX	Normal Environmental Sample #1	779
ST-220	KAFB-220-03-0709	011A	P276382	26771	Normal Environmental Sample #1	782
ST-220	KAFB-220-03-0709	011A	P276382	26813	Normal Environmental Sample #1	778
ST-220	KAFB-220-03-0709	011A	P276382	26818	Normal Environmental Sample #1	780
ST-220	KAFB-220-03-0709	011A	P276382	26818	Normal Environmental Sample #1	781
ST-220	KAFB-220-03-0709	011A	P276382	26854	Normal Environmental Sample #1	776
ST-220	KAFB-220-03-0709	011A	P276382	27040	Normal Environmental Sample #1	783
ST-220	KAFB-220-03-0709	011A	P276382	27111	Normal Environmental Sample #1	777
ST-220	KAFB-220-03-1416	011A	0363040009SA	036304	Normal Environmental Sample #1	774
ST-220	KAFB-220-03-1416	011A	0363040009SA	9406191L	Normal Environmental Sample #1	775

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ST-220	KAFB-220-03-1416	011A	0363040009SA	940622AX	Normal Environmental Sample #1	779
ST-220	KAFB-220-03-1416	011A	P276383	26771	Normal Environmental Sample #1	782
ST-220	KAFB-220-03-1416	011A	P276383	26813	Normal Environmental Sample #1	778
ST-220	KAFB-220-03-1416	011A	P276383	26818	Normal Environmental Sample #1	780
ST-220	KAFB-220-03-1416	011A	P276383	26818	Normal Environmental Sample #1	781
ST-220	KAFB-220-03-1416	011A	P276383	26854	Normal Environmental Sample #1	776
ST-220	KAFB-220-03-1416	011A	P276383	27040	Normal Environmental Sample #1	783
ST-220	KAFB-220-03-1416	011A	P276383	27111	Normal Environmental Sample #1	777
ST-220	KAFB-220-04-0709	011A	0363040010SA	036304	Normal Environmental Sample #1	784
ST-220	KAFB-220-04-0709	011A	0363040010SA	9406191L	Normal Environmental Sample #1	785
ST-220	KAFB-220-04-0709	011A	0363040010SA	940622AX	Normal Environmental Sample #1	789
ST-220	KAFB-220-04-0709	011A	P276384	26771	Normal Environmental Sample #1	792
ST-220	KAFB-220-04-0709	011A	P276384	26813	Normal Environmental Sample #1	788
ST-220	KAFB-220-04-0709	011A	P276384	26818	Normal Environmental Sample #1	790
ST-220	KAFB-220-04-0709	011A	P276384	26818	Normal Environmental Sample #1	791
ST-220	KAFB-220-04-0709	011A	P276384	26854	Normal Environmental Sample #1	786
ST-220	KAFB-220-04-0709	011A	P276384	27040	Normal Environmental Sample #1	793
ST-220	KAFB-220-04-0709	011A	P276384	27111	Normal Environmental Sample #1	787
ST-220	KAFB-220-04-1416	011A	0363040011MS	9406191L	Normal Environmental Sample #1	785
ST-220	KAFB-220-04-1416	011A	0363040011MS	940622AX	Normal Environmental Sample #1	789
ST-220	KAFB-220-04-1416	011A	0363040011SA	036304	Normal Environmental Sample #1	784
ST-220	KAFB-220-04-1416	011A	P276385	26771	Normal Environmental Sample #1	792
ST-220	KAFB-220-04-1416	011A	P276385	26813	Normal Environmental Sample #1	788
ST-220	KAFB-220-04-1416	011A	P276385	26818	Normal Environmental Sample #1	790
ST-220	KAFB-220-04-1416	011A	P276385	26818	Normal Environmental Sample #1	791
ST-220	KAFB-220-04-1416	011A	P276385	26854	Normal Environmental Sample #1	786
ST-220	KAFB-220-04-1416	011A	P276385	27040	Normal Environmental Sample #1	793
ST-220	KAFB-220-04-1416	011A	P276385	27111	Normal Environmental Sample #1	787
ST-220	KAFB-220-99-0711	011A	0363040005SA	036304	Field Replicate #1	764
ST-220	KAFB-220-99-0711	011A	0363040005SA	9406191L	Field Replicate #1	765
ST-220	KAFB-220-99-0711	011A	0363040005SA	940622AX	Field Replicate #1	769
ST-220	KAFB-220-99-0711	011A	P276379	26771	Field Replicate #1	772
ST-220	KAFB-220-99-0711	011A	P276379	26813	Field Replicate #1	768
ST-220	KAFB-220-99-0711	011A	P276379	26818	Field Replicate #1	770
ST-220	KAFB-220-99-0711	011A	P276379	26818	Field Replicate #1	771
ST-220	KAFB-220-99-0711	011A	P276379	26854	Field Replicate #1	766
ST-220	KAFB-220-99-0711	011A	P276379	27040	Field Replicate #1	773
ST-220	KAFB-220-99-0711	011A	P276379	27111	Field Replicate #1	767
ST-220	KAFB-EB-220-061394	011A	0363040002EB	9406174L	Equipment Blank #1	755
ST-220	KAFB-EB-220-061394	011A	0363040002EB	9406174L	Equipment Blank #1	759
ST-220	KAFB-EB-220-061394	011A	0363040002EB	9406174L	Equipment Blank #1	765
ST-220	KAFB-EB-220-061394	011A	0363040002EB	9406174L	Equipment Blank #1	769
ST-220	KAFB-EB-220-061394	011A	0363040002EB	9406174L	Equipment Blank #1	775
ST-220	KAFB-EB-220-061394	011A	0363040002EB	9406174L	Equipment Blank #1	779
ST-220	KAFB-EB-220-061394	011A	0363040002EB	9406174L	Equipment Blank #1	785
ST-220	KAFB-EB-220-061394	011A	0363040002EB	9406174L	Equipment Blank #1	789
ST-220	KAFB-EB-220-061394	011A	0363040002EB	940618AFX	Equipment Blank #1	759
ST-220	KAFB-EB-220-061394	011A	0363040002EB	940618AFX	Equipment Blank #1	769
ST-220	KAFB-EB-220-061394	011A	0363040002EB	940618AFX	Equipment Blank #1	779
ST-220	KAFB-EB-220-061394	011A	0363040002EB	940618AFX	Equipment Blank #1	789
ST-220	KAFB-EB-220-061394	011A	P276376	26783	Equipment Blank #1	757
ST-220	KAFB-EB-220-061394	011A	P276376	26783	Equipment Blank #1	767

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ST-220	KAFB-EB-220-061394	011A	P276376	26783	Equipment Blank #1	777
ST-220	KAFB-EB-220-061394	011A	P276376	26783	Equipment Blank #1	787
ST-220	KAFB-EB-220-061394	011A	P276376	26794	Equipment Blank #1	760
ST-220	KAFB-EB-220-061394	011A	P276376	26794	Equipment Blank #1	761
ST-220	KAFB-EB-220-061394	011A	P276376	26794	Equipment Blank #1	770
ST-220	KAFB-EB-220-061394	011A	P276376	26794	Equipment Blank #1	771
ST-220	KAFB-EB-220-061394	011A	P276376	26794	Equipment Blank #1	780
ST-220	KAFB-EB-220-061394	011A	P276376	26794	Equipment Blank #1	781
ST-220	KAFB-EB-220-061394	011A	P276376	26794	Equipment Blank #1	790
ST-220	KAFB-EB-220-061394	011A	P276376	26794	Equipment Blank #1	791
ST-220	KAFB-EB-220-061394	011A	P276376	26796	Equipment Blank #1	758
ST-220	KAFB-EB-220-061394	011A	P276376	26796	Equipment Blank #1	768
ST-220	KAFB-EB-220-061394	011A	P276376	26796	Equipment Blank #1	778
ST-220	KAFB-EB-220-061394	011A	P276376	26796	Equipment Blank #1	788
ST-220	KAFB-EB-220-061394	011A	P276376	26805	Equipment Blank #1	756
ST-220	KAFB-EB-220-061394	011A	P276376	26805	Equipment Blank #1	766
ST-220	KAFB-EB-220-061394	011A	P276376	26805	Equipment Blank #1	776
ST-220	KAFB-EB-220-061394	011A	P276376	26805	Equipment Blank #1	786
ST-220	KAFB-EB-220-061394	011A	P276376	27039	Equipment Blank #1	763
ST-220	KAFB-EB-220-061394	011A	P276376	27039	Equipment Blank #1	773
ST-220	KAFB-EB-220-061394	011A	P276376	27039	Equipment Blank #1	783
ST-220	KAFB-EB-220-061394	011A	P276376	27039	Equipment Blank #1	793
ST-220	KAFB-TB-01-061394	011A			Trip Blank #1	755
ST-220	KAFB-TB-01-061394	011A			Trip Blank #1	759
ST-220	KAFB-TB-01-061394	011A			Trip Blank #1	765
ST-220	KAFB-TB-01-061394	011A			Trip Blank #1	769
ST-220	KAFB-TB-01-061394	011A			Trip Blank #1	775
ST-220	KAFB-TB-01-061394	011A			Trip Blank #1	779
ST-220	KAFB-TB-01-061394	011A			Trip Blank #1	785
ST-220	KAFB-TB-01-061394	011A			Trip Blank #1	789
ST-220	KAFB-TB-01-061394	011A	0363040001TB	940618AFX	Trip Blank #1	759
ST-220	KAFB-TB-01-061394	011A	0363040001TB	940618AFX	Trip Blank #1	769
ST-220	KAFB-TB-01-061394	011A	0363040001TB	940618AFX	Trip Blank #1	779
ST-220	KAFB-TB-01-061394	011A	0363040001TB	940618AFX	Trip Blank #1	789
ST-221	KAFB-221-01-0810	011A	0362050003SA	036205	Normal Environmental Sample #1	794
ST-221	KAFB-221-01-0810	011A	0362050003SA	940618A	Normal Environmental Sample #1	795
ST-221	KAFB-221-01-0810	011A	0362050003SA	940627J	Normal Environmental Sample #1	799
ST-221	KAFB-221-01-0810	011A	P276484	26813	Normal Environmental Sample #1	798
ST-221	KAFB-221-01-0810	011A	P276484	26818	Normal Environmental Sample #1	800
ST-221	KAFB-221-01-0810	011A	P276484	26818	Normal Environmental Sample #1	801
ST-221	KAFB-221-01-0810	011A	P276484	26853	Normal Environmental Sample #1	802
ST-221	KAFB-221-01-0810	011A	P276484	26854	Normal Environmental Sample #1	796
ST-221	KAFB-221-01-0810	011A	P276484	27048	Normal Environmental Sample #1	803
ST-221	KAFB-221-01-0810	011A	P276484	27145	Normal Environmental Sample #1	797
ST-221	KAFB-221-01-1315	011A	0362050004SA	036205	Normal Environmental Sample #1	794
ST-221	KAFB-221-01-1315	011A	0362050004SA	940618A	Normal Environmental Sample #1	795
ST-221	KAFB-221-01-1315	011A	0362050004SA	940627J	Normal Environmental Sample #1	799
ST-221	KAFB-221-01-1315	011A	P276485	26813	Normal Environmental Sample #1	798
ST-221	KAFB-221-01-1315	011A	P276485	26818	Normal Environmental Sample #1	800
ST-221	KAFB-221-01-1315	011A	P276485	26818	Normal Environmental Sample #1	801
ST-221	KAFB-221-01-1315	011A	P276485	26853	Normal Environmental Sample #1	802
ST-221	KAFB-221-01-1315	011A	P276485	26854	Normal Environmental Sample #1	796

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ST-221	KAFB-221-01-1315	011A	P276485	27048	Normal Environmental Sample #1	803
ST-221	KAFB-221-01-1315	011A	P276485	27145	Normal Environmental Sample #1	797
ST-221	KAFB-221-02-0810	011A	0362050005SA	036205	Normal Environmental Sample #1	804
ST-221	KAFB-221-02-0810	011A	0362050005SA	940618A	Normal Environmental Sample #1	805
ST-221	KAFB-221-02-0810	011A	0362050005SA	940627J	Normal Environmental Sample #1	809
ST-221	KAFB-221-02-0810	011A	P276486	26813	Normal Environmental Sample #1	808
ST-221	KAFB-221-02-0810	011A	P276486	26818	Normal Environmental Sample #1	810
ST-221	KAFB-221-02-0810	011A	P276486	26818	Normal Environmental Sample #1	811
ST-221	KAFB-221-02-0810	011A	P276486	26853	Normal Environmental Sample #1	812
ST-221	KAFB-221-02-0810	011A	P276486	26854	Normal Environmental Sample #1	806
ST-221	KAFB-221-02-0810	011A	P276486	27048	Normal Environmental Sample #1	813
ST-221	KAFB-221-02-0810	011A	P276486	27145	Normal Environmental Sample #1	807
ST-221	KAFB-221-02-1315	011A	0362050006SA	036205	Normal Environmental Sample #1	804
ST-221	KAFB-221-02-1315	011A	0362050006SA	940618A	Normal Environmental Sample #1	805
ST-221	KAFB-221-02-1315	011A	0362050006SA	940627J	Normal Environmental Sample #1	809
ST-221	KAFB-221-02-1315	011A	P276487	26813	Normal Environmental Sample #1	808
ST-221	KAFB-221-02-1315	011A	P276487	26818	Normal Environmental Sample #1	810
ST-221	KAFB-221-02-1315	011A	P276487	26818	Normal Environmental Sample #1	811
ST-221	KAFB-221-02-1315	011A	P276487	26853	Normal Environmental Sample #1	812
ST-221	KAFB-221-02-1315	011A	P276487	26854	Normal Environmental Sample #1	806
ST-221	KAFB-221-02-1315	011A	P276487	27048	Normal Environmental Sample #1	813
ST-221	KAFB-221-02-1315	011A	P276487	27145	Normal Environmental Sample #1	807
ST-221	KAFB-221-03-0812	011A	0362050007SA	036205	Normal Environmental Sample #1	814
ST-221	KAFB-221-03-0812	011A	0362050007SA	940618B	Normal Environmental Sample #1	815
ST-221	KAFB-221-03-0812	011A	0362050007SA	940627J	Normal Environmental Sample #1	819
ST-221	KAFB-221-03-0812	011A	P276488	26813	Normal Environmental Sample #1	818
ST-221	KAFB-221-03-0812	011A	P276488	26818	Normal Environmental Sample #1	820
ST-221	KAFB-221-03-0812	011A	P276488	26818	Normal Environmental Sample #1	821
ST-221	KAFB-221-03-0812	011A	P276488	26853	Normal Environmental Sample #1	822
ST-221	KAFB-221-03-0812	011A	P276488	26854	Normal Environmental Sample #1	816
ST-221	KAFB-221-03-0812	011A	P276488	27048	Normal Environmental Sample #1	823
ST-221	KAFB-221-03-0812	011A	P276488	27145	Normal Environmental Sample #1	817
ST-221	KAFB-221-03-1317	011A	0362050009MS	940618B	Normal Environmental Sample #1	815
ST-221	KAFB-221-03-1317	011A	0362050009MS	940627J	Normal Environmental Sample #1	819
ST-221	KAFB-221-03-1317	011A	0362050009SA	036205	Normal Environmental Sample #1	814
ST-221	KAFB-221-03-1317	011A	P276490	26813	Normal Environmental Sample #1	818
ST-221	KAFB-221-03-1317	011A	P276490	26818	Normal Environmental Sample #1	820
ST-221	KAFB-221-03-1317	011A	P276490	26818	Normal Environmental Sample #1	821
ST-221	KAFB-221-03-1317	011A	P276490	26853	Normal Environmental Sample #1	822
ST-221	KAFB-221-03-1317	011A	P276490	26854	Normal Environmental Sample #1	816
ST-221	KAFB-221-03-1317	011A	P276490	27048	Normal Environmental Sample #1	823
ST-221	KAFB-221-03-1317	011A	P276490	27145	Normal Environmental Sample #1	817
ST-221	KAFB-221-04-0810	011A	0362050010SA	036205	Normal Environmental Sample #1	824
ST-221	KAFB-221-04-0810	011A	0362050010SA	940618B	Normal Environmental Sample #1	825
ST-221	KAFB-221-04-0810	011A	0362050010SA	940627J	Normal Environmental Sample #1	829
ST-221	KAFB-221-04-0810	011A	P276491	26813	Normal Environmental Sample #1	828
ST-221	KAFB-221-04-0810	011A	P276491	26818	Normal Environmental Sample #1	830
ST-221	KAFB-221-04-0810	011A	P276491	26818	Normal Environmental Sample #1	831
ST-221	KAFB-221-04-0810	011A	P276491	26853	Normal Environmental Sample #1	832
ST-221	KAFB-221-04-0810	011A	P276491	26854	Normal Environmental Sample #1	826
ST-221	KAFB-221-04-0810	011A	P276491	27048	Normal Environmental Sample #1	833
ST-221	KAFB-221-04-0810	011A	P276491	27145	Normal Environmental Sample #1	827

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ST-221	KAFB-221-04-1315	011A	0362050011SA	036205	Normal Environmental Sample #1	824
ST-221	KAFB-221-04-1315	011A	0362050011SA	940618B	Normal Environmental Sample #1	825
ST-221	KAFB-221-04-1315	011A	0362050011SA	940627J	Normal Environmental Sample #1	829
ST-221	KAFB-221-04-1315	011A	P276492	26813	Normal Environmental Sample #1	828
ST-221	KAFB-221-04-1315	011A	P276492	26818	Normal Environmental Sample #1	830
ST-221	KAFB-221-04-1315	011A	P276492	26818	Normal Environmental Sample #1	831
ST-221	KAFB-221-04-1315	011A	P276492	26853	Normal Environmental Sample #1	832
ST-221	KAFB-221-04-1315	011A	P276492	26854	Normal Environmental Sample #1	826
ST-221	KAFB-221-04-1315	011A	P276492	27048	Normal Environmental Sample #1	833
ST-221	KAFB-221-04-1315	011A	P276492	27145	Normal Environmental Sample #1	827
ST-221	KAFB-221-05-0810	011A	0362050012SA	036205	Normal Environmental Sample #1	834
ST-221	KAFB-221-05-0810	011A	0362050012SA	940618B	Normal Environmental Sample #1	835
ST-221	KAFB-221-05-0810	011A	0362050012SA	940628J	Normal Environmental Sample #1	839
ST-221	KAFB-221-05-0810	011A	P276493	26813	Normal Environmental Sample #1	838
ST-221	KAFB-221-05-0810	011A	P276493	26818	Normal Environmental Sample #1	840
ST-221	KAFB-221-05-0810	011A	P276493	26818	Normal Environmental Sample #1	841
ST-221	KAFB-221-05-0810	011A	P276493	26853	Normal Environmental Sample #1	842
ST-221	KAFB-221-05-0810	011A	P276493	26854	Normal Environmental Sample #1	836
ST-221	KAFB-221-05-0810	011A	P276493	27048	Normal Environmental Sample #1	843
ST-221	KAFB-221-05-0810	011A	P276493	27145	Normal Environmental Sample #1	837
ST-221	KAFB-221-05-1315	011A	0362050013SA	036205	Normal Environmental Sample #1	834
ST-221	KAFB-221-05-1315	011A	0362050013SA	940618B	Normal Environmental Sample #1	835
ST-221	KAFB-221-05-1315	011A	0362050013SA	940628J	Normal Environmental Sample #1	839
ST-221	KAFB-221-05-1315	011A	P276494	26813	Normal Environmental Sample #1	838
ST-221	KAFB-221-05-1315	011A	P276494	26818	Normal Environmental Sample #1	840
ST-221	KAFB-221-05-1315	011A	P276494	26818	Normal Environmental Sample #1	841
ST-221	KAFB-221-05-1315	011A	P276494	26853	Normal Environmental Sample #1	842
ST-221	KAFB-221-05-1315	011A	P276494	26854	Normal Environmental Sample #1	836
ST-221	KAFB-221-05-1315	011A	P276494	27048	Normal Environmental Sample #1	843
ST-221	KAFB-221-05-1315	011A	P276494	27145	Normal Environmental Sample #1	837
ST-221	KAFB-221-06-0810	011A	0362050014SA	036205	Normal Environmental Sample #1	844
ST-221	KAFB-221-06-0810	011A	0362050014SA	940618B	Normal Environmental Sample #1	845
ST-221	KAFB-221-06-0810	011A	0362050014SA	940628J	Normal Environmental Sample #1	849
ST-221	KAFB-221-06-0810	011A	P276495	26853	Normal Environmental Sample #1	852
ST-221	KAFB-221-06-0810	011A	P276495	26888	Normal Environmental Sample #1	848
ST-221	KAFB-221-06-0810	011A	P276495	26890	Normal Environmental Sample #1	850
ST-221	KAFB-221-06-0810	011A	P276495	26890	Normal Environmental Sample #1	851
ST-221	KAFB-221-06-0810	011A	P276495	27048	Normal Environmental Sample #1	853
ST-221	KAFB-221-06-0810	011A	P276495	27102	Normal Environmental Sample #1	846
ST-221	KAFB-221-06-0810	011A	P276495	27145	Normal Environmental Sample #1	847
ST-221	KAFB-221-06-1315	011A	0362050015SA	036205	Normal Environmental Sample #1	844
ST-221	KAFB-221-06-1315	011A	0362050015SA	940618B	Normal Environmental Sample #1	845
ST-221	KAFB-221-06-1315	011A	0362050015SA	940628J	Normal Environmental Sample #1	849
ST-221	KAFB-221-06-1315	011A	P276496	26853	Normal Environmental Sample #1	852
ST-221	KAFB-221-06-1315	011A	P276496	26888	Normal Environmental Sample #1	848
ST-221	KAFB-221-06-1315	011A	P276496	26890	Normal Environmental Sample #1	850
ST-221	KAFB-221-06-1315	011A	P276496	26890	Normal Environmental Sample #1	851
ST-221	KAFB-221-06-1315	011A	P276496	27048	Normal Environmental Sample #1	853
ST-221	KAFB-221-06-1315	011A	P276496	27102	Normal Environmental Sample #1	846
ST-221	KAFB-221-06-1315	011A	P276496	27145	Normal Environmental Sample #1	847
ST-221	KAFB-221-07-0810	011A	0362050016SA	036205	Normal Environmental Sample #1	854
ST-221	KAFB-221-07-0810	011A	0362050016SA	940618B	Normal Environmental Sample #1	855

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ST-221	KAFB-221-07-0810	011A	0362050016SA	940624J	Normal Environmental Sample #1	860
ST-221	KAFB-221-07-0810	011A	P276497	26853	Normal Environmental Sample #1	866
ST-221	KAFB-221-07-0810	011A	P276497	26888	Normal Environmental Sample #1	859
ST-221	KAFB-221-07-0810	011A	P276497	26890	Normal Environmental Sample #1	862
ST-221	KAFB-221-07-0810	011A	P276497	26890	Normal Environmental Sample #1	863
ST-221	KAFB-221-07-0810	011A	P276497	27048	Normal Environmental Sample #1	867
ST-221	KAFB-221-07-0810	011A	P276497	27102	Normal Environmental Sample #1	856
ST-221	KAFB-221-07-0810	011A	P276497	27145	Normal Environmental Sample #1	858
ST-221	KAFB-221-07-1315	011A	0362050017SA	036205	Normal Environmental Sample #1	854
ST-221	KAFB-221-07-1315	011A	0362050017SA	940621B	Normal Environmental Sample #1	855
ST-221	KAFB-221-07-1315	011A	0362050017SA	940624J	Normal Environmental Sample #1	860
ST-221	KAFB-221-07-1315	011A	P276498	26853	Normal Environmental Sample #1	866
ST-221	KAFB-221-07-1315	011A	P276498	26888	Normal Environmental Sample #1	859
ST-221	KAFB-221-07-1315	011A	P276498	26890	Normal Environmental Sample #1	862
ST-221	KAFB-221-07-1315	011A	P276498	26890	Normal Environmental Sample #1	863
ST-221	KAFB-221-07-1315	011A	P276498	27048	Normal Environmental Sample #1	867
ST-221	KAFB-221-07-1315	011A	P276498	27102	Normal Environmental Sample #1	856
ST-221	KAFB-221-07-1315	011A	P276498	27156	Normal Environmental Sample #1	858
ST-221	KAFB-221-07-2327	011A	0362050018SA	036205	Normal Environmental Sample #1	854
ST-221	KAFB-221-07-2327	011A	0362050018SA	940620B	Normal Environmental Sample #1	855
ST-221	KAFB-221-07-2327	011A	0362050018SA	940628J	Normal Environmental Sample #1	860
ST-221	KAFB-221-07-2327	011A	P276499	26853	Normal Environmental Sample #1	866
ST-221	KAFB-221-07-2327	011A	P276499	26888	Normal Environmental Sample #1	859
ST-221	KAFB-221-07-2327	011A	P276499	26890	Normal Environmental Sample #1	862
ST-221	KAFB-221-07-2327	011A	P276499	26890	Normal Environmental Sample #1	863
ST-221	KAFB-221-07-2327	011A	P276499	27048	Normal Environmental Sample #1	867
ST-221	KAFB-221-07-2327	011A	P276499	27102	Normal Environmental Sample #1	856
ST-221	KAFB-221-07-2327	011A	P276499	27156	Normal Environmental Sample #1	858
ST-221	KAFB-221-07-3335	011A	0362050020SA	036205	Normal Environmental Sample #1	854
ST-221	KAFB-221-07-3335	011A	0362050020SA	940620B	Normal Environmental Sample #1	855
ST-221	KAFB-221-07-3335	011A	0362050020SA	940630J	Normal Environmental Sample #1	860
ST-221	KAFB-221-07-3335	011A	0362050020SA	940630J	Normal Environmental Sample #1	861
ST-221	KAFB-221-07-3335	011A	P276501	26853	Normal Environmental Sample #1	866
ST-221	KAFB-221-07-3335	011A	P276501	26888	Normal Environmental Sample #1	859
ST-221	KAFB-221-07-3335	011A	P276501	26890	Normal Environmental Sample #1	863
ST-221	KAFB-221-07-3335	011A	P276501	26890	Normal Environmental Sample #1	864
ST-221	KAFB-221-07-3335	011A	P276501	26890	Normal Environmental Sample #1	865
ST-221	KAFB-221-07-3335	011A	P276501	27048	Normal Environmental Sample #1	867
ST-221	KAFB-221-07-3335	011A	P276501	27102	Normal Environmental Sample #1	856
ST-221	KAFB-221-07-3335	011A	P276501	27102	Normal Environmental Sample #1	857
ST-221	KAFB-221-07-3335	011A	P276501	27156	Normal Environmental Sample #1	858
ST-221	KAFB-221-08-0810	011A	0362490003MS	940628N	Normal Environmental Sample #1	873
ST-221	KAFB-221-08-0810	011A	0362490003SA	036249	Normal Environmental Sample #1	868
ST-221	KAFB-221-08-0810	011A	0362490003SA	940620B	Normal Environmental Sample #1	869
ST-221	KAFB-221-08-0810	011A	P276553	26853	Normal Environmental Sample #1	876
ST-221	KAFB-221-08-0810	011A	P276553	26890	Normal Environmental Sample #1	874
ST-221	KAFB-221-08-0810	011A	P276553	26890	Normal Environmental Sample #1	875
ST-221	KAFB-221-08-0810	011A	P276553	26968	Normal Environmental Sample #1	872
ST-221	KAFB-221-08-0810	011A	P276553	27102	Normal Environmental Sample #1	870
ST-221	KAFB-221-08-0810	011A	P276553	27156	Normal Environmental Sample #1	871
ST-221	KAFB-221-08-0810	011A	P276553	27501	Normal Environmental Sample #1	877
ST-221	KAFB-221-08-1315	011A	0362490004SA	036249	Normal Environmental Sample #1	868

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Site	Field ID	Fld Lot	Lab ID	Lab Lot	Sample Description	Page
ST-221	KAFB-221-08-1315	011A	0362490004SA	940620B	Normal Environmental Sample #1	869
ST-221	KAFB-221-08-1315	011A	0362490004SA	940628N	Normal Environmental Sample #1	873
ST-221	KAFB-221-08-1315	011A	P276554	26853	Normal Environmental Sample #1	876
ST-221	KAFB-221-08-1315	011A	P276554	26890	Normal Environmental Sample #1	874
ST-221	KAFB-221-08-1315	011A	P276554	26890	Normal Environmental Sample #1	875
ST-221	KAFB-221-08-1315	011A	P276554	26968	Normal Environmental Sample #1	872
ST-221	KAFB-221-08-1315	011A	P276554	27102	Normal Environmental Sample #1	870
ST-221	KAFB-221-08-1315	011A	P276554	27156	Normal Environmental Sample #1	871
ST-221	KAFB-221-08-1315	011A	P276554	27501	Normal Environmental Sample #1	877
ST-221	KAFB-221-09-0810	011A	0362490005SA	036249	Normal Environmental Sample #1	878
ST-221	KAFB-221-09-0810	011A	0362490005SA	940620B	Normal Environmental Sample #1	879
ST-221	KAFB-221-09-0810	011A	0362490005SA	940628N	Normal Environmental Sample #1	883
ST-221	KAFB-221-09-0810	011A	P276555	26890	Normal Environmental Sample #1	884
ST-221	KAFB-221-09-0810	011A	P276555	26890	Normal Environmental Sample #1	885
ST-221	KAFB-221-09-0810	011A	P276555	26968	Normal Environmental Sample #1	882
ST-221	KAFB-221-09-0810	011A	P276555	26984	Normal Environmental Sample #1	886
ST-221	KAFB-221-09-0810	011A	P276555	27102	Normal Environmental Sample #1	880
ST-221	KAFB-221-09-0810	011A	P276555	27156	Normal Environmental Sample #1	881
ST-221	KAFB-221-09-0810	011A	P276555	27501	Normal Environmental Sample #1	887
ST-221	KAFB-221-09-1315	011A	0362490006SA	036249	Normal Environmental Sample #1	878
ST-221	KAFB-221-09-1315	011A	0362490006SA	940620B	Normal Environmental Sample #1	879
ST-221	KAFB-221-09-1315	011A	0362490006SA	940628N	Normal Environmental Sample #1	883
ST-221	KAFB-221-09-1315	011A	P276556	26890	Normal Environmental Sample #1	884
ST-221	KAFB-221-09-1315	011A	P276556	26890	Normal Environmental Sample #1	885
ST-221	KAFB-221-09-1315	011A	P276556	26968	Normal Environmental Sample #1	882
ST-221	KAFB-221-09-1315	011A	P276556	26984	Normal Environmental Sample #1	886
ST-221	KAFB-221-09-1315	011A	P276556	27102	Normal Environmental Sample #1	880
ST-221	KAFB-221-09-1315	011A	P276556	27156	Normal Environmental Sample #1	881
ST-221	KAFB-221-09-1315	011A	P276556	27501	Normal Environmental Sample #1	887
ST-221	KAFB-221-99-0812	011A	0362050007SA	036205	Field Replicate #1	814
ST-221	KAFB-221-99-0812	011A	0362050007SA	940618B	Field Replicate #1	815
ST-221	KAFB-221-99-0812	011A	0362050007SA	940627J	Field Replicate #1	819
ST-221	KAFB-221-99-0812	011A	P276488	26813	Field Replicate #1	818
ST-221	KAFB-221-99-0812	011A	P276488	26818	Field Replicate #1	820
ST-221	KAFB-221-99-0812	011A	P276488	26818	Field Replicate #1	821
ST-221	KAFB-221-99-0812	011A	P276488	26853	Field Replicate #1	822
ST-221	KAFB-221-99-0812	011A	P276488	26854	Field Replicate #1	816
ST-221	KAFB-221-99-0812	011A	P276488	27048	Field Replicate #1	823
ST-221	KAFB-221-99-0812	011A	P276488	27145	Field Replicate #1	817
ST-221	KAFB-221-99-2327	011A	0362050018SA	036205	Field Replicate #1	854
ST-221	KAFB-221-99-2327	011A	0362050018SA	940620B	Field Replicate #1	855
ST-221	KAFB-221-99-2327	011A	0362050018SA	940628J	Field Replicate #1	860
ST-221	KAFB-221-99-2327	011A	0362050018SA	940628J	Field Replicate #1	861
ST-221	KAFB-221-99-2327	011A	P276499	26853	Field Replicate #1	866
ST-221	KAFB-221-99-2327	011A	P276499	26888	Field Replicate #1	859
ST-221	KAFB-221-99-2327	011A	P276499	26890	Field Replicate #1	863
ST-221	KAFB-221-99-2327	011A	P276499	26890	Field Replicate #1	864
ST-221	KAFB-221-99-2327	011A	P276499	26890	Field Replicate #1	865
ST-221	KAFB-221-99-2327	011A	P276499	27048	Field Replicate #1	867
ST-221	KAFB-221-99-2327	011A	P276499	27102	Field Replicate #1	856
ST-221	KAFB-221-99-2327	011A	P276499	27102	Field Replicate #1	857
ST-221	KAFB-221-99-2327	011A	P276499	27156	Field Replicate #1	858

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Site	Field ID	Fld Lot	Lab ID	Lab Lot	Sample Description	Page
ST-221	KAFB-EB-221-061494	011A	0362050002EB	9406236K	Equipment Blank #1	795
ST-221	KAFB-EB-221-061494	011A	0362050002EB	9406236K	Equipment Blank #1	799
ST-221	KAFB-EB-221-061494	011A	0362050002EB	9406236K	Equipment Blank #1	805
ST-221	KAFB-EB-221-061494	011A	0362050002EB	9406236K	Equipment Blank #1	809
ST-221	KAFB-EB-221-061494	011A	0362050002EB	9406236K	Equipment Blank #1	815
ST-221	KAFB-EB-221-061494	011A	0362050002EB	9406236K	Equipment Blank #1	819
ST-221	KAFB-EB-221-061494	011A	0362050002EB	9406236K	Equipment Blank #1	825
ST-221	KAFB-EB-221-061494	011A	0362050002EB	9406236K	Equipment Blank #1	829
ST-221	KAFB-EB-221-061494	011A	0362050002EB	9406236K	Equipment Blank #1	835
ST-221	KAFB-EB-221-061494	011A	0362050002EB	9406236K	Equipment Blank #1	839
ST-221	KAFB-EB-221-061494	011A	0362050002EB	9406236K	Equipment Blank #1	845
ST-221	KAFB-EB-221-061494	011A	0362050002EB	9406236K	Equipment Blank #1	849
ST-221	KAFB-EB-221-061494	011A	0362050002EB	9406236K	Equipment Blank #1	855
ST-221	KAFB-EB-221-061494	011A	0362050002EB	9406236K	Equipment Blank #1	860
ST-221	KAFB-EB-221-061494	011A	0362050002EB	9406236K	Equipment Blank #1	861
ST-221	KAFB-EB-221-061494	011A	0362050002EB	940627J	Equipment Blank #1	799
ST-221	KAFB-EB-221-061494	011A	0362050002EB	940627J	Equipment Blank #1	809
ST-221	KAFB-EB-221-061494	011A	0362050002EB	940627J	Equipment Blank #1	819
ST-221	KAFB-EB-221-061494	011A	0362050002EB	940627J	Equipment Blank #1	829
ST-221	KAFB-EB-221-061494	011A	0362050002EB	940627J	Equipment Blank #1	839
ST-221	KAFB-EB-221-061494	011A	0362050002EB	940627J	Equipment Blank #1	849
ST-221	KAFB-EB-221-061494	011A	0362050002EB	940627J	Equipment Blank #1	860
ST-221	KAFB-EB-221-061494	011A	0362050002EB	940627J	Equipment Blank #1	861
ST-221	KAFB-EB-221-061494	011A	P276483	26794	Equipment Blank #1	800
ST-221	KAFB-EB-221-061494	011A	P276483	26794	Equipment Blank #1	801
ST-221	KAFB-EB-221-061494	011A	P276483	26794	Equipment Blank #1	810
ST-221	KAFB-EB-221-061494	011A	P276483	26794	Equipment Blank #1	811
ST-221	KAFB-EB-221-061494	011A	P276483	26794	Equipment Blank #1	820
ST-221	KAFB-EB-221-061494	011A	P276483	26794	Equipment Blank #1	821
ST-221	KAFB-EB-221-061494	011A	P276483	26794	Equipment Blank #1	830
ST-221	KAFB-EB-221-061494	011A	P276483	26794	Equipment Blank #1	831
ST-221	KAFB-EB-221-061494	011A	P276483	26794	Equipment Blank #1	840
ST-221	KAFB-EB-221-061494	011A	P276483	26794	Equipment Blank #1	841
ST-221	KAFB-EB-221-061494	011A	P276483	26794	Equipment Blank #1	850
ST-221	KAFB-EB-221-061494	011A	P276483	26794	Equipment Blank #1	851
ST-221	KAFB-EB-221-061494	011A	P276483	26794	Equipment Blank #1	862
ST-221	KAFB-EB-221-061494	011A	P276483	26794	Equipment Blank #1	863
ST-221	KAFB-EB-221-061494	011A	P276483	26794	Equipment Blank #1	864
ST-221	KAFB-EB-221-061494	011A	P276483	26794	Equipment Blank #1	865
ST-221	KAFB-EB-221-061494	011A	P276483	26796	Equipment Blank #1	798
ST-221	KAFB-EB-221-061494	011A	P276483	26796	Equipment Blank #1	808
ST-221	KAFB-EB-221-061494	011A	P276483	26796	Equipment Blank #1	818
ST-221	KAFB-EB-221-061494	011A	P276483	26796	Equipment Blank #1	828
ST-221	KAFB-EB-221-061494	011A	P276483	26796	Equipment Blank #1	838
ST-221	KAFB-EB-221-061494	011A	P276483	26796	Equipment Blank #1	848
ST-221	KAFB-EB-221-061494	011A	P276483	26796	Equipment Blank #1	859
ST-221	KAFB-EB-221-061494	011A	P276483	26805	Equipment Blank #1	796
ST-221	KAFB-EB-221-061494	011A	P276483	26805	Equipment Blank #1	806
ST-221	KAFB-EB-221-061494	011A	P276483	26805	Equipment Blank #1	816
ST-221	KAFB-EB-221-061494	011A	P276483	26805	Equipment Blank #1	826
ST-221	KAFB-EB-221-061494	011A	P276483	26805	Equipment Blank #1	836
ST-221	KAFB-EB-221-061494	011A	P276483	26805	Equipment Blank #1	846

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Site	Field ID	Fld Lot	Lab ID	Lab Lot	Sample Description	Page
ST-221	KAFB-EB-221-061494	011A	P276483	26805	Equipment Blank #1	856
ST-221	KAFB-EB-221-061494	011A	P276483	26805	Equipment Blank #1	857
ST-221	KAFB-EB-221-061494	011A	P276483	26880	Equipment Blank #1	797
ST-221	KAFB-EB-221-061494	011A	P276483	26880	Equipment Blank #1	807
ST-221	KAFB-EB-221-061494	011A	P276483	26880	Equipment Blank #1	817
ST-221	KAFB-EB-221-061494	011A	P276483	26880	Equipment Blank #1	827
ST-221	KAFB-EB-221-061494	011A	P276483	26880	Equipment Blank #1	837
ST-221	KAFB-EB-221-061494	011A	P276483	26880	Equipment Blank #1	847
ST-221	KAFB-EB-221-061494	011A	P276483	26880	Equipment Blank #1	858
ST-221	KAFB-EB-221-061494	011A	P276483	27046	Equipment Blank #1	803
ST-221	KAFB-EB-221-061494	011A	P276483	27046	Equipment Blank #1	813
ST-221	KAFB-EB-221-061494	011A	P276483	27046	Equipment Blank #1	823
ST-221	KAFB-EB-221-061494	011A	P276483	27046	Equipment Blank #1	833
ST-221	KAFB-EB-221-061494	011A	P276483	27046	Equipment Blank #1	843
ST-221	KAFB-EB-221-061494	011A	P276483	27046	Equipment Blank #1	853
ST-221	KAFB-EB-221-061494	011A	P276483	27046	Equipment Blank #1	867
ST-221	KAFB-EB-221-061594	011A	0362490002EB	9406236K	Equipment Blank #1	869
ST-221	KAFB-EB-221-061594	011A	0362490002EB	9406236K	Equipment Blank #1	873
ST-221	KAFB-EB-221-061594	011A	0362490002EB	9406236K	Equipment Blank #1	879
ST-221	KAFB-EB-221-061594	011A	0362490002EB	9406236K	Equipment Blank #1	883
ST-221	KAFB-EB-221-061594	011A	0362490002EB	940628N	Equipment Blank #1	873
ST-221	KAFB-EB-221-061594	011A	0362490002EB	940628N	Equipment Blank #1	883
ST-221	KAFB-EB-221-061594	011A	P276552	26794	Equipment Blank #1	874
ST-221	KAFB-EB-221-061594	011A	P276552	26794	Equipment Blank #1	875
ST-221	KAFB-EB-221-061594	011A	P276552	26794	Equipment Blank #1	884
ST-221	KAFB-EB-221-061594	011A	P276552	26794	Equipment Blank #1	885
ST-221	KAFB-EB-221-061594	011A	P276552	26796	Equipment Blank #1	872
ST-221	KAFB-EB-221-061594	011A	P276552	26796	Equipment Blank #1	882
ST-221	KAFB-EB-221-061594	011A	P276552	26805	Equipment Blank #1	870
ST-221	KAFB-EB-221-061594	011A	P276552	26805	Equipment Blank #1	880
ST-221	KAFB-EB-221-061594	011A	P276552	26880	Equipment Blank #1	871
ST-221	KAFB-EB-221-061594	011A	P276552	26880	Equipment Blank #1	881
ST-221	KAFB-EB-221-061594	011A	P276552	27506	Equipment Blank #1	877
ST-221	KAFB-EB-221-061594	011A	P276552	27506	Equipment Blank #1	887
ST-221	KAFB-TB-01-061494	011A			Trip Blank #1	795
ST-221	KAFB-TB-01-061494	011A			Trip Blank #1	799
ST-221	KAFB-TB-01-061494	011A			Trip Blank #1	805
ST-221	KAFB-TB-01-061494	011A			Trip Blank #1	809
ST-221	KAFB-TB-01-061494	011A			Trip Blank #1	815
ST-221	KAFB-TB-01-061494	011A			Trip Blank #1	819
ST-221	KAFB-TB-01-061494	011A			Trip Blank #1	825
ST-221	KAFB-TB-01-061494	011A			Trip Blank #1	829
ST-221	KAFB-TB-01-061494	011A			Trip Blank #1	835
ST-221	KAFB-TB-01-061494	011A			Trip Blank #1	839
ST-221	KAFB-TB-01-061494	011A			Trip Blank #1	845
ST-221	KAFB-TB-01-061494	011A			Trip Blank #1	849
ST-221	KAFB-TB-01-061494	011A			Trip Blank #1	855
ST-221	KAFB-TB-01-061494	011A			Trip Blank #1	860
ST-221	KAFB-TB-01-061494	011A			Trip Blank #1	861
ST-221	KAFB-TB-01-061494	011A	0362050001TB	940627J	Trip Blank #1	799
ST-221	KAFB-TB-01-061494	011A	0362050001TB	940627J	Trip Blank #1	809
ST-221	KAFB-TB-01-061494	011A	0362050001TB	940627J	Trip Blank #1	819

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Site	Field ID	Fld Lot	Lab ID	Lab Lot	Sample Description	Page
ST-221	KAFB-TB-01-061494	011A	0362050001TB	940627J	Trip Blank #1	829
ST-221	KAFB-TB-01-061494	011A	0362050001TB	940627J	Trip Blank #1	839
ST-221	KAFB-TB-01-061494	011A	0362050001TB	940627J	Trip Blank #1	849
ST-221	KAFB-TB-01-061494	011A	0362050001TB	940627J	Trip Blank #1	860
ST-221	KAFB-TB-01-061494	011A	0362050001TB	940627J	Trip Blank #1	861
ST-221	KAFB-TB-01-061594	011A			Trip Blank #1	869
ST-221	KAFB-TB-01-061594	011A			Trip Blank #1	873
ST-221	KAFB-TB-01-061594	011A			Trip Blank #1	879
ST-221	KAFB-TB-01-061594	011A			Trip Blank #1	883
ST-221	KAFB-TB-01-061594	011A	0362490001TB	940628N	Trip Blank #1	873
ST-221	KAFB-TB-01-061594	011A	0362490001TB	940628N	Trip Blank #1	883
ST-222	KAFB-222-01-0812	011A	0356380003MS	9406016K	Normal Environmental Sample #1	889
ST-222	KAFB-222-01-0812	011A	0356380003MS	940603J	Normal Environmental Sample #1	893
ST-222	KAFB-222-01-0812	011A	0356380003SA	035638	Normal Environmental Sample #1	888
ST-222	KAFB-222-01-0812	011A	P274203	26282	Normal Environmental Sample #1	894
ST-222	KAFB-222-01-0812	011A	P274203	26282	Normal Environmental Sample #1	895
ST-222	KAFB-222-01-0812	011A	P274203	26283	Normal Environmental Sample #1	892
ST-222	KAFB-222-01-0812	011A	P274203	26317	Normal Environmental Sample #1	896
ST-222	KAFB-222-01-0812	011A	P274203	26405	Normal Environmental Sample #1	890
ST-222	KAFB-222-01-0812	011A	P274203	26541	Normal Environmental Sample #1	891
ST-222	KAFB-222-01-1315	011A	0356380004SA	035638	Normal Environmental Sample #1	888
ST-222	KAFB-222-01-1315	011A	0356380004SA	9406016K	Normal Environmental Sample #1	889
ST-222	KAFB-222-01-1315	011A	0356380004SA	940603J	Normal Environmental Sample #1	893
ST-222	KAFB-222-01-1315	011A	P274204	26282	Normal Environmental Sample #1	894
ST-222	KAFB-222-01-1315	011A	P274204	26282	Normal Environmental Sample #1	895
ST-222	KAFB-222-01-1315	011A	P274204	26283	Normal Environmental Sample #1	892
ST-222	KAFB-222-01-1315	011A	P274204	26317	Normal Environmental Sample #1	896
ST-222	KAFB-222-01-1315	011A	P274204	26381	Normal Environmental Sample #1	890
ST-222	KAFB-222-01-1315	011A	P274204	26541	Normal Environmental Sample #1	891
ST-222	KAFB-222-02-0810	011A	0356380005SA	035638	Normal Environmental Sample #1	897
ST-222	KAFB-222-02-0810	011A	0356380005SA	9406016K	Normal Environmental Sample #1	898
ST-222	KAFB-222-02-0810	011A	0356380005SA	940603J	Normal Environmental Sample #1	902
ST-222	KAFB-222-02-0810	011A	P274205	26282	Normal Environmental Sample #1	903
ST-222	KAFB-222-02-0810	011A	P274205	26282	Normal Environmental Sample #1	904
ST-222	KAFB-222-02-0810	011A	P274205	26283	Normal Environmental Sample #1	901
ST-222	KAFB-222-02-0810	011A	P274205	26317	Normal Environmental Sample #1	905
ST-222	KAFB-222-02-0810	011A	P274205	26381	Normal Environmental Sample #1	899
ST-222	KAFB-222-02-0810	011A	P274205	26541	Normal Environmental Sample #1	900
ST-222	KAFB-222-02-1315	011A	0356380006SA	035638	Normal Environmental Sample #1	897
ST-222	KAFB-222-02-1315	011A	0356380006SA	9406016K	Normal Environmental Sample #1	898
ST-222	KAFB-222-02-1315	011A	0356380006SA	940603J	Normal Environmental Sample #1	902
ST-222	KAFB-222-02-1315	011A	P274206	26282	Normal Environmental Sample #1	903
ST-222	KAFB-222-02-1315	011A	P274206	26282	Normal Environmental Sample #1	904
ST-222	KAFB-222-02-1315	011A	P274206	26283	Normal Environmental Sample #1	901
ST-222	KAFB-222-02-1315	011A	P274206	26317	Normal Environmental Sample #1	905
ST-222	KAFB-222-02-1315	011A	P274206	26381	Normal Environmental Sample #1	899
ST-222	KAFB-222-02-1315	011A	P274206	26541	Normal Environmental Sample #1	900
ST-222	KAFB-222-03-0810	011A	0356380007SA	035638	Normal Environmental Sample #1	906
ST-222	KAFB-222-03-0810	011A	0356380007SA	9406016K	Normal Environmental Sample #1	907
ST-222	KAFB-222-03-0810	011A	0356380007SA	940603J	Normal Environmental Sample #1	911
ST-222	KAFB-222-03-0810	011A	P274207	26282	Normal Environmental Sample #1	912
ST-222	KAFB-222-03-0810	011A	P274207	26282	Normal Environmental Sample #1	913

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Site	Field ID	Fld Lot	Lab ID	Lab Lot	Sample Description	Page
ST-222	KAFB-222-03-0810	011A	P274207	26283	Normal Environmental Sample #1	910
ST-222	KAFB-222-03-0810	011A	P274207	26317	Normal Environmental Sample #1	914
ST-222	KAFB-222-03-0810	011A	P274207	26381	Normal Environmental Sample #1	908
ST-222	KAFB-222-03-0810	011A	P274207	26541	Normal Environmental Sample #1	909
ST-222	KAFB-222-03-1315	011A	0356380008SA	035638	Normal Environmental Sample #1	906
ST-222	KAFB-222-03-1315	011A	0356380008SA	9406016K	Normal Environmental Sample #1	907
ST-222	KAFB-222-03-1315	011A	0356380008SA	940603J	Normal Environmental Sample #1	911
ST-222	KAFB-222-03-1315	011A	P274208	26282	Normal Environmental Sample #1	912
ST-222	KAFB-222-03-1315	011A	P274208	26282	Normal Environmental Sample #1	913
ST-222	KAFB-222-03-1315	011A	P274208	26283	Normal Environmental Sample #1	910
ST-222	KAFB-222-03-1315	011A	P274208	26317	Normal Environmental Sample #1	914
ST-222	KAFB-222-03-1315	011A	P274208	26381	Normal Environmental Sample #1	908
ST-222	KAFB-222-03-1315	011A	P274208	26541	Normal Environmental Sample #1	909
ST-222	KAFB-EB-222-052394	011A	0356380002EB	9405286K	Equipment Blank #1	889
ST-222	KAFB-EB-222-052394	011A	0356380002EB	9405286K	Equipment Blank #1	893
ST-222	KAFB-EB-222-052394	011A	0356380002EB	9405286K	Equipment Blank #1	898
ST-222	KAFB-EB-222-052394	011A	0356380002EB	9405286K	Equipment Blank #1	902
ST-222	KAFB-EB-222-052394	011A	0356380002EB	9405286K	Equipment Blank #1	907
ST-222	KAFB-EB-222-052394	011A	0356380002EB	9405286K	Equipment Blank #1	911
ST-222	KAFB-EB-222-052394	011A	0356380002EB	940603J	Equipment Blank #1	893
ST-222	KAFB-EB-222-052394	011A	0356380002EB	940603J	Equipment Blank #1	902
ST-222	KAFB-EB-222-052394	011A	0356380002EB	940603J	Equipment Blank #1	911
ST-222	KAFB-EB-222-052394	011A	P274202	26280	Equipment Blank #1	894
ST-222	KAFB-EB-222-052394	011A	P274202	26280	Equipment Blank #1	895
ST-222	KAFB-EB-222-052394	011A	P274202	26280	Equipment Blank #1	903
ST-222	KAFB-EB-222-052394	011A	P274202	26280	Equipment Blank #1	904
ST-222	KAFB-EB-222-052394	011A	P274202	26280	Equipment Blank #1	912
ST-222	KAFB-EB-222-052394	011A	P274202	26280	Equipment Blank #1	913
ST-222	KAFB-EB-222-052394	011A	P274202	26281	Equipment Blank #1	892
ST-222	KAFB-EB-222-052394	011A	P274202	26281	Equipment Blank #1	901
ST-222	KAFB-EB-222-052394	011A	P274202	26281	Equipment Blank #1	910
ST-222	KAFB-EB-222-052394	011A	P274202	26305	Equipment Blank #1	891
ST-222	KAFB-EB-222-052394	011A	P274202	26305	Equipment Blank #1	900
ST-222	KAFB-EB-222-052394	011A	P274202	26305	Equipment Blank #1	909
ST-222	KAFB-EB-222-052394	011A	P274202	26336	Equipment Blank #1	890
ST-222	KAFB-EB-222-052394	011A	P274202	26336	Equipment Blank #1	899
ST-222	KAFB-EB-222-052394	011A	P274202	26336	Equipment Blank #1	908
ST-222	KAFB-TB-01-052394	011A			Trip Blank #1	889
ST-222	KAFB-TB-01-052394	011A			Trip Blank #1	893
ST-222	KAFB-TB-01-052394	011A			Trip Blank #1	898
ST-222	KAFB-TB-01-052394	011A			Trip Blank #1	902
ST-222	KAFB-TB-01-052394	011A			Trip Blank #1	907
ST-222	KAFB-TB-01-052394	011A			Trip Blank #1	911
ST-222	KAFB-TB-01-052394	011A	0356380001TB	940603J	Trip Blank #1	893
ST-222	KAFB-TB-01-052394	011A	0356380001TB	940603J	Trip Blank #1	902
ST-222	KAFB-TB-01-052394	011A	0356380001TB	940603J	Trip Blank #1	911
ST-223	KAFB-223-01-1113	011A	0356380009SA	035638	Normal Environmental Sample #1	915
ST-223	KAFB-223-01-1113	011A	0356380009SA	9406016K	Normal Environmental Sample #1	916
ST-223	KAFB-223-01-1113	011A	0356380009SA	940603J	Normal Environmental Sample #1	920
ST-223	KAFB-223-01-1113	011A	P274209	26282	Normal Environmental Sample #1	921
ST-223	KAFB-223-01-1113	011A	P274209	26282	Normal Environmental Sample #1	922
ST-223	KAFB-223-01-1113	011A	P274209	26283	Normal Environmental Sample #1	919

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Site	Field ID	Fld Lot	Lab ID	Lab Lot	Sample Description	Page
ST-223	KAFB-223-01-1113	011A	P274209	26317	Normal Environmental Sample #1	923
ST-223	KAFB-223-01-1113	011A	P274209	26381	Normal Environmental Sample #1	917
ST-223	KAFB-223-01-1113	011A	P274209	26541	Normal Environmental Sample #1	918
ST-223	KAFB-223-01-1921	011A	0356380010SA	035638	Normal Environmental Sample #1	915
ST-223	KAFB-223-01-1921	011A	0356380010SA	9406016K	Normal Environmental Sample #1	916
ST-223	KAFB-223-01-1921	011A	0356380010SA	940603J	Normal Environmental Sample #1	920
ST-223	KAFB-223-01-1921	011A	P274210	26282	Normal Environmental Sample #1	921
ST-223	KAFB-223-01-1921	011A	P274210	26282	Normal Environmental Sample #1	922
ST-223	KAFB-223-01-1921	011A	P274210	26283	Normal Environmental Sample #1	919
ST-223	KAFB-223-01-1921	011A	P274210	26317	Normal Environmental Sample #1	923
ST-223	KAFB-223-01-1921	011A	P274210	26381	Normal Environmental Sample #1	917
ST-223	KAFB-223-01-1921	011A	P274210	26541	Normal Environmental Sample #1	918
ST-223	KAFB-223-02-1115	011A	0356380011SA	035638	Normal Environmental Sample #1	924
ST-223	KAFB-223-02-1115	011A	0356380011SA	9406016K	Normal Environmental Sample #1	925
ST-223	KAFB-223-02-1115	011A	0356380011SA	940603J	Normal Environmental Sample #1	929
ST-223	KAFB-223-02-1115	011A	P274211	26282	Normal Environmental Sample #1	930
ST-223	KAFB-223-02-1115	011A	P274211	26282	Normal Environmental Sample #1	931
ST-223	KAFB-223-02-1115	011A	P274211	26283	Normal Environmental Sample #1	928
ST-223	KAFB-223-02-1115	011A	P274211	26317	Normal Environmental Sample #1	932
ST-223	KAFB-223-02-1115	011A	P274211	26381	Normal Environmental Sample #1	926
ST-223	KAFB-223-02-1115	011A	P274211	26541	Normal Environmental Sample #1	927
ST-223	KAFB-223-02-1921	011A	0356380012SA	035638	Normal Environmental Sample #1	924
ST-223	KAFB-223-02-1921	011A	0356380012SA	9406016K	Normal Environmental Sample #1	925
ST-223	KAFB-223-02-1921	011A	0356380012SA	940603J	Normal Environmental Sample #1	929
ST-223	KAFB-223-02-1921	011A	P274212	26282	Normal Environmental Sample #1	930
ST-223	KAFB-223-02-1921	011A	P274212	26282	Normal Environmental Sample #1	931
ST-223	KAFB-223-02-1921	011A	P274212	26283	Normal Environmental Sample #1	928
ST-223	KAFB-223-02-1921	011A	P274212	26317	Normal Environmental Sample #1	932
ST-223	KAFB-223-02-1921	011A	P274212	26381	Normal Environmental Sample #1	926
ST-223	KAFB-223-02-1921	011A	P274212	26541	Normal Environmental Sample #1	927
ST-223	KAFB-EB-222-052394	011A	0356380002EB	9405286K	Equipment Blank #1	916
ST-223	KAFB-EB-222-052394	011A	0356380002EB	9405286K	Equipment Blank #1	920
ST-223	KAFB-EB-222-052394	011A	0356380002EB	9405286K	Equipment Blank #1	925
ST-223	KAFB-EB-222-052394	011A	0356380002EB	9405286K	Equipment Blank #1	929
ST-223	KAFB-EB-222-052394	011A	0356380002EB	940603J	Equipment Blank #1	920
ST-223	KAFB-EB-222-052394	011A	0356380002EB	940603J	Equipment Blank #1	929
ST-223	KAFB-EB-222-052394	011A	P274202	26280	Equipment Blank #1	921
ST-223	KAFB-EB-222-052394	011A	P274202	26280	Equipment Blank #1	922
ST-223	KAFB-EB-222-052394	011A	P274202	26280	Equipment Blank #1	930
ST-223	KAFB-EB-222-052394	011A	P274202	26280	Equipment Blank #1	931
ST-223	KAFB-EB-222-052394	011A	P274202	26281	Equipment Blank #1	919
ST-223	KAFB-EB-222-052394	011A	P274202	26281	Equipment Blank #1	928
ST-223	KAFB-EB-222-052394	011A	P274202	26305	Equipment Blank #1	918
ST-223	KAFB-EB-222-052394	011A	P274202	26305	Equipment Blank #1	927
ST-223	KAFB-EB-222-052394	011A	P274202	26336	Equipment Blank #1	917
ST-223	KAFB-EB-222-052394	011A	P274202	26336	Equipment Blank #1	926
ST-223	KAFB-TB-01-052394	011A			Trip Blank #1	916
ST-223	KAFB-TB-01-052394	011A			Trip Blank #1	920
ST-223	KAFB-TB-01-052394	011A			Trip Blank #1	925
ST-223	KAFB-TB-01-052394	011A			Trip Blank #1	929
ST-223	KAFB-TB-01-052394	011A	0356380001TB	940603J	Trip Blank #1	920
ST-223	KAFB-TB-01-052394	011A	0356380001TB	940603J	Trip Blank #1	929

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ST-224	KAFB-224-01-0911	011A	0356980003SA	035698	Normal Environmental Sample #1	933
ST-224	KAFB-224-01-0911	011A	0356980003SA	9406036K	Normal Environmental Sample #1	934
ST-224	KAFB-224-01-0911	011A	0356980003SA	940606J	Normal Environmental Sample #1	938
ST-224	KAFB-224-01-0911	011A	P274288	26368	Normal Environmental Sample #1	941
ST-224	KAFB-224-01-0911	011A	P274288	26381	Normal Environmental Sample #1	935
ST-224	KAFB-224-01-0911	011A	P274288	26446	Normal Environmental Sample #1	939
ST-224	KAFB-224-01-0911	011A	P274288	26446	Normal Environmental Sample #1	940
ST-224	KAFB-224-01-0911	011A	P274288	26447	Normal Environmental Sample #1	937
ST-224	KAFB-224-01-0911	011A	P274288	26542	Normal Environmental Sample #1	936
ST-224	KAFB-224-01-1618	011A	0356980004SA	035698	Normal Environmental Sample #1	933
ST-224	KAFB-224-01-1618	011A	0356980004SA	9406036K	Normal Environmental Sample #1	934
ST-224	KAFB-224-01-1618	011A	0356980004SA	940606J	Normal Environmental Sample #1	938
ST-224	KAFB-224-01-1618	011A	P274289	26368	Normal Environmental Sample #1	941
ST-224	KAFB-224-01-1618	011A	P274289	26381	Normal Environmental Sample #1	935
ST-224	KAFB-224-01-1618	011A	P274289	26446	Normal Environmental Sample #1	939
ST-224	KAFB-224-01-1618	011A	P274289	26446	Normal Environmental Sample #1	940
ST-224	KAFB-224-01-1618	011A	P274289	26447	Normal Environmental Sample #1	937
ST-224	KAFB-224-01-1618	011A	P274289	26542	Normal Environmental Sample #1	936
ST-224	KAFB-224-02-0911	011A	0356980005SA	035698	Normal Environmental Sample #1	942
ST-224	KAFB-224-02-0911	011A	0356980005SA	9406036K	Normal Environmental Sample #1	943
ST-224	KAFB-224-02-0911	011A	0356980005SA	940606J	Normal Environmental Sample #1	947
ST-224	KAFB-224-02-0911	011A	P274290	26368	Normal Environmental Sample #1	950
ST-224	KAFB-224-02-0911	011A	P274290	26381	Normal Environmental Sample #1	944
ST-224	KAFB-224-02-0911	011A	P274290	26446	Normal Environmental Sample #1	948
ST-224	KAFB-224-02-0911	011A	P274290	26446	Normal Environmental Sample #1	949
ST-224	KAFB-224-02-0911	011A	P274290	26447	Normal Environmental Sample #1	946
ST-224	KAFB-224-02-0911	011A	P274290	26542	Normal Environmental Sample #1	945
ST-224	KAFB-224-02-1618	011A	0356980006SA	035698	Normal Environmental Sample #1	942
ST-224	KAFB-224-02-1618	011A	0356980006SA	9406036K	Normal Environmental Sample #1	943
ST-224	KAFB-224-02-1618	011A	0356980006SA	940606J	Normal Environmental Sample #1	947
ST-224	KAFB-224-02-1618	011A	P274291	26368	Normal Environmental Sample #1	950
ST-224	KAFB-224-02-1618	011A	P274291	26381	Normal Environmental Sample #1	944
ST-224	KAFB-224-02-1618	011A	P274291	26446	Normal Environmental Sample #1	948
ST-224	KAFB-224-02-1618	011A	P274291	26446	Normal Environmental Sample #1	949
ST-224	KAFB-224-02-1618	011A	P274291	26447	Normal Environmental Sample #1	946
ST-224	KAFB-224-02-1618	011A	P274291	26542	Normal Environmental Sample #1	945
ST-224	KAFB-EB-224-052494	011A	0356980002EB	9406026K	Equipment Blank #1	934
ST-224	KAFB-EB-224-052494	011A	0356980002EB	9406026K	Equipment Blank #1	938
ST-224	KAFB-EB-224-052494	011A	0356980002EB	9406026K	Equipment Blank #1	943
ST-224	KAFB-EB-224-052494	011A	0356980002EB	9406026K	Equipment Blank #1	947
ST-224	KAFB-EB-224-052494	011A	0356980002EB	940606J	Equipment Blank #1	938
ST-224	KAFB-EB-224-052494	011A	0356980002EB	940606J	Equipment Blank #1	947
ST-224	KAFB-EB-224-052494	011A	P274287	26333	Equipment Blank #1	939
ST-224	KAFB-EB-224-052494	011A	P274287	26333	Equipment Blank #1	940
ST-224	KAFB-EB-224-052494	011A	P274287	26333	Equipment Blank #1	948
ST-224	KAFB-EB-224-052494	011A	P274287	26333	Equipment Blank #1	949
ST-224	KAFB-EB-224-052494	011A	P274287	26335	Equipment Blank #1	937
ST-224	KAFB-EB-224-052494	011A	P274287	26335	Equipment Blank #1	946
ST-224	KAFB-EB-224-052494	011A	P274287	26396	Equipment Blank #1	936
ST-224	KAFB-EB-224-052494	011A	P274287	26396	Equipment Blank #1	945
ST-224	KAFB-EB-224-052494	011A	P274287	26517	Equipment Blank #1	935
ST-224	KAFB-EB-224-052494	011A	P274287	26517	Equipment Blank #1	944

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ST-224	KAFB-TB-01-052494	011A			Trip Blank #1	934
ST-224	KAFB-TB-01-052494	011A			Trip Blank #1	938
ST-224	KAFB-TB-01-052494	011A			Trip Blank #1	943
ST-224	KAFB-TB-01-052494	011A			Trip Blank #1	947
ST-224	KAFB-TB-01-052494	011A	0356980001TB	940606J	Trip Blank #1	938
ST-224	KAFB-TB-01-052494	011A	0356980001TB	940606J	Trip Blank #1	947
ST-225	KAFB-225-01-1115	011A	0356380013SA	035638	Normal Environmental Sample #1	951
ST-225	KAFB-225-01-1115	011A	0356380013SA	9406016K	Normal Environmental Sample #1	952
ST-225	KAFB-225-01-1115	011A	0356380013SA	940603J	Normal Environmental Sample #1	956
ST-225	KAFB-225-01-1115	011A	P274213	26282	Normal Environmental Sample #1	957
ST-225	KAFB-225-01-1115	011A	P274213	26282	Normal Environmental Sample #1	958
ST-225	KAFB-225-01-1115	011A	P274213	26283	Normal Environmental Sample #1	955
ST-225	KAFB-225-01-1115	011A	P274213	26317	Normal Environmental Sample #1	959
ST-225	KAFB-225-01-1115	011A	P274213	26381	Normal Environmental Sample #1	953
ST-225	KAFB-225-01-1115	011A	P274213	26542	Normal Environmental Sample #1	954
ST-225	KAFB-225-01-1921	011A	0356380015SA	035638	Normal Environmental Sample #1	951
ST-225	KAFB-225-01-1921	011A	0356380015SA	9406016K	Normal Environmental Sample #1	952
ST-225	KAFB-225-01-1921	011A	0356380015SA	940603J	Normal Environmental Sample #1	956
ST-225	KAFB-225-01-1921	011A	P274215	26282	Normal Environmental Sample #1	957
ST-225	KAFB-225-01-1921	011A	P274215	26282	Normal Environmental Sample #1	958
ST-225	KAFB-225-01-1921	011A	P274215	26283	Normal Environmental Sample #1	955
ST-225	KAFB-225-01-1921	011A	P274215	26317	Normal Environmental Sample #1	959
ST-225	KAFB-225-01-1921	011A	P274215	26381	Normal Environmental Sample #1	953
ST-225	KAFB-225-01-1921	011A	P274215	26542	Normal Environmental Sample #1	954
ST-225	KAFB-225-99-1115	011A	0356380013SA	035638	Field Replicate #1	951
ST-225	KAFB-225-99-1115	011A	0356380013SA	9406016K	Field Replicate #1	952
ST-225	KAFB-225-99-1115	011A	0356380013SA	940603J	Field Replicate #1	956
ST-225	KAFB-225-99-1115	011A	P274213	26282	Field Replicate #1	957
ST-225	KAFB-225-99-1115	011A	P274213	26282	Field Replicate #1	958
ST-225	KAFB-225-99-1115	011A	P274213	26283	Field Replicate #1	955
ST-225	KAFB-225-99-1115	011A	P274213	26317	Field Replicate #1	959
ST-225	KAFB-225-99-1115	011A	P274213	26381	Field Replicate #1	953
ST-225	KAFB-225-99-1115	011A	P274213	26542	Field Replicate #1	954
ST-225	KAFB-EB-222-052394	011A	0356380002EB	9405286K	Equipment Blank #1	952
ST-225	KAFB-EB-222-052394	011A	0356380002EB	9405286K	Equipment Blank #1	956
ST-225	KAFB-EB-222-052394	011A	0356380002EB	940603J	Equipment Blank #1	956
ST-225	KAFB-EB-222-052394	011A	P274202	26280	Equipment Blank #1	957
ST-225	KAFB-EB-222-052394	011A	P274202	26280	Equipment Blank #1	958
ST-225	KAFB-EB-222-052394	011A	P274202	26281	Equipment Blank #1	955
ST-225	KAFB-EB-222-052394	011A	P274202	26305	Equipment Blank #1	954
ST-225	KAFB-EB-222-052394	011A	P274202	26336	Equipment Blank #1	953
ST-225	KAFB-TB-01-052394	011A			Trip Blank #1	952
ST-225	KAFB-TB-01-052394	011A			Trip Blank #1	956
ST-225	KAFB-TB-01-052394	011A	0356380001TB	940603J	Trip Blank #1	956
ST-226	KAFB-226-01-0305	111A			Normal Environmental Sample #1	963
ST-226	KAFB-226-01-0305	111A	P268357	24966	Normal Environmental Sample #1	968
ST-226	KAFB-226-01-0305	111A	P268357	24981	Normal Environmental Sample #1	964
ST-226	KAFB-226-01-0305	111A	P268357	24996	Normal Environmental Sample #1	960
ST-226	KAFB-226-01-0305	111A	P268357	25049	Normal Environmental Sample #1	966
ST-226	KAFB-226-01-0305	111A	P268357	25049	Normal Environmental Sample #1	967
ST-226	KAFB-226-01-0305	111A	P268357	25111	Normal Environmental Sample #1	961
ST-226	KAFB-226-01-0305	111A	P268357	25201	Normal Environmental Sample #1	962

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ST-226	KAFB-226-01-0305	111A	P268357	25775	Normal Environmental Sample #1	965
ST-226	KAFB-226-01-0810	111A			Normal Environmental Sample #1	963
ST-226	KAFB-226-01-0810	111A	P268358	24966	Normal Environmental Sample #1	968
ST-226	KAFB-226-01-0810	111A	P268358	24981	Normal Environmental Sample #1	964
ST-226	KAFB-226-01-0810	111A	P268358	24996	Normal Environmental Sample #1	960
ST-226	KAFB-226-01-0810	111A	P268358	25049	Normal Environmental Sample #1	966
ST-226	KAFB-226-01-0810	111A	P268358	25049	Normal Environmental Sample #1	967
ST-226	KAFB-226-01-0810	111A	P268358	25111	Normal Environmental Sample #1	961
ST-226	KAFB-226-01-0810	111A	P268358	25201	Normal Environmental Sample #1	962
ST-226	KAFB-226-01-0810	111A	P268358	25775	Normal Environmental Sample #1	965
ST-226	KAFB-226-02-0305	111A	P268360	24966	Normal Environmental Sample #1	977
ST-226	KAFB-226-02-0305	111A	P268360	24996	Normal Environmental Sample #1	969
ST-226	KAFB-226-02-0305	111A	P268360	25111	Normal Environmental Sample #1	970
ST-226	KAFB-226-02-0305	111A	P268360	25201	Normal Environmental Sample #1	971
ST-226	KAFB-226-02-0507	111A			Normal Environmental Sample #1	972
ST-226	KAFB-226-02-0507	111A	P268361	24966	Normal Environmental Sample #1	977
ST-226	KAFB-226-02-0507	111A	P268361	24981	Normal Environmental Sample #1	973
ST-226	KAFB-226-02-0507	111A	P268361	24996	Normal Environmental Sample #1	969
ST-226	KAFB-226-02-0507	111A	P268361	25049	Normal Environmental Sample #1	975
ST-226	KAFB-226-02-0507	111A	P268361	25049	Normal Environmental Sample #1	976
ST-226	KAFB-226-02-0507	111A	P268361	25775	Normal Environmental Sample #1	974
ST-226	KAFB-226-02-0810	111A			Normal Environmental Sample #1	972
ST-226	KAFB-226-02-0810	111A	P268362	24966	Normal Environmental Sample #1	977
ST-226	KAFB-226-02-0810	111A	P268362	24981	Normal Environmental Sample #1	973
ST-226	KAFB-226-02-0810	111A	P268362	24996	Normal Environmental Sample #1	969
ST-226	KAFB-226-02-0810	111A	P268362	25049	Normal Environmental Sample #1	975
ST-226	KAFB-226-02-0810	111A	P268362	25049	Normal Environmental Sample #1	976
ST-226	KAFB-226-02-0810	111A	P268362	25111	Normal Environmental Sample #1	970
ST-226	KAFB-226-02-0810	111A	P268362	25201	Normal Environmental Sample #1	971
ST-226	KAFB-226-02-0810	111A	P268362	25775	Normal Environmental Sample #1	974
ST-226	KAFB-226-03-0306	111A			Normal Environmental Sample #1	981
ST-226	KAFB-226-03-0306	111A	P268363	24966	Normal Environmental Sample #1	986
ST-226	KAFB-226-03-0306	111A	P268363	24981	Normal Environmental Sample #1	982
ST-226	KAFB-226-03-0306	111A	P268363	24996	Normal Environmental Sample #1	978
ST-226	KAFB-226-03-0306	111A	P268363	25049	Normal Environmental Sample #1	984
ST-226	KAFB-226-03-0306	111A	P268363	25049	Normal Environmental Sample #1	985
ST-226	KAFB-226-03-0306	111A	P268363	25111	Normal Environmental Sample #1	979
ST-226	KAFB-226-03-0306	111A	P268363	25201	Normal Environmental Sample #1	980
ST-226	KAFB-226-03-0306	111A	P268363	25775	Normal Environmental Sample #1	983
ST-226	KAFB-226-03-0810	111A			Normal Environmental Sample #1	981
ST-226	KAFB-226-03-0810	111A	P268364	24966	Normal Environmental Sample #1	986
ST-226	KAFB-226-03-0810	111A	P268364	24981	Normal Environmental Sample #1	982
ST-226	KAFB-226-03-0810	111A	P268364	24996	Normal Environmental Sample #1	978
ST-226	KAFB-226-03-0810	111A	P268364	25049	Normal Environmental Sample #1	984
ST-226	KAFB-226-03-0810	111A	P268364	25049	Normal Environmental Sample #1	985
ST-226	KAFB-226-03-0810	111A	P268364	25111	Normal Environmental Sample #1	979
ST-226	KAFB-226-03-0810	111A	P268364	25201	Normal Environmental Sample #1	980
ST-226	KAFB-226-03-0810	111A	P268364	25775	Normal Environmental Sample #1	983
ST-226	KAFB-226-04-0306	111A			Normal Environmental Sample #1	990
ST-226	KAFB-226-04-0306	111A	P268365	24966	Normal Environmental Sample #1	995
ST-226	KAFB-226-04-0306	111A	P268365	24981	Normal Environmental Sample #1	991
ST-226	KAFB-226-04-0306	111A	P268365	24996	Normal Environmental Sample #1	987

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Site	Field ID	Fld Lot	Lab ID	Lab Lot	Sample Description	Page
ST-226	KAFB-226-04-0306	111A	P268365	25049	Normal Environmental Sample #1	993
ST-226	KAFB-226-04-0306	111A	P268365	25049	Normal Environmental Sample #1	994
ST-226	KAFB-226-04-0306	111A	P268365	25111	Normal Environmental Sample #1	988
ST-226	KAFB-226-04-0306	111A	P268365	25201	Normal Environmental Sample #1	989
ST-226	KAFB-226-04-0306	111A	P268365	25775	Normal Environmental Sample #1	992
ST-226	KAFB-226-04-0812	111A			Normal Environmental Sample #1	990
ST-226	KAFB-226-04-0812	111A	P268366	24966	Normal Environmental Sample #1	995
ST-226	KAFB-226-04-0812	111A	P268366	24981	Normal Environmental Sample #1	991
ST-226	KAFB-226-04-0812	111A	P268366	24996	Normal Environmental Sample #1	987
ST-226	KAFB-226-04-0812	111A	P268366	25049	Normal Environmental Sample #1	993
ST-226	KAFB-226-04-0812	111A	P268366	25049	Normal Environmental Sample #1	994
ST-226	KAFB-226-04-0812	111A	P268366	25111	Normal Environmental Sample #1	988
ST-226	KAFB-226-04-0812	111A	P268366	25201	Normal Environmental Sample #1	989
ST-226	KAFB-226-04-0812	111A	P268366	25775	Normal Environmental Sample #1	992
ST-226	KAFB-226-05-0307	111A			Normal Environmental Sample #1	999
ST-226	KAFB-226-05-0307	111A	P268368	24966	Normal Environmental Sample #1	1004
ST-226	KAFB-226-05-0307	111A	P268368	24981	Normal Environmental Sample #1	1000
ST-226	KAFB-226-05-0307	111A	P268368	24996	Normal Environmental Sample #1	996
ST-226	KAFB-226-05-0307	111A	P268368	25049	Normal Environmental Sample #1	1002
ST-226	KAFB-226-05-0307	111A	P268368	25049	Normal Environmental Sample #1	1003
ST-226	KAFB-226-05-0307	111A	P268368	25111	Normal Environmental Sample #1	997
ST-226	KAFB-226-05-0307	111A	P268368	25201	Normal Environmental Sample #1	998
ST-226	KAFB-226-05-0307	111A	P268368	25776	Normal Environmental Sample #1	1001
ST-226	KAFB-226-05-0812	111A			Normal Environmental Sample #1	999
ST-226	KAFB-226-05-0812	111A	P268369	24966	Normal Environmental Sample #1	1004
ST-226	KAFB-226-05-0812	111A	P268369	24981	Normal Environmental Sample #1	1000
ST-226	KAFB-226-05-0812	111A	P268369	24996	Normal Environmental Sample #1	996
ST-226	KAFB-226-05-0812	111A	P268369	25049	Normal Environmental Sample #1	1002
ST-226	KAFB-226-05-0812	111A	P268369	25049	Normal Environmental Sample #1	1003
ST-226	KAFB-226-05-0812	111A	P268369	25111	Normal Environmental Sample #1	997
ST-226	KAFB-226-05-0812	111A	P268369	25201	Normal Environmental Sample #1	998
ST-226	KAFB-226-05-0812	111A	P268369	25776	Normal Environmental Sample #1	1001
ST-226	KAFB-226-99-0812	111A			Field Replicate #1	990
ST-226	KAFB-226-99-0812	111A	P268366	24966	Field Replicate #1	995
ST-226	KAFB-226-99-0812	111A	P268366	24981	Field Replicate #1	991
ST-226	KAFB-226-99-0812	111A	P268366	24996	Field Replicate #1	987
ST-226	KAFB-226-99-0812	111A	P268366	25049	Field Replicate #1	993
ST-226	KAFB-226-99-0812	111A	P268366	25049	Field Replicate #1	994
ST-226	KAFB-226-99-0812	111A	P268366	25111	Field Replicate #1	988
ST-226	KAFB-226-99-0812	111A	P268366	25201	Field Replicate #1	989
ST-226	KAFB-226-99-0812	111A	P268366	25775	Field Replicate #1	992
ST-226	KAFB-AB-226-032994	111A	P268359	25854	Ambient Conditions Blank #1	965
ST-226	KAFB-AB-226-032994	111A	P268359	25854	Ambient Conditions Blank #1	974
ST-226	KAFB-AB-226-032994	111A	P268359	25854	Ambient Conditions Blank #1	983
ST-226	KAFB-AB-226-032994	111A	P268359	25854	Ambient Conditions Blank #1	992
ST-226	KAFB-AB-226-032994	111A	P268359	25854	Ambient Conditions Blank #1	1001
ST-226	KAFB-EB-226-032994	111A	P268356	24945	Equipment Blank #1	964
ST-226	KAFB-EB-226-032994	111A	P268356	24945	Equipment Blank #1	973
ST-226	KAFB-EB-226-032994	111A	P268356	24945	Equipment Blank #1	982
ST-226	KAFB-EB-226-032994	111A	P268356	24945	Equipment Blank #1	991
ST-226	KAFB-EB-226-032994	111A	P268356	24945	Equipment Blank #1	1000
ST-226	KAFB-EB-226-032994	111A	P268356	24976	Equipment Blank #1	966

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ST-226	KAFB-EB-226-032994	111A	P268356	24976	Equipment Blank #1	967
ST-226	KAFB-EB-226-032994	111A	P268356	24976	Equipment Blank #1	975
ST-226	KAFB-EB-226-032994	111A	P268356	24976	Equipment Blank #1	976
ST-226	KAFB-EB-226-032994	111A	P268356	24976	Equipment Blank #1	984
ST-226	KAFB-EB-226-032994	111A	P268356	24976	Equipment Blank #1	985
ST-226	KAFB-EB-226-032994	111A	P268356	24976	Equipment Blank #1	993
ST-226	KAFB-EB-226-032994	111A	P268356	24976	Equipment Blank #1	994
ST-226	KAFB-EB-226-032994	111A	P268356	24976	Equipment Blank #1	1002
ST-226	KAFB-EB-226-032994	111A	P268356	24976	Equipment Blank #1	1003
ST-226	KAFB-EB-226-032994	111A	P268356	25108	Equipment Blank #1	962
ST-226	KAFB-EB-226-032994	111A	P268356	25108	Equipment Blank #1	971
ST-226	KAFB-EB-226-032994	111A	P268356	25108	Equipment Blank #1	980
ST-226	KAFB-EB-226-032994	111A	P268356	25108	Equipment Blank #1	989
ST-226	KAFB-EB-226-032994	111A	P268356	25108	Equipment Blank #1	998
ST-226	KAFB-EB-226-032994	111A	P268356	25135	Equipment Blank #1	961
ST-226	KAFB-EB-226-032994	111A	P268356	25135	Equipment Blank #1	970
ST-226	KAFB-EB-226-032994	111A	P268356	25135	Equipment Blank #1	979
ST-226	KAFB-EB-226-032994	111A	P268356	25135	Equipment Blank #1	988
ST-226	KAFB-EB-226-032994	111A	P268356	25135	Equipment Blank #1	997
ST-226	KAFB-EB-226-032994	111A	P268356	25710	Equipment Blank #1	963
ST-226	KAFB-EB-226-032994	111A	P268356	25710	Equipment Blank #1	972
ST-226	KAFB-EB-226-032994	111A	P268356	25710	Equipment Blank #1	981
ST-226	KAFB-EB-226-032994	111A	P268356	25710	Equipment Blank #1	990
ST-226	KAFB-EB-226-032994	111A	P268356	25710	Equipment Blank #1	999
ST-226	KAFB-EB-226-032994	111A	P268356	25854	Equipment Blank #1	965
ST-226	KAFB-EB-226-032994	111A	P268356	25854	Equipment Blank #1	974
ST-226	KAFB-EB-226-032994	111A	P268356	25854	Equipment Blank #1	983
ST-226	KAFB-EB-226-032994	111A	P268356	25854	Equipment Blank #1	992
ST-226	KAFB-EB-226-032994	111A	P268356	25854	Equipment Blank #1	1001
ST-226	KAFB-TB-01-032994	111A	P268370	25855	Trip Blank #1	965
ST-226	KAFB-TB-01-032994	111A	P268370	25855	Trip Blank #1	974
ST-226	KAFB-TB-01-032994	111A	P268370	25855	Trip Blank #1	983
ST-226	KAFB-TB-01-032994	111A	P268370	25855	Trip Blank #1	992
ST-226	KAFB-TB-01-032994	111A	P268370	25855	Trip Blank #1	1001
ST-227	KAFB-227-01-0306	011A	1051570001DU	940420NX	Normal Environmental Sample #1	1005
ST-227	KAFB-227-01-0306	011A	1051570001MS	940413AX	Normal Environmental Sample #1	1010
ST-227	KAFB-227-01-0306	011A	P268452	24966	Normal Environmental Sample #1	1013
ST-227	KAFB-227-01-0306	011A	P268452	25051	Normal Environmental Sample #1	1011
ST-227	KAFB-227-01-0306	011A	P268452	25051	Normal Environmental Sample #1	1012
ST-227	KAFB-227-01-0306	011A	P268452	25102	Normal Environmental Sample #1	1009
ST-227	KAFB-227-01-0306	011A	P268452	25203	Normal Environmental Sample #1	1006
ST-227	KAFB-227-01-0306	011A	P268452	25239	Normal Environmental Sample #1	1007
ST-227	KAFB-227-01-0306	011A	P268452	26048	Normal Environmental Sample #1	1008
ST-227	KAFB-227-01-0810	011A	1051570002SA	940413AX	Normal Environmental Sample #1	1010
ST-227	KAFB-227-01-0810	011A	1051570002SA	940420NX	Normal Environmental Sample #1	1005
ST-227	KAFB-227-01-0810	011A	P268453	24966	Normal Environmental Sample #1	1013
ST-227	KAFB-227-01-0810	011A	P268453	25051	Normal Environmental Sample #1	1011
ST-227	KAFB-227-01-0810	011A	P268453	25051	Normal Environmental Sample #1	1012
ST-227	KAFB-227-01-0810	011A	P268453	25102	Normal Environmental Sample #1	1009
ST-227	KAFB-227-01-0810	011A	P268453	25203	Normal Environmental Sample #1	1006
ST-227	KAFB-227-01-0810	011A	P268453	25239	Normal Environmental Sample #1	1007
ST-227	KAFB-227-01-0810	011A	P268453	26047	Normal Environmental Sample #1	1008

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Site	Field ID	Fld Lot	Lab ID	Lab Lot	Sample Description	Page
ST-227	KAFB-227-01-1820	011A	1051570003SA	940413AX	Normal Environmental Sample #1	1010
ST-227	KAFB-227-01-1820	011A	1051570003SA	940420NX	Normal Environmental Sample #1	1005
ST-227	KAFB-227-01-1820	011A	P268454	24966	Normal Environmental Sample #1	1013
ST-227	KAFB-227-01-1820	011A	P268454	25051	Normal Environmental Sample #1	1011
ST-227	KAFB-227-01-1820	011A	P268454	25051	Normal Environmental Sample #1	1012
ST-227	KAFB-227-01-1820	011A	P268454	25102	Normal Environmental Sample #1	1009
ST-227	KAFB-227-01-1820	011A	P268454	25203	Normal Environmental Sample #1	1006
ST-227	KAFB-227-01-1820	011A	P268454	25239	Normal Environmental Sample #1	1007
ST-227	KAFB-227-01-1820	011A	P268454	26047	Normal Environmental Sample #1	1008
ST-227	KAFB-227-02-0307	011A	1051570004SA	940413AX	Normal Environmental Sample #1	1019
ST-227	KAFB-227-02-0307	011A	1051570004SA	940420NX	Normal Environmental Sample #1	1014
ST-227	KAFB-227-02-0307	011A	P268455	25032	Normal Environmental Sample #1	1022
ST-227	KAFB-227-02-0307	011A	P268455	25051	Normal Environmental Sample #1	1020
ST-227	KAFB-227-02-0307	011A	P268455	25051	Normal Environmental Sample #1	1021
ST-227	KAFB-227-02-0307	011A	P268455	25102	Normal Environmental Sample #1	1018
ST-227	KAFB-227-02-0307	011A	P268455	25203	Normal Environmental Sample #1	1015
ST-227	KAFB-227-02-0307	011A	P268455	25239	Normal Environmental Sample #1	1016
ST-227	KAFB-227-02-0307	011A	P268455	26047	Normal Environmental Sample #1	1017
ST-227	KAFB-227-02-0812	011A	1051570005SA	940413AX	Normal Environmental Sample #1	1019
ST-227	KAFB-227-02-0812	011A	1051570005SA	940420NX	Normal Environmental Sample #1	1014
ST-227	KAFB-227-02-0812	011A	P268456	24966	Normal Environmental Sample #1	1022
ST-227	KAFB-227-02-0812	011A	P268456	25051	Normal Environmental Sample #1	1020
ST-227	KAFB-227-02-0812	011A	P268456	25051	Normal Environmental Sample #1	1021
ST-227	KAFB-227-02-0812	011A	P268456	25102	Normal Environmental Sample #1	1018
ST-227	KAFB-227-02-0812	011A	P268456	25203	Normal Environmental Sample #1	1015
ST-227	KAFB-227-02-0812	011A	P268456	25239	Normal Environmental Sample #1	1016
ST-227	KAFB-227-02-0812	011A	P268456	26047	Normal Environmental Sample #1	1017
ST-227	KAFB-227-02-1820	011A	1051570006SA	940413AX	Normal Environmental Sample #1	1019
ST-227	KAFB-227-02-1820	011A	1051570006SA	940420NX	Normal Environmental Sample #1	1014
ST-227	KAFB-227-02-1820	011A	P268457	24966	Normal Environmental Sample #1	1022
ST-227	KAFB-227-02-1820	011A	P268457	25051	Normal Environmental Sample #1	1020
ST-227	KAFB-227-02-1820	011A	P268457	25051	Normal Environmental Sample #1	1021
ST-227	KAFB-227-02-1820	011A	P268457	25102	Normal Environmental Sample #1	1018
ST-227	KAFB-227-02-1820	011A	P268457	25203	Normal Environmental Sample #1	1015
ST-227	KAFB-227-02-1820	011A	P268457	25239	Normal Environmental Sample #1	1016
ST-227	KAFB-227-02-1820	011A	P268457	26047	Normal Environmental Sample #1	1017
ST-227	KAFB-EB-227-033094	011A	1051570010EB	940413AFX	Equipment Blank #1	1010
ST-227	KAFB-EB-227-033094	011A	1051570010EB	940413AFX	Equipment Blank #1	1019
ST-227	KAFB-EB-227-033094	011A	P268451	24941	Equipment Blank #1	1011
ST-227	KAFB-EB-227-033094	011A	P268451	24941	Equipment Blank #1	1012
ST-227	KAFB-EB-227-033094	011A	P268451	24941	Equipment Blank #1	1020
ST-227	KAFB-EB-227-033094	011A	P268451	24941	Equipment Blank #1	1021
ST-227	KAFB-EB-227-033094	011A	P268451	24945	Equipment Blank #1	1009
ST-227	KAFB-EB-227-033094	011A	P268451	24945	Equipment Blank #1	1018
ST-227	KAFB-EB-227-033094	011A	P268451	25108	Equipment Blank #1	1007
ST-227	KAFB-EB-227-033094	011A	P268451	25108	Equipment Blank #1	1016
ST-227	KAFB-EB-227-033094	011A	P268451	25135	Equipment Blank #1	1006
ST-227	KAFB-EB-227-033094	011A	P268451	25135	Equipment Blank #1	1015
ST-227	KAFB-EB-227-033094	011A	P268451	26046	Equipment Blank #1	1008
ST-227	KAFB-EB-227-033094	011A	P268451	26046	Equipment Blank #1	1017
ST-227	KAFB-TB-01-033094	011A	1051570025TB	940413AFX	Trip Blank #1	1010
ST-227	KAFB-TB-01-033094	011A	1051570025TB	940413AFX	Trip Blank #1	1019

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Site	Field ID	Fld Lot	Lab ID	Lab Lot	Sample Description	Page
ST-228	KAFB-228-01-0510	111A	0355810010MS	940526A	Normal Environmental Sample #1	1024
ST-228	KAFB-228-01-0510	111A	0355810010MS	940601N	Normal Environmental Sample #1	1028
ST-228	KAFB-228-01-0510	111A	0355810010SA	035581	Normal Environmental Sample #1	1023
ST-228	KAFB-228-01-0510	111A	P273422	26250	Normal Environmental Sample #1	1025
ST-228	KAFB-228-01-0510	111A	P273422	26259	Normal Environmental Sample #1	1029
ST-228	KAFB-228-01-0510	111A	P273422	26259	Normal Environmental Sample #1	1030
ST-228	KAFB-228-01-0510	111A	P273422	26260	Normal Environmental Sample #1	1027
ST-228	KAFB-228-01-0510	111A	P273422	26274	Normal Environmental Sample #1	1031
ST-228	KAFB-228-01-0510	111A	P273422	26438	Normal Environmental Sample #1	1026
ST-228	KAFB-228-01-1214	111A	0355810012SA	035581	Normal Environmental Sample #1	1023
ST-228	KAFB-228-01-1214	111A	0355810012SA	940526A	Normal Environmental Sample #1	1024
ST-228	KAFB-228-01-1214	111A	0355810012SA	940602J	Normal Environmental Sample #1	1028
ST-228	KAFB-228-01-1214	111A	P273424	26250	Normal Environmental Sample #1	1025
ST-228	KAFB-228-01-1214	111A	P273424	26259	Normal Environmental Sample #1	1029
ST-228	KAFB-228-01-1214	111A	P273424	26259	Normal Environmental Sample #1	1030
ST-228	KAFB-228-01-1214	111A	P273424	26260	Normal Environmental Sample #1	1027
ST-228	KAFB-228-01-1214	111A	P273424	26274	Normal Environmental Sample #1	1031
ST-228	KAFB-228-01-1214	111A	P273424	26438	Normal Environmental Sample #1	1026
ST-228	KAFB-228-99-0510	111A	0355810010MS	940526A	Field Replicate #1	1024
ST-228	KAFB-228-99-0510	111A	0355810010MS	940601N	Field Replicate #1	1028
ST-228	KAFB-228-99-0510	111A	0355810010SA	035581	Field Replicate #1	1023
ST-228	KAFB-AB-235-051994	111A			Ambient Conditions Blank #1	1024
ST-228	KAFB-AB-235-051994	111A			Ambient Conditions Blank #1	1028
ST-228	KAFB-AB-235-051994	111A	0355810004AB	940602J	Ambient Conditions Blank #1	1028
ST-228	KAFB-EB-235-051994	111A	0355810002EB	940528K	Equipment Blank #1	1024
ST-228	KAFB-EB-235-051994	111A	0355810002EB	940528K	Equipment Blank #1	1028
ST-228	KAFB-EB-235-051994	111A	0355810002EB	940602J	Equipment Blank #1	1028
ST-228	KAFB-EB-235-051994	111A	P273415	26236	Equipment Blank #1	1029
ST-228	KAFB-EB-235-051994	111A	P273415	26236	Equipment Blank #1	1030
ST-228	KAFB-EB-235-051994	111A	P273415	26237	Equipment Blank #1	1027
ST-228	KAFB-EB-235-051994	111A	P273415	26263	Equipment Blank #1	1025
ST-228	KAFB-EB-235-051994	111A	P273415	26305	Equipment Blank #1	1026
ST-228	KAFB-TB-01-051994	111A			Trip Blank #1	1024
ST-228	KAFB-TB-01-051994	111A			Trip Blank #1	1028
ST-228	KAFB-TB-01-051994	111A	0355810001TB	940602J	Trip Blank #1	1028
ST-229	KAFB-229-01-1418	011A	0354020011SA	035402	Normal Environmental Sample #1	1032
ST-229	KAFB-229-01-1418	011A	0354020011SA	9405166K	Normal Environmental Sample #1	1033
ST-229	KAFB-229-01-1418	011A	0354020011SA	940522J	Normal Environmental Sample #1	1037
ST-229	KAFB-229-01-1418	011A	P272492	26304	Normal Environmental Sample #1	1035
ST-229	KAFB-229-01-1418	011A	P272492	26311	Normal Environmental Sample #1	1034
ST-229	KAFB-229-01-1418	011A	P272492	26330	Normal Environmental Sample #1	1038
ST-229	KAFB-229-01-1418	011A	P272492	26330	Normal Environmental Sample #1	1039
ST-229	KAFB-229-01-1418	011A	P272492	26331	Normal Environmental Sample #1	1036
ST-229	KAFB-229-01-1418	011A	P272492	26344	Normal Environmental Sample #1	1040
ST-229	KAFB-229-01-2126	011A	0354020013MS	9405176K	Normal Environmental Sample #1	1033
ST-229	KAFB-229-01-2126	011A	0354020013MS	940520J	Normal Environmental Sample #1	1037
ST-229	KAFB-229-01-2126	011A	0354020013SA	035402	Normal Environmental Sample #1	1032
ST-229	KAFB-229-01-2126	011A	P272494	26304	Normal Environmental Sample #1	1035
ST-229	KAFB-229-01-2126	011A	P272494	26311	Normal Environmental Sample #1	1034
ST-229	KAFB-229-01-2126	011A	P272494	26330	Normal Environmental Sample #1	1038
ST-229	KAFB-229-01-2126	011A	P272494	26330	Normal Environmental Sample #1	1039
ST-229	KAFB-229-01-2126	011A	P272494	26331	Normal Environmental Sample #1	1036

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Site	Field ID	Fld Lot	Lab ID	Lab Lot	Sample Description	Page
ST-229	KAFB-229-01-2126	011A	P272494	26344	Normal Environmental Sample #1	1040
ST-229	KAFB-229-02-1416	011A	0354420003SA	035442	Normal Environmental Sample #1	1041
ST-229	KAFB-229-02-1416	011A	0354420003SA	9405186B	Normal Environmental Sample #1	1042
ST-229	KAFB-229-02-1416	011A	0354420003SA	940520N	Normal Environmental Sample #1	1046
ST-229	KAFB-229-02-1416	011A	P273064	26069	Normal Environmental Sample #1	1049
ST-229	KAFB-229-02-1416	011A	P273064	26098	Normal Environmental Sample #1	1045
ST-229	KAFB-229-02-1416	011A	P273064	26116	Normal Environmental Sample #1	1043
ST-229	KAFB-229-02-1416	011A	P273064	26127	Normal Environmental Sample #1	1047
ST-229	KAFB-229-02-1416	011A	P273064	26127	Normal Environmental Sample #1	1048
ST-229	KAFB-229-02-1416	011A	P273064	26244	Normal Environmental Sample #1	1044
ST-229	KAFB-229-02-2123	011A	0354420004SA	035442	Normal Environmental Sample #1	1041
ST-229	KAFB-229-02-2123	011A	0354420004SA	9405186B	Normal Environmental Sample #1	1042
ST-229	KAFB-229-02-2123	011A	0354420004SA	940520N	Normal Environmental Sample #1	1046
ST-229	KAFB-229-02-2123	011A	P273065	26069	Normal Environmental Sample #1	1049
ST-229	KAFB-229-02-2123	011A	P273065	26098	Normal Environmental Sample #1	1045
ST-229	KAFB-229-02-2123	011A	P273065	26116	Normal Environmental Sample #1	1043
ST-229	KAFB-229-02-2123	011A	P273065	26127	Normal Environmental Sample #1	1047
ST-229	KAFB-229-02-2123	011A	P273065	26127	Normal Environmental Sample #1	1048
ST-229	KAFB-229-02-2123	011A	P273065	26244	Normal Environmental Sample #1	1044
ST-229	KAFB-229-03-1416	011A	0354420005SA	035442	Normal Environmental Sample #1	1050
ST-229	KAFB-229-03-1416	011A	0354420005SA	9405186B	Normal Environmental Sample #1	1051
ST-229	KAFB-229-03-1416	011A	0354420005SA	940522J	Normal Environmental Sample #1	1055
ST-229	KAFB-229-03-1416	011A	P273066	26069	Normal Environmental Sample #1	1058
ST-229	KAFB-229-03-1416	011A	P273066	26098	Normal Environmental Sample #1	1054
ST-229	KAFB-229-03-1416	011A	P273066	26116	Normal Environmental Sample #1	1052
ST-229	KAFB-229-03-1416	011A	P273066	26127	Normal Environmental Sample #1	1056
ST-229	KAFB-229-03-1416	011A	P273066	26127	Normal Environmental Sample #1	1057
ST-229	KAFB-229-03-1416	011A	P273066	26244	Normal Environmental Sample #1	1053
ST-229	KAFB-229-03-2123	011A	0354420006SA	035442	Normal Environmental Sample #1	1050
ST-229	KAFB-229-03-2123	011A	0354420006SA	9405186B	Normal Environmental Sample #1	1051
ST-229	KAFB-229-03-2123	011A	0354420006SA	940522J	Normal Environmental Sample #1	1055
ST-229	KAFB-229-03-2123	011A	P273067	26069	Normal Environmental Sample #1	1058
ST-229	KAFB-229-03-2123	011A	P273067	26098	Normal Environmental Sample #1	1054
ST-229	KAFB-229-03-2123	011A	P273067	26116	Normal Environmental Sample #1	1052
ST-229	KAFB-229-03-2123	011A	P273067	26127	Normal Environmental Sample #1	1056
ST-229	KAFB-229-03-2123	011A	P273067	26127	Normal Environmental Sample #1	1057
ST-229	KAFB-229-03-2123	011A	P273067	26244	Normal Environmental Sample #1	1053
ST-229	KAFB-229-04-1416	011A	0354420007SA	035442	Normal Environmental Sample #1	1059
ST-229	KAFB-229-04-1416	011A	0354420007SA	9405186B	Normal Environmental Sample #1	1060
ST-229	KAFB-229-04-1416	011A	0354420007SA	940522J	Normal Environmental Sample #1	1064
ST-229	KAFB-229-04-1416	011A	P273068	26069	Normal Environmental Sample #1	1067
ST-229	KAFB-229-04-1416	011A	P273068	26098	Normal Environmental Sample #1	1063
ST-229	KAFB-229-04-1416	011A	P273068	26116	Normal Environmental Sample #1	1061
ST-229	KAFB-229-04-1416	011A	P273068	26127	Normal Environmental Sample #1	1065
ST-229	KAFB-229-04-1416	011A	P273068	26127	Normal Environmental Sample #1	1066
ST-229	KAFB-229-04-1416	011A	P273068	26244	Normal Environmental Sample #1	1062
ST-229	KAFB-229-04-2123	011A	0354420008SA	035442	Normal Environmental Sample #1	1059
ST-229	KAFB-229-04-2123	011A	0354420008SA	9405186B	Normal Environmental Sample #1	1060
ST-229	KAFB-229-04-2123	011A	0354420008SA	940522J	Normal Environmental Sample #1	1064
ST-229	KAFB-229-04-2123	011A	P273069	26069	Normal Environmental Sample #1	1067
ST-229	KAFB-229-04-2123	011A	P273069	26098	Normal Environmental Sample #1	1063
ST-229	KAFB-229-04-2123	011A	P273069	26116	Normal Environmental Sample #1	1061

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ST-229	KAFB-229-04-2123	011A	P273069	26127	Normal Environmental Sample #1	1065
ST-229	KAFB-229-04-2123	011A	P273069	26127	Normal Environmental Sample #1	1066
ST-229	KAFB-229-04-2123	011A	P273069	26244	Normal Environmental Sample #1	1062
ST-229	KAFB-229-05-1416	011A	0354420009SA	035442	Normal Environmental Sample #1	1068
ST-229	KAFB-229-05-1416	011A	0354420009SA	9405186B	Normal Environmental Sample #1	1069
ST-229	KAFB-229-05-1416	011A	0354420009SA	940522J	Normal Environmental Sample #1	1073
ST-229	KAFB-229-05-1416	011A	P273070	26069	Normal Environmental Sample #1	1076
ST-229	KAFB-229-05-1416	011A	P273070	26098	Normal Environmental Sample #1	1072
ST-229	KAFB-229-05-1416	011A	P273070	26116	Normal Environmental Sample #1	1070
ST-229	KAFB-229-05-1416	011A	P273070	26127	Normal Environmental Sample #1	1074
ST-229	KAFB-229-05-1416	011A	P273070	26127	Normal Environmental Sample #1	1075
ST-229	KAFB-229-05-1416	011A	P273070	26244	Normal Environmental Sample #1	1071
ST-229	KAFB-229-05-2124	011A	0354420010MS	9405186B	Normal Environmental Sample #1	1069
ST-229	KAFB-229-05-2124	011A	0354420010MS	940520N	Normal Environmental Sample #1	1073
ST-229	KAFB-229-05-2124	011A	0354420010SA	035442	Normal Environmental Sample #1	1068
ST-229	KAFB-229-05-2124	011A	P273071	26069	Normal Environmental Sample #1	1076
ST-229	KAFB-229-05-2124	011A	P273071	26098	Normal Environmental Sample #1	1072
ST-229	KAFB-229-05-2124	011A	P273071	26116	Normal Environmental Sample #1	1070
ST-229	KAFB-229-05-2124	011A	P273071	26127	Normal Environmental Sample #1	1074
ST-229	KAFB-229-05-2124	011A	P273071	26127	Normal Environmental Sample #1	1075
ST-229	KAFB-229-05-2124	011A	P273071	26244	Normal Environmental Sample #1	1071
ST-229	KAFB-229-06-1416	011A	P278814	27326	Normal Environmental Sample #1	1079
ST-229	KAFB-229-06-2123	011A	P278815	27326	Normal Environmental Sample #1	1079
ST-229	KAFB-229-06-2830	011A	0366690007SA	036669	Normal Environmental Sample #1	1077
ST-229	KAFB-229-06-2830	011A	0366690007SA	940714J	Normal Environmental Sample #1	1078
ST-229	KAFB-229-06-2830	011A	P278816	27326	Normal Environmental Sample #1	1079
ST-229	KAFB-229-99-1416	011A	P278814	27326	Field Replicate #1	1079
ST-229	KAFB-229-99-1418	011A	0354020011SA	035402	Field Replicate #1	1032
ST-229	KAFB-229-99-1418	011A	0354020011SA	9405166K	Field Replicate #1	1033
ST-229	KAFB-229-99-1418	011A	0354020011SA	940522J	Field Replicate #1	1037
ST-229	KAFB-229-99-1418	011A	P272492	26304	Field Replicate #1	1035
ST-229	KAFB-229-99-1418	011A	P272492	26311	Field Replicate #1	1034
ST-229	KAFB-229-99-1418	011A	P272492	26330	Field Replicate #1	1038
ST-229	KAFB-229-99-1418	011A	P272492	26330	Field Replicate #1	1039
ST-229	KAFB-229-99-1418	011A	P272492	26331	Field Replicate #1	1036
ST-229	KAFB-229-99-1418	011A	P272492	26344	Field Replicate #1	1040
ST-229	KAFB-EB-229-051194	011A	0354020010EB	9405186A	Equipment Blank #1	1033
ST-229	KAFB-EB-229-051194	011A	0354020010EB	9405186A	Equipment Blank #1	1037
ST-229	KAFB-EB-229-051194	011A	0354020010EB	940522J	Equipment Blank #1	1037
ST-229	KAFB-EB-229-051194	011A	P272491	26280	Equipment Blank #1	1038
ST-229	KAFB-EB-229-051194	011A	P272491	26280	Equipment Blank #1	1039
ST-229	KAFB-EB-229-051194	011A	P272491	26281	Equipment Blank #1	1036
ST-229	KAFB-EB-229-051194	011A	P272491	26305	Equipment Blank #1	1035
ST-229	KAFB-EB-229-051194	011A	P272491	26517	Equipment Blank #1	1034
ST-229	KAFB-EB-229-051394	011A	0354420002EB	9405186A	Equipment Blank #1	1042
ST-229	KAFB-EB-229-051394	011A	0354420002EB	9405186A	Equipment Blank #1	1046
ST-229	KAFB-EB-229-051394	011A	0354420002EB	9405186A	Equipment Blank #1	1051
ST-229	KAFB-EB-229-051394	011A	0354420002EB	9405186A	Equipment Blank #1	1055
ST-229	KAFB-EB-229-051394	011A	0354420002EB	9405186A	Equipment Blank #1	1060
ST-229	KAFB-EB-229-051394	011A	0354420002EB	9405186A	Equipment Blank #1	1064
ST-229	KAFB-EB-229-051394	011A	0354420002EB	9405186A	Equipment Blank #1	1069
ST-229	KAFB-EB-229-051394	011A	0354420002EB	9405186A	Equipment Blank #1	1073

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ST-229	KAFB-EB-229-051394	011A	0354420002EB	940520N	Equipment Blank #1	1046
ST-229	KAFB-EB-229-051394	011A	0354420002EB	940520N	Equipment Blank #1	1055
ST-229	KAFB-EB-229-051394	011A	0354420002EB	940520N	Equipment Blank #1	1064
ST-229	KAFB-EB-229-051394	011A	0354420002EB	940520N	Equipment Blank #1	1073
ST-229	KAFB-EB-229-051394	011A	P273063	26057	Equipment Blank #1	1047
ST-229	KAFB-EB-229-051394	011A	P273063	26057	Equipment Blank #1	1048
ST-229	KAFB-EB-229-051394	011A	P273063	26057	Equipment Blank #1	1056
ST-229	KAFB-EB-229-051394	011A	P273063	26057	Equipment Blank #1	1057
ST-229	KAFB-EB-229-051394	011A	P273063	26057	Equipment Blank #1	1065
ST-229	KAFB-EB-229-051394	011A	P273063	26057	Equipment Blank #1	1066
ST-229	KAFB-EB-229-051394	011A	P273063	26057	Equipment Blank #1	1074
ST-229	KAFB-EB-229-051394	011A	P273063	26057	Equipment Blank #1	1075
ST-229	KAFB-EB-229-051394	011A	P273063	26058	Equipment Blank #1	1045
ST-229	KAFB-EB-229-051394	011A	P273063	26058	Equipment Blank #1	1054
ST-229	KAFB-EB-229-051394	011A	P273063	26058	Equipment Blank #1	1063
ST-229	KAFB-EB-229-051394	011A	P273063	26058	Equipment Blank #1	1072
ST-229	KAFB-EB-229-051394	011A	P273063	26064	Equipment Blank #1	1043
ST-229	KAFB-EB-229-051394	011A	P273063	26064	Equipment Blank #1	1052
ST-229	KAFB-EB-229-051394	011A	P273063	26064	Equipment Blank #1	1061
ST-229	KAFB-EB-229-051394	011A	P273063	26064	Equipment Blank #1	1070
ST-229	KAFB-EB-229-051394	011A	P273063	26121	Equipment Blank #1	1044
ST-229	KAFB-EB-229-051394	011A	P273063	26121	Equipment Blank #1	1053
ST-229	KAFB-EB-229-051394	011A	P273063	26121	Equipment Blank #1	1062
ST-229	KAFB-EB-229-051394	011A	P273063	26121	Equipment Blank #1	1071
ST-229	KAFB-EB-264-070594	011A	0366690002EB	940713J	Equipment Blank #1	1078
ST-229	KAFB-EB-264-070594	011A	P278808	27300	Equipment Blank #1	1079
ST-229	KAFB-TB-01-051194	011A	0354020009TB	9405186A	Trip Blank #1	1033
ST-229	KAFB-TB-01-051194	011A	0354020009TB	9405186A	Trip Blank #1	1037
ST-229	KAFB-TB-01-051194	011A	0354020009TB	940522J	Trip Blank #1	1037
ST-229	KAFB-TB-01-051394	011A	0354420001TB	9405186A	Trip Blank #1	1042
ST-229	KAFB-TB-01-051394	011A	0354420001TB	9405186A	Trip Blank #1	1046
ST-229	KAFB-TB-01-051394	011A	0354420001TB	9405186A	Trip Blank #1	1051
ST-229	KAFB-TB-01-051394	011A	0354420001TB	9405186A	Trip Blank #1	1055
ST-229	KAFB-TB-01-051394	011A	0354420001TB	9405186A	Trip Blank #1	1060
ST-229	KAFB-TB-01-051394	011A	0354420001TB	9405186A	Trip Blank #1	1064
ST-229	KAFB-TB-01-051394	011A	0354420001TB	9405186A	Trip Blank #1	1069
ST-229	KAFB-TB-01-051394	011A	0354420001TB	9405186A	Trip Blank #1	1073
ST-229	KAFB-TB-01-051394	011A	0354420001TB	940520N	Trip Blank #1	1046
ST-229	KAFB-TB-01-051394	011A	0354420001TB	940520N	Trip Blank #1	1055
ST-229	KAFB-TB-01-051394	011A	0354420001TB	940520N	Trip Blank #1	1064
ST-229	KAFB-TB-01-051394	011A	0354420001TB	940520N	Trip Blank #1	1073
ST-229	KAFB-TB-01-070594	011A	0366690001TB	940713J	Trip Blank #1	1078
ST-230	KAFB-230-01-0509	011A	1051570011SA	940413BX	Normal Environmental Sample #1	1086
ST-230	KAFB-230-01-0509	011A	1051570011SA	940420NX	Normal Environmental Sample #1	1080
ST-230	KAFB-230-01-0509	011A	P268562	25032	Normal Environmental Sample #1	1092
ST-230	KAFB-230-01-0509	011A	P268562	25117	Normal Environmental Sample #1	1085
ST-230	KAFB-230-01-0509	011A	P268562	25118	Normal Environmental Sample #1	1088
ST-230	KAFB-230-01-0509	011A	P268562	25118	Normal Environmental Sample #1	1089
ST-230	KAFB-230-01-0509	011A	P268562	25203	Normal Environmental Sample #1	1081
ST-230	KAFB-230-01-0509	011A	P268562	25239	Normal Environmental Sample #1	1083
ST-230	KAFB-230-01-0509	011A	P268562	26042	Normal Environmental Sample #1	1084
ST-230	KAFB-230-01-1012	011A	1051570013FR	940420NX	Normal Environmental Sample #1	1080

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ST-230	KAFB-230-01-1012	011A	P268564	25032	Normal Environmental Sample #1	1092
ST-230	KAFB-230-01-1012	011A	P268564	25117	Normal Environmental Sample #1	1085
ST-230	KAFB-230-01-1012	011A	P268564	25118	Normal Environmental Sample #1	1088
ST-230	KAFB-230-01-1012	011A	P268564	25118	Normal Environmental Sample #1	1089
ST-230	KAFB-230-01-1012	011A	P268564	25203	Normal Environmental Sample #1	1081
ST-230	KAFB-230-01-1012	011A	P268564	25239	Normal Environmental Sample #1	1083
ST-230	KAFB-230-01-1012	011A	P268564	26042	Normal Environmental Sample #1	1084
ST-230	KAFB-230-01-2022	011A	1051570014SA	940413BX	Normal Environmental Sample #1	1086
ST-230	KAFB-230-01-2022	011A	1051570014SA	940413BX	Normal Environmental Sample #1	1087
ST-230	KAFB-230-01-2022	011A	1051570014SA	940420NX	Normal Environmental Sample #1	1080
ST-230	KAFB-230-01-2022	011A	P268565	25032	Normal Environmental Sample #1	1092
ST-230	KAFB-230-01-2022	011A	P268565	25117	Normal Environmental Sample #1	1085
ST-230	KAFB-230-01-2022	011A	P268565	25118	Normal Environmental Sample #1	1089
ST-230	KAFB-230-01-2022	011A	P268565	25118	Normal Environmental Sample #1	1090
ST-230	KAFB-230-01-2022	011A	P268565	25118	Normal Environmental Sample #1	1091
ST-230	KAFB-230-01-2022	011A	P268565	25203	Normal Environmental Sample #1	1081
ST-230	KAFB-230-01-2022	011A	P268565	25203	Normal Environmental Sample #1	1082
ST-230	KAFB-230-01-2022	011A	P268565	25239	Normal Environmental Sample #1	1083
ST-230	KAFB-230-01-2022	011A	P268565	26042	Normal Environmental Sample #1	1084
ST-230	KAFB-230-02-0507	011A	1051570015SA	940413BX	Normal Environmental Sample #1	1098
ST-230	KAFB-230-02-0507	011A	1051570015SA	940420NX	Normal Environmental Sample #1	1093
ST-230	KAFB-230-02-0507	011A	P268566	25032	Normal Environmental Sample #1	1101
ST-230	KAFB-230-02-0507	011A	P268566	25117	Normal Environmental Sample #1	1097
ST-230	KAFB-230-02-0507	011A	P268566	25118	Normal Environmental Sample #1	1099
ST-230	KAFB-230-02-0507	011A	P268566	25118	Normal Environmental Sample #1	1100
ST-230	KAFB-230-02-0507	011A	P268566	25203	Normal Environmental Sample #1	1094
ST-230	KAFB-230-02-0507	011A	P268566	25239	Normal Environmental Sample #1	1095
ST-230	KAFB-230-02-0507	011A	P268566	26042	Normal Environmental Sample #1	1096
ST-230	KAFB-230-02-1014	011A	1051570016SA	940413BX	Normal Environmental Sample #1	1098
ST-230	KAFB-230-02-1014	011A	1051570016SA	940420NX	Normal Environmental Sample #1	1093
ST-230	KAFB-230-02-1014	011A	P268567	25032	Normal Environmental Sample #1	1101
ST-230	KAFB-230-02-1014	011A	P268567	25117	Normal Environmental Sample #1	1097
ST-230	KAFB-230-02-1014	011A	P268567	25118	Normal Environmental Sample #1	1099
ST-230	KAFB-230-02-1014	011A	P268567	25118	Normal Environmental Sample #1	1100
ST-230	KAFB-230-02-1014	011A	P268567	25203	Normal Environmental Sample #1	1094
ST-230	KAFB-230-02-1014	011A	P268567	25239	Normal Environmental Sample #1	1095
ST-230	KAFB-230-02-1014	011A	P268567	26042	Normal Environmental Sample #1	1096
ST-230	KAFB-230-02-2022	011A	1051570017SA	940413BX	Normal Environmental Sample #1	1098
ST-230	KAFB-230-02-2022	011A	1051570017SA	940420NX	Normal Environmental Sample #1	1093
ST-230	KAFB-230-02-2022	011A	P268568	25032	Normal Environmental Sample #1	1101
ST-230	KAFB-230-02-2022	011A	P268568	25117	Normal Environmental Sample #1	1097
ST-230	KAFB-230-02-2022	011A	P268568	25118	Normal Environmental Sample #1	1099
ST-230	KAFB-230-02-2022	011A	P268568	25118	Normal Environmental Sample #1	1100
ST-230	KAFB-230-02-2022	011A	P268568	25203	Normal Environmental Sample #1	1094
ST-230	KAFB-230-02-2022	011A	P268568	25239	Normal Environmental Sample #1	1095
ST-230	KAFB-230-02-2022	011A	P268568	26042	Normal Environmental Sample #1	1096
ST-230	KAFB-230-99-0509	011A	1051570011SA	940413BX	Field Replicate #1	1086
ST-230	KAFB-230-99-0509	011A	1051570011SA	940420NX	Field Replicate #1	1080
ST-230	KAFB-230-99-0509	011A	P268562	25032	Field Replicate #1	1092
ST-230	KAFB-230-99-0509	011A	P268562	25117	Field Replicate #1	1085
ST-230	KAFB-230-99-0509	011A	P268562	25118	Field Replicate #1	1088
ST-230	KAFB-230-99-0509	011A	P268562	25118	Field Replicate #1	1089

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Site	Field ID	Fld Lot	Lab ID	Lab Lot	Sample Description	Page
ST-230	KAFB-230-99-0509	011A	P268562	25203	Field Replicate #1	1081
ST-230	KAFB-230-99-0509	011A	P268562	25239	Field Replicate #1	1083
ST-230	KAFB-230-99-0509	011A	P268562	26042	Field Replicate #1	1084
ST-230	KAFB-EB-230-033194	011A	1051570024EB	940413AFX	Equipment Blank #1	1086
ST-230	KAFB-EB-230-033194	011A	1051570024EB	940413AFX	Equipment Blank #1	1087
ST-230	KAFB-EB-230-033194	011A	1051570024EB	940413AFX	Equipment Blank #1	1098
ST-230	KAFB-EB-230-033194	011A	P268560	24976	Equipment Blank #1	1088
ST-230	KAFB-EB-230-033194	011A	P268560	24976	Equipment Blank #1	1089
ST-230	KAFB-EB-230-033194	011A	P268560	24976	Equipment Blank #1	1090
ST-230	KAFB-EB-230-033194	011A	P268560	24976	Equipment Blank #1	1091
ST-230	KAFB-EB-230-033194	011A	P268560	24976	Equipment Blank #1	1099
ST-230	KAFB-EB-230-033194	011A	P268560	24976	Equipment Blank #1	1100
ST-230	KAFB-EB-230-033194	011A	P268560	24979	Equipment Blank #1	1085
ST-230	KAFB-EB-230-033194	011A	P268560	24979	Equipment Blank #1	1097
ST-230	KAFB-EB-230-033194	011A	P268560	25108	Equipment Blank #1	1083
ST-230	KAFB-EB-230-033194	011A	P268560	25108	Equipment Blank #1	1095
ST-230	KAFB-EB-230-033194	011A	P268560	25135	Equipment Blank #1	1081
ST-230	KAFB-EB-230-033194	011A	P268560	25135	Equipment Blank #1	1082
ST-230	KAFB-EB-230-033194	011A	P268560	25135	Equipment Blank #1	1094
ST-230	KAFB-EB-230-033194	011A	P268560	26043	Equipment Blank #1	1084
ST-230	KAFB-EB-230-033194	011A	P268560	26043	Equipment Blank #1	1096
ST-230	KAFB-TB-01-033194	011A	1051570026TB	940413AFX	Trip Blank #1	1086
ST-230	KAFB-TB-01-033194	011A	1051570026TB	940413AFX	Trip Blank #1	1087
ST-230	KAFB-TB-01-033194	011A	1051570026TB	940413AFX	Trip Blank #1	1098
ST-231	KAFB-231-01-0810	011A	1051570018SA	940413BX	Normal Environmental Sample #1	1107
ST-231	KAFB-231-01-0810	011A	1051570018SA	940420NX	Normal Environmental Sample #1	1102
ST-231	KAFB-231-01-0810	011A	P268569	25032	Normal Environmental Sample #1	1110
ST-231	KAFB-231-01-0810	011A	P268569	25117	Normal Environmental Sample #1	1106
ST-231	KAFB-231-01-0810	011A	P268569	25118	Normal Environmental Sample #1	1108
ST-231	KAFB-231-01-0810	011A	P268569	25118	Normal Environmental Sample #1	1109
ST-231	KAFB-231-01-0810	011A	P268569	25203	Normal Environmental Sample #1	1103
ST-231	KAFB-231-01-0810	011A	P268569	25239	Normal Environmental Sample #1	1104
ST-231	KAFB-231-01-0810	011A	P268569	26151	Normal Environmental Sample #1	1105
ST-231	KAFB-231-01-1315	011A	1051570019SA	940413BX	Normal Environmental Sample #1	1107
ST-231	KAFB-231-01-1315	011A	1051570019SA	940420NX	Normal Environmental Sample #1	1102
ST-231	KAFB-231-01-1315	011A	P268570	25032	Normal Environmental Sample #1	1110
ST-231	KAFB-231-01-1315	011A	P268570	25117	Normal Environmental Sample #1	1106
ST-231	KAFB-231-01-1315	011A	P268570	25118	Normal Environmental Sample #1	1108
ST-231	KAFB-231-01-1315	011A	P268570	25118	Normal Environmental Sample #1	1109
ST-231	KAFB-231-01-1315	011A	P268570	25203	Normal Environmental Sample #1	1103
ST-231	KAFB-231-01-1315	011A	P268570	25239	Normal Environmental Sample #1	1104
ST-231	KAFB-231-01-1315	011A	P268570	26150	Normal Environmental Sample #1	1105
ST-231	KAFB-231-02-0711	011A	1051570020SA	940413BX	Normal Environmental Sample #1	1116
ST-231	KAFB-231-02-0711	011A	1051570022FR	940420MX	Normal Environmental Sample #1	1111
ST-231	KAFB-231-02-0711	011A	P268571	25032	Normal Environmental Sample #1	1119
ST-231	KAFB-231-02-0711	011A	P268571	25117	Normal Environmental Sample #1	1115
ST-231	KAFB-231-02-0711	011A	P268571	25118	Normal Environmental Sample #1	1117
ST-231	KAFB-231-02-0711	011A	P268571	25118	Normal Environmental Sample #1	1118
ST-231	KAFB-231-02-0711	011A	P268571	25203	Normal Environmental Sample #1	1112
ST-231	KAFB-231-02-0711	011A	P268571	25239	Normal Environmental Sample #1	1113
ST-231	KAFB-231-02-0711	011A	P268571	26150	Normal Environmental Sample #1	1114
ST-231	KAFB-231-02-1317	011A	1051570021DU	940420MX	Normal Environmental Sample #1	1111

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ST-231	KAFB-231-02-1317	011A	1051570021MS	940413BX	Normal Environmental Sample #1	1116
ST-231	KAFB-231-02-1317	011A	P268572	25032	Normal Environmental Sample #1	1119
ST-231	KAFB-231-02-1317	011A	P268572	25117	Normal Environmental Sample #1	1115
ST-231	KAFB-231-02-1317	011A	P268572	25118	Normal Environmental Sample #1	1117
ST-231	KAFB-231-02-1317	011A	P268572	25118	Normal Environmental Sample #1	1118
ST-231	KAFB-231-02-1317	011A	P268572	25203	Normal Environmental Sample #1	1112
ST-231	KAFB-231-02-1317	011A	P268572	25240	Normal Environmental Sample #1	1113
ST-231	KAFB-231-02-1317	011A	P268572	26152	Normal Environmental Sample #1	1114
ST-231	KAFB-231-03-0812	111A	0347930001MS	940417D	Normal Environmental Sample #1	1125
ST-231	KAFB-231-03-0812	111A	0347930001SA	034793	Normal Environmental Sample #1	1120
ST-231	KAFB-231-03-0812	111A	P268710	25061	Normal Environmental Sample #1	1128
ST-231	KAFB-231-03-0812	111A	P268710	25124	Normal Environmental Sample #1	1124
ST-231	KAFB-231-03-0812	111A	P268710	25125	Normal Environmental Sample #1	1126
ST-231	KAFB-231-03-0812	111A	P268710	25125	Normal Environmental Sample #1	1127
ST-231	KAFB-231-03-0812	111A	P268710	25243	Normal Environmental Sample #1	1121
ST-231	KAFB-231-03-0812	111A	P268710	25402	Normal Environmental Sample #1	1122
ST-231	KAFB-231-03-0812	111A	P268710	26152	Normal Environmental Sample #1	1123
ST-231	KAFB-231-03-1315	111A	0347930002SA	034793	Normal Environmental Sample #1	1120
ST-231	KAFB-231-03-1315	111A	0347930002SA	940418D	Normal Environmental Sample #1	1125
ST-231	KAFB-231-03-1315	111A	P268711	25061	Normal Environmental Sample #1	1128
ST-231	KAFB-231-03-1315	111A	P268711	25124	Normal Environmental Sample #1	1124
ST-231	KAFB-231-03-1315	111A	P268711	25125	Normal Environmental Sample #1	1126
ST-231	KAFB-231-03-1315	111A	P268711	25125	Normal Environmental Sample #1	1127
ST-231	KAFB-231-03-1315	111A	P268711	25243	Normal Environmental Sample #1	1121
ST-231	KAFB-231-03-1315	111A	P268711	25402	Normal Environmental Sample #1	1122
ST-231	KAFB-231-03-1315	111A	P268711	26152	Normal Environmental Sample #1	1123
ST-231	KAFB-231-04-0811	111A	0347930008SA	034793	Normal Environmental Sample #1	1129
ST-231	KAFB-231-04-0811	111A	0347930008SA	940417D	Normal Environmental Sample #1	1134
ST-231	KAFB-231-04-0811	111A	P268712	25061	Normal Environmental Sample #1	1137
ST-231	KAFB-231-04-0811	111A	P268712	25124	Normal Environmental Sample #1	1133
ST-231	KAFB-231-04-0811	111A	P268712	25125	Normal Environmental Sample #1	1135
ST-231	KAFB-231-04-0811	111A	P268712	25125	Normal Environmental Sample #1	1136
ST-231	KAFB-231-04-0811	111A	P268712	25243	Normal Environmental Sample #1	1130
ST-231	KAFB-231-04-0811	111A	P268712	25402	Normal Environmental Sample #1	1131
ST-231	KAFB-231-04-0811	111A	P268712	26152	Normal Environmental Sample #1	1132
ST-231	KAFB-231-04-1315	111A	0347930007SA	034793	Normal Environmental Sample #1	1129
ST-231	KAFB-231-04-1315	111A	0347930007SA	940417D	Normal Environmental Sample #1	1134
ST-231	KAFB-231-04-1315	111A	P268714	25061	Normal Environmental Sample #1	1137
ST-231	KAFB-231-04-1315	111A	P268714	25124	Normal Environmental Sample #1	1133
ST-231	KAFB-231-04-1315	111A	P268714	25125	Normal Environmental Sample #1	1135
ST-231	KAFB-231-04-1315	111A	P268714	25125	Normal Environmental Sample #1	1136
ST-231	KAFB-231-04-1315	111A	P268714	25243	Normal Environmental Sample #1	1130
ST-231	KAFB-231-04-1315	111A	P268714	25402	Normal Environmental Sample #1	1131
ST-231	KAFB-231-04-1315	111A	P268714	26152	Normal Environmental Sample #1	1132
ST-231	KAFB-231-99-0711	011A	1051570020SA	940413BX	Field Replicate #1	1116
ST-231	KAFB-231-99-0711	011A	1051570022FR	940420MX	Field Replicate #1	1111
ST-231	KAFB-231-99-0711	011A	P268571	25032	Field Replicate #1	1119
ST-231	KAFB-231-99-0711	011A	P268571	25117	Field Replicate #1	1115
ST-231	KAFB-231-99-0711	011A	P268571	25118	Field Replicate #1	1117
ST-231	KAFB-231-99-0711	011A	P268571	25118	Field Replicate #1	1118
ST-231	KAFB-231-99-0711	011A	P268571	25203	Field Replicate #1	1112
ST-231	KAFB-231-99-0711	011A	P268571	25239	Field Replicate #1	1113

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Site	Field ID	Fld Lot	Lab ID	Lab Lot	Sample Description	Page
ST-231	KAFB-231-99-0711	011A	P268571	26150	Field Replicate #1	1114
ST-231	KAFB-AB-231-040494	111A	0347930018AB	940417D	Ambient Conditions Blank #1	1125
ST-231	KAFB-AB-231-040494	111A	0347930018AB	940417D	Ambient Conditions Blank #1	1134
ST-231	KAFB-EB-230-033194	011A	1051570024EB	940413AFX	Equipment Blank #1	1107
ST-231	KAFB-EB-230-033194	011A	1051570024EB	940413AFX	Equipment Blank #1	1116
ST-231	KAFB-EB-230-033194	011A	P268560	24976	Equipment Blank #1	1108
ST-231	KAFB-EB-230-033194	011A	P268560	24976	Equipment Blank #1	1109
ST-231	KAFB-EB-230-033194	011A	P268560	24976	Equipment Blank #1	1117
ST-231	KAFB-EB-230-033194	011A	P268560	24976	Equipment Blank #1	1118
ST-231	KAFB-EB-230-033194	011A	P268560	24979	Equipment Blank #1	1106
ST-231	KAFB-EB-230-033194	011A	P268560	24979	Equipment Blank #1	1115
ST-231	KAFB-EB-230-033194	011A	P268560	25108	Equipment Blank #1	1104
ST-231	KAFB-EB-230-033194	011A	P268560	25108	Equipment Blank #1	1113
ST-231	KAFB-EB-230-033194	011A	P268560	25135	Equipment Blank #1	1103
ST-231	KAFB-EB-230-033194	011A	P268560	25135	Equipment Blank #1	1112
ST-231	KAFB-EB-230-033194	011A	P268560	26043	Equipment Blank #1	1105
ST-231	KAFB-EB-230-033194	011A	P268560	26043	Equipment Blank #1	1114
ST-231	KAFB-EB-231-040494	111A	0347930020EB	940417D	Equipment Blank #1	1125
ST-231	KAFB-EB-231-040494	111A	0347930020EB	940417D	Equipment Blank #1	1134
ST-231	KAFB-EB-231-040494	111A	P268709	25071	Equipment Blank #1	1126
ST-231	KAFB-EB-231-040494	111A	P268709	25071	Equipment Blank #1	1127
ST-231	KAFB-EB-231-040494	111A	P268709	25071	Equipment Blank #1	1135
ST-231	KAFB-EB-231-040494	111A	P268709	25071	Equipment Blank #1	1136
ST-231	KAFB-EB-231-040494	111A	P268709	25108	Equipment Blank #1	1122
ST-231	KAFB-EB-231-040494	111A	P268709	25108	Equipment Blank #1	1131
ST-231	KAFB-EB-231-040494	111A	P268709	25135	Equipment Blank #1	1121
ST-231	KAFB-EB-231-040494	111A	P268709	25135	Equipment Blank #1	1130
ST-231	KAFB-EB-231-040494	111A	P268709	25431	Equipment Blank #1	1124
ST-231	KAFB-EB-231-040494	111A	P268709	25431	Equipment Blank #1	1133
ST-231	KAFB-EB-231-040494	111A	P268709	26153	Equipment Blank #1	1123
ST-231	KAFB-EB-231-040494	111A	P268709	26153	Equipment Blank #1	1132
ST-231	KAFB-TB-01-033194	011A	1051570026TB	940413AFX	Trip Blank #1	1107
ST-231	KAFB-TB-01-033194	011A	1051570026TB	940413AFX	Trip Blank #1	1116
ST-231	KAFB-TB-01-040494	111A	0347930019TB	940417D	Trip Blank #1	1125
ST-231	KAFB-TB-01-040494	111A	0347930019TB	940417D	Trip Blank #1	1134
ST-232	KAFB-232-01-0811	011A	0347930003SA	034793	Normal Environmental Sample #1	1138
ST-232	KAFB-232-01-0811	011A	0347930003SA	940417D	Normal Environmental Sample #1	1143
ST-232	KAFB-232-01-0811	011A	P268713	25061	Normal Environmental Sample #1	1146
ST-232	KAFB-232-01-0811	011A	P268713	25124	Normal Environmental Sample #1	1142
ST-232	KAFB-232-01-0811	011A	P268713	25125	Normal Environmental Sample #1	1144
ST-232	KAFB-232-01-0811	011A	P268713	25125	Normal Environmental Sample #1	1145
ST-232	KAFB-232-01-0811	011A	P268713	25243	Normal Environmental Sample #1	1139
ST-232	KAFB-232-01-0811	011A	P268713	25402	Normal Environmental Sample #1	1140
ST-232	KAFB-232-01-0811	011A	P268713	26041	Normal Environmental Sample #1	1141
ST-232	KAFB-232-01-1315	011A	0347930004SA	034793	Normal Environmental Sample #1	1138
ST-232	KAFB-232-01-1315	011A	0347930004SA	940417D	Normal Environmental Sample #1	1143
ST-232	KAFB-232-01-1315	011A	P268715	25061	Normal Environmental Sample #1	1146
ST-232	KAFB-232-01-1315	011A	P268715	25124	Normal Environmental Sample #1	1142
ST-232	KAFB-232-01-1315	011A	P268715	25125	Normal Environmental Sample #1	1144
ST-232	KAFB-232-01-1315	011A	P268715	25125	Normal Environmental Sample #1	1145
ST-232	KAFB-232-01-1315	011A	P268715	25243	Normal Environmental Sample #1	1139
ST-232	KAFB-232-01-1315	011A	P268715	25402	Normal Environmental Sample #1	1140

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ST-232	KAFB-232-01-1315	011A	P268715	26041	Normal Environmental Sample #1	1141
ST-232	KAFB-232-02-0812	011A	0347930006SA	034793	Normal Environmental Sample #1	1147
ST-232	KAFB-232-02-0812	011A	0347930006SA	940418D	Normal Environmental Sample #1	1152
ST-232	KAFB-232-02-0812	011A	P268716	25061	Normal Environmental Sample #1	1155
ST-232	KAFB-232-02-0812	011A	P268716	25124	Normal Environmental Sample #1	1151
ST-232	KAFB-232-02-0812	011A	P268716	25125	Normal Environmental Sample #1	1153
ST-232	KAFB-232-02-0812	011A	P268716	25125	Normal Environmental Sample #1	1154
ST-232	KAFB-232-02-0812	011A	P268716	25243	Normal Environmental Sample #1	1148
ST-232	KAFB-232-02-0812	011A	P268716	25402	Normal Environmental Sample #1	1149
ST-232	KAFB-232-02-0812	011A	P268716	26041	Normal Environmental Sample #1	1150
ST-232	KAFB-232-02-1316	011A	0347930005SA	034793	Normal Environmental Sample #1	1147
ST-232	KAFB-232-02-1316	011A	0347930005SA	940417D	Normal Environmental Sample #1	1152
ST-232	KAFB-232-02-1316	011A	P268717	25061	Normal Environmental Sample #1	1155
ST-232	KAFB-232-02-1316	011A	P268717	25124	Normal Environmental Sample #1	1151
ST-232	KAFB-232-02-1316	011A	P268717	25125	Normal Environmental Sample #1	1153
ST-232	KAFB-232-02-1316	011A	P268717	25125	Normal Environmental Sample #1	1154
ST-232	KAFB-232-02-1316	011A	P268717	25243	Normal Environmental Sample #1	1148
ST-232	KAFB-232-02-1316	011A	P268717	25402	Normal Environmental Sample #1	1149
ST-232	KAFB-232-02-1316	011A	P268717	26041	Normal Environmental Sample #1	1150
ST-232	KAFB-AB-231-040494	011A	0347930018AB	940417D	Ambient Conditions Blank #1	1143
ST-232	KAFB-AB-231-040494	011A	0347930018AB	940417D	Ambient Conditions Blank #1	1152
ST-232	KAFB-EB-231-040494	011A	0347930020EB	940417D	Equipment Blank #1	1143
ST-232	KAFB-EB-231-040494	011A	0347930020EB	940417D	Equipment Blank #1	1152
ST-232	KAFB-EB-231-040494	011A	P268709	25071	Equipment Blank #1	1144
ST-232	KAFB-EB-231-040494	011A	P268709	25071	Equipment Blank #1	1145
ST-232	KAFB-EB-231-040494	011A	P268709	25071	Equipment Blank #1	1153
ST-232	KAFB-EB-231-040494	011A	P268709	25071	Equipment Blank #1	1154
ST-232	KAFB-EB-231-040494	011A	P268709	25108	Equipment Blank #1	1140
ST-232	KAFB-EB-231-040494	011A	P268709	25108	Equipment Blank #1	1149
ST-232	KAFB-EB-231-040494	011A	P268709	25135	Equipment Blank #1	1139
ST-232	KAFB-EB-231-040494	011A	P268709	25135	Equipment Blank #1	1148
ST-232	KAFB-EB-231-040494	011A	P268709	25431	Equipment Blank #1	1142
ST-232	KAFB-EB-231-040494	011A	P268709	25431	Equipment Blank #1	1151
ST-232	KAFB-EB-231-040494	011A	P268709	26153	Equipment Blank #1	1141
ST-232	KAFB-EB-231-040494	011A	P268709	26153	Equipment Blank #1	1150
ST-232	KAFB-TB-01-040494	011A	0347930019TB	940417D	Trip Blank #1	1143
ST-232	KAFB-TB-01-040494	011A	0347930019TB	940417D	Trip Blank #1	1152
ST-233	KAFB-233-01-0811	011A	1051570007SA	940413AX	Normal Environmental Sample #1	1161
ST-233	KAFB-233-01-0811	011A	1051570007SA	940420NX	Normal Environmental Sample #1	1156
ST-233	KAFB-233-01-0811	011A	P268459	24966	Normal Environmental Sample #1	1164
ST-233	KAFB-233-01-0811	011A	P268459	25051	Normal Environmental Sample #1	1162
ST-233	KAFB-233-01-0811	011A	P268459	25051	Normal Environmental Sample #1	1163
ST-233	KAFB-233-01-0811	011A	P268459	25102	Normal Environmental Sample #1	1160
ST-233	KAFB-233-01-0811	011A	P268459	25203	Normal Environmental Sample #1	1157
ST-233	KAFB-233-01-0811	011A	P268459	25239	Normal Environmental Sample #1	1158
ST-233	KAFB-233-01-0811	011A	P268459	26030	Normal Environmental Sample #1	1159
ST-233	KAFB-233-01-1519	011A	1051570008SA	940413AX	Normal Environmental Sample #1	1161
ST-233	KAFB-233-01-1519	011A	1051570008SA	940420NX	Normal Environmental Sample #1	1156
ST-233	KAFB-233-01-1519	011A	P268460	24966	Normal Environmental Sample #1	1164
ST-233	KAFB-233-01-1519	011A	P268460	25051	Normal Environmental Sample #1	1162
ST-233	KAFB-233-01-1519	011A	P268460	25051	Normal Environmental Sample #1	1163
ST-233	KAFB-233-01-1519	011A	P268460	25102	Normal Environmental Sample #1	1160

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ST-233	KAFB-233-01-1519	011A	P268460	25203	Normal Environmental Sample #1	1157
ST-233	KAFB-233-01-1519	011A	P268460	25239	Normal Environmental Sample #1	1158
ST-233	KAFB-233-01-1519	011A	P268460	26031	Normal Environmental Sample #1	1159
ST-233	KAFB-233-02-0001	011A	1051570009SA	940413AX	Normal Environmental Sample #1	1170
ST-233	KAFB-233-02-0001	011A	1051570009SA	940420NX	Normal Environmental Sample #1	1165
ST-233	KAFB-233-02-0001	011A	P268461	24966	Normal Environmental Sample #1	1173
ST-233	KAFB-233-02-0001	011A	P268461	25051	Normal Environmental Sample #1	1171
ST-233	KAFB-233-02-0001	011A	P268461	25051	Normal Environmental Sample #1	1172
ST-233	KAFB-233-02-0001	011A	P268461	25102	Normal Environmental Sample #1	1169
ST-233	KAFB-233-02-0001	011A	P268461	25203	Normal Environmental Sample #1	1166
ST-233	KAFB-233-02-0001	011A	P268461	25239	Normal Environmental Sample #1	1167
ST-233	KAFB-233-02-0001	011A	P268461	26031	Normal Environmental Sample #1	1168
ST-233	KAFB-EB-227-033094	011A	1051570010EB	940413AFX	Equipment Blank #1	1161
ST-233	KAFB-EB-227-033094	011A	1051570010EB	940413AFX	Equipment Blank #1	1170
ST-233	KAFB-EB-227-033094,	011A	P268451	24941	Equipment Blank #1	1162
ST-233	KAFB-EB-227-033094	011A	P268451	24941	Equipment Blank #1	1163
ST-233	KAFB-EB-227-033094	011A	P268451	24941	Equipment Blank #1	1171
ST-233	KAFB-EB-227-033094	011A	P268451	24941	Equipment Blank #1	1172
ST-233	KAFB-EB-227-033094	011A	P268451	24945	Equipment Blank #1	1160
ST-233	KAFB-EB-227-033094	011A	P268451	24945	Equipment Blank #1	1169
ST-233	KAFB-EB-227-033094	011A	P268451	25108	Equipment Blank #1	1158
ST-233	KAFB-EB-227-033094	011A	P268451	25108	Equipment Blank #1	1167
ST-233	KAFB-EB-227-033094	011A	P268451	25135	Equipment Blank #1	1157
ST-233	KAFB-EB-227-033094	011A	P268451	25135	Equipment Blank #1	1166
ST-233	KAFB-EB-227-033094	011A	P268451	26046	Equipment Blank #1	1159
ST-233	KAFB-EB-227-033094	011A	P268451	26046	Equipment Blank #1	1168
ST-233	KAFB-TB-01-033094	011A	1051570025TB	940413AFX	Trip Blank #1	1161
ST-233	KAFB-TB-01-033094	011A	1051570025TB	940413AFX	Trip Blank #1	1170
ST-234	KAFB-234-01-0810	011A	0355510003SA	035551	Normal Environmental Sample #1	1174
ST-234	KAFB-234-01-0810	011A	0355510003SA	9405241L	Normal Environmental Sample #1	1175
ST-234	KAFB-234-01-0810	011A	0355510003SA	940601J	Normal Environmental Sample #1	1179
ST-234	KAFB-234-01-0810	011A	P273341	26311	Normal Environmental Sample #1	1176
ST-234	KAFB-234-01-0810	011A	P273341	26344	Normal Environmental Sample #1	1182
ST-234	KAFB-234-01-0810	011A	P273341	26359	Normal Environmental Sample #1	1180
ST-234	KAFB-234-01-0810	011A	P273341	26359	Normal Environmental Sample #1	1181
ST-234	KAFB-234-01-0810	011A	P273341	26360	Normal Environmental Sample #1	1178
ST-234	KAFB-234-01-0810	011A	P273341	26438	Normal Environmental Sample #1	1177
ST-234	KAFB-234-01-1315	011A	0355510004SA	035551	Normal Environmental Sample #1	1174
ST-234	KAFB-234-01-1315	011A	0355510004SA	9405241L	Normal Environmental Sample #1	1175
ST-234	KAFB-234-01-1315	011A	0355510004SA	940601J	Normal Environmental Sample #1	1179
ST-234	KAFB-234-01-1315	011A	P273342	26311	Normal Environmental Sample #1	1176
ST-234	KAFB-234-01-1315	011A	P273342	26344	Normal Environmental Sample #1	1182
ST-234	KAFB-234-01-1315	011A	P273342	26359	Normal Environmental Sample #1	1180
ST-234	KAFB-234-01-1315	011A	P273342	26359	Normal Environmental Sample #1	1181
ST-234	KAFB-234-01-1315	011A	P273342	26360	Normal Environmental Sample #1	1178
ST-234	KAFB-234-01-1315	011A	P273342	26438	Normal Environmental Sample #1	1177
ST-234	KAFB-234-02-0811	011A	0355510005SA	035551	Normal Environmental Sample #1	1183
ST-234	KAFB-234-02-0811	011A	0355510005SA	9405241L	Normal Environmental Sample #1	1184
ST-234	KAFB-234-02-0811	011A	0355510005SA	940601J	Normal Environmental Sample #1	1188
ST-234	KAFB-234-02-0811	011A	P273343	26311	Normal Environmental Sample #1	1185
ST-234	KAFB-234-02-0811	011A	P273343	26344	Normal Environmental Sample #1	1191
ST-234	KAFB-234-02-0811	011A	P273343	26359	Normal Environmental Sample #1	1189

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ST-234	KAFB-234-02-0811	011A	P273343	26359	Normal Environmental Sample #1	1190
ST-234	KAFB-234-02-0811	011A	P273343	26360	Normal Environmental Sample #1	1187
ST-234	KAFB-234-02-0811	011A	P273343	26438	Normal Environmental Sample #1	1186
ST-234	KAFB-234-02-1316	011A	0355510006SA	035551	Normal Environmental Sample #1	1183
ST-234	KAFB-234-02-1316	011A	0355510006SA	9405241L	Normal Environmental Sample #1	1184
ST-234	KAFB-234-02-1316	011A	0355510006SA	940601J	Normal Environmental Sample #1	1188
ST-234	KAFB-234-02-1316	011A	P273344	26311	Normal Environmental Sample #1	1185
ST-234	KAFB-234-02-1316	011A	P273344	26344	Normal Environmental Sample #1	1191
ST-234	KAFB-234-02-1316	011A	P273344	26359	Normal Environmental Sample #1	1189
ST-234	KAFB-234-02-1316	011A	P273344	26359	Normal Environmental Sample #1	1190
ST-234	KAFB-234-02-1316	011A	P273344	26360	Normal Environmental Sample #1	1187
ST-234	KAFB-234-02-1316	011A	P273344	26438	Normal Environmental Sample #1	1186
ST-234	KAFB-234-03-0811	011A	0355510007SA	035551	Normal Environmental Sample #1	1192
ST-234	KAFB-234-03-0811	011A	0355510007SA	9405241L	Normal Environmental Sample #1	1193
ST-234	KAFB-234-03-0811	011A	0355510007SA	940601J	Normal Environmental Sample #1	1197
ST-234	KAFB-234-03-0811	011A	P273345	26311	Normal Environmental Sample #1	1194
ST-234	KAFB-234-03-0811	011A	P273345	26344	Normal Environmental Sample #1	1200
ST-234	KAFB-234-03-0811	011A	P273345	26359	Normal Environmental Sample #1	1198
ST-234	KAFB-234-03-0811	011A	P273345	26359	Normal Environmental Sample #1	1199
ST-234	KAFB-234-03-0811	011A	P273345	26360	Normal Environmental Sample #1	1196
ST-234	KAFB-234-03-0811	011A	P273345	26438	Normal Environmental Sample #1	1195
ST-234	KAFB-234-03-1315	011A	0355510008SA	035551	Normal Environmental Sample #1	1192
ST-234	KAFB-234-03-1315	011A	0355510008SA	9405241L	Normal Environmental Sample #1	1193
ST-234	KAFB-234-03-1315	011A	0355510008SA	940601J	Normal Environmental Sample #1	1197
ST-234	KAFB-234-03-1315	011A	P273346	26311	Normal Environmental Sample #1	1194
ST-234	KAFB-234-03-1315	011A	P273346	26344	Normal Environmental Sample #1	1200
ST-234	KAFB-234-03-1315	011A	P273346	26359	Normal Environmental Sample #1	1198
ST-234	KAFB-234-03-1315	011A	P273346	26359	Normal Environmental Sample #1	1199
ST-234	KAFB-234-03-1315	011A	P273346	26360	Normal Environmental Sample #1	1196
ST-234	KAFB-234-03-1315	011A	P273346	26438	Normal Environmental Sample #1	1195
ST-234	KAFB-234-04-0814	011A	0355510009SA	035551	Normal Environmental Sample #1	1201
ST-234	KAFB-234-04-0814	011A	0355510009SA	9405241L	Normal Environmental Sample #1	1202
ST-234	KAFB-234-04-0814	011A	0355510009SA	940601J	Normal Environmental Sample #1	1206
ST-234	KAFB-234-04-0814	011A	P273347	26311	Normal Environmental Sample #1	1203
ST-234	KAFB-234-04-0814	011A	P273347	26344	Normal Environmental Sample #1	1209
ST-234	KAFB-234-04-0814	011A	P273347	26359	Normal Environmental Sample #1	1207
ST-234	KAFB-234-04-0814	011A	P273347	26359	Normal Environmental Sample #1	1208
ST-234	KAFB-234-04-0814	011A	P273347	26360	Normal Environmental Sample #1	1205
ST-234	KAFB-234-04-0814	011A	P273347	26438	Normal Environmental Sample #1	1204
ST-234	KAFB-234-04-1419	011A	0355510011MS	9405241L	Normal Environmental Sample #1	1202
ST-234	KAFB-234-04-1419	011A	0355510011MS	940601J	Normal Environmental Sample #1	1206
ST-234	KAFB-234-04-1419	011A	0355510011SA	035551	Normal Environmental Sample #1	1201
ST-234	KAFB-234-04-1419	011A	P273349	26344	Normal Environmental Sample #1	1209
ST-234	KAFB-234-04-1419	011A	P273349	26359	Normal Environmental Sample #1	1207
ST-234	KAFB-234-04-1419	011A	P273349	26359	Normal Environmental Sample #1	1208
ST-234	KAFB-234-04-1419	011A	P273349	26360	Normal Environmental Sample #1	1205
ST-234	KAFB-234-04-1419	011A	P273349	26381	Normal Environmental Sample #1	1203
ST-234	KAFB-234-04-1419	011A	P273349	26438	Normal Environmental Sample #1	1204
ST-234	KAFB-234-05-0812	011A	0355510012SA	035551	Normal Environmental Sample #1	1210
ST-234	KAFB-234-05-0812	011A	0355510012SA	9405241L	Normal Environmental Sample #1	1211
ST-234	KAFB-234-05-0812	011A	0355510012SA	940602J	Normal Environmental Sample #1	1215
ST-234	KAFB-234-05-0812	011A	P273350	26344	Normal Environmental Sample #1	1218

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ST-234	KAFB-234-05-0812	011A	P273350	26359	Normal Environmental Sample #1	1216
ST-234	KAFB-234-05-0812	011A	P273350	26359	Normal Environmental Sample #1	1217
ST-234	KAFB-234-05-0812	011A	P273350	26360	Normal Environmental Sample #1	1214
ST-234	KAFB-234-05-0812	011A	P273350	26381	Normal Environmental Sample #1	1212
ST-234	KAFB-234-05-0812	011A	P273350	26438	Normal Environmental Sample #1	1213
ST-234	KAFB-234-05-1315	011A	0355510013SA	035551	Normal Environmental Sample #1	1210
ST-234	KAFB-234-05-1315	011A	0355510013SA	9405241L	Normal Environmental Sample #1	1211
ST-234	KAFB-234-05-1315	011A	0355510013SA	940602J	Normal Environmental Sample #1	1215
ST-234	KAFB-234-05-1315	011A	P273351	26344	Normal Environmental Sample #1	1218
ST-234	KAFB-234-05-1315	011A	P273351	26359	Normal Environmental Sample #1	1216
ST-234	KAFB-234-05-1315	011A	P273351	26359	Normal Environmental Sample #1	1217
ST-234	KAFB-234-05-1315	011A	P273351	26360	Normal Environmental Sample #1	1214
ST-234	KAFB-234-05-1315	011A	P273351	26381	Normal Environmental Sample #1	1212
ST-234	KAFB-234-05-1315	011A	P273351	26438	Normal Environmental Sample #1	1213
ST-234	KAFB-234-99-0814	011A	0355510009SA	035551	Field Replicate #1	1201
ST-234	KAFB-234-99-0814	011A	0355510009SA	9405241L	Field Replicate #1	1202
ST-234	KAFB-234-99-0814	011A	0355510009SA	940601J	Field Replicate #1	1206
ST-234	KAFB-234-99-0814	011A	P273347	26311	Field Replicate #1	1203
ST-234	KAFB-234-99-0814	011A	P273347	26344	Field Replicate #1	1209
ST-234	KAFB-234-99-0814	011A	P273347	26359	Field Replicate #1	1207
ST-234	KAFB-234-99-0814	011A	P273347	26359	Field Replicate #1	1208
ST-234	KAFB-234-99-0814	011A	P273347	26360	Field Replicate #1	1205
ST-234	KAFB-234-99-0814	011A	P273347	26438	Field Replicate #1	1204
ST-234	KAFB-EB-234-051894	011A	0355510002EB	9405261L	Equipment Blank #1	1175
ST-234	KAFB-EB-234-051894	011A	0355510002EB	9405261L	Equipment Blank #1	1179
ST-234	KAFB-EB-234-051894	011A	0355510002EB	9405261L	Equipment Blank #1	1184
ST-234	KAFB-EB-234-051894	011A	0355510002EB	9405261L	Equipment Blank #1	1188
ST-234	KAFB-EB-234-051894	011A	0355510002EB	9405261L	Equipment Blank #1	1193
ST-234	KAFB-EB-234-051894	011A	0355510002EB	9405261L	Equipment Blank #1	1197
ST-234	KAFB-EB-234-051894	011A	0355510002EB	9405261L	Equipment Blank #1	1202
ST-234	KAFB-EB-234-051894	011A	0355510002EB	9405261L	Equipment Blank #1	1206
ST-234	KAFB-EB-234-051894	011A	0355510002EB	9405261L	Equipment Blank #1	1211
ST-234	KAFB-EB-234-051894	011A	0355510002EB	9405261L	Equipment Blank #1	1215
ST-234	KAFB-EB-234-051894	011A	0355510002EB	940601J	Equipment Blank #1	1179
ST-234	KAFB-EB-234-051894	011A	0355510002EB	940601J	Equipment Blank #1	1188
ST-234	KAFB-EB-234-051894	011A	0355510002EB	940601J	Equipment Blank #1	1197
ST-234	KAFB-EB-234-051894	011A	0355510002EB	940601J	Equipment Blank #1	1206
ST-234	KAFB-EB-234-051894	011A	0355510002EB	940601J	Equipment Blank #1	1215
ST-234	KAFB-EB-234-051894	011A	P273340	26280	Equipment Blank #1	1180
ST-234	KAFB-EB-234-051894	011A	P273340	26280	Equipment Blank #1	1181
ST-234	KAFB-EB-234-051894	011A	P273340	26280	Equipment Blank #1	1189
ST-234	KAFB-EB-234-051894	011A	P273340	26280	Equipment Blank #1	1190
ST-234	KAFB-EB-234-051894	011A	P273340	26280	Equipment Blank #1	1198
ST-234	KAFB-EB-234-051894	011A	P273340	26280	Equipment Blank #1	1199
ST-234	KAFB-EB-234-051894	011A	P273340	26280	Equipment Blank #1	1207
ST-234	KAFB-EB-234-051894	011A	P273340	26280	Equipment Blank #1	1208
ST-234	KAFB-EB-234-051894	011A	P273340	26280	Equipment Blank #1	1216
ST-234	KAFB-EB-234-051894	011A	P273340	26280	Equipment Blank #1	1217
ST-234	KAFB-EB-234-051894	011A	P273340	26281	Equipment Blank #1	1178
ST-234	KAFB-EB-234-051894	011A	P273340	26281	Equipment Blank #1	1187
ST-234	KAFB-EB-234-051894	011A	P273340	26281	Equipment Blank #1	1196
ST-234	KAFB-EB-234-051894	011A	P273340	26281	Equipment Blank #1	1205

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ST-234	KAFB-EB-234-051894	011A	P273340	26281	Equipment Blank #1	1214
ST-234	KAFB-EB-234-051894	011A	P273340	26305	Equipment Blank #1	1177
ST-234	KAFB-EB-234-051894	011A	P273340	26305	Equipment Blank #1	1186
ST-234	KAFB-EB-234-051894	011A	P273340	26305	Equipment Blank #1	1195
ST-234	KAFB-EB-234-051894	011A	P273340	26305	Equipment Blank #1	1204
ST-234	KAFB-EB-234-051894	011A	P273340	26305	Equipment Blank #1	1213
ST-234	KAFB-EB-234-051894	011A	P273340	26336	Equipment Blank #1	1176
ST-234	KAFB-EB-234-051894	011A	P273340	26336	Equipment Blank #1	1185
ST-234	KAFB-EB-234-051894	011A	P273340	26336	Equipment Blank #1	1194
ST-234	KAFB-EB-234-051894	011A	P273340	26336	Equipment Blank #1	1203
ST-234	KAFB-EB-234-051894	011A	P273340	26336	Equipment Blank #1	1212
ST-234	KAFB-TB-01-051894	011A			Trip Blank #1	1175
ST-234	KAFB-TB-01-051894	011A			Trip Blank #1	1179
ST-234	KAFB-TB-01-051894	011A			Trip Blank #1	1184
ST-234	KAFB-TB-01-051894	011A			Trip Blank #1	1188
ST-234	KAFB-TB-01-051894	011A			Trip Blank #1	1193
ST-234	KAFB-TB-01-051894	011A			Trip Blank #1	1197
ST-234	KAFB-TB-01-051894	011A			Trip Blank #1	1202
ST-234	KAFB-TB-01-051894	011A			Trip Blank #1	1206
ST-234	KAFB-TB-01-051894	011A			Trip Blank #1	1211
ST-234	KAFB-TB-01-051894	011A			Trip Blank #1	1215
ST-234	KAFB-TB-01-051894	011A	0355510001TB	940601J	Trip Blank #1	1179
ST-234	KAFB-TB-01-051894	011A	0355510001TB	940601J	Trip Blank #1	1188
ST-234	KAFB-TB-01-051894	011A	0355510001TB	940601J	Trip Blank #1	1197
ST-234	KAFB-TB-01-051894	011A	0355510001TB	940601J	Trip Blank #1	1206
ST-234	KAFB-TB-01-051894	011A	0355510001TB	940601J	Trip Blank #1	1215
ST-235	KAFB-235-01-0406	111A	0355810003SA	035581	Normal Environmental Sample #1	1219
ST-235	KAFB-235-01-0406	111A	0355810003SA	940526A	Normal Environmental Sample #1	1220
ST-235	KAFB-235-01-0406	111A	0355810003SA	940601N	Normal Environmental Sample #1	1224
ST-235	KAFB-235-01-0406	111A	P273416	26250	Normal Environmental Sample #1	1221
ST-235	KAFB-235-01-0406	111A	P273416	26259	Normal Environmental Sample #1	1225
ST-235	KAFB-235-01-0406	111A	P273416	26259	Normal Environmental Sample #1	1226
ST-235	KAFB-235-01-0406	111A	P273416	26260	Normal Environmental Sample #1	1223
ST-235	KAFB-235-01-0406	111A	P273416	26274	Normal Environmental Sample #1	1227
ST-235	KAFB-235-01-0406	111A	P273416	26438	Normal Environmental Sample #1	1222
ST-235	KAFB-235-01-0911	111A	0355810005SA	035581	Normal Environmental Sample #1	1219
ST-235	KAFB-235-01-0911	111A	0355810005SA	940526A	Normal Environmental Sample #1	1220
ST-235	KAFB-235-01-0911	111A	0355810005SA	940601N	Normal Environmental Sample #1	1224
ST-235	KAFB-235-01-0911	111A	P273417	26250	Normal Environmental Sample #1	1221
ST-235	KAFB-235-01-0911	111A	P273417	26259	Normal Environmental Sample #1	1225
ST-235	KAFB-235-01-0911	111A	P273417	26259	Normal Environmental Sample #1	1226
ST-235	KAFB-235-01-0911	111A	P273417	26260	Normal Environmental Sample #1	1223
ST-235	KAFB-235-01-0911	111A	P273417	26274	Normal Environmental Sample #1	1227
ST-235	KAFB-235-01-0911	111A	P273417	26438	Normal Environmental Sample #1	1222
ST-235	KAFB-235-02-0406	111A	0355810006SA	035581	Normal Environmental Sample #1	1228
ST-235	KAFB-235-02-0406	111A	0355810006SA	940526A	Normal Environmental Sample #1	1229
ST-235	KAFB-235-02-0406	111A	0355810006SA	940601N	Normal Environmental Sample #1	1233
ST-235	KAFB-235-02-0406	111A	P273418	26250	Normal Environmental Sample #1	1230
ST-235	KAFB-235-02-0406	111A	P273418	26259	Normal Environmental Sample #1	1234
ST-235	KAFB-235-02-0406	111A	P273418	26259	Normal Environmental Sample #1	1235
ST-235	KAFB-235-02-0406	111A	P273418	26260	Normal Environmental Sample #1	1232
ST-235	KAFB-235-02-0406	111A	P273418	26274	Normal Environmental Sample #1	1236

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ST-235	KAFB-235-02-0406	111A	P273418	26438	Normal Environmental Sample #1	1231
ST-235	KAFB-235-02-0911	111A	0355810007SA	035581	Normal Environmental Sample #1	1228
ST-235	KAFB-235-02-0911	111A	0355810007SA	940526A	Normal Environmental Sample #1	1229
ST-235	KAFB-235-02-0911	111A	0355810007SA	940601N	Normal Environmental Sample #1	1233
ST-235	KAFB-235-02-0911	111A	P273419	26250	Normal Environmental Sample #1	1230
ST-235	KAFB-235-02-0911	111A	P273419	26259	Normal Environmental Sample #1	1234
ST-235	KAFB-235-02-0911	111A	P273419	26259	Normal Environmental Sample #1	1235
ST-235	KAFB-235-02-0911	111A	P273419	26260	Normal Environmental Sample #1	1232
ST-235	KAFB-235-02-0911	111A	P273419	26274	Normal Environmental Sample #1	1236
ST-235	KAFB-235-02-0911	111A	P273419	26438	Normal Environmental Sample #1	1231
ST-235	KAFB-AB-235-051994	111A			Ambient Conditions Blank #1	1220
ST-235	KAFB-AB-235-051994	111A			Ambient Conditions Blank #1	1224
ST-235	KAFB-AB-235-051994	111A			Ambient Conditions Blank #1	1229
ST-235	KAFB-AB-235-051994	111A			Ambient Conditions Blank #1	1233
ST-235	KAFB-AB-235-051994	111A	0355810004AB	940602J	Ambient Conditions Blank #1	1224
ST-235	KAFB-AB-235-051994	111A	0355810004AB	940602J	Ambient Conditions Blank #1	1233
ST-235	KAFB-EB-235-051994	111A	0355810002EB	940528K	Equipment Blank #1	1220
ST-235	KAFB-EB-235-051994	111A	0355810002EB	940528K	Equipment Blank #1	1224
ST-235	KAFB-EB-235-051994	111A	0355810002EB	940528K	Equipment Blank #1	1229
ST-235	KAFB-EB-235-051994	111A	0355810002EB	940528K	Equipment Blank #1	1233
ST-235	KAFB-EB-235-051994	111A	0355810002EB	940602J	Equipment Blank #1	1224
ST-235	KAFB-EB-235-051994	111A	0355810002EB	940602J	Equipment Blank #1	1233
ST-235	KAFB-EB-235-051994	111A	P273415	26236	Equipment Blank #1	1225
ST-235	KAFB-EB-235-051994	111A	P273415	26236	Equipment Blank #1	1226
ST-235	KAFB-EB-235-051994	111A	P273415	26236	Equipment Blank #1	1234
ST-235	KAFB-EB-235-051994	111A	P273415	26236	Equipment Blank #1	1235
ST-235	KAFB-EB-235-051994	111A	P273415	26237	Equipment Blank #1	1223
ST-235	KAFB-EB-235-051994	111A	P273415	26237	Equipment Blank #1	1232
ST-235	KAFB-EB-235-051994	111A	P273415	26263	Equipment Blank #1	1221
ST-235	KAFB-EB-235-051994	111A	P273415	26263	Equipment Blank #1	1230
ST-235	KAFB-EB-235-051994	111A	P273415	26305	Equipment Blank #1	1222
ST-235	KAFB-EB-235-051994	111A	P273415	26305	Equipment Blank #1	1231
ST-235	KAFB-TB-01-051994	111A			Trip Blank #1	1220
ST-235	KAFB-TB-01-051994	111A			Trip Blank #1	1224
ST-235	KAFB-TB-01-051994	111A			Trip Blank #1	1229
ST-235	KAFB-TB-01-051994	111A			Trip Blank #1	1233
ST-235	KAFB-TB-01-051994	111A	0355810001TB	940602J	Trip Blank #1	1224
ST-235	KAFB-TB-01-051994	111A	0355810001TB	940602J	Trip Blank #1	1233
ST-236	KAFB-236-01-0104	011A	0355170005RA	940606J	Normal Environmental Sample #1	1242
ST-236	KAFB-236-01-0104	011A	0355170005SA	035517	Normal Environmental Sample #1	1237
ST-236	KAFB-236-01-0104	011A	0355170005SA	940524A	Normal Environmental Sample #1	1238
ST-236	KAFB-236-01-0104	011A	P273285	26162	Normal Environmental Sample #1	1241
ST-236	KAFB-236-01-0104	011A	P273285	26169	Normal Environmental Sample #1	1245
ST-236	KAFB-236-01-0104	011A	P273285	26193	Normal Environmental Sample #1	1239
ST-236	KAFB-236-01-0104	011A	P273285	26247	Normal Environmental Sample #1	1240
ST-236	KAFB-236-01-0104	011A	P273285	27505	Normal Environmental Sample #1	1243
ST-236	KAFB-236-01-0104	011A	P273285	27505	Normal Environmental Sample #1	1244
ST-236	KAFB-236-01-0610	011A	0355170006SA	035517	Normal Environmental Sample #1	1237
ST-236	KAFB-236-01-0610	011A	0355170006SA	940524A	Normal Environmental Sample #1	1238
ST-236	KAFB-236-01-0610	011A	0355170006SA	940526N	Normal Environmental Sample #1	1242
ST-236	KAFB-236-01-0610	011A	P273286	26162	Normal Environmental Sample #1	1241
ST-236	KAFB-236-01-0610	011A	P273286	26169	Normal Environmental Sample #1	1245

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ST-236	KAFB-236-01-0610	011A	P273286	26193	Normal Environmental Sample #1	1239
ST-236	KAFB-236-01-0610	011A	P273286	26247	Normal Environmental Sample #1	1240
ST-236	KAFB-236-01-0610	011A	P273286	27505	Normal Environmental Sample #1	1243
ST-236	KAFB-236-01-0610	011A	P273286	27505	Normal Environmental Sample #1	1244
ST-236	KAFB-236-02-0104	011A	0355170007RA	940606J	Normal Environmental Sample #1	1251
ST-236	KAFB-236-02-0104	011A	0355170007SA	035517	Normal Environmental Sample #1	1246
ST-236	KAFB-236-02-0104	011A	0355170007SA	940524A	Normal Environmental Sample #1	1247
ST-236	KAFB-236-02-0104	011A	P273287	26162	Normal Environmental Sample #1	1250
ST-236	KAFB-236-02-0104	011A	P273287	26169	Normal Environmental Sample #1	1254
ST-236	KAFB-236-02-0104	011A	P273287	26193	Normal Environmental Sample #1	1248
ST-236	KAFB-236-02-0104	011A	P273287	26247	Normal Environmental Sample #1	1249
ST-236	KAFB-236-02-0104	011A	P273287	27505	Normal Environmental Sample #1	1252
ST-236	KAFB-236-02-0104	011A	P273287	27505	Normal Environmental Sample #1	1253
ST-236	KAFB-236-03-0306	011A	0355170009SA	035517	Normal Environmental Sample #1	1255
ST-236	KAFB-236-03-0306	011A	0355170009SA	940524A	Normal Environmental Sample #1	1256
ST-236	KAFB-236-03-0306	011A	0355170009SA	940526N	Normal Environmental Sample #1	1260
ST-236	KAFB-236-03-0306	011A	P273289	26163	Normal Environmental Sample #1	1259
ST-236	KAFB-236-03-0306	011A	P273289	26169	Normal Environmental Sample #1	1263
ST-236	KAFB-236-03-0306	011A	P273289	26193	Normal Environmental Sample #1	1257
ST-236	KAFB-236-03-0306	011A	P273289	26247	Normal Environmental Sample #1	1258
ST-236	KAFB-236-03-0306	011A	P273289	27505	Normal Environmental Sample #1	1261
ST-236	KAFB-236-03-0306	011A	P273289	27505	Normal Environmental Sample #1	1262
ST-236	KAFB-236-03-0611	011A	0355170010SA	035517	Normal Environmental Sample #1	1255
ST-236	KAFB-236-03-0611	011A	0355170010SA	940524A	Normal Environmental Sample #1	1256
ST-236	KAFB-236-03-0611	011A	0355170010SA	940526N	Normal Environmental Sample #1	1260
ST-236	KAFB-236-03-0611	011A	P273290	26163	Normal Environmental Sample #1	1259
ST-236	KAFB-236-03-0611	011A	P273290	26169	Normal Environmental Sample #1	1263
ST-236	KAFB-236-03-0611	011A	P273290	26193	Normal Environmental Sample #1	1257
ST-236	KAFB-236-03-0611	011A	P273290	26247	Normal Environmental Sample #1	1258
ST-236	KAFB-236-03-0611	011A	P273290	27505	Normal Environmental Sample #1	1261
ST-236	KAFB-236-03-0611	011A	P273290	27505	Normal Environmental Sample #1	1262
ST-236	KAFB-236-04-0104	011A	0355170012SA	035517	Normal Environmental Sample #1	1264
ST-236	KAFB-236-04-0104	011A	0355170012SA	940524A	Normal Environmental Sample #1	1265
ST-236	KAFB-236-04-0104	011A	0355170012SA	940526N	Normal Environmental Sample #1	1269
ST-236	KAFB-236-04-0104	011A	P273292	26163	Normal Environmental Sample #1	1268
ST-236	KAFB-236-04-0104	011A	P273292	26169	Normal Environmental Sample #1	1272
ST-236	KAFB-236-04-0104	011A	P273292	26193	Normal Environmental Sample #1	1266
ST-236	KAFB-236-04-0104	011A	P273292	26247	Normal Environmental Sample #1	1267
ST-236	KAFB-236-04-0104	011A	P273292	27505	Normal Environmental Sample #1	1270
ST-236	KAFB-236-04-0104	011A	P273292	27505	Normal Environmental Sample #1	1271
ST-236	KAFB-236-04-0608	011A	0355170013MS	940524A	Normal Environmental Sample #1	1265
ST-236	KAFB-236-04-0608	011A	0355170013MS	940525N	Normal Environmental Sample #1	1269
ST-236	KAFB-236-04-0608	011A	0355170013SA	035517	Normal Environmental Sample #1	1264
ST-236	KAFB-236-04-0608	011A	P273293	26163	Normal Environmental Sample #1	1268
ST-236	KAFB-236-04-0608	011A	P273293	26169	Normal Environmental Sample #1	1272
ST-236	KAFB-236-04-0608	011A	P273293	26193	Normal Environmental Sample #1	1266
ST-236	KAFB-236-04-0608	011A	P273293	26247	Normal Environmental Sample #1	1267
ST-236	KAFB-236-04-0608	011A	P273293	27505	Normal Environmental Sample #1	1270
ST-236	KAFB-236-04-0608	011A	P273293	27505	Normal Environmental Sample #1	1271
ST-236	KAFB-236-99-0611	011A	0355170010SA	035517	Field Replicate #1	1255
ST-236	KAFB-236-99-0611	011A	0355170010SA	940524A	Field Replicate #1	1256
ST-236	KAFB-236-99-0611	011A	0355170010SA	940526N	Field Replicate #1	1260

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Site	Field ID	Fld Lot	Lab ID	Lab Lot	Sample Description	Page
ST-236	KAFB-236-99-0611	011A	P273290	26163	Field Replicate #1	1259
ST-236	KAFB-236-99-0611	011A	P273290	26169	Field Replicate #1	1263
ST-236	KAFB-236-99-0611	011A	P273290	26193	Field Replicate #1	1257
ST-236	KAFB-236-99-0611	011A	P273290	26247	Field Replicate #1	1258
ST-236	KAFB-236-99-0611	011A	P273290	27505	Field Replicate #1	1261
ST-236	KAFB-236-99-0611	011A	P273290	27505	Field Replicate #1	1262
ST-236	KAFB-238-02-0608	011A	0355170008SA	035517	Normal Environmental Sample #1	1246
ST-236	KAFB-238-02-0608	011A	0355170008SA	940524A	Normal Environmental Sample #1	1247
ST-236	KAFB-238-02-0608	011A	0355170008SA	940526N	Normal Environmental Sample #1	1251
ST-236	KAFB-238-02-0608	011A	P273288	26163	Normal Environmental Sample #1	1250
ST-236	KAFB-238-02-0608	011A	P273288	26169	Normal Environmental Sample #1	1254
ST-236	KAFB-238-02-0608	011A	P273288	26193	Normal Environmental Sample #1	1248
ST-236	KAFB-238-02-0608	011A	P273288	26247	Normal Environmental Sample #1	1249
ST-236	KAFB-238-02-0608	011A	P273288	27505	Normal Environmental Sample #1	1252
ST-236	KAFB-238-02-0608	011A	P273288	27505	Normal Environmental Sample #1	1253
ST-236	KAFB-EB-217-051794	011A	0355170002EB	9405246K	Equipment Blank #1	1238
ST-236	KAFB-EB-217-051794	011A	0355170002EB	9405246K	Equipment Blank #1	1242
ST-236	KAFB-EB-217-051794	011A	0355170002EB	9405246K	Equipment Blank #1	1247
ST-236	KAFB-EB-217-051794	011A	0355170002EB	9405246K	Equipment Blank #1	1251
ST-236	KAFB-EB-217-051794	011A	0355170002EB	9405246K	Equipment Blank #1	1256
ST-236	KAFB-EB-217-051794	011A	0355170002EB	9405246K	Equipment Blank #1	1260
ST-236	KAFB-EB-217-051794	011A	0355170002EB	9405246K	Equipment Blank #1	1265
ST-236	KAFB-EB-217-051794	011A	0355170002EB	9405246K	Equipment Blank #1	1269
ST-236	KAFB-EB-217-051794	011A	0355170002EB	940525N	Equipment Blank #1	1242
ST-236	KAFB-EB-217-051794	011A	0355170002EB	940525N	Equipment Blank #1	1251
ST-236	KAFB-EB-217-051794	011A	0355170002EB	940525N	Equipment Blank #1	1260
ST-236	KAFB-EB-217-051794	011A	0355170002EB	940525N	Equipment Blank #1	1269
ST-236	KAFB-EB-217-051794	011A	P273282	26160	Equipment Blank #1	1243
ST-236	KAFB-EB-217-051794	011A	P273282	26160	Equipment Blank #1	1244
ST-236	KAFB-EB-217-051794	011A	P273282	26160	Equipment Blank #1	1252
ST-236	KAFB-EB-217-051794	011A	P273282	26160	Equipment Blank #1	1253
ST-236	KAFB-EB-217-051794	011A	P273282	26160	Equipment Blank #1	1261
ST-236	KAFB-EB-217-051794	011A	P273282	26160	Equipment Blank #1	1262
ST-236	KAFB-EB-217-051794	011A	P273282	26160	Equipment Blank #1	1270
ST-236	KAFB-EB-217-051794	011A	P273282	26160	Equipment Blank #1	1271
ST-236	KAFB-EB-217-051794	011A	P273282	26161	Equipment Blank #1	1241
ST-236	KAFB-EB-217-051794	011A	P273282	26161	Equipment Blank #1	1250
ST-236	KAFB-EB-217-051794	011A	P273282	26161	Equipment Blank #1	1259
ST-236	KAFB-EB-217-051794	011A	P273282	26161	Equipment Blank #1	1268
ST-236	KAFB-EB-217-051794	011A	P273282	26210	Equipment Blank #1	1240
ST-236	KAFB-EB-217-051794	011A	P273282	26210	Equipment Blank #1	1249
ST-236	KAFB-EB-217-051794	011A	P273282	26210	Equipment Blank #1	1258
ST-236	KAFB-EB-217-051794	011A	P273282	26210	Equipment Blank #1	1267
ST-236	KAFB-EB-217-051794	011A	P273282	26263	Equipment Blank #1	1239
ST-236	KAFB-EB-217-051794	011A	P273282	26263	Equipment Blank #1	1248
ST-236	KAFB-EB-217-051794	011A	P273282	26263	Equipment Blank #1	1257
ST-236	KAFB-EB-217-051794	011A	P273282	26263	Equipment Blank #1	1266
ST-236	KAFB-TB-01-051794	011A			Trip Blank #1	1238
ST-236	KAFB-TB-01-051794	011A			Trip Blank #1	1242
ST-236	KAFB-TB-01-051794	011A			Trip Blank #1	1247
ST-236	KAFB-TB-01-051794	011A			Trip Blank #1	1251
ST-236	KAFB-TB-01-051794	011A			Trip Blank #1	1256

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ST-236	KAFB-TB-01-051794	011A			Trip Blank #1	1260
ST-236	KAFB-TB-01-051794	011A			Trip Blank #1	1265
ST-236	KAFB-TB-01-051794	011A			Trip Blank #1	1269
ST-236	KAFB-TB-01-051794	011A	0355170001TB	940525N	Trip Blank #1	1242
ST-236	KAFB-TB-01-051794	011A	0355170001TB	940525N	Trip Blank #1	1251
ST-236	KAFB-TB-01-051794	011A	0355170001TB	940525N	Trip Blank #1	1260
ST-236	KAFB-TB-01-051794	011A	0355170001TB	940525N	Trip Blank #1	1269
ST-237	KAFB-237-01-0508	111A	0355810008SA	035581	Normal Environmental Sample #1	1273
ST-237	KAFB-237-01-0508	111A	0355810008SA	940526A	Normal Environmental Sample #1	1274
ST-237	KAFB-237-01-0508	111A	0355810008SA	940602J	Normal Environmental Sample #1	1278
ST-237	KAFB-237-01-0508	111A	P273420	26250	Normal Environmental Sample #1	1275
ST-237	KAFB-237-01-0508	111A	P273420	26259	Normal Environmental Sample #1	1279
ST-237	KAFB-237-01-0508	111A	P273420	26259	Normal Environmental Sample #1	1280
ST-237	KAFB-237-01-0508	111A	P273420	26260	Normal Environmental Sample #1	1277
ST-237	KAFB-237-01-0508	111A	P273420	26274	Normal Environmental Sample #1	1281
ST-237	KAFB-237-01-0508	111A	P273420	26438	Normal Environmental Sample #1	1276
ST-237	KAFB-237-01-1214	111A	0355810009SA	035581	Normal Environmental Sample #1	1273
ST-237	KAFB-237-01-1214	111A	0355810009SA	940526A	Normal Environmental Sample #1	1274
ST-237	KAFB-237-01-1214	111A	0355810009SA	940601N	Normal Environmental Sample #1	1278
ST-237	KAFB-237-01-1214	111A	P273421	26250	Normal Environmental Sample #1	1275
ST-237	KAFB-237-01-1214	111A	P273421	26259	Normal Environmental Sample #1	1279
ST-237	KAFB-237-01-1214	111A	P273421	26259	Normal Environmental Sample #1	1280
ST-237	KAFB-237-01-1214	111A	P273421	26260	Normal Environmental Sample #1	1277
ST-237	KAFB-237-01-1214	111A	P273421	26274	Normal Environmental Sample #1	1281
ST-237	KAFB-237-01-1214	111A	P273421	26438	Normal Environmental Sample #1	1276
ST-237	KAFB-AB-235-051994	111A			Ambient Conditions Blank #1	1274
ST-237	KAFB-AB-235-051994	111A			Ambient Conditions Blank #1	1278
ST-237	KAFB-AB-235-051994	111A	0355810004AB	940602J	Ambient Conditions Blank #1	1278
ST-237	KAFB-EB-235-051994	111A	0355810002EB	940528K	Equipment Blank #1	1274
ST-237	KAFB-EB-235-051994	111A	0355810002EB	940528K	Equipment Blank #1	1278
ST-237	KAFB-EB-235-051994	111A	0355810002EB	940602J	Equipment Blank #1	1278
ST-237	KAFB-EB-235-051994	111A	P273415	26236	Equipment Blank #1	1279
ST-237	KAFB-EB-235-051994	111A	P273415	26236	Equipment Blank #1	1280
ST-237	KAFB-EB-235-051994	111A	P273415	26237	Equipment Blank #1	1277
ST-237	KAFB-EB-235-051994	111A	P273415	26263	Equipment Blank #1	1275
ST-237	KAFB-EB-235-051994	111A	P273415	26305	Equipment Blank #1	1276
ST-237	KAFB-TB-01-051994	111A			Trip Blank #1	1274
ST-237	KAFB-TB-01-051994	111A			Trip Blank #1	1278
ST-237	KAFB-TB-01-051994	111A	0355810001TB	940602J	Trip Blank #1	1278
ST-238	KAFB-238-01-1113	011A	0357630005SA	035763	Normal Environmental Sample #1	1282
ST-238	KAFB-238-01-1113	011A	0357630005SA	940607N	Normal Environmental Sample #1	1287
ST-238	KAFB-238-01-1113	011A	0357630005SA	9406086K	Normal Environmental Sample #1	1283
ST-238	KAFB-238-01-1113	011A	P274438	26405	Normal Environmental Sample #1	1284
ST-238	KAFB-238-01-1113	011A	P274438	26415	Normal Environmental Sample #1	1290
ST-238	KAFB-238-01-1113	011A	P274438	26491	Normal Environmental Sample #1	1286
ST-238	KAFB-238-01-1113	011A	P274438	26505	Normal Environmental Sample #1	1288
ST-238	KAFB-238-01-1113	011A	P274438	26505	Normal Environmental Sample #1	1289
ST-238	KAFB-238-01-1113	011A	P274438	26557	Normal Environmental Sample #1	1285
ST-238	KAFB-238-01-1820	011A	0357630006SA	035763	Normal Environmental Sample #1	1282
ST-238	KAFB-238-01-1820	011A	0357630006SA	9406086K	Normal Environmental Sample #1	1283
ST-238	KAFB-238-01-1820	011A	0357630006SA	940608N	Normal Environmental Sample #1	1287
ST-238	KAFB-238-01-1820	011A	P274439	26405	Normal Environmental Sample #1	1284

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ST-238	KAFB-238-01-1820	011A	P274439	26415	Normal Environmental Sample #1	1290
ST-238	KAFB-238-01-1820	011A	P274439	26491	Normal Environmental Sample #1	1286
ST-238	KAFB-238-01-1820	011A	P274439	26505	Normal Environmental Sample #1	1288
ST-238	KAFB-238-01-1820	011A	P274439	26505	Normal Environmental Sample #1	1289
ST-238	KAFB-238-01-1820	011A	P274439	26557	Normal Environmental Sample #1	1285
ST-238	KAFB-238-02-0307	011A	0357630007SA	035763	Normal Environmental Sample #1	1291
ST-238	KAFB-238-02-0307	011A	0357630007SA	940608N	Normal Environmental Sample #1	1296
ST-238	KAFB-238-02-0307	011A	0357630007SA	9406096K	Normal Environmental Sample #1	1292
ST-238	KAFB-238-02-0307	011A	P274440	26415	Normal Environmental Sample #1	1299
ST-238	KAFB-238-02-0307	011A	P274440	26491	Normal Environmental Sample #1	1295
ST-238	KAFB-238-02-0307	011A	P274440	26505	Normal Environmental Sample #1	1297
ST-238	KAFB-238-02-0307	011A	P274440	26505	Normal Environmental Sample #1	1298
ST-238	KAFB-238-02-0307	011A	P274440	26557	Normal Environmental Sample #1	1294
ST-238	KAFB-238-02-0307	011A	P274444	26749	Normal Environmental Sample #1	1293
ST-238	KAFB-238-02-0812	011A	0357630008MS	940608N	Normal Environmental Sample #1	1296
ST-238	KAFB-238-02-0812	011A	0357630008MS	9406096K	Normal Environmental Sample #1	1292
ST-238	KAFB-238-02-0812	011A	0357630008SA	035763	Normal Environmental Sample #1	1291
ST-238	KAFB-238-02-0812	011A	P274441	26415	Normal Environmental Sample #1	1299
ST-238	KAFB-238-02-0812	011A	P274441	26491	Normal Environmental Sample #1	1295
ST-238	KAFB-238-02-0812	011A	P274441	26501	Normal Environmental Sample #1	1293
ST-238	KAFB-238-02-0812	011A	P274441	26505	Normal Environmental Sample #1	1297
ST-238	KAFB-238-02-0812	011A	P274441	26505	Normal Environmental Sample #1	1298
ST-238	KAFB-238-02-0812	011A	P274441	26557	Normal Environmental Sample #1	1294
ST-238	KAFB-238-03-0305	011A	0357630009SA	035763	Normal Environmental Sample #1	1300
ST-238	KAFB-238-03-0305	011A	0357630009SA	940608N	Normal Environmental Sample #1	1305
ST-238	KAFB-238-03-0305	011A	0357630009SA	9406096K	Normal Environmental Sample #1	1301
ST-238	KAFB-238-03-0305	011A	P274442	26415	Normal Environmental Sample #1	1308
ST-238	KAFB-238-03-0305	011A	P274442	26491	Normal Environmental Sample #1	1304
ST-238	KAFB-238-03-0305	011A	P274442	26505	Normal Environmental Sample #1	1306
ST-238	KAFB-238-03-0305	011A	P274442	26505	Normal Environmental Sample #1	1307
ST-238	KAFB-238-03-0305	011A	P274442	26557	Normal Environmental Sample #1	1303
ST-238	KAFB-238-03-0305	011A	P274442	26749	Normal Environmental Sample #1	1302
ST-238	KAFB-238-03-0810	011A	0357630010SA	035763	Normal Environmental Sample #1	1300
ST-238	KAFB-238-03-0810	011A	0357630010SA	940608N	Normal Environmental Sample #1	1305
ST-238	KAFB-238-03-0810	011A	0357630010SA	9406096K	Normal Environmental Sample #1	1301
ST-238	KAFB-238-03-0810	011A	P274443	26415	Normal Environmental Sample #1	1308
ST-238	KAFB-238-03-0810	011A	P274443	26491	Normal Environmental Sample #1	1304
ST-238	KAFB-238-03-0810	011A	P274443	26505	Normal Environmental Sample #1	1306
ST-238	KAFB-238-03-0810	011A	P274443	26505	Normal Environmental Sample #1	1307
ST-238	KAFB-238-03-0810	011A	P274443	26557	Normal Environmental Sample #1	1303
ST-238	KAFB-238-03-0810	011A	P274443	26749	Normal Environmental Sample #1	1302
ST-238	KAFB-238-99-0307	011A	0357630007SA	035763	Field Replicate #1	1291
ST-238	KAFB-238-99-0307	011A	0357630007SA	940608N	Field Replicate #1	1296
ST-238	KAFB-238-99-0307	011A	0357630007SA	9406096K	Field Replicate #1	1292
ST-238	KAFB-238-99-0307	011A	P274440	26415	Field Replicate #1	1299
ST-238	KAFB-238-99-0307	011A	P274440	26491	Field Replicate #1	1295
ST-238	KAFB-238-99-0307	011A	P274440	26505	Field Replicate #1	1297
ST-238	KAFB-238-99-0307	011A	P274440	26505	Field Replicate #1	1298
ST-238	KAFB-238-99-0307	011A	P274440	26557	Field Replicate #1	1294
ST-238	KAFB-238-99-0307	011A	P274444	26749	Field Replicate #1	1293
ST-238	KAFB-EB-240-052794	011A	0357630002EB	9406026K	Equipment Blank #1	1283
ST-238	KAFB-EB-240-052794	011A	0357630002EB	9406026K	Equipment Blank #1	1287

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ST-238	KAFB-EB-240-052794	011A	0357630002EB	9406026K	Equipment Blank #1	1292
ST-238	KAFB-EB-240-052794	011A	0357630002EB	9406026K	Equipment Blank #1	1296
ST-238	KAFB-EB-240-052794	011A	0357630002EB	9406026K	Equipment Blank #1	1301
ST-238	KAFB-EB-240-052794	011A	0357630002EB	9406026K	Equipment Blank #1	1305
ST-238	KAFB-EB-240-052794	011A	0357630002EB	940607N	Equipment Blank #1	1287
ST-238	KAFB-EB-240-052794	011A	0357630002EB	940607N	Equipment Blank #1	1296
ST-238	KAFB-EB-240-052794	011A	0357630002EB	940607N	Equipment Blank #1	1305
ST-238	KAFB-EB-240-052794	011A	P274435	26389	Equipment Blank #1	1288
ST-238	KAFB-EB-240-052794	011A	P274435	26389	Equipment Blank #1	1289
ST-238	KAFB-EB-240-052794	011A	P274435	26389	Equipment Blank #1	1297
ST-238	KAFB-EB-240-052794	011A	P274435	26389	Equipment Blank #1	1298
ST-238	KAFB-EB-240-052794	011A	P274435	26389	Equipment Blank #1	1306
ST-238	KAFB-EB-240-052794	011A	P274435	26389	Equipment Blank #1	1307
ST-238	KAFB-EB-240-052794	011A	P274435	26390	Equipment Blank #1	1286
ST-238	KAFB-EB-240-052794	011A	P274435	26390	Equipment Blank #1	1295
ST-238	KAFB-EB-240-052794	011A	P274435	26390	Equipment Blank #1	1304
ST-238	KAFB-EB-240-052794	011A	P274435	26396	Equipment Blank #1	1285
ST-238	KAFB-EB-240-052794	011A	P274435	26396	Equipment Blank #1	1294
ST-238	KAFB-EB-240-052794	011A	P274435	26396	Equipment Blank #1	1303
ST-238	KAFB-EB-240-052794	011A	P274435	26517	Equipment Blank #1	1284
ST-238	KAFB-EB-240-052794	011A	P274435	26517	Equipment Blank #1	1293
ST-238	KAFB-EB-240-052794	011A	P274435	26517	Equipment Blank #1	1302
ST-238	KAFB-TB-01-052794	011A			Trip Blank #1	1283
ST-238	KAFB-TB-01-052794	011A			Trip Blank #1	1287
ST-238	KAFB-TB-01-052794	011A			Trip Blank #1	1292
ST-238	KAFB-TB-01-052794	011A			Trip Blank #1	1296
ST-238	KAFB-TB-01-052794	011A			Trip Blank #1	1301
ST-238	KAFB-TB-01-052794	011A			Trip Blank #1	1305
ST-238	KAFB-TB-01-052794	011A	0357630001TB	940607N	Trip Blank #1	1287
ST-238	KAFB-TB-01-052794	011A	0357630001TB	940607N	Trip Blank #1	1296
ST-238	KAFB-TB-01-052794	011A	0357630001TB	940607N	Trip Blank #1	1305
ST-239	KAFB-239-01-0204	011A	0356060009SA	035606	Normal Environmental Sample #1	1309
ST-239	KAFB-239-01-0204	011A	0356060009SA	9405284A	Normal Environmental Sample #1	1310
ST-239	KAFB-239-01-0204	011A	0356060009SA	940602J	Normal Environmental Sample #1	1311
ST-239	KAFB-239-01-0204	011A	P273509	26259	Normal Environmental Sample #1	1313
ST-239	KAFB-239-01-0709	011A	0356060010MS	9405284A	Normal Environmental Sample #1	1310
ST-239	KAFB-239-01-0709	011A	0356060010MS	940602J	Normal Environmental Sample #1	1311
ST-239	KAFB-239-01-0709	011A	0356060010SA	035606	Normal Environmental Sample #1	1309
ST-239	KAFB-239-01-0709	011A	P273510	26259	Normal Environmental Sample #1	1313
ST-239	KAFB-239-01-1721	011A	0356060011SA	035606	Normal Environmental Sample #1	1309
ST-239	KAFB-239-01-1721	011A	0356060011SA	9405284A	Normal Environmental Sample #1	1310
ST-239	KAFB-239-01-1721	011A	0356060011SA	940603J	Normal Environmental Sample #1	1311
ST-239	KAFB-239-01-1721	011A	P273511	26259	Normal Environmental Sample #1	1313
ST-239	KAFB-239-99-1721	011A	0356060011SA	035606	Field Replicate #1	1309
ST-239	KAFB-239-99-1721	011A	0356060011SA	9405284A	Field Replicate #1	1310
ST-239	KAFB-239-99-1721	011A	0356060011SA	940603J	Field Replicate #1	1311
ST-239	KAFB-239-99-1721	011A	0356060011SA	940603J	Field Replicate #1	1312
ST-239	KAFB-239-99-1721	011A	P273511	26259	Field Replicate #1	1313
ST-239	KAFB-EB-222-052394		0356380002EB	9405286K	Equipment Blank #1	1315
ST-239	KAFB-EB-241-052094	011A	0356060002EB	9405281L	Equipment Blank #1	1310
ST-239	KAFB-EB-241-052094	011A	0356060002EB	9405281L	Equipment Blank #1	1311
ST-239	KAFB-EB-241-052094	011A	0356060002EB	9405281L	Equipment Blank #1	1312

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ST-239	KAFB-EB-241-052094	011A	0356060002EB	940602J	Equipment Blank #1	1311
ST-239	KAFB-EB-241-052094	011A	0356060002EB	940602J	Equipment Blank #1	1312
ST-239	KAFB-EB-241-052094	011A	P273502	26236	Equipment Blank #1	1313
ST-239	KAFB-TB-01-052094	011A			Trip Blank #1	1310
ST-239	KAFB-TB-01-052094	011A			Trip Blank #1	1311
ST-239	KAFB-TB-01-052094	011A			Trip Blank #1	1312
ST-239	KAFB-TB-01-052094	011A	0356060001TB	940602J	Trip Blank #1	1311
ST-239	KAFB-TB-01-052094	011A	0356060001TB	940602J	Trip Blank #1	1312
ST-239	KAFB-TB-01-052394				Trip Blank #1	1315
ST-240	KAFB-240-01-1113	011A	0356980007SA	035698	Normal Environmental Sample #1	1316
ST-240	KAFB-240-01-1113	011A	0356980007SA	9406036K	Normal Environmental Sample #1	1317
ST-240	KAFB-240-01-1113	011A	0356980007SA	940606J	Normal Environmental Sample #1	1321
ST-240	KAFB-240-01-1113	011A	P274292	26368	Normal Environmental Sample #1	1324
ST-240	KAFB-240-01-1113	011A	P274292	26381	Normal Environmental Sample #1	1318
ST-240	KAFB-240-01-1113	011A	P274292	26446	Normal Environmental Sample #1	1322
ST-240	KAFB-240-01-1113	011A	P274292	26446	Normal Environmental Sample #1	1323
ST-240	KAFB-240-01-1113	011A	P274292	26447	Normal Environmental Sample #1	1320
ST-240	KAFB-240-01-1113	011A	P274292	26542	Normal Environmental Sample #1	1319
ST-240	KAFB-240-01-1820	011A	0356980008MS	9406036K	Normal Environmental Sample #1	1317
ST-240	KAFB-240-01-1820	011A	0356980008MS	940606J	Normal Environmental Sample #1	1321
ST-240	KAFB-240-01-1820	011A	0356980008SA	035698	Normal Environmental Sample #1	1316
ST-240	KAFB-240-01-1820	011A	P274293	26368	Normal Environmental Sample #1	1324
ST-240	KAFB-240-01-1820	011A	P274293	26405	Normal Environmental Sample #1	1318
ST-240	KAFB-240-01-1820	011A	P274293	26446	Normal Environmental Sample #1	1322
ST-240	KAFB-240-01-1820	011A	P274293	26446	Normal Environmental Sample #1	1323
ST-240	KAFB-240-01-1820	011A	P274293	26447	Normal Environmental Sample #1	1320
ST-240	KAFB-240-01-1820	011A	P274293	26542	Normal Environmental Sample #1	1319
ST-240	KAFB-240-02-1113	011A	0357630003SA	035763	Normal Environmental Sample #1	1325
ST-240	KAFB-240-02-1113	011A	0357630003SA	940607N	Normal Environmental Sample #1	1330
ST-240	KAFB-240-02-1113	011A	0357630003SA	9406086K	Normal Environmental Sample #1	1326
ST-240	KAFB-240-02-1113	011A	P274436	26402	Normal Environmental Sample #1	1333
ST-240	KAFB-240-02-1113	011A	P274436	26491	Normal Environmental Sample #1	1329
ST-240	KAFB-240-02-1113	011A	P274436	26505	Normal Environmental Sample #1	1331
ST-240	KAFB-240-02-1113	011A	P274436	26505	Normal Environmental Sample #1	1332
ST-240	KAFB-240-02-1113	011A	P274436	26557	Normal Environmental Sample #1	1328
ST-240	KAFB-240-02-1113	011A	P274436	26749	Normal Environmental Sample #1	1327
ST-240	KAFB-240-02-1820	011A	0357630004SA	035763	Normal Environmental Sample #1	1325
ST-240	KAFB-240-02-1820	011A	0357630004SA	940607N	Normal Environmental Sample #1	1330
ST-240	KAFB-240-02-1820	011A	0357630004SA	9406086K	Normal Environmental Sample #1	1326
ST-240	KAFB-240-02-1820	011A	P274437	26415	Normal Environmental Sample #1	1333
ST-240	KAFB-240-02-1820	011A	P274437	26491	Normal Environmental Sample #1	1329
ST-240	KAFB-240-02-1820	011A	P274437	26505	Normal Environmental Sample #1	1331
ST-240	KAFB-240-02-1820	011A	P274437	26505	Normal Environmental Sample #1	1332
ST-240	KAFB-240-02-1820	011A	P274437	26557	Normal Environmental Sample #1	1328
ST-240	KAFB-240-02-1820	011A	P274437	26749	Normal Environmental Sample #1	1327
ST-240	KAFB-EB-224-052494	011A	0356980002EB	9406026K	Equipment Blank #1	1317
ST-240	KAFB-EB-224-052494	011A	0356980002EB	9406026K	Equipment Blank #1	1321
ST-240	KAFB-EB-224-052494	011A	0356980002EB	940606J	Equipment Blank #1	1321
ST-240	KAFB-EB-224-052494	011A	P274287	26333	Equipment Blank #1	1322
ST-240	KAFB-EB-224-052494	011A	P274287	26333	Equipment Blank #1	1323
ST-240	KAFB-EB-224-052494	011A	P274287	26335	Equipment Blank #1	1320
ST-240	KAFB-EB-224-052494	011A	P274287	26396	Equipment Blank #1	1319

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ST-240	KAFB-EB-224-052494	011A	P274287	26517	Equipment Blank #1	1318
ST-240	KAFB-EB-240-052794	011A	0357630002EB	9406026K	Equipment Blank #1	1326
ST-240	KAFB-EB-240-052794	011A	0357630002EB	9406026K	Equipment Blank #1	1330
ST-240	KAFB-EB-240-052794	011A	0357630002EB	940607N	Equipment Blank #1	1330
ST-240	KAFB-EB-240-052794	011A	P274435	26389	Equipment Blank #1	1331
ST-240	KAFB-EB-240-052794	011A	P274435	26389	Equipment Blank #1	1332
ST-240	KAFB-EB-240-052794	011A	P274435	26390	Equipment Blank #1	1329
ST-240	KAFB-EB-240-052794	011A	P274435	26396	Equipment Blank #1	1328
ST-240	KAFB-EB-240-052794	011A	P274435	26517	Equipment Blank #1	1327
ST-240	KAFB-TB-01-052494	011A			Trip Blank #1	1317
ST-240	KAFB-TB-01-052494	011A			Trip Blank #1	1321
ST-240	KAFB-TB-01-052494	011A	0356980001TB	940606J	Trip Blank #1	1321
ST-240	KAFB-TB-01-052794	011A			Trip Blank #1	1326
ST-240	KAFB-TB-01-052794	011A			Trip Blank #1	1330
ST-240	KAFB-TB-01-052794	011A	0357630001TB	940607N	Trip Blank #1	1330
ST-241	KAFB-241-01-0305	011A	0356060003SA	035606	Normal Environmental Sample #1	1334
ST-241	KAFB-241-01-0305	011A	0356060003SA	9405284A	Normal Environmental Sample #1	1335
ST-241	KAFB-241-01-0305	011A	0356060003SA	940602J	Normal Environmental Sample #1	1339
ST-241	KAFB-241-01-0305	011A	P273503	26250	Normal Environmental Sample #1	1336
ST-241	KAFB-241-01-0305	011A	P273503	26259	Normal Environmental Sample #1	1340
ST-241	KAFB-241-01-0305	011A	P273503	26259	Normal Environmental Sample #1	1341
ST-241	KAFB-241-01-0305	011A	P273503	26260	Normal Environmental Sample #1	1338
ST-241	KAFB-241-01-0305	011A	P273503	26274	Normal Environmental Sample #1	1342
ST-241	KAFB-241-01-0305	011A	P273503	26541	Normal Environmental Sample #1	1337
ST-241	KAFB-241-01-0810	011A	0356060004SA	035606	Normal Environmental Sample #1	1334
ST-241	KAFB-241-01-0810	011A	0356060004SA	9405284A	Normal Environmental Sample #1	1335
ST-241	KAFB-241-01-0810	011A	0356060004SA	940602J	Normal Environmental Sample #1	1339
ST-241	KAFB-241-01-0810	011A	P273504	26250	Normal Environmental Sample #1	1336
ST-241	KAFB-241-01-0810	011A	P273504	26259	Normal Environmental Sample #1	1340
ST-241	KAFB-241-01-0810	011A	P273504	26259	Normal Environmental Sample #1	1341
ST-241	KAFB-241-01-0810	011A	P273504	26260	Normal Environmental Sample #1	1338
ST-241	KAFB-241-01-0810	011A	P273504	26274	Normal Environmental Sample #1	1342
ST-241	KAFB-241-01-0810	011A	P273504	26541	Normal Environmental Sample #1	1337
ST-241	KAFB-241-02-0305	011A	0356060005SA	035606	Normal Environmental Sample #1	1343
ST-241	KAFB-241-02-0305	011A	0356060005SA	9405284A	Normal Environmental Sample #1	1344
ST-241	KAFB-241-02-0305	011A	0356060005SA	940602J	Normal Environmental Sample #1	1348
ST-241	KAFB-241-02-0305	011A	P273505	26250	Normal Environmental Sample #1	1345
ST-241	KAFB-241-02-0305	011A	P273505	26259	Normal Environmental Sample #1	1349
ST-241	KAFB-241-02-0305	011A	P273505	26259	Normal Environmental Sample #1	1350
ST-241	KAFB-241-02-0305	011A	P273505	26260	Normal Environmental Sample #1	1347
ST-241	KAFB-241-02-0305	011A	P273505	26274	Normal Environmental Sample #1	1351
ST-241	KAFB-241-02-0305	011A	P273505	26541	Normal Environmental Sample #1	1346
ST-241	KAFB-241-02-0810	011A	0356060006SA	035606	Normal Environmental Sample #1	1343
ST-241	KAFB-241-02-0810	011A	0356060006SA	9405284A	Normal Environmental Sample #1	1344
ST-241	KAFB-241-02-0810	011A	0356060006SA	940602J	Normal Environmental Sample #1	1348
ST-241	KAFB-241-02-0810	011A	P273506	26250	Normal Environmental Sample #1	1345
ST-241	KAFB-241-02-0810	011A	P273506	26259	Normal Environmental Sample #1	1349
ST-241	KAFB-241-02-0810	011A	P273506	26259	Normal Environmental Sample #1	1350
ST-241	KAFB-241-02-0810	011A	P273506	26260	Normal Environmental Sample #1	1347
ST-241	KAFB-241-02-0810	011A	P273506	26274	Normal Environmental Sample #1	1351
ST-241	KAFB-241-02-0810	011A	P273506	26541	Normal Environmental Sample #1	1346
ST-241	KAFB-241-03-0305	011A	0356060007SA	035606	Normal Environmental Sample #1	1352

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ST-241	KAFB-241-03-0305	011A	0356060007SA	9405284A	Normal Environmental Sample #1	1353
ST-241	KAFB-241-03-0305	011A	0356060007SA	940602J	Normal Environmental Sample #1	1357
ST-241	KAFB-241-03-0305	011A	P273507	26250	Normal Environmental Sample #1	1354
ST-241	KAFB-241-03-0305	011A	P273507	26259	Normal Environmental Sample #1	1358
ST-241	KAFB-241-03-0305	011A	P273507	26259	Normal Environmental Sample #1	1359
ST-241	KAFB-241-03-0305	011A	P273507	26260	Normal Environmental Sample #1	1356
ST-241	KAFB-241-03-0305	011A	P273507	26274	Normal Environmental Sample #1	1360
ST-241	KAFB-241-03-0305	011A	P273507	26541	Normal Environmental Sample #1	1355
ST-241	KAFB-241-03-0810	011A	0356060008SA	035606	Normal Environmental Sample #1	1352
ST-241	KAFB-241-03-0810	011A	0356060008SA	9405284A	Normal Environmental Sample #1	1353
ST-241	KAFB-241-03-0810	011A	0356060008SA	940602J	Normal Environmental Sample #1	1357
ST-241	KAFB-241-03-0810	011A	P273508	26250	Normal Environmental Sample #1	1354
ST-241	KAFB-241-03-0810	011A	P273508	26259	Normal Environmental Sample #1	1358
ST-241	KAFB-241-03-0810	011A	P273508	26259	Normal Environmental Sample #1	1359
ST-241	KAFB-241-03-0810	011A	P273508	26260	Normal Environmental Sample #1	1356
ST-241	KAFB-241-03-0810	011A	P273508	26274	Normal Environmental Sample #1	1360
ST-241	KAFB-241-03-0810	011A	P273508	26541	Normal Environmental Sample #1	1355
ST-241	KAFB-EB-241-052094	011A	0356060002EB	9405281L	Equipment Blank #1	1335
ST-241	KAFB-EB-241-052094	011A	0356060002EB	9405281L	Equipment Blank #1	1339
ST-241	KAFB-EB-241-052094	011A	0356060002EB	9405281L	Equipment Blank #1	1344
ST-241	KAFB-EB-241-052094	011A	0356060002EB	9405281L	Equipment Blank #1	1348
ST-241	KAFB-EB-241-052094	011A	0356060002EB	9405281L	Equipment Blank #1	1353
ST-241	KAFB-EB-241-052094	011A	0356060002EB	9405281L	Equipment Blank #1	1357
ST-241	KAFB-EB-241-052094	011A	0356060002EB	940602J	Equipment Blank #1	1339
ST-241	KAFB-EB-241-052094	011A	0356060002EB	940602J	Equipment Blank #1	1348
ST-241	KAFB-EB-241-052094	011A	0356060002EB	940602J	Equipment Blank #1	1357
ST-241	KAFB-EB-241-052094	011A	P273502	26236	Equipment Blank #1	1340
ST-241	KAFB-EB-241-052094	011A	P273502	26236	Equipment Blank #1	1341
ST-241	KAFB-EB-241-052094	011A	P273502	26236	Equipment Blank #1	1349
ST-241	KAFB-EB-241-052094	011A	P273502	26236	Equipment Blank #1	1350
ST-241	KAFB-EB-241-052094	011A	P273502	26236	Equipment Blank #1	1358
ST-241	KAFB-EB-241-052094	011A	P273502	26236	Equipment Blank #1	1359
ST-241	KAFB-EB-241-052094	011A	P273502	26237	Equipment Blank #1	1338
ST-241	KAFB-EB-241-052094	011A	P273502	26237	Equipment Blank #1	1347
ST-241	KAFB-EB-241-052094	011A	P273502	26237	Equipment Blank #1	1356
ST-241	KAFB-EB-241-052094	011A	P273502	26263	Equipment Blank #1	1336
ST-241	KAFB-EB-241-052094	011A	P273502	26263	Equipment Blank #1	1345
ST-241	KAFB-EB-241-052094	011A	P273502	26263	Equipment Blank #1	1354
ST-241	KAFB-EB-241-052094	011A	P273502	26305	Equipment Blank #1	1337
ST-241	KAFB-EB-241-052094	011A	P273502	26305	Equipment Blank #1	1346
ST-241	KAFB-EB-241-052094	011A	P273502	26305	Equipment Blank #1	1355
ST-241	KAFB-TB-01-052094	011A			Trip Blank #1	1335
ST-241	KAFB-TB-01-052094	011A			Trip Blank #1	1339
ST-241	KAFB-TB-01-052094	011A			Trip Blank #1	1344
ST-241	KAFB-TB-01-052094	011A			Trip Blank #1	1348
ST-241	KAFB-TB-01-052094	011A			Trip Blank #1	1353
ST-241	KAFB-TB-01-052094	011A			Trip Blank #1	1357
ST-241	KAFB-TB-01-052094	011A	0356060001TB	940602J	Trip Blank #1	1339
ST-241	KAFB-TB-01-052094	011A	0356060001TB	940602J	Trip Blank #1	1348
ST-241	KAFB-TB-01-052094	011A	0356060001TB	940602J	Trip Blank #1	1357
ST-242	KAFB-242-01-0611	011A	0354740014SA	035474	Normal Environmental Sample #1	1361
ST-242	KAFB-242-01-0611	011A	0354740014SA	940520A	Normal Environmental Sample #1	1362

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ST-242	KAFB-242-01-0611	011A	0354740014SA	940525N	Normal Environmental Sample #1	1366
ST-242	KAFB-242-01-0611	011A	P273198	26116	Normal Environmental Sample #1	1363
ST-242	KAFB-242-01-0611	011A	P273198	26127	Normal Environmental Sample #1	1367
ST-242	KAFB-242-01-0611	011A	P273198	26127	Normal Environmental Sample #1	1368
ST-242	KAFB-242-01-0611	011A	P273198	26135	Normal Environmental Sample #1	1369
ST-242	KAFB-242-01-0611	011A	P273198	26162	Normal Environmental Sample #1	1365
ST-242	KAFB-242-01-0611	011A	P273198	26246	Normal Environmental Sample #1	1364
ST-242	KAFB-242-01-1117	011A	0354740016MS	940520A	Normal Environmental Sample #1	1362
ST-242	KAFB-242-01-1117	011A	0354740016MS	940523N	Normal Environmental Sample #1	1366
ST-242	KAFB-242-01-1117	011A	0354740016SA	035474	Normal Environmental Sample #1	1361
ST-242	KAFB-242-01-1117	011A	P273200	26116	Normal Environmental Sample #1	1363
ST-242	KAFB-242-01-1117	011A	P273200	26128	Normal Environmental Sample #1	1367
ST-242	KAFB-242-01-1117	011A	P273200	26128	Normal Environmental Sample #1	1368
ST-242	KAFB-242-01-1117	011A	P273200	26135	Normal Environmental Sample #1	1369
ST-242	KAFB-242-01-1117	011A	P273200	26162	Normal Environmental Sample #1	1365
ST-242	KAFB-242-01-1117	011A	P273200	26246	Normal Environmental Sample #1	1364
ST-242	KAFB-242-02-0609	011A	0354740017SA	035474	Normal Environmental Sample #1	1370
ST-242	KAFB-242-02-0609	011A	0354740017SA	940524A	Normal Environmental Sample #1	1371
ST-242	KAFB-242-02-0609	011A	0354740017SA	940525N	Normal Environmental Sample #1	1375
ST-242	KAFB-242-02-0609	011A	P273201	26116	Normal Environmental Sample #1	1372
ST-242	KAFB-242-02-0609	011A	P273201	26128	Normal Environmental Sample #1	1376
ST-242	KAFB-242-02-0609	011A	P273201	26128	Normal Environmental Sample #1	1377
ST-242	KAFB-242-02-0609	011A	P273201	26135	Normal Environmental Sample #1	1378
ST-242	KAFB-242-02-0609	011A	P273201	26162	Normal Environmental Sample #1	1374
ST-242	KAFB-242-02-0609	011A	P273201	26246	Normal Environmental Sample #1	1373
ST-242	KAFB-242-02-1114	011A	0354740018SA	035474	Normal Environmental Sample #1	1370
ST-242	KAFB-242-02-1114	011A	0354740018SA	940524A	Normal Environmental Sample #1	1371
ST-242	KAFB-242-02-1114	011A	0354740018SA	940525N	Normal Environmental Sample #1	1375
ST-242	KAFB-242-02-1114	011A	P273202	26116	Normal Environmental Sample #1	1372
ST-242	KAFB-242-02-1114	011A	P273202	26128	Normal Environmental Sample #1	1376
ST-242	KAFB-242-02-1114	011A	P273202	26128	Normal Environmental Sample #1	1377
ST-242	KAFB-242-02-1114	011A	P273202	26135	Normal Environmental Sample #1	1378
ST-242	KAFB-242-02-1114	011A	P273202	26162	Normal Environmental Sample #1	1374
ST-242	KAFB-242-02-1114	011A	P273202	26246	Normal Environmental Sample #1	1373
ST-242	KAFB-242-03-0608	011A	0355170003SA	035517	Normal Environmental Sample #1	1379
ST-242	KAFB-242-03-0608	011A	0355170003SA	940524A	Normal Environmental Sample #1	1380
ST-242	KAFB-242-03-0608	011A	0355170003SA	940526N	Normal Environmental Sample #1	1384
ST-242	KAFB-242-03-0608	011A	P273283	26162	Normal Environmental Sample #1	1383
ST-242	KAFB-242-03-0608	011A	P273283	26169	Normal Environmental Sample #1	1387
ST-242	KAFB-242-03-0608	011A	P273283	26193	Normal Environmental Sample #1	1381
ST-242	KAFB-242-03-0608	011A	P273283	26247	Normal Environmental Sample #1	1382
ST-242	KAFB-242-03-0608	011A	P273283	27505	Normal Environmental Sample #1	1385
ST-242	KAFB-242-03-0608	011A	P273283	27505	Normal Environmental Sample #1	1386
ST-242	KAFB-242-03-1113	011A	0355170004RA	940606J	Normal Environmental Sample #1	1384
ST-242	KAFB-242-03-1113	011A	0355170004SA	035517	Normal Environmental Sample #1	1379
ST-242	KAFB-242-03-1113	011A	0355170004SA	940524A	Normal Environmental Sample #1	1380
ST-242	KAFB-242-03-1113	011A	P273284	26162	Normal Environmental Sample #1	1383
ST-242	KAFB-242-03-1113	011A	P273284	26169	Normal Environmental Sample #1	1387
ST-242	KAFB-242-03-1113	011A	P273284	26193	Normal Environmental Sample #1	1381
ST-242	KAFB-242-03-1113	011A	P273284	26247	Normal Environmental Sample #1	1382
ST-242	KAFB-242-03-1113	011A	P273284	27505	Normal Environmental Sample #1	1385
ST-242	KAFB-242-03-1113	011A	P273284	27505	Normal Environmental Sample #1	1386

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ST-242	KAFB-242-99-0611	011A	0354740014SA	035474	Field Replicate #1	1361
ST-242	KAFB-242-99-0611	011A	0354740014SA	940520A	Field Replicate #1	1362
ST-242	KAFB-242-99-0611	011A	0354740014SA	940525N	Field Replicate #1	1366
ST-242	KAFB-242-99-0611	011A	P273198	26116	Field Replicate #1	1363
ST-242	KAFB-242-99-0611	011A	P273198	26127	Field Replicate #1	1367
ST-242	KAFB-242-99-0611	011A	P273198	26127	Field Replicate #1	1368
ST-242	KAFB-242-99-0611	011A	P273198	26135	Field Replicate #1	1369
ST-242	KAFB-242-99-0611	011A	P273198	26162	Field Replicate #1	1365
ST-242	KAFB-242-99-0611	011A	P273198	26246	Field Replicate #1	1364
ST-242	KAFB-EB-217-051794	011A	0355170002EB	9405246K	Equipment Blank #1	1380
ST-242	KAFB-EB-217-051794	011A	0355170002EB	9405246K	Equipment Blank #1	1384
ST-242	KAFB-EB-217-051794	011A	0355170002EB	940525N	Equipment Blank #1	1384
ST-242	KAFB-EB-217-051794	011A	P273282	26160	Equipment Blank #1	1385
ST-242	KAFB-EB-217-051794	011A	P273282	26160	Equipment Blank #1	1386
ST-242	KAFB-EB-217-051794,	011A	P273282	26161	Equipment Blank #1	1383
ST-242	KAFB-EB-217-051794	011A	P273282	26210	Equipment Blank #1	1382
ST-242	KAFB-EB-217-051794	011A	P273282	26263	Equipment Blank #1	1381
ST-242	KAFB-TB-01-051694	011A	0354740001TB		Trip Blank #1	1362
ST-242	KAFB-TB-01-051694	011A	0354740001TB		Trip Blank #1	1366
ST-242	KAFB-TB-01-051694	011A	0354740001TB		Trip Blank #1	1371
ST-242	KAFB-TB-01-051694	011A	0354740001TB		Trip Blank #1	1375
ST-242	KAFB-TB-01-051694	011A	0354740001TB	940523N	Trip Blank #1	1366
ST-242	KAFB-TB-01-051694	011A	0354740001TB	940523N	Trip Blank #1	1375
ST-242	KAFB-TB-01-051694	011A	0354740002EB	9405186A	Equipment Blank #1	1362
ST-242	KAFB-TB-01-051694	011A	0354740002EB	9405186A	Equipment Blank #1	1366
ST-242	KAFB-TB-01-051694	011A	0354740002EB	9405186A	Equipment Blank #1	1371
ST-242	KAFB-TB-01-051694	011A	0354740002EB	9405186A	Equipment Blank #1	1375
ST-242	KAFB-TB-01-051694	011A	0354740002EB	940523N	Equipment Blank #1	1366
ST-242	KAFB-TB-01-051694	011A	0354740002EB	940523N	Equipment Blank #1	1375
ST-242	KAFB-TB-01-051694	011A	P273187	26124	Equipment Blank #1	1367
ST-242	KAFB-TB-01-051694	011A	P273187	26124	Equipment Blank #1	1368
ST-242	KAFB-TB-01-051694	011A	P273187	26124	Equipment Blank #1	1376
ST-242	KAFB-TB-01-051694	011A	P273187	26124	Equipment Blank #1	1377
ST-242	KAFB-TB-01-051694	011A	P273187	26125	Equipment Blank #1	1365
ST-242	KAFB-TB-01-051694	011A	P273187	26125	Equipment Blank #1	1374
ST-242	KAFB-TB-01-051694	011A	P273187	26210	Equipment Blank #1	1364
ST-242	KAFB-TB-01-051694	011A	P273187	26210	Equipment Blank #1	1373
ST-242	KAFB-TB-01-051694	011A	P273187	26263	Equipment Blank #1	1363
ST-242	KAFB-TB-01-051694	011A	P273187	26263	Equipment Blank #1	1372
ST-242	KAFB-TB-01-051794	011A			Trip Blank #1	1380
ST-242	KAFB-TB-01-051794	011A			Trip Blank #1	1384
ST-242	KAFB-TB-01-051794	011A	0355170001TB	940525N	Trip Blank #1	1384
ST-243	KAFB-243-01-0307	011A	0354740003SA	035474	Normal Environmental Sample #1	1388
ST-243	KAFB-243-01-0307	011A	0354740003SA	940520A	Normal Environmental Sample #1	1389
ST-243	KAFB-243-01-0307	011A	0354740003SA	940523N	Normal Environmental Sample #1	1393
ST-243	KAFB-243-01-0307	011A	P273188	26116	Normal Environmental Sample #1	1390
ST-243	KAFB-243-01-0307	011A	P273188	26127	Normal Environmental Sample #1	1394
ST-243	KAFB-243-01-0307	011A	P273188	26127	Normal Environmental Sample #1	1395
ST-243	KAFB-243-01-0307	011A	P273188	26135	Normal Environmental Sample #1	1396
ST-243	KAFB-243-01-0307	011A	P273188	26162	Normal Environmental Sample #1	1392
ST-243	KAFB-243-01-0307	011A	P273188	26246	Normal Environmental Sample #1	1391
ST-243	KAFB-243-01-0810	011A	0354740005SA	035474	Normal Environmental Sample #1	1388

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ST-243	KAFB-243-01-0810	011A	0354740005SA	940520A	Normal Environmental Sample #1	1389
ST-243	KAFB-243-01-0810	011A	0354740005SA	940524N	Normal Environmental Sample #1	1393
ST-243	KAFB-243-01-0810	011A	P273190	26116	Normal Environmental Sample #1	1390
ST-243	KAFB-243-01-0810	011A	P273190	26127	Normal Environmental Sample #1	1394
ST-243	KAFB-243-01-0810	011A	P273190	26127	Normal Environmental Sample #1	1395
ST-243	KAFB-243-01-0810	011A	P273190	26135	Normal Environmental Sample #1	1396
ST-243	KAFB-243-01-0810	011A	P273190	26162	Normal Environmental Sample #1	1392
ST-243	KAFB-243-01-0810	011A	P273190	26246	Normal Environmental Sample #1	1391
ST-243	KAFB-243-02-0308	011A	0354740006SA	035474	Normal Environmental Sample #1	1397
ST-243	KAFB-243-02-0308	011A	0354740006SA	940520A	Normal Environmental Sample #1	1398
ST-243	KAFB-243-02-0308	011A	0354740006SA	940525N	Normal Environmental Sample #1	1402
ST-243	KAFB-243-02-0308	011A	P273191	26116	Normal Environmental Sample #1	1399
ST-243	KAFB-243-02-0308	011A	P273191	26127	Normal Environmental Sample #1	1403
ST-243	KAFB-243-02-0308	011A	P273191	26127	Normal Environmental Sample #1	1404
ST-243	KAFB-243-02-0308	011A	P273191	26135	Normal Environmental Sample #1	1405
ST-243	KAFB-243-02-0308	011A	P273191	26162	Normal Environmental Sample #1	1401
ST-243	KAFB-243-02-0308	011A	P273191	26246	Normal Environmental Sample #1	1400
ST-243	KAFB-243-02-0811	011A	0354740007SA	035474	Normal Environmental Sample #1	1397
ST-243	KAFB-243-02-0811	011A	0354740007SA	940520A	Normal Environmental Sample #1	1398
ST-243	KAFB-243-02-0811	011A	0354740007SA	940524N	Normal Environmental Sample #1	1402
ST-243	KAFB-243-02-0811	011A	P273192	26116	Normal Environmental Sample #1	1399
ST-243	KAFB-243-02-0811	011A	P273192	26127	Normal Environmental Sample #1	1403
ST-243	KAFB-243-02-0811	011A	P273192	26127	Normal Environmental Sample #1	1404
ST-243	KAFB-243-02-0811	011A	P273192	26135	Normal Environmental Sample #1	1405
ST-243	KAFB-243-02-0811	011A	P273192	26162	Normal Environmental Sample #1	1401
ST-243	KAFB-243-02-0811	011A	P273192	26246	Normal Environmental Sample #1	1400
ST-243	KAFB-243-03-0305	011A	0354740008SA	035474	Normal Environmental Sample #1	1406
ST-243	KAFB-243-03-0305	011A	0354740008SA	940520A	Normal Environmental Sample #1	1407
ST-243	KAFB-243-03-0305	011A	0354740008SA	940524N	Normal Environmental Sample #1	1411
ST-243	KAFB-243-03-0811	011A	0354740009SA	035474	Normal Environmental Sample #1	1406
ST-243	KAFB-243-03-0811	011A	0354740009SA	940520A	Normal Environmental Sample #1	1407
ST-243	KAFB-243-03-0811	011A	0354740009SA	940524N	Normal Environmental Sample #1	1411
ST-243	KAFB-243-03-0811	011A	P273193	26116	Normal Environmental Sample #1	1408
ST-243	KAFB-243-03-0811	011A	P273193	26127	Normal Environmental Sample #1	1412
ST-243	KAFB-243-03-0811	011A	P273193	26127	Normal Environmental Sample #1	1413
ST-243	KAFB-243-03-0811	011A	P273193	26135	Normal Environmental Sample #1	1414
ST-243	KAFB-243-03-0811	011A	P273193	26162	Normal Environmental Sample #1	1410
ST-243	KAFB-243-03-0811	011A	P273193	26246	Normal Environmental Sample #1	1409
ST-243	KAFB-243-04-0305	011A	0354740010SA	035474	Normal Environmental Sample #1	1415
ST-243	KAFB-243-04-0305	011A	0354740010SA	940520A	Normal Environmental Sample #1	1416
ST-243	KAFB-243-04-0305	011A	0354740010SA	940524N	Normal Environmental Sample #1	1420
ST-243	KAFB-243-04-0305	011A	P273194	26116	Normal Environmental Sample #1	1417
ST-243	KAFB-243-04-0305	011A	P273194	26127	Normal Environmental Sample #1	1421
ST-243	KAFB-243-04-0305	011A	P273194	26127	Normal Environmental Sample #1	1422
ST-243	KAFB-243-04-0305	011A	P273194	26135	Normal Environmental Sample #1	1423
ST-243	KAFB-243-04-0305	011A	P273194	26162	Normal Environmental Sample #1	1419
ST-243	KAFB-243-04-0305	011A	P273194	26246	Normal Environmental Sample #1	1418
ST-243	KAFB-243-04-0812	011A	0354740011SA	035474	Normal Environmental Sample #1	1415
ST-243	KAFB-243-04-0812	011A	0354740011SA	940520A	Normal Environmental Sample #1	1416
ST-243	KAFB-243-04-0812	011A	0354740011SA	940524N	Normal Environmental Sample #1	1420
ST-243	KAFB-243-04-0812	011A	P273195	26127	Normal Environmental Sample #1	1421
ST-243	KAFB-243-04-0812	011A	P273195	26127	Normal Environmental Sample #1	1422

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Site	Field ID	Fld Lot	Lab ID	Lab Lot	Sample Description	Page
ST-243	KAFB-243-04-0812	011A	P273195	26135	Normal Environmental Sample #1	1423
ST-243	KAFB-243-04-0812	011A	P273195	26162	Normal Environmental Sample #1	1419
ST-243	KAFB-243-04-0812	011A	P273195	26246	Normal Environmental Sample #1	1418
ST-243	KAFB-243-04-0812	011A	P273195	26528	Normal Environmental Sample #1	1417
ST-243	KAFB-243-05-0306	011A	0354740012SA	035474	Normal Environmental Sample #1	1424
ST-243	KAFB-243-05-0306	011A	0354740012SA	940520A	Normal Environmental Sample #1	1425
ST-243	KAFB-243-05-0306	011A	0354740012SA	940524N	Normal Environmental Sample #1	1429
ST-243	KAFB-243-05-0306	011A	P273196	26127	Normal Environmental Sample #1	1430
ST-243	KAFB-243-05-0306	011A	P273196	26127	Normal Environmental Sample #1	1431
ST-243	KAFB-243-05-0306	011A	P273196	26135	Normal Environmental Sample #1	1432
ST-243	KAFB-243-05-0306	011A	P273196	26162	Normal Environmental Sample #1	1428
ST-243	KAFB-243-05-0306	011A	P273196	26193	Normal Environmental Sample #1	1426
ST-243	KAFB-243-05-0306	011A	P273196	26246	Normal Environmental Sample #1	1427
ST-243	KAFB-243-05-0811	011A	0354740013SA	035474	Normal Environmental Sample #1	1424
ST-243	KAFB-243-05-0811	011A	0354740013SA	940520A	Normal Environmental Sample #1	1425
ST-243	KAFB-243-05-0811	011A	0354740013SA	940525N	Normal Environmental Sample #1	1429
ST-243	KAFB-243-05-0811	011A	P273197	26127	Normal Environmental Sample #1	1430
ST-243	KAFB-243-05-0811	011A	P273197	26127	Normal Environmental Sample #1	1431
ST-243	KAFB-243-05-0811	011A	P273197	26135	Normal Environmental Sample #1	1432
ST-243	KAFB-243-05-0811	011A	P273197	26162	Normal Environmental Sample #1	1428
ST-243	KAFB-243-05-0811	011A	P273197	26193	Normal Environmental Sample #1	1426
ST-243	KAFB-243-05-0811	011A	P273197	26246	Normal Environmental Sample #1	1427
ST-243	KAFB-243-99-0307	011A	0354740003SA	035474	Field Replicate #1	1388
ST-243	KAFB-243-99-0307	011A	0354740003SA	940520A	Field Replicate #1	1389
ST-243	KAFB-243-99-0307	011A	0354740003SA	940523N	Field Replicate #1	1393
ST-243	KAFB-243-99-0307	011A	P273188	26116	Field Replicate #1	1390
ST-243	KAFB-243-99-0307	011A	P273188	26127	Field Replicate #1	1394
ST-243	KAFB-243-99-0307	011A	P273188	26127	Field Replicate #1	1395
ST-243	KAFB-243-99-0307	011A	P273188	26135	Field Replicate #1	1396
ST-243	KAFB-243-99-0307	011A	P273188	26162	Field Replicate #1	1392
ST-243	KAFB-243-99-0307	011A	P273188	26246	Field Replicate #1	1391
ST-243	KAFB-TB-01-051694	011A	0354740001TB		Trip Blank #1	1389
ST-243	KAFB-TB-01-051694	011A	0354740001TB		Trip Blank #1	1393
ST-243	KAFB-TB-01-051694	011A	0354740001TB		Trip Blank #1	1398
ST-243	KAFB-TB-01-051694	011A	0354740001TB		Trip Blank #1	1402
ST-243	KAFB-TB-01-051694	011A	0354740001TB		Trip Blank #1	1407
ST-243	KAFB-TB-01-051694	011A	0354740001TB		Trip Blank #1	1411
ST-243	KAFB-TB-01-051694	011A	0354740001TB		Trip Blank #1	1416
ST-243	KAFB-TB-01-051694	011A	0354740001TB		Trip Blank #1	1420
ST-243	KAFB-TB-01-051694	011A	0354740001TB		Trip Blank #1	1425
ST-243	KAFB-TB-01-051694	011A	0354740001TB		Trip Blank #1	1429
ST-243	KAFB-TB-01-051694	011A	0354740001TB	940523N	Trip Blank #1	1393
ST-243	KAFB-TB-01-051694	011A	0354740001TB	940523N	Trip Blank #1	1402
ST-243	KAFB-TB-01-051694	011A	0354740001TB	940523N	Trip Blank #1	1411
ST-243	KAFB-TB-01-051694	011A	0354740001TB	940523N	Trip Blank #1	1420
ST-243	KAFB-TB-01-051694	011A	0354740001TB	940523N	Trip Blank #1	1429
ST-243	KAFB-TB-01-051694	011A	0354740002EB	9405186A	Equipment Blank #1	1389
ST-243	KAFB-TB-01-051694	011A	0354740002EB	9405186A	Equipment Blank #1	1393
ST-243	KAFB-TB-01-051694	011A	0354740002EB	9405186A	Equipment Blank #1	1398
ST-243	KAFB-TB-01-051694	011A	0354740002EB	9405186A	Equipment Blank #1	1402
ST-243	KAFB-TB-01-051694	011A	0354740002EB	9405186A	Equipment Blank #1	1407
ST-243	KAFB-TB-01-051694	011A	0354740002EB	9405186A	Equipment Blank #1	1411

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Site	Field ID	Fld Lot	Lab ID	Lab Lot	Sample Description	Page
ST-243	KAFB-TB-01-051694	011A	0354740002EB	9405186A	Equipment Blank #1	1416
ST-243	KAFB-TB-01-051694	011A	0354740002EB	9405186A	Equipment Blank #1	1420
ST-243	KAFB-TB-01-051694	011A	0354740002EB	9405186A	Equipment Blank #1	1425
ST-243	KAFB-TB-01-051694	011A	0354740002EB	9405186A	Equipment Blank #1	1429
ST-243	KAFB-TB-01-051694	011A	0354740002EB	940523N	Equipment Blank #1	1393
ST-243	KAFB-TB-01-051694	011A	0354740002EB	940523N	Equipment Blank #1	1402
ST-243	KAFB-TB-01-051694	011A	0354740002EB	940523N	Equipment Blank #1	1411
ST-243	KAFB-TB-01-051694	011A	0354740002EB	940523N	Equipment Blank #1	1420
ST-243	KAFB-TB-01-051694	011A	0354740002EB	940523N	Equipment Blank #1	1429
ST-243	KAFB-TB-01-051694	011A	P273187	26124	Equipment Blank #1	1394
ST-243	KAFB-TB-01-051694	011A	P273187	26124	Equipment Blank #1	1395
ST-243	KAFB-TB-01-051694	011A	P273187	26124	Equipment Blank #1	1403
ST-243	KAFB-TB-01-051694	011A	P273187	26124	Equipment Blank #1	1404
ST-243	KAFB-TB-01-051694	011A	P273187	26124	Equipment Blank #1	1412
ST-243	KAFB-TB-01-051694	011A	P273187	26124	Equipment Blank #1	1413
ST-243	KAFB-TB-01-051694	011A	P273187	26124	Equipment Blank #1	1421
ST-243	KAFB-TB-01-051694	011A	P273187	26124	Equipment Blank #1	1422
ST-243	KAFB-TB-01-051694	011A	P273187	26124	Equipment Blank #1	1430
ST-243	KAFB-TB-01-051694	011A	P273187	26124	Equipment Blank #1	1431
ST-243	KAFB-TB-01-051694	011A	P273187	26125	Equipment Blank #1	1392
ST-243	KAFB-TB-01-051694	011A	P273187	26125	Equipment Blank #1	1401
ST-243	KAFB-TB-01-051694	011A	P273187	26125	Equipment Blank #1	1410
ST-243	KAFB-TB-01-051694	011A	P273187	26125	Equipment Blank #1	1419
ST-243	KAFB-TB-01-051694	011A	P273187	26125	Equipment Blank #1	1428
ST-243	KAFB-TB-01-051694	011A	P273187	26210	Equipment Blank #1	1391
ST-243	KAFB-TB-01-051694	011A	P273187	26210	Equipment Blank #1	1400
ST-243	KAFB-TB-01-051694	011A	P273187	26210	Equipment Blank #1	1409
ST-243	KAFB-TB-01-051694	011A	P273187	26210	Equipment Blank #1	1418
ST-243	KAFB-TB-01-051694	011A	P273187	26210	Equipment Blank #1	1427
ST-243	KAFB-TB-01-051694	011A	P273187	26263	Equipment Blank #1	1390
ST-243	KAFB-TB-01-051694	011A	P273187	26263	Equipment Blank #1	1399
ST-243	KAFB-TB-01-051694	011A	P273187	26263	Equipment Blank #1	1408
ST-243	KAFB-TB-01-051694	011A	P273187	26263	Equipment Blank #1	1417
ST-243	KAFB-TB-01-051694	011A	P273187	26263	Equipment Blank #1	1426
ST-244	KAFB-244-01-0812	011A	0357140003SA	035714	Normal Environmental Sample #1	1433
ST-244	KAFB-244-01-0812	011A	0357140003SA	940606J	Normal Environmental Sample #1	1438
ST-244	KAFB-244-01-0812	011A	0357140003SA	9406086K	Normal Environmental Sample #1	1434
ST-244	KAFB-244-01-0812	011A	P274336	26402	Normal Environmental Sample #1	1441
ST-244	KAFB-244-01-0812	011A	P274336	26405	Normal Environmental Sample #1	1435
ST-244	KAFB-244-01-0812	011A	P274336	26446	Normal Environmental Sample #1	1439
ST-244	KAFB-244-01-0812	011A	P274336	26446	Normal Environmental Sample #1	1440
ST-244	KAFB-244-01-0812	011A	P274336	26447	Normal Environmental Sample #1	1437
ST-244	KAFB-244-01-0812	011A	P274336	26542	Normal Environmental Sample #1	1436
ST-244	KAFB-244-01-1822	011A	0357140005MS	9406046K	Normal Environmental Sample #1	1434
ST-244	KAFB-244-01-1822	011A	0357140005MS	940607J	Normal Environmental Sample #1	1438
ST-244	KAFB-244-01-1822	011A	0357140005SA	035714	Normal Environmental Sample #1	1433
ST-244	KAFB-244-01-1822	011A	P274338	26402	Normal Environmental Sample #1	1441
ST-244	KAFB-244-01-1822	011A	P274338	26405	Normal Environmental Sample #1	1435
ST-244	KAFB-244-01-1822	011A	P274338	26446	Normal Environmental Sample #1	1439
ST-244	KAFB-244-01-1822	011A	P274338	26446	Normal Environmental Sample #1	1440
ST-244	KAFB-244-01-1822	011A	P274338	26447	Normal Environmental Sample #1	1437
ST-244	KAFB-244-01-1822	011A	P274338	26542	Normal Environmental Sample #1	1436

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ST-244	KAFB-244-02-0305	011A	0357140006SA	035714	Normal Environmental Sample #1	1442
ST-244	KAFB-244-02-0305	011A	0357140006SA	9406036K	Normal Environmental Sample #1	1443
ST-244	KAFB-244-02-0305	011A	0357140006SA	940606J	Normal Environmental Sample #1	1447
ST-244	KAFB-244-02-0305	011A	P274339	26402	Normal Environmental Sample #1	1450
ST-244	KAFB-244-02-0305	011A	P274339	26405	Normal Environmental Sample #1	1444
ST-244	KAFB-244-02-0305	011A	P274339	26446	Normal Environmental Sample #1	1448
ST-244	KAFB-244-02-0305	011A	P274339	26446	Normal Environmental Sample #1	1449
ST-244	KAFB-244-02-0305	011A	P274339	26447	Normal Environmental Sample #1	1446
ST-244	KAFB-244-02-0305	011A	P274339	26542	Normal Environmental Sample #1	1445
ST-244	KAFB-244-02-0810	011A	0357140007SA	035714	Normal Environmental Sample #1	1442
ST-244	KAFB-244-02-0810	011A	0357140007SA	9406036K	Normal Environmental Sample #1	1443
ST-244	KAFB-244-02-0810	011A	0357140007SA	940607J	Normal Environmental Sample #1	1447
ST-244	KAFB-244-02-0810	011A	P274340	26402	Normal Environmental Sample #1	1450
ST-244	KAFB-244-02-0810	011A	P274340	26405	Normal Environmental Sample #1	1444
ST-244	KAFB-244-02-0810	011A	P274340	26446	Normal Environmental Sample #1	1448
ST-244	KAFB-244-02-0810	011A	P274340	26446	Normal Environmental Sample #1	1449
ST-244	KAFB-244-02-0810	011A	P274340	26447	Normal Environmental Sample #1	1446
ST-244	KAFB-244-02-0810	011A	P274340	26542	Normal Environmental Sample #1	1445
ST-244	KAFB-244-03-0305	011A	0357140008SA	035714	Normal Environmental Sample #1	1451
ST-244	KAFB-244-03-0305	011A	0357140008SA	9406036K	Normal Environmental Sample #1	1452
ST-244	KAFB-244-03-0305	011A	0357140008SA	940607J	Normal Environmental Sample #1	1456
ST-244	KAFB-244-03-0305	011A	P274341	26402	Normal Environmental Sample #1	1459
ST-244	KAFB-244-03-0305	011A	P274341	26405	Normal Environmental Sample #1	1453
ST-244	KAFB-244-03-0305	011A	P274341	26446	Normal Environmental Sample #1	1457
ST-244	KAFB-244-03-0305	011A	P274341	26446	Normal Environmental Sample #1	1458
ST-244	KAFB-244-03-0305	011A	P274341	26447	Normal Environmental Sample #1	1455
ST-244	KAFB-244-03-0305	011A	P274341	26542	Normal Environmental Sample #1	1454
ST-244	KAFB-244-03-0810	011A	0357140009SA	035714	Normal Environmental Sample #1	1451
ST-244	KAFB-244-03-0810	011A	0357140009SA	9406036K	Normal Environmental Sample #1	1452
ST-244	KAFB-244-03-0810	011A	0357140009SA	940607J	Normal Environmental Sample #1	1456
ST-244	KAFB-244-03-0810	011A	P274342	26402	Normal Environmental Sample #1	1459
ST-244	KAFB-244-03-0810	011A	P274342	26405	Normal Environmental Sample #1	1453
ST-244	KAFB-244-03-0810	011A	P274342	26446	Normal Environmental Sample #1	1457
ST-244	KAFB-244-03-0810	011A	P274342	26446	Normal Environmental Sample #1	1458
ST-244	KAFB-244-03-0810	011A	P274342	26447	Normal Environmental Sample #1	1455
ST-244	KAFB-244-03-0810	011A	P274342	26542	Normal Environmental Sample #1	1454
ST-244	KAFB-244-04-0305	011A	0357140010SA	035714	Normal Environmental Sample #1	1460
ST-244	KAFB-244-04-0305	011A	0357140010SA	9406036K	Normal Environmental Sample #1	1461
ST-244	KAFB-244-04-0305	011A	0357140010SA	940607J	Normal Environmental Sample #1	1465
ST-244	KAFB-244-04-0305	011A	P274343	26402	Normal Environmental Sample #1	1468
ST-244	KAFB-244-04-0305	011A	P274343	26405	Normal Environmental Sample #1	1462
ST-244	KAFB-244-04-0305	011A	P274343	26446	Normal Environmental Sample #1	1466
ST-244	KAFB-244-04-0305	011A	P274343	26446	Normal Environmental Sample #1	1467
ST-244	KAFB-244-04-0305	011A	P274343	26447	Normal Environmental Sample #1	1464
ST-244	KAFB-244-04-0305	011A	P274343	26542	Normal Environmental Sample #1	1463
ST-244	KAFB-244-04-0810	011A	0357140011SA	035714	Normal Environmental Sample #1	1460
ST-244	KAFB-244-04-0810	011A	0357140011SA	9406046K	Normal Environmental Sample #1	1461
ST-244	KAFB-244-04-0810	011A	0357140011SA	940607J	Normal Environmental Sample #1	1465
ST-244	KAFB-244-04-0810	011A	P274344	26402	Normal Environmental Sample #1	1468
ST-244	KAFB-244-04-0810	011A	P274344	26405	Normal Environmental Sample #1	1462
ST-244	KAFB-244-04-0810	011A	P274344	26446	Normal Environmental Sample #1	1466
ST-244	KAFB-244-04-0810	011A	P274344	26446	Normal Environmental Sample #1	1467

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ST-244	KAFB-244-04-0810	011A	P274344	26447	Normal Environmental Sample #1	1464
ST-244	KAFB-244-04-0810	011A	P274344	26542	Normal Environmental Sample #1	1463
ST-244	KAFB-244-05-0305	011A	0357140012SA	035714	Normal Environmental Sample #1	1469
ST-244	KAFB-244-05-0305	011A	0357140012SA	9406046K	Normal Environmental Sample #1	1470
ST-244	KAFB-244-05-0305	011A	0357140012SA	940607J	Normal Environmental Sample #1	1474
ST-244	KAFB-244-05-0305	011A	P274345	26402	Normal Environmental Sample #1	1477
ST-244	KAFB-244-05-0305	011A	P274345	26405	Normal Environmental Sample #1	1471
ST-244	KAFB-244-05-0305	011A	P274345	26446	Normal Environmental Sample #1	1475
ST-244	KAFB-244-05-0305	011A	P274345	26446	Normal Environmental Sample #1	1476
ST-244	KAFB-244-05-0305	011A	P274345	26447	Normal Environmental Sample #1	1473
ST-244	KAFB-244-05-0305	011A	P274345	26542	Normal Environmental Sample #1	1472
ST-244	KAFB-244-05-0810	011A	0357140013SA	035714	Normal Environmental Sample #1	1469
ST-244	KAFB-244-05-0810	011A	0357140013SA	9406046K	Normal Environmental Sample #1	1470
ST-244	KAFB-244-05-0810	011A	0357140013SA	940607J	Normal Environmental Sample #1	1474
ST-244	KAFB-244-05-0810	011A	P274346	26402	Normal Environmental Sample #1	1477
ST-244	KAFB-244-05-0810	011A	P274346	26405	Normal Environmental Sample #1	1471
ST-244	KAFB-244-05-0810	011A	P274346	26446	Normal Environmental Sample #1	1475
ST-244	KAFB-244-05-0810	011A	P274346	26446	Normal Environmental Sample #1	1476
ST-244	KAFB-244-05-0810	011A	P274346	26447	Normal Environmental Sample #1	1473
ST-244	KAFB-244-05-0810	011A	P274346	26542	Normal Environmental Sample #1	1472
ST-244	KAFB-244-99-0812	011A	0357140003SA	035714	Field Replicate #1	1433
ST-244	KAFB-244-99-0812	011A	0357140003SA	940606J	Field Replicate #1	1438
ST-244	KAFB-244-99-0812	011A	0357140003SA	9406086K	Field Replicate #1	1434
ST-244	KAFB-244-99-0812	011A	P274336	26402	Field Replicate #1	1441
ST-244	KAFB-244-99-0812	011A	P274336	26405	Field Replicate #1	1435
ST-244	KAFB-244-99-0812	011A	P274336	26446	Field Replicate #1	1439
ST-244	KAFB-244-99-0812	011A	P274336	26446	Field Replicate #1	1440
ST-244	KAFB-244-99-0812	011A	P274336	26447	Field Replicate #1	1437
ST-244	KAFB-244-99-0812	011A	P274336	26542	Field Replicate #1	1436
ST-244	KAFB-EB-244-052594	011A	0357140002EB	9406026K	Equipment Blank #1	1434
ST-244	KAFB-EB-244-052594	011A	0357140002EB	9406026K	Equipment Blank #1	1438
ST-244	KAFB-EB-244-052594	011A	0357140002EB	9406026K	Equipment Blank #1	1443
ST-244	KAFB-EB-244-052594	011A	0357140002EB	9406026K	Equipment Blank #1	1447
ST-244	KAFB-EB-244-052594	011A	0357140002EB	9406026K	Equipment Blank #1	1452
ST-244	KAFB-EB-244-052594	011A	0357140002EB	9406026K	Equipment Blank #1	1456
ST-244	KAFB-EB-244-052594	011A	0357140002EB	9406026K	Equipment Blank #1	1461
ST-244	KAFB-EB-244-052594	011A	0357140002EB	9406026K	Equipment Blank #1	1465
ST-244	KAFB-EB-244-052594	011A	0357140002EB	9406026K	Equipment Blank #1	1470
ST-244	KAFB-EB-244-052594	011A	0357140002EB	9406026K	Equipment Blank #1	1474
ST-244	KAFB-EB-244-052594	011A	0357140002EB	940606J	Equipment Blank #1	1438
ST-244	KAFB-EB-244-052594	011A	0357140002EB	940606J	Equipment Blank #1	1447
ST-244	KAFB-EB-244-052594	011A	0357140002EB	940606J	Equipment Blank #1	1456
ST-244	KAFB-EB-244-052594	011A	0357140002EB	940606J	Equipment Blank #1	1465
ST-244	KAFB-EB-244-052594	011A	0357140002EB	940606J	Equipment Blank #1	1474
ST-244	KAFB-EB-244-052594	011A	P274335	26389	Equipment Blank #1	1439
ST-244	KAFB-EB-244-052594	011A	P274335	26389	Equipment Blank #1	1440
ST-244	KAFB-EB-244-052594	011A	P274335	26389	Equipment Blank #1	1448
ST-244	KAFB-EB-244-052594	011A	P274335	26389	Equipment Blank #1	1449
ST-244	KAFB-EB-244-052594	011A	P274335	26389	Equipment Blank #1	1457
ST-244	KAFB-EB-244-052594	011A	P274335	26389	Equipment Blank #1	1458
ST-244	KAFB-EB-244-052594	011A	P274335	26389	Equipment Blank #1	1466
ST-244	KAFB-EB-244-052594	011A	P274335	26389	Equipment Blank #1	1467

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ST-244	KAFB-EB-244-052594	011A	P274335	26389	Equipment Blank #1	1475
ST-244	KAFB-EB-244-052594	011A	P274335	26389	Equipment Blank #1	1476
ST-244	KAFB-EB-244-052594	011A	P274335	26390	Equipment Blank #1	1437
ST-244	KAFB-EB-244-052594	011A	P274335	26390	Equipment Blank #1	1446
ST-244	KAFB-EB-244-052594	011A	P274335	26390	Equipment Blank #1	1455
ST-244	KAFB-EB-244-052594	011A	P274335	26390	Equipment Blank #1	1464
ST-244	KAFB-EB-244-052594	011A	P274335	26390	Equipment Blank #1	1473
ST-244	KAFB-EB-244-052594	011A	P274335	26396	Equipment Blank #1	1436
ST-244	KAFB-EB-244-052594	011A	P274335	26396	Equipment Blank #1	1445
ST-244	KAFB-EB-244-052594	011A	P274335	26396	Equipment Blank #1	1454
ST-244	KAFB-EB-244-052594	011A	P274335	26396	Equipment Blank #1	1463
ST-244	KAFB-EB-244-052594	011A	P274335	26396	Equipment Blank #1	1472
ST-244	KAFB-EB-244-052594	011A	P274335	26517	Equipment Blank #1	1435
ST-244	KAFB-EB-244-052594	011A	P274335	26517	Equipment Blank #1	1444
ST-244	KAFB-EB-244-052594,	011A	P274335	26517	Equipment Blank #1	1453
ST-244	KAFB-EB-244-052594	011A	P274335	26517	Equipment Blank #1	1462
ST-244	KAFB-EB-244-052594	011A	P274335	26517	Equipment Blank #1	1471
ST-244	KAFB-TB-01-052594	011A			Trip Blank #1	1434
ST-244	KAFB-TB-01-052594	011A			Trip Blank #1	1438
ST-244	KAFB-TB-01-052594	011A			Trip Blank #1	1443
ST-244	KAFB-TB-01-052594	011A			Trip Blank #1	1447
ST-244	KAFB-TB-01-052594	011A			Trip Blank #1	1452
ST-244	KAFB-TB-01-052594	011A			Trip Blank #1	1456
ST-244	KAFB-TB-01-052594	011A			Trip Blank #1	1461
ST-244	KAFB-TB-01-052594	011A			Trip Blank #1	1465
ST-244	KAFB-TB-01-052594	011A			Trip Blank #1	1470
ST-244	KAFB-TB-01-052594	011A			Trip Blank #1	1474
ST-244	KAFB-TB-01-052594	011A	0357140001TB	940606J	Trip Blank #1	1438
ST-244	KAFB-TB-01-052594	011A	0357140001TB	940606J	Trip Blank #1	1447
ST-244	KAFB-TB-01-052594	011A	0357140001TB	940606J	Trip Blank #1	1456
ST-244	KAFB-TB-01-052594	011A	0357140001TB	940606J	Trip Blank #1	1465
ST-244	KAFB-TB-01-052594	011A	0357140001TB	940606J	Trip Blank #1	1474
ST-245	KAFB-245-01-0810	011A			Normal Environmental Sample #1	1484
ST-245	KAFB-245-01-0810	011A			Normal Environmental Sample #1	1485
ST-245	KAFB-245-01-0810	011A	0357140014SA	035714	Normal Environmental Sample #1	1478
ST-245	KAFB-245-01-0810	011A	0357140014SA	9406046K	Normal Environmental Sample #1	1479
ST-245	KAFB-245-01-0810	011A	0357140014SA	940607J	Normal Environmental Sample #1	1483
ST-245	KAFB-245-01-0810	011A	P274347	26402	Normal Environmental Sample #1	1486
ST-245	KAFB-245-01-0810	011A	P274347	26405	Normal Environmental Sample #1	1480
ST-245	KAFB-245-01-0810	011A	P274347	26447	Normal Environmental Sample #1	1482
ST-245	KAFB-245-01-0810	011A	P274347	26557	Normal Environmental Sample #1	1481
ST-245	KAFB-245-01-1822	011A	0357140015SA	035714	Normal Environmental Sample #1	1478
ST-245	KAFB-245-01-1822	011A	0357140015SA	9406046K	Normal Environmental Sample #1	1479
ST-245	KAFB-245-01-1822	011A	0357140015SA	940607J	Normal Environmental Sample #1	1483
ST-245	KAFB-245-01-1822	011A	P274348	26402	Normal Environmental Sample #1	1486
ST-245	KAFB-245-01-1822	011A	P274348	26405	Normal Environmental Sample #1	1480
ST-245	KAFB-245-01-1822	011A	P274348	26446	Normal Environmental Sample #1	1484
ST-245	KAFB-245-01-1822	011A	P274348	26446	Normal Environmental Sample #1	1485
ST-245	KAFB-245-01-1822	011A	P274348	26447	Normal Environmental Sample #1	1482
ST-245	KAFB-245-01-1822	011A	P274348	26557	Normal Environmental Sample #1	1481
ST-245	KAFB-245-99-1822	011A	0357140015SA	035714	Field Replicate #1	1478
ST-245	KAFB-245-99-1822	011A	0357140015SA	9406046K	Field Replicate #1	1479

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ST-245	KAFB-245-99-1822	011A	0357140015SA	940607J	Field Replicate #1	1483
ST-245	KAFB-245-99-1822	011A	P274348	26402	Field Replicate #1	1486
ST-245	KAFB-245-99-1822	011A	P274348	26405	Field Replicate #1	1480
ST-245	KAFB-245-99-1822	011A	P274348	26446	Field Replicate #1	1484
ST-245	KAFB-245-99-1822	011A	P274348	26446	Field Replicate #1	1485
ST-245	KAFB-245-99-1822	011A	P274348	26447	Field Replicate #1	1482
ST-245	KAFB-245-99-1822	011A	P274348	26557	Field Replicate #1	1481
ST-245	KAFB-EB-244-052594	011A	0357140002EB	9406026K	Equipment Blank #1	1479
ST-245	KAFB-EB-244-052594	011A	0357140002EB	9406026K	Equipment Blank #1	1483
ST-245	KAFB-EB-244-052594	011A	0357140002EB	940606J	Equipment Blank #1	1483
ST-245	KAFB-EB-244-052594	011A	P274335	26389	Equipment Blank #1	1484
ST-245	KAFB-EB-244-052594	011A	P274335	26389	Equipment Blank #1	1485
ST-245	KAFB-EB-244-052594	011A	P274335	26390	Equipment Blank #1	1482
ST-245	KAFB-EB-244-052594	011A	P274335	26396	Equipment Blank #1	1481
ST-245	KAFB-EB-244-052594	011A	P274335	26517	Equipment Blank #1	1480
ST-245	KAFB-TB-01-052594	011A			Trip Blank #1	1479
ST-245	KAFB-TB-01-052594	011A			Trip Blank #1	1483
ST-245	KAFB-TB-01-052594	011A	0357140001TB	940606J	Trip Blank #1	1483
ST-246	KAFB-246-01-1013	111A			Normal Environmental Sample #1	1490
ST-246	KAFB-246-01-1013	111A	P268155	24832	Normal Environmental Sample #1	1495
ST-246	KAFB-246-01-1013	111A	P268155	24849	Normal Environmental Sample #1	1493
ST-246	KAFB-246-01-1013	111A	P268155	24849	Normal Environmental Sample #1	1494
ST-246	KAFB-246-01-1013	111A	P268155	24883	Normal Environmental Sample #1	1491
ST-246	KAFB-246-01-1013	111A	P268155	24898	Normal Environmental Sample #1	1487
ST-246	KAFB-246-01-1013	111A	P268155	25023	Normal Environmental Sample #1	1488
ST-246	KAFB-246-01-1013	111A	P268155	25201	Normal Environmental Sample #1	1489
ST-246	KAFB-246-01-1013	111A	P268155	25897	Normal Environmental Sample #1	1492
ST-246	KAFB-246-01-1416	111A			Normal Environmental Sample #1	1490
ST-246	KAFB-246-01-1416	111A	P268157	24832	Normal Environmental Sample #1	1495
ST-246	KAFB-246-01-1416	111A	P268157	24849	Normal Environmental Sample #1	1493
ST-246	KAFB-246-01-1416	111A	P268157	24849	Normal Environmental Sample #1	1494
ST-246	KAFB-246-01-1416	111A	P268157	24883	Normal Environmental Sample #1	1491
ST-246	KAFB-246-01-1416	111A	P268157	24898	Normal Environmental Sample #1	1487
ST-246	KAFB-246-01-1416	111A	P268157	25023	Normal Environmental Sample #1	1488
ST-246	KAFB-246-01-1416	111A	P268157	25201	Normal Environmental Sample #1	1489
ST-246	KAFB-246-01-1416	111A	P268157	25893	Normal Environmental Sample #1	1492
ST-246	KAFB-246-02-1012	011A			Normal Environmental Sample #1	1499
ST-246	KAFB-246-02-1012	011A	P268372	24966	Normal Environmental Sample #1	1504
ST-246	KAFB-246-02-1012	011A	P268372	24981	Normal Environmental Sample #1	1500
ST-246	KAFB-246-02-1012	011A	P268372	24996	Normal Environmental Sample #1	1496
ST-246	KAFB-246-02-1012	011A	P268372	25049	Normal Environmental Sample #1	1502
ST-246	KAFB-246-02-1012	011A	P268372	25049	Normal Environmental Sample #1	1503
ST-246	KAFB-246-02-1012	011A	P268372	25111	Normal Environmental Sample #1	1497
ST-246	KAFB-246-02-1012	011A	P268372	25201	Normal Environmental Sample #1	1498
ST-246	KAFB-246-02-1012	011A	P268372	25894	Normal Environmental Sample #1	1501
ST-246	KAFB-246-02-1517	011A			Normal Environmental Sample #1	1499
ST-246	KAFB-246-02-1517	011A	P268373	24966	Normal Environmental Sample #1	1504
ST-246	KAFB-246-02-1517	011A	P268373	24981	Normal Environmental Sample #1	1500
ST-246	KAFB-246-02-1517	011A	P268373	24996	Normal Environmental Sample #1	1496
ST-246	KAFB-246-02-1517	011A	P268373	25049	Normal Environmental Sample #1	1502
ST-246	KAFB-246-02-1517	011A	P268373	25049	Normal Environmental Sample #1	1503
ST-246	KAFB-246-02-1517	011A	P268373	25111	Normal Environmental Sample #1	1497

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Site	Field ID	Fld Lot	Lab ID	Lab Lot	Sample Description	Page
ST-246	KAFB-246-02-1517	011A	P268373	25201	Normal Environmental Sample #1	1498
ST-246	KAFB-246-02-1517	011A	P268373	25894	Normal Environmental Sample #1	1501
ST-246	KAFB-246-02-2527	011A			Normal Environmental Sample #1	1499
ST-246	KAFB-246-02-2527	011A	P268374	24966	Normal Environmental Sample #1	1504
ST-246	KAFB-246-02-2527	011A	P268374	24981	Normal Environmental Sample #1	1500
ST-246	KAFB-246-02-2527	011A	P268374	24996	Normal Environmental Sample #1	1496
ST-246	KAFB-246-02-2527	011A	P268374	25049	Normal Environmental Sample #1	1502
ST-246	KAFB-246-02-2527	011A	P268374	25049	Normal Environmental Sample #1	1503
ST-246	KAFB-246-02-2527	011A	P268374	25111	Normal Environmental Sample #1	1497
ST-246	KAFB-246-02-2527	011A	P268374	25201	Normal Environmental Sample #1	1498
ST-246	KAFB-246-02-2527	011A	P268374	25894	Normal Environmental Sample #1	1501
ST-246	KAFB-246-03-1014	011A			Normal Environmental Sample #1	1508
ST-246	KAFB-246-03-1014	011A	P268375	24966	Normal Environmental Sample #1	1513
ST-246	KAFB-246-03-1014	011A	P268375	24981	Normal Environmental Sample #1	1509
ST-246	KAFB-246-03-1014	011A	P268375	24996	Normal Environmental Sample #1	1505
ST-246	KAFB-246-03-1014	011A	P268375	25049	Normal Environmental Sample #1	1511
ST-246	KAFB-246-03-1014	011A	P268375	25049	Normal Environmental Sample #1	1512
ST-246	KAFB-246-03-1014	011A	P268375	25111	Normal Environmental Sample #1	1506
ST-246	KAFB-246-03-1014	011A	P268375	25201	Normal Environmental Sample #1	1507
ST-246	KAFB-246-03-1014	011A	P268375	25894	Normal Environmental Sample #1	1510
ST-246	KAFB-246-03-1517	011A			Normal Environmental Sample #1	1508
ST-246	KAFB-246-03-1517	011A	P268376	24966	Normal Environmental Sample #1	1513
ST-246	KAFB-246-03-1517	011A	P268376	24981	Normal Environmental Sample #1	1509
ST-246	KAFB-246-03-1517	011A	P268376	24996	Normal Environmental Sample #1	1505
ST-246	KAFB-246-03-1517	011A	P268376	25049	Normal Environmental Sample #1	1511
ST-246	KAFB-246-03-1517	011A	P268376	25049	Normal Environmental Sample #1	1512
ST-246	KAFB-246-03-1517	011A	P268376	25111	Normal Environmental Sample #1	1506
ST-246	KAFB-246-03-1517	011A	P268376	25201	Normal Environmental Sample #1	1507
ST-246	KAFB-246-03-1517	011A	P268376	25894	Normal Environmental Sample #1	1510
ST-246	KAFB-246-04-1014	011A			Normal Environmental Sample #1	1517
ST-246	KAFB-246-04-1014	011A	P268377	24966	Normal Environmental Sample #1	1522
ST-246	KAFB-246-04-1014	011A	P268377	24981	Normal Environmental Sample #1	1518
ST-246	KAFB-246-04-1014	011A	P268377	24996	Normal Environmental Sample #1	1514
ST-246	KAFB-246-04-1014	011A	P268377	25049	Normal Environmental Sample #1	1520
ST-246	KAFB-246-04-1014	011A	P268377	25049	Normal Environmental Sample #1	1521
ST-246	KAFB-246-04-1014	011A	P268377	25111	Normal Environmental Sample #1	1515
ST-246	KAFB-246-04-1014	011A	P268377	25201	Normal Environmental Sample #1	1516
ST-246	KAFB-246-04-1014	011A	P268377	25894	Normal Environmental Sample #1	1519
ST-246	KAFB-246-04-1519		P268379	24996	Normal Environmental Sample #1	1514
ST-246	KAFB-246-04-1519	011A			Normal Environmental Sample #1	1517
ST-246	KAFB-246-04-1519	011A	P268379	24966	Normal Environmental Sample #1	1522
ST-246	KAFB-246-04-1519	011A	P268379	24982	Normal Environmental Sample #1	1518
ST-246	KAFB-246-04-1519	011A	P268379	25050	Normal Environmental Sample #1	1520
ST-246	KAFB-246-04-1519	011A	P268379	25050	Normal Environmental Sample #1	1521
ST-246	KAFB-246-04-1519	011A	P268379	25142	Normal Environmental Sample #1	1515
ST-246	KAFB-246-04-1519	011A	P268379	25202	Normal Environmental Sample #1	1516
ST-246	KAFB-246-04-1519	011A	P268379	25896	Normal Environmental Sample #1	1519
ST-246	KAFB-246-05-1012	011A			Normal Environmental Sample #1	1526
ST-246	KAFB-246-05-1012	011A	P268380	24966	Normal Environmental Sample #1	1531
ST-246	KAFB-246-05-1012	011A	P268380	24982	Normal Environmental Sample #1	1527
ST-246	KAFB-246-05-1012	011A	P268380	24996	Normal Environmental Sample #1	1523
ST-246	KAFB-246-05-1012	011A	P268380	25049	Normal Environmental Sample #1	1529

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ST-246	KAFB-246-05-1012	011A	P268380	25049	Normal Environmental Sample #1	1530
ST-246	KAFB-246-05-1012	011A	P268380	25111	Normal Environmental Sample #1	1524
ST-246	KAFB-246-05-1012	011A	P268380	25202	Normal Environmental Sample #1	1525
ST-246	KAFB-246-05-1012	011A	P268380	25894	Normal Environmental Sample #1	1528
ST-246	KAFB-246-05-1517	011A			Normal Environmental Sample #1	1526
ST-246	KAFB-246-05-1517	011A	P268381	24966	Normal Environmental Sample #1	1531
ST-246	KAFB-246-05-1517	011A	P268381	24982	Normal Environmental Sample #1	1527
ST-246	KAFB-246-05-1517	011A	P268381	24996	Normal Environmental Sample #1	1523
ST-246	KAFB-246-05-1517	011A	P268381	25049	Normal Environmental Sample #1	1529
ST-246	KAFB-246-05-1517	011A	P268381	25049	Normal Environmental Sample #1	1530
ST-246	KAFB-246-05-1517	011A	P268381	25142	Normal Environmental Sample #1	1524
ST-246	KAFB-246-05-1517	011A	P268381	25202	Normal Environmental Sample #1	1525
ST-246	KAFB-246-05-1517	011A	P268381	25896	Normal Environmental Sample #1	1528
ST-246	KAFB-246-06-1012	011A			Normal Environmental Sample #1	1535
ST-246	KAFB-246-06-1012	011A	P268382	24966	Normal Environmental Sample #1	1540
ST-246	KAFB-246-06-1012	011A	P268382	24982	Normal Environmental Sample #1	1536
ST-246	KAFB-246-06-1012	011A	P268382	24996	Normal Environmental Sample #1	1532
ST-246	KAFB-246-06-1012	011A	P268382	25050	Normal Environmental Sample #1	1538
ST-246	KAFB-246-06-1012	011A	P268382	25050	Normal Environmental Sample #1	1539
ST-246	KAFB-246-06-1012	011A	P268382	25111	Normal Environmental Sample #1	1533
ST-246	KAFB-246-06-1012	011A	P268382	25202	Normal Environmental Sample #1	1534
ST-246	KAFB-246-06-1012	011A	P268382	25896	Normal Environmental Sample #1	1537
ST-246	KAFB-246-06-1517	011A			Normal Environmental Sample #1	1535
ST-246	KAFB-246-06-1517	011A	P268383	24966	Normal Environmental Sample #1	1540
ST-246	KAFB-246-06-1517	011A	P268383	24982	Normal Environmental Sample #1	1536
ST-246	KAFB-246-06-1517	011A	P268383	24996	Normal Environmental Sample #1	1532
ST-246	KAFB-246-06-1517	011A	P268383	25050	Normal Environmental Sample #1	1538
ST-246	KAFB-246-06-1517	011A	P268383	25050	Normal Environmental Sample #1	1539
ST-246	KAFB-246-06-1517	011A	P268383	25142	Normal Environmental Sample #1	1533
ST-246	KAFB-246-06-1517	011A	P268383	25202	Normal Environmental Sample #1	1534
ST-246	KAFB-246-06-1517	011A	P268383	25896	Normal Environmental Sample #1	1537
ST-246	KAFB-246-07-1012	011A			Normal Environmental Sample #1	1544
ST-246	KAFB-246-07-1012	011A	P268384	24966	Normal Environmental Sample #1	1549
ST-246	KAFB-246-07-1012	011A	P268384	24982	Normal Environmental Sample #1	1545
ST-246	KAFB-246-07-1012	011A	P268384	24996	Normal Environmental Sample #1	1541
ST-246	KAFB-246-07-1012	011A	P268384	25050	Normal Environmental Sample #1	1547
ST-246	KAFB-246-07-1012	011A	P268384	25050	Normal Environmental Sample #1	1548
ST-246	KAFB-246-07-1012	011A	P268384	25142	Normal Environmental Sample #1	1542
ST-246	KAFB-246-07-1012	011A	P268384	25202	Normal Environmental Sample #1	1543
ST-246	KAFB-246-07-1012	011A	P268384	25896	Normal Environmental Sample #1	1546
ST-246	KAFB-246-07-1517	011A			Normal Environmental Sample #1	1544
ST-246	KAFB-246-07-1517	011A	P268385	24966	Normal Environmental Sample #1	1549
ST-246	KAFB-246-07-1517	011A	P268385	24982	Normal Environmental Sample #1	1545
ST-246	KAFB-246-07-1517	011A	P268385	24996	Normal Environmental Sample #1	1541
ST-246	KAFB-246-07-1517	011A	P268385	25050	Normal Environmental Sample #1	1547
ST-246	KAFB-246-07-1517	011A	P268385	25050	Normal Environmental Sample #1	1548
ST-246	KAFB-246-07-1517	011A	P268385	25142	Normal Environmental Sample #1	1542
ST-246	KAFB-246-07-1517	011A	P268385	25202	Normal Environmental Sample #1	1543
ST-246	KAFB-246-07-1517	011A	P268385	25896	Normal Environmental Sample #1	1546
ST-246	KAFB-246-08-1012	011A			Normal Environmental Sample #1	1553
ST-246	KAFB-246-08-1012	011A	P268386	24966	Normal Environmental Sample #1	1558
ST-246	KAFB-246-08-1012	011A	P268386	24982	Normal Environmental Sample #1	1554

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ST-246	KAFB-246-08-1012	011A	P268386	24996	Normal Environmental Sample #1	1550
ST-246	KAFB-246-08-1012	011A	P268386	25050	Normal Environmental Sample #1	1556
ST-246	KAFB-246-08-1012	011A	P268386	25050	Normal Environmental Sample #1	1557
ST-246	KAFB-246-08-1012	011A	P268386	25142	Normal Environmental Sample #1	1551
ST-246	KAFB-246-08-1012	011A	P268386	25202	Normal Environmental Sample #1	1552
ST-246	KAFB-246-08-1012	011A	P268386	25896	Normal Environmental Sample #1	1555
ST-246	KAFB-246-08-1517	011A			Normal Environmental Sample #1	1553
ST-246	KAFB-246-08-1517	011A	P268387	24966	Normal Environmental Sample #1	1558
ST-246	KAFB-246-08-1517	011A	P268387	24982	Normal Environmental Sample #1	1554
ST-246	KAFB-246-08-1517	011A	P268387	24996	Normal Environmental Sample #1	1550
ST-246	KAFB-246-08-1517	011A	P268387	25050	Normal Environmental Sample #1	1556
ST-246	KAFB-246-08-1517	011A	P268387	25050	Normal Environmental Sample #1	1557
ST-246	KAFB-246-08-1517	011A	P268387	25142	Normal Environmental Sample #1	1551
ST-246	KAFB-246-08-1517	011A	P268387	25202	Normal Environmental Sample #1	1552
ST-246	KAFB-246-08-1517	011A	P268387	25896	Normal Environmental Sample #1	1555
ST-246	KAFB-246-09-1012	011A			Normal Environmental Sample #1	1562
ST-246	KAFB-246-09-1012	011A	P268388	24966	Normal Environmental Sample #1	1567
ST-246	KAFB-246-09-1012	011A	P268388	24982	Normal Environmental Sample #1	1563
ST-246	KAFB-246-09-1012	011A	P268388	24996	Normal Environmental Sample #1	1559
ST-246	KAFB-246-09-1012	011A	P268388	25050	Normal Environmental Sample #1	1565
ST-246	KAFB-246-09-1012	011A	P268388	25050	Normal Environmental Sample #1	1566
ST-246	KAFB-246-09-1012	011A	P268388	25142	Normal Environmental Sample #1	1560
ST-246	KAFB-246-09-1012	011A	P268388	25202	Normal Environmental Sample #1	1561
ST-246	KAFB-246-09-1012	011A	P268388	25898	Normal Environmental Sample #1	1564
ST-246	KAFB-246-09-1519	011A			Normal Environmental Sample #1	1562
ST-246	KAFB-246-09-1519	011A	P268389	24966	Normal Environmental Sample #1	1567
ST-246	KAFB-246-09-1519	011A	P268389	24982	Normal Environmental Sample #1	1563
ST-246	KAFB-246-09-1519	011A	P268389	24996	Normal Environmental Sample #1	1559
ST-246	KAFB-246-09-1519	011A	P268389	25050	Normal Environmental Sample #1	1565
ST-246	KAFB-246-09-1519	011A	P268389	25050	Normal Environmental Sample #1	1566
ST-246	KAFB-246-09-1519	011A	P268389	25142	Normal Environmental Sample #1	1560
ST-246	KAFB-246-09-1519	011A	P268389	25202	Normal Environmental Sample #1	1561
ST-246	KAFB-246-09-1519	011A	P268389	25898	Normal Environmental Sample #1	1564
ST-246	KAFB-246-10-1012	011A	0366840011SA	036684	Normal Environmental Sample #1	1568
ST-246	KAFB-246-10-1012	011A	0366840011SA	940714J	Normal Environmental Sample #1	1569
ST-246	KAFB-246-10-1517	011A	0366840012SA	036684	Normal Environmental Sample #1	1568
ST-246	KAFB-246-10-1517	011A	0366840012SA	940714J	Normal Environmental Sample #1	1569
ST-246	KAFB-246-11-1012	011A	0366840008SA	036684	Normal Environmental Sample #1	1570
ST-246	KAFB-246-11-1012	011A	0366840008SA	940714J	Normal Environmental Sample #1	1571
ST-246	KAFB-246-11-1517	011A	0366840009SA	036684	Normal Environmental Sample #1	1570
ST-246	KAFB-246-11-1517	011A	0366840009SA	940715J	Normal Environmental Sample #1	1571
ST-246	KAFB-246-11-2527	011A	0366840010SA	036684	Normal Environmental Sample #1	1570
ST-246	KAFB-246-11-2527	011A	0366840010SA	940715J	Normal Environmental Sample #1	1571
ST-246	KAFB-246-12-1012	011A	0366840006SA	036684	Normal Environmental Sample #1	1572
ST-246	KAFB-246-12-1012	011A	0366840006SA	940713J	Normal Environmental Sample #1	1573
ST-246	KAFB-246-12-1517	011A	0366840007SA	036684	Normal Environmental Sample #1	1572
ST-246	KAFB-246-12-1517	011A	0366840007SA	940714J	Normal Environmental Sample #1	1573
ST-246	KAFB-246-13-1012	011A	0366840003SA	036684	Normal Environmental Sample #1	1574
ST-246	KAFB-246-13-1012	011A	0366840003SA	940713J	Normal Environmental Sample #1	1575
ST-246	KAFB-246-13-1517	011A	0366840005MS	940713J	Normal Environmental Sample #1	1575
ST-246	KAFB-246-13-1517	011A	0366840005SA	036684	Normal Environmental Sample #1	1574
ST-246	KAFB-246-99-1012	011A	0366840003SA	036684	Field Replicate #1	1574

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ST-246	KAFB-246-99-1012	011A	0366840003SA	940713J	Field Replicate #1	1575
ST-246	KAFB-246-99-1014	011A			Field Replicate #1	1517
ST-246	KAFB-246-99-1014	011A	P268377	24966	Field Replicate #1	1522
ST-246	KAFB-246-99-1014	011A	P268377	24981	Field Replicate #1	1518
ST-246	KAFB-246-99-1014	011A	P268377	24996	Field Replicate #1	1514
ST-246	KAFB-246-99-1014	011A	P268377	25049	Field Replicate #1	1520
ST-246	KAFB-246-99-1014	011A	P268377	25049	Field Replicate #1	1521
ST-246	KAFB-246-99-1014	011A	P268377	25111	Field Replicate #1	1515
ST-246	KAFB-246-99-1014	011A	P268377	25201	Field Replicate #1	1516
ST-246	KAFB-246-99-1014	011A	P268377	25894	Field Replicate #1	1519
ST-246	KAFB-246-99-1519	011A			Field Replicate #1	1562
ST-246	KAFB-246-99-1519	011A	P268389	24966	Field Replicate #1	1567
ST-246	KAFB-246-99-1519	011A	P268389	24982	Field Replicate #1	1563
ST-246	KAFB-246-99-1519	011A	P268389	25050	Field Replicate #1	1565
ST-246	KAFB-246-99-1519	011A	P268389	25050	Field Replicate #1	1566
ST-246	KAFB-246-99-1519	011A	P268389	25142	Field Replicate #1	1560
ST-246	KAFB-246-99-1519	011A	P268389	25202	Field Replicate #1	1561
ST-246	KAFB-246-99-1519	011A	P268389	25898	Field Replicate #1	1564
ST-246	KAFB-EB-210-032594	111A	P268150	24823	Equipment Blank #1	1491
ST-246	KAFB-EB-210-032594	111A	P268150	24842	Equipment Blank #1	1489
ST-246	KAFB-EB-210-032594	111A	P268150	24848	Equipment Blank #1	1493
ST-246	KAFB-EB-210-032594	111A	P268150	24848	Equipment Blank #1	1494
ST-246	KAFB-EB-210-032594	111A	P268150	25056	Equipment Blank #1	1488
ST-246	KAFB-EB-210-032594	111A	P268150	26156	Equipment Blank #1	1490
ST-246	KAFB-EB-210-070794	011A	0366840002EB	940713J	Equipment Blank #1	1569
ST-246	KAFB-EB-210-070794	011A	0366840002EB	940713J	Equipment Blank #1	1571
ST-246	KAFB-EB-210-070794	011A	0366840002EB	940713J	Equipment Blank #1	1573
ST-246	KAFB-EB-210-070794	011A	0366840002EB	940713J	Equipment Blank #1	1575
ST-246	KAFB-EB-246-032894	011A	P268371	24945	Equipment Blank #1	1500
ST-246	KAFB-EB-246-032894	011A	P268371	24945	Equipment Blank #1	1509
ST-246	KAFB-EB-246-032894	011A	P268371	24945	Equipment Blank #1	1518
ST-246	KAFB-EB-246-032894	011A	P268371	24945	Equipment Blank #1	1527
ST-246	KAFB-EB-246-032894	011A	P268371	24945	Equipment Blank #1	1536
ST-246	KAFB-EB-246-032894	011A	P268371	24945	Equipment Blank #1	1545
ST-246	KAFB-EB-246-032894	011A	P268371	24945	Equipment Blank #1	1554
ST-246	KAFB-EB-246-032894	011A	P268371	24945	Equipment Blank #1	1563
ST-246	KAFB-EB-246-032894	011A	P268371	24976	Equipment Blank #1	1502
ST-246	KAFB-EB-246-032894	011A	P268371	24976	Equipment Blank #1	1503
ST-246	KAFB-EB-246-032894	011A	P268371	24976	Equipment Blank #1	1511
ST-246	KAFB-EB-246-032894	011A	P268371	24976	Equipment Blank #1	1512
ST-246	KAFB-EB-246-032894	011A	P268371	24976	Equipment Blank #1	1520
ST-246	KAFB-EB-246-032894	011A	P268371	24976	Equipment Blank #1	1521
ST-246	KAFB-EB-246-032894	011A	P268371	24976	Equipment Blank #1	1529
ST-246	KAFB-EB-246-032894	011A	P268371	24976	Equipment Blank #1	1530
ST-246	KAFB-EB-246-032894	011A	P268371	24976	Equipment Blank #1	1538
ST-246	KAFB-EB-246-032894	011A	P268371	24976	Equipment Blank #1	1539
ST-246	KAFB-EB-246-032894	011A	P268371	24976	Equipment Blank #1	1547
ST-246	KAFB-EB-246-032894	011A	P268371	24976	Equipment Blank #1	1548
ST-246	KAFB-EB-246-032894	011A	P268371	24976	Equipment Blank #1	1556
ST-246	KAFB-EB-246-032894	011A	P268371	24976	Equipment Blank #1	1557
ST-246	KAFB-EB-246-032894	011A	P268371	24976	Equipment Blank #1	1565
ST-246	KAFB-EB-246-032894	011A	P268371	24976	Equipment Blank #1	1566

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Site	Field ID	Fld Lot	Lab ID	Lab Lot	Sample Description	Page
ST-246	KAFB-EB-246-032894	011A	P268371	25108	Equipment Blank #1	1498
ST-246	KAFB-EB-246-032894	011A	P268371	25108	Equipment Blank #1	1507
ST-246	KAFB-EB-246-032894	011A	P268371	25108	Equipment Blank #1	1516
ST-246	KAFB-EB-246-032894	011A	P268371	25108	Equipment Blank #1	1525
ST-246	KAFB-EB-246-032894	011A	P268371	25108	Equipment Blank #1	1534
ST-246	KAFB-EB-246-032894	011A	P268371	25108	Equipment Blank #1	1543
ST-246	KAFB-EB-246-032894	011A	P268371	25108	Equipment Blank #1	1552
ST-246	KAFB-EB-246-032894	011A	P268371	25108	Equipment Blank #1	1561
ST-246	KAFB-EB-246-032894	011A	P268371	25135	Equipment Blank #1	1497
ST-246	KAFB-EB-246-032894	011A	P268371	25135	Equipment Blank #1	1506
ST-246	KAFB-EB-246-032894	011A	P268371	25135	Equipment Blank #1	1515
ST-246	KAFB-EB-246-032894	011A	P268371	25135	Equipment Blank #1	1524
ST-246	KAFB-EB-246-032894	011A	P268371	25135	Equipment Blank #1	1533
ST-246	KAFB-EB-246-032894	011A	P268371	25135	Equipment Blank #1	1542
ST-246	KAFB-EB-246-032894,	011A	P268371	25135	Equipment Blank #1	1551
ST-246	KAFB-EB-246-032894	011A	P268371	25135	Equipment Blank #1	1560
ST-246	KAFB-EB-246-032894	011A	P268371	25898	Equipment Blank #1	1501
ST-246	KAFB-EB-246-032894	011A	P268371	25898	Equipment Blank #1	1510
ST-246	KAFB-EB-246-032894	011A	P268371	25898	Equipment Blank #1	1519
ST-246	KAFB-EB-246-032894	011A	P268371	25898	Equipment Blank #1	1528
ST-246	KAFB-EB-246-032894	011A	P268371	25898	Equipment Blank #1	1537
ST-246	KAFB-EB-246-032894	011A	P268371	25898	Equipment Blank #1	1546
ST-246	KAFB-EB-246-032894	011A	P268371	25898	Equipment Blank #1	1555
ST-246	KAFB-EB-246-032894	011A	P268371	25898	Equipment Blank #1	1564
ST-246	KAFB-EB-246-032894	011A	P268371	26196	Equipment Blank #1	1499
ST-246	KAFB-EB-246-032894	011A	P268371	26196	Equipment Blank #1	1508
ST-246	KAFB-EB-246-032894	011A	P268371	26196	Equipment Blank #1	1517
ST-246	KAFB-EB-246-032894	011A	P268371	26196	Equipment Blank #1	1526
ST-246	KAFB-EB-246-032894	011A	P268371	26196	Equipment Blank #1	1535
ST-246	KAFB-EB-246-032894	011A	P268371	26196	Equipment Blank #1	1544
ST-246	KAFB-EB-246-032894	011A	P268371	26196	Equipment Blank #1	1553
ST-246	KAFB-EB-246-032894	011A	P268371	26196	Equipment Blank #1	1562
ST-246	KAFB-TB-01-032894	011A	P268391	25898	Trip Blank #1	1501
ST-246	KAFB-TB-01-032894	011A	P268391	25898	Trip Blank #1	1510
ST-246	KAFB-TB-01-032894	011A	P268391	25898	Trip Blank #1	1519
ST-246	KAFB-TB-01-032894	011A	P268391	25898	Trip Blank #1	1528
ST-246	KAFB-TB-01-032894	011A	P268391	25898	Trip Blank #1	1537
ST-246	KAFB-TB-01-032894	011A	P268391	25898	Trip Blank #1	1546
ST-246	KAFB-TB-01-032894	011A	P268391	25898	Trip Blank #1	1555
ST-246	KAFB-TB-01-032894	011A	P268391	25898	Trip Blank #1	1564
ST-246	KAFB-TB-01-070794	011A	940600-07		Trip Blank #1	1569
ST-246	KAFB-TB-01-070794	011A	940600-07		Trip Blank #1	1571
ST-246	KAFB-TB-01-070794	011A	940600-07		Trip Blank #1	1573
ST-246	KAFB-TB-01-070794	011A	940600-07		Trip Blank #1	1575
ST-247	KAFB-247-01-0305	011A	0357410003SA	035741	Normal Environmental Sample #1	1576
ST-247	KAFB-247-01-0305	011A	0357410003SA	940607J	Normal Environmental Sample #1	1581
ST-247	KAFB-247-01-0305	011A	0357410003SA	9406086K	Normal Environmental Sample #1	1577
ST-247	KAFB-247-01-0305	011A	P274406	26402	Normal Environmental Sample #1	1584
ST-247	KAFB-247-01-0305	011A	P274406	26491	Normal Environmental Sample #1	1580
ST-247	KAFB-247-01-0305	011A	P274406	26505	Normal Environmental Sample #1	1582
ST-247	KAFB-247-01-0305	011A	P274406	26505	Normal Environmental Sample #1	1583
ST-247	KAFB-247-01-0305	011A	P274406	26557	Normal Environmental Sample #1	1579

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ST-247	KAFB-247-01-0305	011A	P274406	26749	Normal Environmental Sample #1	1578
ST-247	KAFB-247-01-0810	011A	0357410004SA	035741	Normal Environmental Sample #1	1576
ST-247	KAFB-247-01-0810	011A	0357410004SA	940607J	Normal Environmental Sample #1	1581
ST-247	KAFB-247-01-0810	011A	0357410004SA	9406086K	Normal Environmental Sample #1	1577
ST-247	KAFB-247-01-0810	011A	P274407	26402	Normal Environmental Sample #1	1584
ST-247	KAFB-247-01-0810	011A	P274407	26491	Normal Environmental Sample #1	1580
ST-247	KAFB-247-01-0810	011A	P274407	26505	Normal Environmental Sample #1	1582
ST-247	KAFB-247-01-0810	011A	P274407	26505	Normal Environmental Sample #1	1583
ST-247	KAFB-247-01-0810	011A	P274407	26557	Normal Environmental Sample #1	1579
ST-247	KAFB-247-01-0810	011A	P274407	26749	Normal Environmental Sample #1	1578
ST-247	KAFB-247-01-1820	011A	0357410005SA	035741	Normal Environmental Sample #1	1576
ST-247	KAFB-247-01-1820	011A	0357410005SA	940607J	Normal Environmental Sample #1	1581
ST-247	KAFB-247-01-1820	011A	0357410005SA	9406086K	Normal Environmental Sample #1	1577
ST-247	KAFB-247-01-1820	011A	P274408	26402	Normal Environmental Sample #1	1584
ST-247	KAFB-247-01-1820	011A	P274408	26491	Normal Environmental Sample #1	1580
ST-247	KAFB-247-01-1820	011A	P274408	26505	Normal Environmental Sample #1	1582
ST-247	KAFB-247-01-1820	011A	P274408	26505	Normal Environmental Sample #1	1583
ST-247	KAFB-247-01-1820	011A	P274408	26557	Normal Environmental Sample #1	1579
ST-247	KAFB-247-01-1820	011A	P274408	26749	Normal Environmental Sample #1	1578
ST-247	KAFB-247-02-0305	011A	0357410006SA	035741	Normal Environmental Sample #1	1585
ST-247	KAFB-247-02-0305	011A	0357410006SA	940607J	Normal Environmental Sample #1	1590
ST-247	KAFB-247-02-0305	011A	0357410006SA	9406086K	Normal Environmental Sample #1	1586
ST-247	KAFB-247-02-0305	011A	P274409	26402	Normal Environmental Sample #1	1593
ST-247	KAFB-247-02-0305	011A	P274409	26491	Normal Environmental Sample #1	1589
ST-247	KAFB-247-02-0305	011A	P274409	26505	Normal Environmental Sample #1	1591
ST-247	KAFB-247-02-0305	011A	P274409	26505	Normal Environmental Sample #1	1592
ST-247	KAFB-247-02-0305	011A	P274409	26557	Normal Environmental Sample #1	1588
ST-247	KAFB-247-02-0305	011A	P274409	26749	Normal Environmental Sample #1	1587
ST-247	KAFB-247-02-0810	011A	0357410007SA	035741	Normal Environmental Sample #1	1585
ST-247	KAFB-247-02-0810	011A	0357410007SA	940607N	Normal Environmental Sample #1	1590
ST-247	KAFB-247-02-0810	011A	0357410007SA	9406086K	Normal Environmental Sample #1	1586
ST-247	KAFB-247-02-0810	011A	P274410	26402	Normal Environmental Sample #1	1593
ST-247	KAFB-247-02-0810	011A	P274410	26491	Normal Environmental Sample #1	1589
ST-247	KAFB-247-02-0810	011A	P274410	26505	Normal Environmental Sample #1	1591
ST-247	KAFB-247-02-0810	011A	P274410	26505	Normal Environmental Sample #1	1592
ST-247	KAFB-247-02-0810	011A	P274410	26557	Normal Environmental Sample #1	1588
ST-247	KAFB-247-02-0810	011A	P274410	26749	Normal Environmental Sample #1	1587
ST-247	KAFB-EB-247-052694	011A	0357410002EB	9406026K	Equipment Blank #1	1577
ST-247	KAFB-EB-247-052694	011A	0357410002EB	9406026K	Equipment Blank #1	1581
ST-247	KAFB-EB-247-052694	011A	0357410002EB	9406026K	Equipment Blank #1	1586
ST-247	KAFB-EB-247-052694	011A	0357410002EB	9406026K	Equipment Blank #1	1590
ST-247	KAFB-EB-247-052694	011A	0357410002EB	940607J	Equipment Blank #1	1581
ST-247	KAFB-EB-247-052694	011A	0357410002EB	940607J	Equipment Blank #1	1590
ST-247	KAFB-EB-247-052694	011A	P274405	26389	Equipment Blank #1	1582
ST-247	KAFB-EB-247-052694	011A	P274405	26389	Equipment Blank #1	1583
ST-247	KAFB-EB-247-052694	011A	P274405	26389	Equipment Blank #1	1591
ST-247	KAFB-EB-247-052694	011A	P274405	26389	Equipment Blank #1	1592
ST-247	KAFB-EB-247-052694	011A	P274405	26390	Equipment Blank #1	1580
ST-247	KAFB-EB-247-052694	011A	P274405	26390	Equipment Blank #1	1589
ST-247	KAFB-EB-247-052694	011A	P274405	26396	Equipment Blank #1	1579
ST-247	KAFB-EB-247-052694	011A	P274405	26396	Equipment Blank #1	1588
ST-247	KAFB-EB-247-052694	011A	P274405	26517	Equipment Blank #1	1578

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ST-247	KAFB-EB-247-052694	011A	P274405	26517	Equipment Blank #1	1587
ST-247	KAFB-TB-01-052694	011A			Trip Blank #1	1577
ST-247	KAFB-TB-01-052694	011A			Trip Blank #1	1581
ST-247	KAFB-TB-01-052694	011A			Trip Blank #1	1586
ST-247	KAFB-TB-01-052694	011A			Trip Blank #1	1590
ST-247	KAFB-TB-01-052694	011A	0357410001TB	940607J	Trip Blank #1	1581
ST-247	KAFB-TB-01-052694	011A	0357410001TB	940607J	Trip Blank #1	1590
ST-248	KAFB-248-01-0911	011A	0359070003SA	035907	Normal Environmental Sample #1	1594
ST-248	KAFB-248-01-0911	011A	0359070003SA	940609J	Normal Environmental Sample #1	1600
ST-248	KAFB-248-01-0911	011A	0359070003SA	9406136K	Normal Environmental Sample #1	1595
ST-248	KAFB-248-01-0911	011A	P275274	26602	Normal Environmental Sample #1	1596
ST-248	KAFB-248-01-0911	011A	P275274	26613	Normal Environmental Sample #1	1599
ST-248	KAFB-248-01-0911	011A	P275274	26621	Normal Environmental Sample #1	1601
ST-248	KAFB-248-01-0911	011A	P275274	26621	Normal Environmental Sample #1	1602
ST-248	KAFB-248-01-0911	011A	P275274	26622	Normal Environmental Sample #1	1598
ST-248	KAFB-248-01-0911	011A	P275274	26658	Normal Environmental Sample #1	1597
ST-248	KAFB-248-01-0911	011A	P275274	26693	Normal Environmental Sample #1	1603
ST-248	KAFB-248-01-1618	011A	0359070004SA	035907	Normal Environmental Sample #1	1594
ST-248	KAFB-248-01-1618	011A	0359070004SA	940609J	Normal Environmental Sample #1	1600
ST-248	KAFB-248-01-1618	011A	0359070004SA	9406136K	Normal Environmental Sample #1	1595
ST-248	KAFB-248-01-1618	011A	P275275	26602	Normal Environmental Sample #1	1596
ST-248	KAFB-248-01-1618	011A	P275275	26613	Normal Environmental Sample #1	1599
ST-248	KAFB-248-01-1618	011A	P275275	26621	Normal Environmental Sample #1	1601
ST-248	KAFB-248-01-1618	011A	P275275	26621	Normal Environmental Sample #1	1602
ST-248	KAFB-248-01-1618	011A	P275275	26622	Normal Environmental Sample #1	1598
ST-248	KAFB-248-01-1618	011A	P275275	26658	Normal Environmental Sample #1	1597
ST-248	KAFB-248-01-1618	011A	P275275	26693	Normal Environmental Sample #1	1603
ST-248	KAFB-248-02-0305	011A	0359070005SA	035907	Normal Environmental Sample #1	1604
ST-248	KAFB-248-02-0305	011A	0359070005SA	940609J	Normal Environmental Sample #1	1609
ST-248	KAFB-248-02-0305	011A	0359070005SA	9406136K	Normal Environmental Sample #1	1605
ST-248	KAFB-248-02-0305	011A	P275276	26602	Normal Environmental Sample #1	1606
ST-248	KAFB-248-02-0305	011A	P275276	26621	Normal Environmental Sample #1	1610
ST-248	KAFB-248-02-0305	011A	P275276	26621	Normal Environmental Sample #1	1611
ST-248	KAFB-248-02-0305	011A	P275276	26622	Normal Environmental Sample #1	1608
ST-248	KAFB-248-02-0305	011A	P275276	26658	Normal Environmental Sample #1	1607
ST-248	KAFB-248-02-0305	011A	P275276	26693	Normal Environmental Sample #1	1612
ST-248	KAFB-248-02-0810	011A	0359070006SA	035907	Normal Environmental Sample #1	1604
ST-248	KAFB-248-02-0810	011A	0359070006SA	940609J	Normal Environmental Sample #1	1609
ST-248	KAFB-248-02-0810	011A	0359070006SA	9406136K	Normal Environmental Sample #1	1605
ST-248	KAFB-248-02-0810	011A	P275277	26602	Normal Environmental Sample #1	1606
ST-248	KAFB-248-02-0810	011A	P275277	26621	Normal Environmental Sample #1	1610
ST-248	KAFB-248-02-0810	011A	P275277	26621	Normal Environmental Sample #1	1611
ST-248	KAFB-248-02-0810	011A	P275277	26622	Normal Environmental Sample #1	1608
ST-248	KAFB-248-02-0810	011A	P275277	26658	Normal Environmental Sample #1	1607
ST-248	KAFB-248-02-0810	011A	P275277	26693	Normal Environmental Sample #1	1612
ST-248	KAFB-248-03-0305	011A	0359070007SA	035907	Normal Environmental Sample #1	1613
ST-248	KAFB-248-03-0305	011A	0359070007SA	940610J	Normal Environmental Sample #1	1618
ST-248	KAFB-248-03-0305	011A	0359070007SA	9406136K	Normal Environmental Sample #1	1614
ST-248	KAFB-248-03-0305	011A	P275278	26602	Normal Environmental Sample #1	1615
ST-248	KAFB-248-03-0305	011A	P275278	26621	Normal Environmental Sample #1	1619
ST-248	KAFB-248-03-0305	011A	P275278	26621	Normal Environmental Sample #1	1620
ST-248	KAFB-248-03-0305	011A	P275278	26622	Normal Environmental Sample #1	1617

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ST-248	KAFB-248-03-0305	011A	P275278	26658	Normal Environmental Sample #1	1616
ST-248	KAFB-248-03-0305	011A	P275278	26693	Normal Environmental Sample #1	1621
ST-248	KAFB-248-03-0810	011A	0359070008SA	035907	Normal Environmental Sample #1	1613
ST-248	KAFB-248-03-0810	011A	0359070008SA	940609J	Normal Environmental Sample #1	1618
ST-248	KAFB-248-03-0810	011A	0359070008SA	9406136K	Normal Environmental Sample #1	1614
ST-248	KAFB-248-03-0810	011A	P275279	26621	Normal Environmental Sample #1	1619
ST-248	KAFB-248-03-0810	011A	P275279	26621	Normal Environmental Sample #1	1620
ST-248	KAFB-248-03-0810	011A	P275279	26622	Normal Environmental Sample #1	1617
ST-248	KAFB-248-03-0810	011A	P275279	26658	Normal Environmental Sample #1	1616
ST-248	KAFB-248-03-0810	011A	P275279	26693	Normal Environmental Sample #1	1621
ST-248	KAFB-248-03-0810	011A	P275279	26767	Normal Environmental Sample #1	1615
ST-248	KAFB-248-04-0307	011A	0359070009SA	035907	Normal Environmental Sample #1	1622
ST-248	KAFB-248-04-0307	011A	0359070009SA	940609J	Normal Environmental Sample #1	1627
ST-248	KAFB-248-04-0307	011A	0359070009SA	9406136K	Normal Environmental Sample #1	1623
ST-248	KAFB-248-04-0307	011A	P275280	26621	Normal Environmental Sample #1	1628
ST-248	KAFB-248-04-0307	011A	P275280	26621	Normal Environmental Sample #1	1629
ST-248	KAFB-248-04-0307	011A	P275280	26622	Normal Environmental Sample #1	1626
ST-248	KAFB-248-04-0307	011A	P275280	26658	Normal Environmental Sample #1	1625
ST-248	KAFB-248-04-0307	011A	P275280	26693	Normal Environmental Sample #1	1630
ST-248	KAFB-248-04-0307	011A	P275280	26767	Normal Environmental Sample #1	1624
ST-248	KAFB-248-04-0811	011A	0359070011SA	035907	Normal Environmental Sample #1	1622
ST-248	KAFB-248-04-0811	011A	0359070011SA	940609J	Normal Environmental Sample #1	1627
ST-248	KAFB-248-04-0811	011A	0359070011SA	9406136K	Normal Environmental Sample #1	1623
ST-248	KAFB-248-04-0811	011A	P275282	26621	Normal Environmental Sample #1	1628
ST-248	KAFB-248-04-0811	011A	P275282	26621	Normal Environmental Sample #1	1629
ST-248	KAFB-248-04-0811	011A	P275282	26622	Normal Environmental Sample #1	1626
ST-248	KAFB-248-04-0811	011A	P275282	26658	Normal Environmental Sample #1	1625
ST-248	KAFB-248-04-0811	011A	P275282	26693	Normal Environmental Sample #1	1630
ST-248	KAFB-248-04-0811	011A	P275282	26767	Normal Environmental Sample #1	1624
ST-248	KAFB-248-05-0305	011A	0359070012SA	035907	Normal Environmental Sample #1	1631
ST-248	KAFB-248-05-0305	011A	0359070012SA	940609J	Normal Environmental Sample #1	1636
ST-248	KAFB-248-05-0305	011A	0359070012SA	9406136K	Normal Environmental Sample #1	1632
ST-248	KAFB-248-05-0305	011A	P275283	26621	Normal Environmental Sample #1	1637
ST-248	KAFB-248-05-0305	011A	P275283	26622	Normal Environmental Sample #1	1635
ST-248	KAFB-248-05-0305	011A	P275283	26658	Normal Environmental Sample #1	1634
ST-248	KAFB-248-05-0305	011A	P275283	26767	Normal Environmental Sample #1	1633
ST-248	KAFB-248-05-0810	011A	0359070013MS	940609J	Normal Environmental Sample #1	1636
ST-248	KAFB-248-05-0810	011A	0359070013MS	9406136K	Normal Environmental Sample #1	1632
ST-248	KAFB-248-05-0810	011A	0359070013SA	035907	Normal Environmental Sample #1	1631
ST-248	KAFB-248-05-0810	011A	P275284	26621	Normal Environmental Sample #1	1637
ST-248	KAFB-248-05-0810	011A	P275284	26622	Normal Environmental Sample #1	1635
ST-248	KAFB-248-05-0810	011A	P275284	26658	Normal Environmental Sample #1	1634
ST-248	KAFB-248-05-0810	011A	P275284	26767	Normal Environmental Sample #1	1633
ST-248	KAFB-248-99-0307	011A	0359070009SA	035907	Field Replicate #1	1622
ST-248	KAFB-248-99-0307	011A	0359070009SA	940609J	Field Replicate #1	1627
ST-248	KAFB-248-99-0307	011A	0359070009SA	9406136K	Field Replicate #1	1623
ST-248	KAFB-248-99-0307	011A	P275280	26621	Field Replicate #1	1628
ST-248	KAFB-248-99-0307	011A	P275280	26621	Field Replicate #1	1629
ST-248	KAFB-248-99-0307	011A	P275280	26622	Field Replicate #1	1626
ST-248	KAFB-248-99-0307	011A	P275280	26658	Field Replicate #1	1625
ST-248	KAFB-248-99-0307	011A	P275280	26693	Field Replicate #1	1630
ST-248	KAFB-248-99-0307	011A	P275280	26767	Field Replicate #1	1624

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Site	Field ID	Fld Lot	Lab ID	Lab Lot	Sample Description	Page
ST-248	KAFB-EB-248-060394	011A	0359070002EB	940609J	Equipment Blank #1	1600
ST-248	KAFB-EB-248-060394	011A	0359070002EB	940609J	Equipment Blank #1	1609
ST-248	KAFB-EB-248-060394	011A	0359070002EB	940609J	Equipment Blank #1	1618
ST-248	KAFB-EB-248-060394	011A	0359070002EB	940609J	Equipment Blank #1	1627
ST-248	KAFB-EB-248-060394	011A	0359070002EB	940609J	Equipment Blank #1	1636
ST-248	KAFB-EB-248-060394	011A	0359070002EB	940615B	Equipment Blank #1	1595
ST-248	KAFB-EB-248-060394	011A	0359070002EB	940615B	Equipment Blank #1	1600
ST-248	KAFB-EB-248-060394	011A	0359070002EB	940615B	Equipment Blank #1	1605
ST-248	KAFB-EB-248-060394	011A	0359070002EB	940615B	Equipment Blank #1	1609
ST-248	KAFB-EB-248-060394	011A	0359070002EB	940615B	Equipment Blank #1	1614
ST-248	KAFB-EB-248-060394	011A	0359070002EB	940615B	Equipment Blank #1	1618
ST-248	KAFB-EB-248-060394	011A	0359070002EB	940615B	Equipment Blank #1	1623
ST-248	KAFB-EB-248-060394	011A	0359070002EB	940615B	Equipment Blank #1	1627
ST-248	KAFB-EB-248-060394	011A	0359070002EB	940615B	Equipment Blank #1	1632
ST-248	KAFB-EB-248-060394	011A	0359070002EB	940615B	Equipment Blank #1	1636
ST-248	KAFB-EB-248-060394	011A	P275273	26562	Equipment Blank #1	1597
ST-248	KAFB-EB-248-060394	011A	P275273	26562	Equipment Blank #1	1607
ST-248	KAFB-EB-248-060394	011A	P275273	26562	Equipment Blank #1	1616
ST-248	KAFB-EB-248-060394	011A	P275273	26562	Equipment Blank #1	1625
ST-248	KAFB-EB-248-060394	011A	P275273	26562	Equipment Blank #1	1634
ST-248	KAFB-EB-248-060394	011A	P275273	26577	Equipment Blank #1	1601
ST-248	KAFB-EB-248-060394	011A	P275273	26577	Equipment Blank #1	1602
ST-248	KAFB-EB-248-060394	011A	P275273	26577	Equipment Blank #1	1610
ST-248	KAFB-EB-248-060394	011A	P275273	26577	Equipment Blank #1	1611
ST-248	KAFB-EB-248-060394	011A	P275273	26577	Equipment Blank #1	1619
ST-248	KAFB-EB-248-060394	011A	P275273	26577	Equipment Blank #1	1620
ST-248	KAFB-EB-248-060394	011A	P275273	26577	Equipment Blank #1	1628
ST-248	KAFB-EB-248-060394	011A	P275273	26577	Equipment Blank #1	1629
ST-248	KAFB-EB-248-060394	011A	P275273	26577	Equipment Blank #1	1637
ST-248	KAFB-EB-248-060394	011A	P275273	26579	Equipment Blank #1	1598
ST-248	KAFB-EB-248-060394	011A	P275273	26579	Equipment Blank #1	1608
ST-248	KAFB-EB-248-060394	011A	P275273	26579	Equipment Blank #1	1617
ST-248	KAFB-EB-248-060394	011A	P275273	26579	Equipment Blank #1	1626
ST-248	KAFB-EB-248-060394	011A	P275273	26579	Equipment Blank #1	1635
ST-248	KAFB-EB-248-060394	011A	P275273	26588	Equipment Blank #1	1596
ST-248	KAFB-EB-248-060394	011A	P275273	26588	Equipment Blank #1	1606
ST-248	KAFB-EB-248-060394	011A	P275273	26588	Equipment Blank #1	1615
ST-248	KAFB-EB-248-060394	011A	P275273	26588	Equipment Blank #1	1624
ST-248	KAFB-EB-248-060394	011A	P275273	26588	Equipment Blank #1	1633
ST-248	KAFB-TB-01-060394	011A			Trip Blank #1	1595
ST-248	KAFB-TB-01-060394	011A			Trip Blank #1	1600
ST-248	KAFB-TB-01-060394	011A			Trip Blank #1	1605
ST-248	KAFB-TB-01-060394	011A			Trip Blank #1	1609
ST-248	KAFB-TB-01-060394	011A			Trip Blank #1	1614
ST-248	KAFB-TB-01-060394	011A			Trip Blank #1	1618
ST-248	KAFB-TB-01-060394	011A			Trip Blank #1	1623
ST-248	KAFB-TB-01-060394	011A			Trip Blank #1	1627
ST-248	KAFB-TB-01-060394	011A			Trip Blank #1	1632
ST-248	KAFB-TB-01-060394	011A			Trip Blank #1	1636
ST-248	KAFB-TB-01-060394	011A	0359070001TB	940609J	Trip Blank #1	1600
ST-248	KAFB-TB-01-060394	011A	0359070001TB	940609J	Trip Blank #1	1609
ST-248	KAFB-TB-01-060394	011A	0359070001TB	940609J	Trip Blank #1	1618

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ST-248	KAFB-TB-01-060394	011A	0359070001TB	940609J	Trip Blank #1	1627
ST-248	KAFB-TB-01-060394	011A	0359070001TB	940609J	Trip Blank #1	1636
ST-249	KAFB-249-01-0911	111A	0359540003SA	035954	Normal Environmental Sample #1	1638
ST-249	KAFB-249-01-0911	111A	0359540003SA	940610J	Normal Environmental Sample #1	1646
ST-249	KAFB-249-01-0911	111A	0359540003SA	9406146K	Normal Environmental Sample #1	1639
ST-249	KAFB-249-01-0911	111A	P275522	26613	Normal Environmental Sample #1	1644
ST-249	KAFB-249-01-0911	111A	P275522	26627	Normal Environmental Sample #1	1648
ST-249	KAFB-249-01-0911	111A	P275522	26627	Normal Environmental Sample #1	1649
ST-249	KAFB-249-01-0911	111A	P275522	26628	Normal Environmental Sample #1	1643
ST-249	KAFB-249-01-0911	111A	P275522	26679	Normal Environmental Sample #1	1642
ST-249	KAFB-249-01-0911	111A	P275522	26693	Normal Environmental Sample #1	1652
ST-249	KAFB-249-01-0911	111A	P275522	26720	Normal Environmental Sample #1	1640
ST-249	KAFB-249-01-1618	111A	0359540004SA	035954	Normal Environmental Sample #1	1638
ST-249	KAFB-249-01-1618	111A	0359540004SA	940610J	Normal Environmental Sample #1	1646
ST-249	KAFB-249-01-1618	111A	0359540004SA	9406146K	Normal Environmental Sample #1	1639
ST-249	KAFB-249-01-1618	111A	P275523	26613	Normal Environmental Sample #1	1644
ST-249	KAFB-249-01-1618	111A	P275523	26627	Normal Environmental Sample #1	1648
ST-249	KAFB-249-01-1618	111A	P275523	26627	Normal Environmental Sample #1	1649
ST-249	KAFB-249-01-1618	111A	P275523	26628	Normal Environmental Sample #1	1643
ST-249	KAFB-249-01-1618	111A	P275523	26679	Normal Environmental Sample #1	1642
ST-249	KAFB-249-01-1618	111A	P275523	26693	Normal Environmental Sample #1	1652
ST-249	KAFB-249-01-1618	111A	P275523	26720	Normal Environmental Sample #1	1640
ST-249	KAFB-249-01-2123	111A	0359540005SA	035954	Normal Environmental Sample #1	1638
ST-249	KAFB-249-01-2123	111A	0359540005SA	940610J	Normal Environmental Sample #1	1646
ST-249	KAFB-249-01-2123	111A	0359540005SA	9406146K	Normal Environmental Sample #1	1639
ST-249	KAFB-249-01-2123	111A	P275524	26613	Normal Environmental Sample #1	1644
ST-249	KAFB-249-01-2123	111A	P275524	26627	Normal Environmental Sample #1	1648
ST-249	KAFB-249-01-2123	111A	P275524	26627	Normal Environmental Sample #1	1649
ST-249	KAFB-249-01-2123	111A	P275524	26628	Normal Environmental Sample #1	1643
ST-249	KAFB-249-01-2123	111A	P275524	26679	Normal Environmental Sample #1	1642
ST-249	KAFB-249-01-2123	111A	P275524	26693	Normal Environmental Sample #1	1652
ST-249	KAFB-249-01-2123	111A	P275524	26720	Normal Environmental Sample #1	1640
ST-249	KAFB-249-01-3032	111A	0359540006SA	035954	Normal Environmental Sample #1	1638
ST-249	KAFB-249-01-3032	111A	0359540006SA	940610J	Normal Environmental Sample #1	1646
ST-249	KAFB-249-01-3032	111A	0359540006SA	940610J	Normal Environmental Sample #1	1647
ST-249	KAFB-249-01-3032	111A	0359540006SA	9406146K	Normal Environmental Sample #1	1639
ST-249	KAFB-249-01-3032	111A	P275525	26613	Normal Environmental Sample #1	1644
ST-249	KAFB-249-01-3032	111A	P275525	26613	Normal Environmental Sample #1	1645
ST-249	KAFB-249-01-3032	111A	P275525	26627	Normal Environmental Sample #1	1649
ST-249	KAFB-249-01-3032	111A	P275525	26627	Normal Environmental Sample #1	1650
ST-249	KAFB-249-01-3032	111A	P275525	26627	Normal Environmental Sample #1	1651
ST-249	KAFB-249-01-3032	111A	P275525	26628	Normal Environmental Sample #1	1643
ST-249	KAFB-249-01-3032	111A	P275525	26679	Normal Environmental Sample #1	1642
ST-249	KAFB-249-01-3032	111A	P275525	26693	Normal Environmental Sample #1	1652
ST-249	KAFB-249-01-3032	111A	P275525	26720	Normal Environmental Sample #1	1640
ST-249	KAFB-249-01-3032	111A	P275525	26720	Normal Environmental Sample #1	1641
ST-249	KAFB-249-02-0103	111A	0359540007SA	035954	Normal Environmental Sample #1	1653
ST-249	KAFB-249-02-0103	111A	0359540007SA	940610J	Normal Environmental Sample #1	1659
ST-249	KAFB-249-02-0103	111A	0359540007SA	9406146K	Normal Environmental Sample #1	1654
ST-249	KAFB-249-02-0103	111A	P275526	26613	Normal Environmental Sample #1	1658
ST-249	KAFB-249-02-0103	111A	P275526	26627	Normal Environmental Sample #1	1660
ST-249	KAFB-249-02-0103	111A	P275526	26627	Normal Environmental Sample #1	1661

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Site	Field ID	Fld Lot	Lab ID	Lab Lot	Sample Description	Page
ST-249	KAFB-249-02-0103	111A	P275526	26628	Normal Environmental Sample #1	1657
ST-249	KAFB-249-02-0103	111A	P275526	26679	Normal Environmental Sample #1	1656
ST-249	KAFB-249-02-0103	111A	P275526	26693	Normal Environmental Sample #1	1662
ST-249	KAFB-249-02-0103	111A	P275526	26720	Normal Environmental Sample #1	1655
ST-249	KAFB-249-03-0911	111A	0359540009SA	035954	Normal Environmental Sample #1	1663
ST-249	KAFB-249-03-0911	111A	0359540009SA	940610J	Normal Environmental Sample #1	1671
ST-249	KAFB-249-03-0911	111A	0359540009SA	9406146K	Normal Environmental Sample #1	1664
ST-249	KAFB-249-03-0911	111A	P275527	26613	Normal Environmental Sample #1	1669
ST-249	KAFB-249-03-0911	111A	P275527	26627	Normal Environmental Sample #1	1673
ST-249	KAFB-249-03-0911	111A	P275527	26627	Normal Environmental Sample #1	1674
ST-249	KAFB-249-03-0911	111A	P275527	26628	Normal Environmental Sample #1	1668
ST-249	KAFB-249-03-0911	111A	P275527	26679	Normal Environmental Sample #1	1667
ST-249	KAFB-249-03-0911	111A	P275527	26693	Normal Environmental Sample #1	1677
ST-249	KAFB-249-03-0911	111A	P275527	26720	Normal Environmental Sample #1	1665
ST-249	KAFB-249-03-1621	111A	0359540010SA	035954	Normal Environmental Sample #1	1663
ST-249	KAFB-249-03-1621	111A	0359540010SA	940610J	Normal Environmental Sample #1	1671
ST-249	KAFB-249-03-1621	111A	0359540010SA	9406146K	Normal Environmental Sample #1	1664
ST-249	KAFB-249-03-1621	111A	P275528	26613	Normal Environmental Sample #1	1669
ST-249	KAFB-249-03-1621	111A	P275528	26627	Normal Environmental Sample #1	1673
ST-249	KAFB-249-03-1621	111A	P275528	26627	Normal Environmental Sample #1	1674
ST-249	KAFB-249-03-1621	111A	P275528	26628	Normal Environmental Sample #1	1668
ST-249	KAFB-249-03-1621	111A	P275528	26679	Normal Environmental Sample #1	1667
ST-249	KAFB-249-03-1621	111A	P275528	26693	Normal Environmental Sample #1	1677
ST-249	KAFB-249-03-1621	111A	P275528	26720	Normal Environmental Sample #1	1665
ST-249	KAFB-249-03-2125	111A	0359540012MS	940610J	Normal Environmental Sample #1	1671
ST-249	KAFB-249-03-2125	111A	0359540012MS	940610J	Normal Environmental Sample #1	1672
ST-249	KAFB-249-03-2125	111A	0359540012MS	9406146K	Normal Environmental Sample #1	1664
ST-249	KAFB-249-03-2125	111A	0359540012SA	035954	Normal Environmental Sample #1	1663
ST-249	KAFB-249-03-2125	111A	P275530	26613	Normal Environmental Sample #1	1669
ST-249	KAFB-249-03-2125	111A	P275530	26613	Normal Environmental Sample #1	1670
ST-249	KAFB-249-03-2125	111A	P275530	26627	Normal Environmental Sample #1	1674
ST-249	KAFB-249-03-2125	111A	P275530	26627	Normal Environmental Sample #1	1675
ST-249	KAFB-249-03-2125	111A	P275530	26627	Normal Environmental Sample #1	1676
ST-249	KAFB-249-03-2125	111A	P275530	26628	Normal Environmental Sample #1	1668
ST-249	KAFB-249-03-2125	111A	P275530	26679	Normal Environmental Sample #1	1667
ST-249	KAFB-249-03-2125	111A	P275530	26693	Normal Environmental Sample #1	1677
ST-249	KAFB-249-03-2125	111A	P275530	26720	Normal Environmental Sample #1	1665
ST-249	KAFB-249-03-2125	111A	P275530	26720	Normal Environmental Sample #1	1666
ST-249	KAFB-249-04-0911	011A	0363000003SA	036300	Normal Environmental Sample #1	1678
ST-249	KAFB-249-04-0911	011A	0363000003SA	9406174L	Normal Environmental Sample #1	1679
ST-249	KAFB-249-04-0911	011A	0363000003SA	940618AX	Normal Environmental Sample #1	1684
ST-249	KAFB-249-04-0911	011A	P275613	26627	Normal Environmental Sample #1	1685
ST-249	KAFB-249-04-0911	011A	P275613	26627	Normal Environmental Sample #1	1686
ST-249	KAFB-249-04-0911	011A	P275613	26628	Normal Environmental Sample #1	1682
ST-249	KAFB-249-04-0911	011A	P275613	26676	Normal Environmental Sample #1	1683
ST-249	KAFB-249-04-0911	011A	P275613	26679	Normal Environmental Sample #1	1681
ST-249	KAFB-249-04-0911	011A	P275613	26727	Normal Environmental Sample #1	1687
ST-249	KAFB-249-04-0911	011A	P275613	26749	Normal Environmental Sample #1	1680
ST-249	KAFB-249-04-1618	011A	0363000004SA	036300	Normal Environmental Sample #1	1678
ST-249	KAFB-249-04-1618	011A	0363000004SA	9406174L	Normal Environmental Sample #1	1679
ST-249	KAFB-249-04-1618	011A	0363000004SA	940618AX	Normal Environmental Sample #1	1684
ST-249	KAFB-249-04-1618	011A	P275614	26627	Normal Environmental Sample #1	1685

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Site	Field ID	Fld Lot	Lab ID	Lab Lot	Sample Description	Page
ST-249	KAFB-249-04-1618	011A	P275614	26627	Normal Environmental Sample #1	1686
ST-249	KAFB-249-04-1618	011A	P275614	26628	Normal Environmental Sample #1	1682
ST-249	KAFB-249-04-1618	011A	P275614	26676	Normal Environmental Sample #1	1683
ST-249	KAFB-249-04-1618	011A	P275614	26679	Normal Environmental Sample #1	1681
ST-249	KAFB-249-04-1618	011A	P275614	26727	Normal Environmental Sample #1	1687
ST-249	KAFB-249-04-1618	011A	P275614	26749	Normal Environmental Sample #1	1680
ST-249	KAFB-249-04-2123	011A	0363000005SA	036300	Normal Environmental Sample #1	1678
ST-249	KAFB-249-04-2123	011A	0363000005SA	9406174L	Normal Environmental Sample #1	1679
ST-249	KAFB-249-04-2123	011A	0363000005SA	940618AX	Normal Environmental Sample #1	1684
ST-249	KAFB-249-04-2123	011A	P275615	26627	Normal Environmental Sample #1	1685
ST-249	KAFB-249-04-2123	011A	P275615	26627	Normal Environmental Sample #1	1686
ST-249	KAFB-249-04-2123	011A	P275615	26628	Normal Environmental Sample #1	1682
ST-249	KAFB-249-04-2123	011A	P275615	26676	Normal Environmental Sample #1	1683
ST-249	KAFB-249-04-2123	011A	P275615	26679	Normal Environmental Sample #1	1681
ST-249	KAFB-249-04-2123	011A	P275615	26727	Normal Environmental Sample #1	1687
ST-249	KAFB-249-04-2123	011A	P275615	26749	Normal Environmental Sample #1	1680
ST-249	KAFB-249-05-0911	011A	0363000006SA	036300	Normal Environmental Sample #1	1688
ST-249	KAFB-249-05-0911	011A	0363000006SA	9406174L	Normal Environmental Sample #1	1689
ST-249	KAFB-249-05-0911	011A	0363000006SA	940618AX	Normal Environmental Sample #1	1694
ST-249	KAFB-249-05-0911	011A	P275616	26627	Normal Environmental Sample #1	1695
ST-249	KAFB-249-05-0911	011A	P275616	26627	Normal Environmental Sample #1	1696
ST-249	KAFB-249-05-0911	011A	P275616	26628	Normal Environmental Sample #1	1692
ST-249	KAFB-249-05-0911	011A	P275616	26676	Normal Environmental Sample #1	1693
ST-249	KAFB-249-05-0911	011A	P275616	26679	Normal Environmental Sample #1	1691
ST-249	KAFB-249-05-0911	011A	P275616	26727	Normal Environmental Sample #1	1697
ST-249	KAFB-249-05-0911	011A	P275616	26749	Normal Environmental Sample #1	1690
ST-249	KAFB-249-05-1618	011A	0363000007MS	940618AX	Normal Environmental Sample #1	1694
ST-249	KAFB-249-05-1618	011A	0363000007SA	036300	Normal Environmental Sample #1	1688
ST-249	KAFB-249-05-1618	011A	0363000007SA	9406174L	Normal Environmental Sample #1	1689
ST-249	KAFB-249-05-1618	011A	P275617	26627	Normal Environmental Sample #1	1695
ST-249	KAFB-249-05-1618	011A	P275617	26627	Normal Environmental Sample #1	1696
ST-249	KAFB-249-05-1618	011A	P275617	26628	Normal Environmental Sample #1	1692
ST-249	KAFB-249-05-1618	011A	P275617	26676	Normal Environmental Sample #1	1693
ST-249	KAFB-249-05-1618	011A	P275617	26679	Normal Environmental Sample #1	1691
ST-249	KAFB-249-05-1618	011A	P275617	26727	Normal Environmental Sample #1	1697
ST-249	KAFB-249-05-1618	011A	P275617	26749	Normal Environmental Sample #1	1690
ST-249	KAFB-249-05-2123	011A	0363000008MS	9406174L	Normal Environmental Sample #1	1689
ST-249	KAFB-249-05-2123	011A	0363000008SA	036300	Normal Environmental Sample #1	1688
ST-249	KAFB-249-05-2123	011A	0363000008SA	940618AX	Normal Environmental Sample #1	1694
ST-249	KAFB-249-05-2123	011A	P275618	26627	Normal Environmental Sample #1	1695
ST-249	KAFB-249-05-2123	011A	P275618	26627	Normal Environmental Sample #1	1696
ST-249	KAFB-249-05-2123	011A	P275618	26628	Normal Environmental Sample #1	1692
ST-249	KAFB-249-05-2123	011A	P275618	26676	Normal Environmental Sample #1	1693
ST-249	KAFB-249-05-2123	011A	P275618	26679	Normal Environmental Sample #1	1691
ST-249	KAFB-249-05-2123	011A	P275618	26727	Normal Environmental Sample #1	1697
ST-249	KAFB-249-05-2123	011A	P275618	26749	Normal Environmental Sample #1	1690
ST-249	KAFB-249-99-1621	111A	0359540010SA	035954	Field Replicate #1	1663
ST-249	KAFB-249-99-1621	111A	0359540010SA	940610J	Field Replicate #1	1671
ST-249	KAFB-249-99-1621	111A	0359540010SA	9406146K	Field Replicate #1	1664
ST-249	KAFB-249-99-1621	111A	P275528	26613	Field Replicate #1	1669
ST-249	KAFB-249-99-1621	111A	P275528	26627	Field Replicate #1	1673
ST-249	KAFB-249-99-1621	111A	P275528	26627	Field Replicate #1	1674

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Site	Field ID	Fld Lot	Lab ID	Lab Lot	Sample Description	Page
ST-249	KAFB-249-99-1621	111A	P275528	26628	Field Replicate #1	1668
ST-249	KAFB-249-99-1621	111A	P275528	26679	Field Replicate #1	1667
ST-249	KAFB-249-99-1621	111A	P275528	26693	Field Replicate #1	1677
ST-249	KAFB-249-99-1621	111A	P275528	26720	Field Replicate #1	1665
ST-249	KAFB-AB-249-060694	111A			Ambient Conditions Blank #1	1639
ST-249	KAFB-AB-249-060694	111A			Ambient Conditions Blank #1	1646
ST-249	KAFB-AB-249-060694	111A			Ambient Conditions Blank #1	1647
ST-249	KAFB-AB-249-060694	111A			Ambient Conditions Blank #1	1654
ST-249	KAFB-AB-249-060694	111A			Ambient Conditions Blank #1	1659
ST-249	KAFB-AB-249-060694	111A			Ambient Conditions Blank #1	1664
ST-249	KAFB-AB-249-060694	111A			Ambient Conditions Blank #1	1671
ST-249	KAFB-AB-249-060694	111A			Ambient Conditions Blank #1	1672
ST-249	KAFB-AB-249-060694	111A	0359540008AB	940610J	Ambient Conditions Blank #1	1646
ST-249	KAFB-AB-249-060694	111A	0359540008AB	940610J	Ambient Conditions Blank #1	1647
ST-249	KAFB-AB-249-060694	111A	0359540008AB	940610J	Ambient Conditions Blank #1	1659
ST-249	KAFB-AB-249-060694	111A	0359540008AB	940610J	Ambient Conditions Blank #1	1671
ST-249	KAFB-AB-249-060694	111A	0359540008AB	940610J	Ambient Conditions Blank #1	1672
ST-249	KAFB-EB-249-060694	111A	0359540002EB	940610J	Equipment Blank #1	1646
ST-249	KAFB-EB-249-060694	111A	0359540002EB	940610J	Equipment Blank #1	1647
ST-249	KAFB-EB-249-060694	111A	0359540002EB	940610J	Equipment Blank #1	1659
ST-249	KAFB-EB-249-060694	111A	0359540002EB	940610J	Equipment Blank #1	1671
ST-249	KAFB-EB-249-060694	111A	0359540002EB	940610J	Equipment Blank #1	1672
ST-249	KAFB-EB-249-060694	111A	0359540002EB	940615B	Equipment Blank #1	1639
ST-249	KAFB-EB-249-060694	111A	0359540002EB	940615B	Equipment Blank #1	1646
ST-249	KAFB-EB-249-060694	111A	0359540002EB	940615B	Equipment Blank #1	1647
ST-249	KAFB-EB-249-060694	111A	0359540002EB	940615B	Equipment Blank #1	1654
ST-249	KAFB-EB-249-060694	111A	0359540002EB	940615B	Equipment Blank #1	1659
ST-249	KAFB-EB-249-060694	111A	0359540002EB	940615B	Equipment Blank #1	1664
ST-249	KAFB-EB-249-060694	111A	0359540002EB	940615B	Equipment Blank #1	1671
ST-249	KAFB-EB-249-060694	111A	0359540002EB	940615B	Equipment Blank #1	1672
ST-249	KAFB-EB-249-060694	111A	P275520	26562	Equipment Blank #1	1642
ST-249	KAFB-EB-249-060694	111A	P275520	26562	Equipment Blank #1	1656
ST-249	KAFB-EB-249-060694	111A	P275520	26562	Equipment Blank #1	1667
ST-249	KAFB-EB-249-060694	111A	P275520	26577	Equipment Blank #1	1648
ST-249	KAFB-EB-249-060694	111A	P275520	26577	Equipment Blank #1	1649
ST-249	KAFB-EB-249-060694	111A	P275520	26577	Equipment Blank #1	1650
ST-249	KAFB-EB-249-060694	111A	P275520	26577	Equipment Blank #1	1651
ST-249	KAFB-EB-249-060694	111A	P275520	26577	Equipment Blank #1	1660
ST-249	KAFB-EB-249-060694	111A	P275520	26577	Equipment Blank #1	1661
ST-249	KAFB-EB-249-060694	111A	P275520	26577	Equipment Blank #1	1673
ST-249	KAFB-EB-249-060694	111A	P275520	26577	Equipment Blank #1	1674
ST-249	KAFB-EB-249-060694	111A	P275520	26577	Equipment Blank #1	1675
ST-249	KAFB-EB-249-060694	111A	P275520	26577	Equipment Blank #1	1676
ST-249	KAFB-EB-249-060694	111A	P275520	26579	Equipment Blank #1	1643
ST-249	KAFB-EB-249-060694	111A	P275520	26579	Equipment Blank #1	1657
ST-249	KAFB-EB-249-060694	111A	P275520	26579	Equipment Blank #1	1668
ST-249	KAFB-EB-249-060694	111A	P275520	26588	Equipment Blank #1	1640
ST-249	KAFB-EB-249-060694	111A	P275520	26588	Equipment Blank #1	1641
ST-249	KAFB-EB-249-060694	111A	P275520	26588	Equipment Blank #1	1655
ST-249	KAFB-EB-249-060694	111A	P275520	26588	Equipment Blank #1	1665
ST-249	KAFB-EB-249-060694	111A	P275520	26588	Equipment Blank #1	1666
ST-249	KAFB-EB-249-060694	111A	P275521	26610	Equipment Blank #1	1644

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ST-249	KAFB-EB-249-060694	111A	P275521	26610	Equipment Blank #1	1645
ST-249	KAFB-EB-249-060694	111A	P275521	26610	Equipment Blank #1	1658
ST-249	KAFB-EB-249-060694	111A	P275521	26610	Equipment Blank #1	1669
ST-249	KAFB-EB-249-060694	111A	P275521	26610	Equipment Blank #1	1670
ST-249	KAFB-EB-249-060794	011A	0363000002EB	9406174L	Equipment Blank #1	1679
ST-249	KAFB-EB-249-060794	011A	0363000002EB	9406174L	Equipment Blank #1	1684
ST-249	KAFB-EB-249-060794	011A	0363000002EB	9406174L	Equipment Blank #1	1689
ST-249	KAFB-EB-249-060794	011A	0363000002EB	9406174L	Equipment Blank #1	1694
ST-249	KAFB-EB-249-060794	011A	0363000002EB	940618AFX	Equipment Blank #1	1684
ST-249	KAFB-EB-249-060794	011A	0363000002EB	940618AFX	Equipment Blank #1	1694
ST-249	KAFB-EB-249-060794	011A	P275612	26577	Equipment Blank #1	1685
ST-249	KAFB-EB-249-060794	011A	P275612	26577	Equipment Blank #1	1686
ST-249	KAFB-EB-249-060794	011A	P275612	26577	Equipment Blank #1	1695
ST-249	KAFB-EB-249-060794	011A	P275612	26577	Equipment Blank #1	1696
ST-249	KAFB-EB-249-060794	011A	P275612	26579	Equipment Blank #1	1682
ST-249	KAFB-EB-249-060794	011A	P275612	26579	Equipment Blank #1	1692
ST-249	KAFB-EB-249-060794	011A	P275612	26610	Equipment Blank #1	1683
ST-249	KAFB-EB-249-060794	011A	P275612	26610	Equipment Blank #1	1693
ST-249	KAFB-EB-249-060794	011A	P275612	26783	Equipment Blank #1	1681
ST-249	KAFB-EB-249-060794	011A	P275612	26783	Equipment Blank #1	1691
ST-249	KAFB-EB-249-060794	011A	P275612	26805	Equipment Blank #1	1680
ST-249	KAFB-EB-249-060794	011A	P275612	26805	Equipment Blank #1	1690
ST-249	KAFB-TB-01-060694	111A			Trip Blank #1	1639
ST-249	KAFB-TB-01-060694	111A			Trip Blank #1	1646
ST-249	KAFB-TB-01-060694	111A			Trip Blank #1	1647
ST-249	KAFB-TB-01-060694	111A			Trip Blank #1	1654
ST-249	KAFB-TB-01-060694	111A			Trip Blank #1	1659
ST-249	KAFB-TB-01-060694	111A			Trip Blank #1	1664
ST-249	KAFB-TB-01-060694	111A			Trip Blank #1	1671
ST-249	KAFB-TB-01-060694	111A			Trip Blank #1	1672
ST-249	KAFB-TB-01-060694	111A	0359540001TB	940610J	Trip Blank #1	1646
ST-249	KAFB-TB-01-060694	111A	0359540001TB	940610J	Trip Blank #1	1647
ST-249	KAFB-TB-01-060694	111A	0359540001TB	940610J	Trip Blank #1	1659
ST-249	KAFB-TB-01-060694	111A	0359540001TB	940610J	Trip Blank #1	1671
ST-249	KAFB-TB-01-060694	111A	0359540001TB	940610J	Trip Blank #1	1672
ST-249	KAFB-TB-01-060794	011A			Trip Blank #1	1679
ST-249	KAFB-TB-01-060794	011A			Trip Blank #1	1684
ST-249	KAFB-TB-01-060794	011A			Trip Blank #1	1689
ST-249	KAFB-TB-01-060794	011A			Trip Blank #1	1694
ST-249	KAFB-TB-01-060794	011A	0363000001TB	940618AFX	Trip Blank #1	1684
ST-249	KAFB-TB-01-060794	011A	0363000001TB	940618AFX	Trip Blank #1	1694
ST-250	KAFB-250-01-0810	010A	0353080007SA	035308	Normal Environmental Sample #1	1698
ST-250	KAFB-250-01-0810	010A	0353080007SA	9405116K	Normal Environmental Sample #1	1699
ST-250	KAFB-250-01-0810	010A	0353080007SA	940519J	Normal Environmental Sample #1	1703
ST-250	KAFB-250-01-0810	010A	P272176	25874	Normal Environmental Sample #1	1700
ST-250	KAFB-250-01-0810	010A	P272176	25922	Normal Environmental Sample #1	1706
ST-250	KAFB-250-01-0810	010A	P272176	25976	Normal Environmental Sample #1	1704
ST-250	KAFB-250-01-0810	010A	P272176	25976	Normal Environmental Sample #1	1705
ST-250	KAFB-250-01-0810	010A	P272176	26015	Normal Environmental Sample #1	1702
ST-250	KAFB-250-01-0810	010A	P272176	26083	Normal Environmental Sample #1	1701
ST-250	KAFB-250-02-0813	010A	0353080009SA	9405116K	Normal Environmental Sample #1	1708
ST-250	KAFB-250-02-0813	010A	0353080009SA	940519J	Normal Environmental Sample #1	1712

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ST-250	KAFB-250-02-0813	011A	P272179	25874	Normal Environmental Sample #1	1709
ST-250	KAFB-250-02-0813	011A	P272179	25922	Normal Environmental Sample #1	1715
ST-250	KAFB-250-02-0813	011A	P272179	25976	Normal Environmental Sample #1	1713
ST-250	KAFB-250-02-0813	011A	P272179	25976	Normal Environmental Sample #1	1714
ST-250	KAFB-250-02-0813	011A	P272179	26015	Normal Environmental Sample #1	1711
ST-250	KAFB-250-02-0813	011A	P272179	26034	Normal Environmental Sample #1	1707
ST-250	KAFB-250-02-0813	011A	P272179	26083	Normal Environmental Sample #1	1710
ST-250	KAFB-250-02-1315	010A	0353080011SA	9405126K	Normal Environmental Sample #1	1708
ST-250	KAFB-250-02-1315	010A	0353080011SA	940519J	Normal Environmental Sample #1	1712
ST-250	KAFB-250-02-1315	010A	P272180	25922	Normal Environmental Sample #1	1715
ST-250	KAFB-250-02-1315	011A	0353080011SA	035308	Normal Environmental Sample #1	1707
ST-250	KAFB-250-02-1315	011A	P272180	25874	Normal Environmental Sample #1	1709
ST-250	KAFB-250-02-1315	011A	P272180	25976	Normal Environmental Sample #1	1713
ST-250	KAFB-250-02-1315	011A	P272180	25976	Normal Environmental Sample #1	1714
ST-250	KAFB-250-02-1315	011A	P272180	26015	Normal Environmental Sample #1	1711
ST-250	KAFB-250-02-1315	011A	P272180	26083	Normal Environmental Sample #1	1710
ST-250	KAFB-250-99-0813	010A	0353080009SA	9405116K	Field Replicate #1	1708
ST-250	KAFB-250-99-0813	010A	0353080009SA	940519J	Field Replicate #1	1712
ST-250	KAFB-250-99-0813	011A	P272179	25874	Field Replicate #1	1709
ST-250	KAFB-250-99-0813	011A	P272179	25922	Field Replicate #1	1715
ST-250	KAFB-250-99-0813	011A	P272179	25976	Field Replicate #1	1713
ST-250	KAFB-250-99-0813	011A	P272179	25976	Field Replicate #1	1714
ST-250	KAFB-250-99-0813	011A	P272179	26015	Field Replicate #1	1711
ST-250	KAFB-250-99-0813	011A	P272179	26034	Field Replicate #1	1707
ST-250	KAFB-250-99-0813	011A	P272179	26083	Field Replicate #1	1710
ST-250	KAFB-EB-263-050694	010A	0353080002EB	9405106K	Equipment Blank #1	1699
ST-250	KAFB-EB-263-050694	010A	0353080002EB	9405106K	Equipment Blank #1	1703
ST-250	KAFB-EB-263-050694	010A	0353080002EB	9405106K	Equipment Blank #1	1708
ST-250	KAFB-EB-263-050694	010A	0353080002EB	9405106K	Equipment Blank #1	1712
ST-250	KAFB-EB-263-050694	010A	0353080002EB	940519J	Equipment Blank #1	1703
ST-250	KAFB-EB-263-050694	010A	0353080002EB	940519J	Equipment Blank #1	1712
ST-250	KAFB-EB-263-050694	010A	P272171	25929	Equipment Blank #1	1701
ST-250	KAFB-EB-263-050694	010A	P272171	25934	Equipment Blank #1	1704
ST-250	KAFB-EB-263-050694	010A	P272171	25934	Equipment Blank #1	1705
ST-250	KAFB-EB-263-050694	010A	P272171	25935	Equipment Blank #1	1702
ST-250	KAFB-EB-263-050694	010A	P272171	25961	Equipment Blank #1	1700
ST-250	KAFB-EB-263-050694	011A	P272171	25929	Equipment Blank #1	1710
ST-250	KAFB-EB-263-050694	011A	P272171	25934	Equipment Blank #1	1713
ST-250	KAFB-EB-263-050694	011A	P272171	25934	Equipment Blank #1	1714
ST-250	KAFB-EB-263-050694	011A	P272171	25935	Equipment Blank #1	1711
ST-250	KAFB-EB-263-050694	011A	P272171	25961	Equipment Blank #1	1709
ST-250	KAFB-TB-01-050694	010A	0353080001TB	9405106K	Trip Blank #1	1699
ST-250	KAFB-TB-01-050694	010A	0353080001TB	9405106K	Trip Blank #1	1703
ST-250	KAFB-TB-01-050694	010A	0353080001TB	9405106K	Trip Blank #1	1708
ST-250	KAFB-TB-01-050694	010A	0353080001TB	9405106K	Trip Blank #1	1712
ST-250	KAFB-TB-01-050694	010A	0353080001TB	940519J	Trip Blank #1	1703
ST-250	KAFB-TB-01-050694	010A	0353080001TB	940519J	Trip Blank #1	1712
ST-251	KAFB-251-01-0507	010A	0354020003SA	035402	Normal Environmental Sample #1	1716
ST-251	KAFB-251-01-0507	010A	0354020003SA	9405176K	Normal Environmental Sample #1	1717
ST-251	KAFB-251-01-0507	010A	0354020003SA	940520J	Normal Environmental Sample #1	1721
ST-251	KAFB-251-01-0507	010A	P272949	26304	Normal Environmental Sample #1	1719
ST-251	KAFB-251-01-0507	010A	P272949	26311	Normal Environmental Sample #1	1718

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ST-251	KAFB-251-01-0507	010A	P272949	26330	Normal Environmental Sample #1	1722
ST-251	KAFB-251-01-0507	010A	P272949	26330	Normal Environmental Sample #1	1723
ST-251	KAFB-251-01-0507	010A	P272949	26331	Normal Environmental Sample #1	1720
ST-251	KAFB-251-01-0507	010A	P272949	26344	Normal Environmental Sample #1	1724
ST-251	KAFB-251-01-1013	010A	0354020004SA	035402	Normal Environmental Sample #1	1716
ST-251	KAFB-251-01-1013	010A	0354020004SA	9405176K	Normal Environmental Sample #1	1717
ST-251	KAFB-251-01-1013	010A	0354020004SA	940520J	Normal Environmental Sample #1	1721
ST-251	KAFB-251-01-1013	010A	P272950	26304	Normal Environmental Sample #1	1719
ST-251	KAFB-251-01-1013	010A	P272950	26311	Normal Environmental Sample #1	1718
ST-251	KAFB-251-01-1013	010A	P272950	26330	Normal Environmental Sample #1	1722
ST-251	KAFB-251-01-1013	010A	P272950	26330	Normal Environmental Sample #1	1723
ST-251	KAFB-251-01-1013	010A	P272950	26331	Normal Environmental Sample #1	1720
ST-251	KAFB-251-01-1013	010A	P272950	26344	Normal Environmental Sample #1	1724
ST-251	KAFB-251-02-0507	010A	0354020005SA	035402	Normal Environmental Sample #1	1725
ST-251	KAFB-251-02-0507	010A	0354020005SA	9405166K	Normal Environmental Sample #1	1726
ST-251	KAFB-251-02-0507	010A	0354020005SA	940520J	Normal Environmental Sample #1	1730
ST-251	KAFB-251-02-0507	010A	P272951	26304	Normal Environmental Sample #1	1728
ST-251	KAFB-251-02-0507	010A	P272951	26311	Normal Environmental Sample #1	1727
ST-251	KAFB-251-02-0507	010A	P272951	26330	Normal Environmental Sample #1	1731
ST-251	KAFB-251-02-0507	010A	P272951	26330	Normal Environmental Sample #1	1732
ST-251	KAFB-251-02-0507	010A	P272951	26331	Normal Environmental Sample #1	1729
ST-251	KAFB-251-02-0507	010A	P272951	26344	Normal Environmental Sample #1	1733
ST-251	KAFB-251-02-1012	010A	0354020006SA	035402	Normal Environmental Sample #1	1725
ST-251	KAFB-251-02-1012	010A	0354020006SA	9405176K	Normal Environmental Sample #1	1726
ST-251	KAFB-251-02-1012	010A	0354020006SA	940522J	Normal Environmental Sample #1	1730
ST-251	KAFB-251-02-1012	010A	P272952	26304	Normal Environmental Sample #1	1728
ST-251	KAFB-251-02-1012	010A	P272952	26311	Normal Environmental Sample #1	1727
ST-251	KAFB-251-02-1012	010A	P272952	26330	Normal Environmental Sample #1	1731
ST-251	KAFB-251-02-1012	010A	P272952	26330	Normal Environmental Sample #1	1732
ST-251	KAFB-251-02-1012	010A	P272952	26331	Normal Environmental Sample #1	1729
ST-251	KAFB-251-02-1012	010A	P272952	26344	Normal Environmental Sample #1	1733
ST-251	KAFB-251-03-0507	010A	0354020007SA	035402	Normal Environmental Sample #1	1734
ST-251	KAFB-251-03-0507	010A	0354020007SA	9405166K	Normal Environmental Sample #1	1735
ST-251	KAFB-251-03-0507	010A	0354020007SA	940522J	Normal Environmental Sample #1	1739
ST-251	KAFB-251-03-0507	010A	P272953	26304	Normal Environmental Sample #1	1737
ST-251	KAFB-251-03-0507	010A	P272953	26311	Normal Environmental Sample #1	1736
ST-251	KAFB-251-03-0507	010A	P272953	26330	Normal Environmental Sample #1	1740
ST-251	KAFB-251-03-0507	010A	P272953	26330	Normal Environmental Sample #1	1741
ST-251	KAFB-251-03-0507	010A	P272953	26331	Normal Environmental Sample #1	1738
ST-251	KAFB-251-03-0507	010A	P272953	26344	Normal Environmental Sample #1	1742
ST-251	KAFB-251-03-1012	010A	0354020008SA	035402	Normal Environmental Sample #1	1734
ST-251	KAFB-251-03-1012	010A	0354020008SA	9405166K	Normal Environmental Sample #1	1735
ST-251	KAFB-251-03-1012	010A	0354020008SA	940522J	Normal Environmental Sample #1	1739
ST-251	KAFB-251-03-1012	010A	P272954	26304	Normal Environmental Sample #1	1737
ST-251	KAFB-251-03-1012	010A	P272954	26311	Normal Environmental Sample #1	1736
ST-251	KAFB-251-03-1012	010A	P272954	26330	Normal Environmental Sample #1	1740
ST-251	KAFB-251-03-1012	010A	P272954	26330	Normal Environmental Sample #1	1741
ST-251	KAFB-251-03-1012	010A	P272954	26331	Normal Environmental Sample #1	1738
ST-251	KAFB-251-03-1012	010A	P272954	26344	Normal Environmental Sample #1	1742
ST-251	KAFB-251-04-0507	020A	P278819	27323	Normal Environmental Sample #1	1743
ST-251	KAFB-251-04-0507	020A	P278819	27326	Normal Environmental Sample #1	1745
ST-251	KAFB-251-04-0507	020A	P278819	27326	Normal Environmental Sample #1	1746

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ST-251	KAFB-251-04-0507	020A	P278819	27327	Normal Environmental Sample #1	1744
ST-251	KAFB-251-04-1012	020A	P278820	27323	Normal Environmental Sample #1	1743
ST-251	KAFB-251-04-1012	020A	P278820	27326	Normal Environmental Sample #1	1745
ST-251	KAFB-251-04-1012	020A	P278820	27326	Normal Environmental Sample #1	1746
ST-251	KAFB-251-04-1012	020A	P278820	27327	Normal Environmental Sample #1	1744
ST-251	KAFB-251-05-0507	020A	P278821	27323	Normal Environmental Sample #1	1747
ST-251	KAFB-251-05-0507	020A	P278821	27326	Normal Environmental Sample #1	1749
ST-251	KAFB-251-05-0507	020A	P278821	27326	Normal Environmental Sample #1	1750
ST-251	KAFB-251-05-0507	020A	P278821	27327	Normal Environmental Sample #1	1748
ST-251	KAFB-251-05-1012	020A	P278822	27323	Normal Environmental Sample #1	1747
ST-251	KAFB-251-05-1012	020A	P278822	27326	Normal Environmental Sample #1	1749
ST-251	KAFB-251-05-1012	020A	P278822	27326	Normal Environmental Sample #1	1750
ST-251	KAFB-251-05-1012	020A	P278822	27327	Normal Environmental Sample #1	1748
ST-251	KAFB-251-06-0507	020A	P278823	27323	Normal Environmental Sample #1	1751
ST-251	KAFB-251-06-0507	020A	P278823	27326	Normal Environmental Sample #1	1753
ST-251	KAFB-251-06-0507	020A	P278823	27326	Normal Environmental Sample #1	1754
ST-251	KAFB-251-06-0507	020A	P278823	27327	Normal Environmental Sample #1	1752
ST-251	KAFB-251-06-1012	020A	P278824	27323	Normal Environmental Sample #1	1751
ST-251	KAFB-251-06-1012	020A	P278824	27326	Normal Environmental Sample #1	1753
ST-251	KAFB-251-06-1012	020A	P278824	27326	Normal Environmental Sample #1	1754
ST-251	KAFB-251-06-1012	020A	P278824	27327	Normal Environmental Sample #1	1752
ST-251	KAFB-AB-210-070694	020A			Ambient Conditions Blank #1	1745
ST-251	KAFB-AB-210-070694	020A			Ambient Conditions Blank #1	1746
ST-251	KAFB-AB-210-070694	020A			Ambient Conditions Blank #1	1749
ST-251	KAFB-AB-210-070694	020A			Ambient Conditions Blank #1	1750
ST-251	KAFB-AB-210-070694	020A			Ambient Conditions Blank #1	1753
ST-251	KAFB-AB-210-070694	020A			Ambient Conditions Blank #1	1754
ST-251	KAFB-EB-210-070694	020A			Equipment Blank #1	1744
ST-251	KAFB-EB-210-070694	020A			Equipment Blank #1	1745
ST-251	KAFB-EB-210-070694	020A			Equipment Blank #1	1746
ST-251	KAFB-EB-210-070694	020A			Equipment Blank #1	1748
ST-251	KAFB-EB-210-070694	020A			Equipment Blank #1	1749
ST-251	KAFB-EB-210-070694	020A			Equipment Blank #1	1750
ST-251	KAFB-EB-210-070694	020A			Equipment Blank #1	1752
ST-251	KAFB-EB-210-070694	020A			Equipment Blank #1	1753
ST-251	KAFB-EB-210-070694	020A			Equipment Blank #1	1754
ST-251	KAFB-EB-210-070694	020A	940598-02		Equipment Blank #1	1744
ST-251	KAFB-EB-210-070694	020A	940598-02		Equipment Blank #1	1745
ST-251	KAFB-EB-210-070694	020A	940598-02		Equipment Blank #1	1746
ST-251	KAFB-EB-210-070694	020A	940598-02		Equipment Blank #1	1748
ST-251	KAFB-EB-210-070694	020A	940598-02		Equipment Blank #1	1749
ST-251	KAFB-EB-210-070694	020A	940598-02		Equipment Blank #1	1750
ST-251	KAFB-EB-210-070694	020A	940598-02		Equipment Blank #1	1752
ST-251	KAFB-EB-210-070694	020A	940598-02		Equipment Blank #1	1753
ST-251	KAFB-EB-210-070694	020A	940598-02		Equipment Blank #1	1754
ST-251	KAFB-EB-251-051094	010A	0354020002EB	9405186A	Equipment Blank #1	1717
ST-251	KAFB-EB-251-051094	010A	0354020002EB	9405186A	Equipment Blank #1	1721
ST-251	KAFB-EB-251-051094	010A	0354020002EB	9405186A	Equipment Blank #1	1726
ST-251	KAFB-EB-251-051094	010A	0354020002EB	9405186A	Equipment Blank #1	1730
ST-251	KAFB-EB-251-051094	010A	0354020002EB	9405186A	Equipment Blank #1	1735
ST-251	KAFB-EB-251-051094	010A	0354020002EB	9405186A	Equipment Blank #1	1739
ST-251	KAFB-EB-251-051094	010A	0354020002EB	940520J	Equipment Blank #1	1721

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ST-251	KAFB-EB-251-051094	010A	0354020002EB	940520J	Equipment Blank #1	1730
ST-251	KAFB-EB-251-051094	010A	0354020002EB	940520J	Equipment Blank #1	1739
ST-251	KAFB-EB-251-051094	010A	P272948	26280	Equipment Blank #1	1722
ST-251	KAFB-EB-251-051094	010A	P272948	26280	Equipment Blank #1	1723
ST-251	KAFB-EB-251-051094	010A	P272948	26280	Equipment Blank #1	1731
ST-251	KAFB-EB-251-051094	010A	P272948	26280	Equipment Blank #1	1732
ST-251	KAFB-EB-251-051094	010A	P272948	26280	Equipment Blank #1	1740
ST-251	KAFB-EB-251-051094	010A	P272948	26280	Equipment Blank #1	1741
ST-251	KAFB-EB-251-051094	010A	P272948	26281	Equipment Blank #1	1720
ST-251	KAFB-EB-251-051094	010A	P272948	26281	Equipment Blank #1	1729
ST-251	KAFB-EB-251-051094	010A	P272948	26281	Equipment Blank #1	1738
ST-251	KAFB-EB-251-051094	010A	P272948	26305	Equipment Blank #1	1719
ST-251	KAFB-EB-251-051094	010A	P272948	26305	Equipment Blank #1	1728
ST-251	KAFB-EB-251-051094	010A	P272948	26305	Equipment Blank #1	1737
ST-251	KAFB-EB-251-051094	010A	P272948	26336	Equipment Blank #1	1718
ST-251	KAFB-EB-251-051094	010A	P272948	26336	Equipment Blank #1	1727
ST-251	KAFB-EB-251-051094	010A	P272948	26336	Equipment Blank #1	1736
ST-251	KAFB-TB-01-051094	010A	0354020001TB	9405186A	Trip Blank #1	1717
ST-251	KAFB-TB-01-051094	010A	0354020001TB	9405186A	Trip Blank #1	1721
ST-251	KAFB-TB-01-051094	010A	0354020001TB	9405186A	Trip Blank #1	1726
ST-251	KAFB-TB-01-051094	010A	0354020001TB	9405186A	Trip Blank #1	1730
ST-251	KAFB-TB-01-051094	010A	0354020001TB	9405186A	Trip Blank #1	1735
ST-251	KAFB-TB-01-051094	010A	0354020001TB	9405186A	Trip Blank #1	1739
ST-251	KAFB-TB-01-051094	010A	0354020001TB	940520J	Trip Blank #1	1721
ST-251	KAFB-TB-01-051094	010A	0354020001TB	940520J	Trip Blank #1	1730
ST-251	KAFB-TB-01-051094	010A	0354020001TB	940520J	Trip Blank #1	1739
ST-252	KAFB-252-01-0204	011A	0353440003SA	035344	Normal Environmental Sample #1	1755
ST-252	KAFB-252-01-0204	011A	0353440003SA	9405126K	Normal Environmental Sample #1	1756
ST-252	KAFB-252-01-0204	011A	0353440003SA	940519N	Normal Environmental Sample #1	1760
ST-252	KAFB-252-01-0204	011A	P272370	25918	Normal Environmental Sample #1	1757
ST-252	KAFB-252-01-0204	011A	P272370	25950	Normal Environmental Sample #1	1763
ST-252	KAFB-252-01-0204	011A	P272370	26016	Normal Environmental Sample #1	1759
ST-252	KAFB-252-01-0204	011A	P272370	26059	Normal Environmental Sample #1	1761
ST-252	KAFB-252-01-0204	011A	P272370	26059	Normal Environmental Sample #1	1762
ST-252	KAFB-252-01-0204	011A	P272370	26244	Normal Environmental Sample #1	1758
ST-252	KAFB-252-01-0709	011A	0353440004SA	035344	Normal Environmental Sample #1	1755
ST-252	KAFB-252-01-0709	011A	0353440004SA	9405126K	Normal Environmental Sample #1	1756
ST-252	KAFB-252-01-0709	011A	0353440004SA	940519N	Normal Environmental Sample #1	1760
ST-252	KAFB-252-01-0709	011A	P272371	25918	Normal Environmental Sample #1	1757
ST-252	KAFB-252-01-0709	011A	P272371	25950	Normal Environmental Sample #1	1763
ST-252	KAFB-252-01-0709	011A	P272371	26016	Normal Environmental Sample #1	1759
ST-252	KAFB-252-01-0709	011A	P272371	26059	Normal Environmental Sample #1	1761
ST-252	KAFB-252-01-0709	011A	P272371	26059	Normal Environmental Sample #1	1762
ST-252	KAFB-252-01-0709	011A	P272371	26244	Normal Environmental Sample #1	1758
ST-252	KAFB-252-02-0204	011A	0353440005SA	035344	Normal Environmental Sample #1	1764
ST-252	KAFB-252-02-0204	011A	0353440005SA	9405126K	Normal Environmental Sample #1	1765
ST-252	KAFB-252-02-0204	011A	0353440005SA	940519N	Normal Environmental Sample #1	1769
ST-252	KAFB-252-02-0204	011A	P272372	25918	Normal Environmental Sample #1	1766
ST-252	KAFB-252-02-0204	011A	P272372	25950	Normal Environmental Sample #1	1772
ST-252	KAFB-252-02-0204	011A	P272372	26016	Normal Environmental Sample #1	1768
ST-252	KAFB-252-02-0204	011A	P272372	26059	Normal Environmental Sample #1	1770
ST-252	KAFB-252-02-0204	011A	P272372	26059	Normal Environmental Sample #1	1771

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ST-252	KAFB-252-02-0204	011A	P272372	26244	Normal Environmental Sample #1	1767
ST-252	KAFB-252-02-0710	011A	0353440006SA	035344	Normal Environmental Sample #1	1764
ST-252	KAFB-252-02-0710	011A	0353440006SA	9405126K	Normal Environmental Sample #1	1765
ST-252	KAFB-252-02-0710	011A	0353440006SA	940519N	Normal Environmental Sample #1	1769
ST-252	KAFB-252-02-0710	011A	P272373	25918	Normal Environmental Sample #1	1766
ST-252	KAFB-252-02-0710	011A	P272373	25950	Normal Environmental Sample #1	1772
ST-252	KAFB-252-02-0710	011A	P272373	26016	Normal Environmental Sample #1	1768
ST-252	KAFB-252-02-0710	011A	P272373	26059	Normal Environmental Sample #1	1770
ST-252	KAFB-252-02-0710	011A	P272373	26059	Normal Environmental Sample #1	1771
ST-252	KAFB-252-02-0710	011A	P272373	26244	Normal Environmental Sample #1	1767
ST-252	KAFB-252-03-0204	011A	0353440007SA	035344	Normal Environmental Sample #1	1773
ST-252	KAFB-252-03-0204	011A	0353440007SA	9405126K	Normal Environmental Sample #1	1774
ST-252	KAFB-252-03-0204	011A	0353440007SA	940519N	Normal Environmental Sample #1	1778
ST-252	KAFB-252-03-0204	011A	P272374	25918	Normal Environmental Sample #1	1775
ST-252	KAFB-252-03-0204	011A	P272374	25950	Normal Environmental Sample #1	1781
ST-252	KAFB-252-03-0204	011A	P272374	26016	Normal Environmental Sample #1	1777
ST-252	KAFB-252-03-0204	011A	P272374	26059	Normal Environmental Sample #1	1779
ST-252	KAFB-252-03-0204	011A	P272374	26059	Normal Environmental Sample #1	1780
ST-252	KAFB-252-03-0204	011A	P272374	26244	Normal Environmental Sample #1	1776
ST-252	KAFB-252-03-0710	011A	0353440008SA	035344	Normal Environmental Sample #1	1773
ST-252	KAFB-252-03-0710	011A	0353440008SA	9405126K	Normal Environmental Sample #1	1774
ST-252	KAFB-252-03-0710	011A	0353440008SA	940519N	Normal Environmental Sample #1	1778
ST-252	KAFB-252-03-0710	011A	P272375	25918	Normal Environmental Sample #1	1775
ST-252	KAFB-252-03-0710	011A	P272375	25950	Normal Environmental Sample #1	1781
ST-252	KAFB-252-03-0710	011A	P272375	26016	Normal Environmental Sample #1	1777
ST-252	KAFB-252-03-0710	011A	P272375	26059	Normal Environmental Sample #1	1779
ST-252	KAFB-252-03-0710	011A	P272375	26059	Normal Environmental Sample #1	1780
ST-252	KAFB-252-03-0710	011A	P272375	26244	Normal Environmental Sample #1	1776
ST-252	KAFB-EB-252-050994	011A	0353440002EB	9405176A	Equipment Blank #1	1756
ST-252	KAFB-EB-252-050994	011A	0353440002EB	9405176A	Equipment Blank #1	1760
ST-252	KAFB-EB-252-050994	011A	0353440002EB	9405176A	Equipment Blank #1	1765
ST-252	KAFB-EB-252-050994	011A	0353440002EB	9405176A	Equipment Blank #1	1769
ST-252	KAFB-EB-252-050994	011A	0353440002EB	9405176A	Equipment Blank #1	1774
ST-252	KAFB-EB-252-050994	011A	0353440002EB	9405176A	Equipment Blank #1	1778
ST-252	KAFB-EB-252-050994	011A	0353440002EB	940520N	Equipment Blank #1	1760
ST-252	KAFB-EB-252-050994	011A	0353440002EB	940520N	Equipment Blank #1	1769
ST-252	KAFB-EB-252-050994	011A	0353440002EB	940520N	Equipment Blank #1	1778
ST-252	KAFB-EB-252-050994	011A	P272369	25929	Equipment Blank #1	1758
ST-252	KAFB-EB-252-050994	011A	P272369	25929	Equipment Blank #1	1767
ST-252	KAFB-EB-252-050994	011A	P272369	25929	Equipment Blank #1	1776
ST-252	KAFB-EB-252-050994	011A	P272369	25934	Equipment Blank #1	1761
ST-252	KAFB-EB-252-050994	011A	P272369	25934	Equipment Blank #1	1762
ST-252	KAFB-EB-252-050994	011A	P272369	25934	Equipment Blank #1	1770
ST-252	KAFB-EB-252-050994	011A	P272369	25934	Equipment Blank #1	1771
ST-252	KAFB-EB-252-050994	011A	P272369	25934	Equipment Blank #1	1779
ST-252	KAFB-EB-252-050994	011A	P272369	25934	Equipment Blank #1	1780
ST-252	KAFB-EB-252-050994	011A	P272369	25935	Equipment Blank #1	1759
ST-252	KAFB-EB-252-050994	011A	P272369	25935	Equipment Blank #1	1768
ST-252	KAFB-EB-252-050994	011A	P272369	25935	Equipment Blank #1	1777
ST-252	KAFB-EB-252-050994	011A	P272369	25961	Equipment Blank #1	1757
ST-252	KAFB-EB-252-050994	011A	P272369	25961	Equipment Blank #1	1766
ST-252	KAFB-EB-252-050994	011A	P272369	25961	Equipment Blank #1	1775

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ST-252	KAFB-TB-01-050994	011A	0353440001TB	9405176A	Trip Blank #1	1756
ST-252	KAFB-TB-01-050994	011A	0353440001TB	9405176A	Trip Blank #1	1760
ST-252	KAFB-TB-01-050994	011A	0353440001TB	9405176A	Trip Blank #1	1765
ST-252	KAFB-TB-01-050994	011A	0353440001TB	9405176A	Trip Blank #1	1769
ST-252	KAFB-TB-01-050994	011A	0353440001TB	9405176A	Trip Blank #1	1774
ST-252	KAFB-TB-01-050994	011A	0353440001TB	9405176A	Trip Blank #1	1778
ST-252	KAFB-TB-01-050994	011A	0353440001TB	940520N	Trip Blank #1	1760
ST-252	KAFB-TB-01-050994	011A	0353440001TB	940520N	Trip Blank #1	1769
ST-252	KAFB-TB-01-050994	011A	0353440001TB	940520N	Trip Blank #1	1778
ST-253	KAFB-253-01-0206	011A	0353440009SA	035344	Normal Environmental Sample #1	1782
ST-253	KAFB-253-01-0206	011A	0353440009SA	9405126K	Normal Environmental Sample #1	1783
ST-253	KAFB-253-01-0206	011A	0353440009SA	940519N	Normal Environmental Sample #1	1787
ST-253	KAFB-253-01-0206	011A	P272376	25918	Normal Environmental Sample #1	1784
ST-253	KAFB-253-01-0206	011A	P272376	25950	Normal Environmental Sample #1	1790
ST-253	KAFB-253-01-0206	011A	P272376	26016	Normal Environmental Sample #1	1786
ST-253	KAFB-253-01-0206	011A	P272376	26059	Normal Environmental Sample #1	1788
ST-253	KAFB-253-01-0206	011A	P272376	26059	Normal Environmental Sample #1	1789
ST-253	KAFB-253-01-0206	011A	P272376	26244	Normal Environmental Sample #1	1785
ST-253	KAFB-253-01-0709	011A	0353440011MS	9405126K	Normal Environmental Sample #1	1783
ST-253	KAFB-253-01-0709	011A	0353440011MS	940519N	Normal Environmental Sample #1	1787
ST-253	KAFB-253-01-0709	011A	0353440011SA	035344	Normal Environmental Sample #1	1782
ST-253	KAFB-253-01-0709	011A	P272378	25918	Normal Environmental Sample #1	1784
ST-253	KAFB-253-01-0709	011A	P272378	25950	Normal Environmental Sample #1	1790
ST-253	KAFB-253-01-0709	011A	P272378	26016	Normal Environmental Sample #1	1786
ST-253	KAFB-253-01-0709	011A	P272378	26059	Normal Environmental Sample #1	1788
ST-253	KAFB-253-01-0709	011A	P272378	26059	Normal Environmental Sample #1	1789
ST-253	KAFB-253-01-0709	011A	P272378	26244	Normal Environmental Sample #1	1785
ST-253	KAFB-253-02-0204	011A	0353440012SA	035344	Normal Environmental Sample #1	1791
ST-253	KAFB-253-02-0204	011A	0353440012SA	9405126K	Normal Environmental Sample #1	1792
ST-253	KAFB-253-02-0204	011A	0353440012SA	940520N	Normal Environmental Sample #1	1796
ST-253	KAFB-253-02-0204	011A	P272379	25918	Normal Environmental Sample #1	1793
ST-253	KAFB-253-02-0204	011A	P272379	25950	Normal Environmental Sample #1	1799
ST-253	KAFB-253-02-0204	011A	P272379	26016	Normal Environmental Sample #1	1795
ST-253	KAFB-253-02-0204	011A	P272379	26059	Normal Environmental Sample #1	1797
ST-253	KAFB-253-02-0204	011A	P272379	26059	Normal Environmental Sample #1	1798
ST-253	KAFB-253-02-0204	011A	P272379	26244	Normal Environmental Sample #1	1794
ST-253	KAFB-253-02-1214	011A	0353440013SA	035344	Normal Environmental Sample #1	1791
ST-253	KAFB-253-02-1214	011A	0353440013SA	9405126K	Normal Environmental Sample #1	1792
ST-253	KAFB-253-02-1214	011A	0353440013SA	940520N	Normal Environmental Sample #1	1796
ST-253	KAFB-253-02-1214	011A	P272380	25918	Normal Environmental Sample #1	1793
ST-253	KAFB-253-02-1214	011A	P272380	25950	Normal Environmental Sample #1	1799
ST-253	KAFB-253-02-1214	011A	P272380	26016	Normal Environmental Sample #1	1795
ST-253	KAFB-253-02-1214	011A	P272380	26059	Normal Environmental Sample #1	1797
ST-253	KAFB-253-02-1214	011A	P272380	26059	Normal Environmental Sample #1	1798
ST-253	KAFB-253-02-1214	011A	P272380	26244	Normal Environmental Sample #1	1794
ST-253	KAFB-253-99-0206	011A	0353440009SA	035344	Field Replicate #1	1782
ST-253	KAFB-253-99-0206	011A	0353440009SA	9405126K	Field Replicate #1	1783
ST-253	KAFB-253-99-0206	011A	0353440009SA	940519N	Field Replicate #1	1787
ST-253	KAFB-253-99-0206	011A	P272376	25918	Field Replicate #1	1784
ST-253	KAFB-253-99-0206	011A	P272376	25950	Field Replicate #1	1790
ST-253	KAFB-253-99-0206	011A	P272376	26016	Field Replicate #1	1786
ST-253	KAFB-253-99-0206	011A	P272376	26059	Field Replicate #1	1788

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Site	Field ID	Fld Lot	Lab ID	Lab Lot	Sample Description	Page
ST-253	KAFB-253-99-0206	011A	P272376	26059	Field Replicate #1	1789
ST-253	KAFB-253-99-0206	011A	P272376	26244	Field Replicate #1	1785
ST-253	KAFB-EB-252-050994	011A	0353440002EB	9405176A	Equipment Blank #1	1783
ST-253	KAFB-EB-252-050994	011A	0353440002EB	9405176A	Equipment Blank #1	1787
ST-253	KAFB-EB-252-050994	011A	0353440002EB	9405176A	Equipment Blank #1	1792
ST-253	KAFB-EB-252-050994	011A	0353440002EB	9405176A	Equipment Blank #1	1796
ST-253	KAFB-EB-252-050994	011A	0353440002EB	940520N	Equipment Blank #1	1787
ST-253	KAFB-EB-252-050994	011A	0353440002EB	940520N	Equipment Blank #1	1796
ST-253	KAFB-EB-252-050994	011A	P272369	25929	Equipment Blank #1	1785
ST-253	KAFB-EB-252-050994	011A	P272369	25929	Equipment Blank #1	1794
ST-253	KAFB-EB-252-050994	011A	P272369	25934	Equipment Blank #1	1788
ST-253	KAFB-EB-252-050994	011A	P272369	25934	Equipment Blank #1	1789
ST-253	KAFB-EB-252-050994	011A	P272369	25934	Equipment Blank #1	1797
ST-253	KAFB-EB-252-050994	011A	P272369	25934	Equipment Blank #1	1798
ST-253	KAFB-EB-252-050994,	011A	P272369	25935	Equipment Blank #1	1786
ST-253	KAFB-EB-252-050994	011A	P272369	25935	Equipment Blank #1	1795
ST-253	KAFB-EB-252-050994	011A	P272369	25961	Equipment Blank #1	1784
ST-253	KAFB-EB-252-050994	011A	P272369	25961	Equipment Blank #1	1793
ST-253	KAFB-TB-01-050994	011A	0353440001TB	9405176A	Trip Blank #1	1783
ST-253	KAFB-TB-01-050994	011A	0353440001TB	9405176A	Trip Blank #1	1787
ST-253	KAFB-TB-01-050994	011A	0353440001TB	9405176A	Trip Blank #1	1792
ST-253	KAFB-TB-01-050994	011A	0353440001TB	9405176A	Trip Blank #1	1796
ST-253	KAFB-TB-01-050994	011A	0353440001TB	940520N	Trip Blank #1	1787
ST-253	KAFB-TB-01-050994	011A	0353440001TB	940520N	Trip Blank #1	1796
ST-254	KAFB-254-01-0608	011A	0358490003SA	035849	Normal Environmental Sample #1	1800
ST-254	KAFB-254-01-0608	011A	0358490003SA	940608J	Normal Environmental Sample #1	1805
ST-254	KAFB-254-01-0608	011A	0358490003SA	9406106K	Normal Environmental Sample #1	1801
ST-254	KAFB-254-01-0608	011A	P274676	26469	Normal Environmental Sample #1	1808
ST-254	KAFB-254-01-0608	011A	P274676	26528	Normal Environmental Sample #1	1802
ST-254	KAFB-254-01-0608	011A	P274676	26543	Normal Environmental Sample #1	1804
ST-254	KAFB-254-01-0608	011A	P274676	26545	Normal Environmental Sample #1	1806
ST-254	KAFB-254-01-0608	011A	P274676	26545	Normal Environmental Sample #1	1807
ST-254	KAFB-254-01-0608	011A	P274676	26598	Normal Environmental Sample #1	1803
ST-254	KAFB-254-01-1113	011A	0358490004SA	035849	Normal Environmental Sample #1	1800
ST-254	KAFB-254-01-1113	011A	0358490004SA	940608J	Normal Environmental Sample #1	1805
ST-254	KAFB-254-01-1113	011A	0358490004SA	9406106K	Normal Environmental Sample #1	1801
ST-254	KAFB-254-01-1113	011A	P274677	26469	Normal Environmental Sample #1	1808
ST-254	KAFB-254-01-1113	011A	P274677	26528	Normal Environmental Sample #1	1802
ST-254	KAFB-254-01-1113	011A	P274677	26543	Normal Environmental Sample #1	1804
ST-254	KAFB-254-01-1113	011A	P274677	26545	Normal Environmental Sample #1	1806
ST-254	KAFB-254-01-1113	011A	P274677	26545	Normal Environmental Sample #1	1807
ST-254	KAFB-254-01-1113	011A	P274677	26598	Normal Environmental Sample #1	1803
ST-254	KAFB-254-02-0609	011A	0358490005SA	035849	Normal Environmental Sample #1	1809
ST-254	KAFB-254-02-0609	011A	0358490005SA	940609N	Normal Environmental Sample #1	1814
ST-254	KAFB-254-02-0609	011A	0358490005SA	9406106K	Normal Environmental Sample #1	1810
ST-254	KAFB-254-02-0609	011A	P274678	26469	Normal Environmental Sample #1	1817
ST-254	KAFB-254-02-0609	011A	P274678	26528	Normal Environmental Sample #1	1811
ST-254	KAFB-254-02-0609	011A	P274678	26543	Normal Environmental Sample #1	1813
ST-254	KAFB-254-02-0609	011A	P274678	26545	Normal Environmental Sample #1	1815
ST-254	KAFB-254-02-0609	011A	P274678	26545	Normal Environmental Sample #1	1816
ST-254	KAFB-254-02-0609	011A	P274678	26598	Normal Environmental Sample #1	1812
ST-254	KAFB-254-02-1113	011A	0358490006SA	035849	Normal Environmental Sample #1	1809

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Site	Field ID	Fld Lot	Lab ID	Lab Lot	Sample Description	Page
ST-254	KAFB-254-02-1113	011A	0358490006SA	940609N	Normal Environmental Sample #1	1814
ST-254	KAFB-254-02-1113	011A	0358490006SA	9406106K	Normal Environmental Sample #1	1810
ST-254	KAFB-254-02-1113	011A	P274679	26469	Normal Environmental Sample #1	1817
ST-254	KAFB-254-02-1113	011A	P274679	26528	Normal Environmental Sample #1	1811
ST-254	KAFB-254-02-1113	011A	P274679	26543	Normal Environmental Sample #1	1813
ST-254	KAFB-254-02-1113	011A	P274679	26545	Normal Environmental Sample #1	1815
ST-254	KAFB-254-02-1113	011A	P274679	26545	Normal Environmental Sample #1	1816
ST-254	KAFB-254-02-1113	011A	P274679	26598	Normal Environmental Sample #1	1812
ST-254	KAFB-254-03-0608	011A	0358490007SA	035849	Normal Environmental Sample #1	1818
ST-254	KAFB-254-03-0608	011A	0358490007SA	940609N	Normal Environmental Sample #1	1823
ST-254	KAFB-254-03-0608	011A	0358490007SA	9406106K	Normal Environmental Sample #1	1819
ST-254	KAFB-254-03-0608	011A	P274680	26469	Normal Environmental Sample #1	1826
ST-254	KAFB-254-03-0608	011A	P274680	26528	Normal Environmental Sample #1	1820
ST-254	KAFB-254-03-0608	011A	P274680	26543	Normal Environmental Sample #1	1822
ST-254	KAFB-254-03-0608	011A	P274680	26545	Normal Environmental Sample #1	1824
ST-254	KAFB-254-03-0608	011A	P274680	26545	Normal Environmental Sample #1	1825
ST-254	KAFB-254-03-0608	011A	P274680	26598	Normal Environmental Sample #1	1821
ST-254	KAFB-254-03-1113	011A	0358490008SA	035849	Normal Environmental Sample #1	1818
ST-254	KAFB-254-03-1113	011A	0358490008SA	940609N	Normal Environmental Sample #1	1823
ST-254	KAFB-254-03-1113	011A	0358490008SA	9406106K	Normal Environmental Sample #1	1819
ST-254	KAFB-254-03-1113	011A	P274681	26469	Normal Environmental Sample #1	1826
ST-254	KAFB-254-03-1113	011A	P274681	26528	Normal Environmental Sample #1	1820
ST-254	KAFB-254-03-1113	011A	P274681	26543	Normal Environmental Sample #1	1822
ST-254	KAFB-254-03-1113	011A	P274681	26545	Normal Environmental Sample #1	1824
ST-254	KAFB-254-03-1113	011A	P274681	26545	Normal Environmental Sample #1	1825
ST-254	KAFB-254-03-1113	011A	P274681	26598	Normal Environmental Sample #1	1821
ST-254	KAFB-254-04-0610	011A	0358490009SA	035849	Normal Environmental Sample #1	1827
ST-254	KAFB-254-04-0610	011A	0358490009SA	940609N	Normal Environmental Sample #1	1832
ST-254	KAFB-254-04-0610	011A	0358490009SA	9406106K	Normal Environmental Sample #1	1828
ST-254	KAFB-254-04-0610	011A	P274682	26469	Normal Environmental Sample #1	1835
ST-254	KAFB-254-04-0610	011A	P274682	26543	Normal Environmental Sample #1	1831
ST-254	KAFB-254-04-0610	011A	P274682	26545	Normal Environmental Sample #1	1833
ST-254	KAFB-254-04-0610	011A	P274682	26545	Normal Environmental Sample #1	1834
ST-254	KAFB-254-04-0610	011A	P274682	26598	Normal Environmental Sample #1	1830
ST-254	KAFB-254-04-0610	011A	P274682	26602	Normal Environmental Sample #1	1829
ST-254	KAFB-254-04-1115	011A	0358490011MS	9406106K	Normal Environmental Sample #1	1828
ST-254	KAFB-254-04-1115	011A	0358490011MS	940610N	Normal Environmental Sample #1	1832
ST-254	KAFB-254-04-1115	011A	0358490011SA	035849	Normal Environmental Sample #1	1827
ST-254	KAFB-254-04-1115	011A	P274684	26470	Normal Environmental Sample #1	1835
ST-254	KAFB-254-04-1115	011A	P274684	26528	Normal Environmental Sample #1	1829
ST-254	KAFB-254-04-1115	011A	P274684	26543	Normal Environmental Sample #1	1831
ST-254	KAFB-254-04-1115	011A	P274684	26545	Normal Environmental Sample #1	1833
ST-254	KAFB-254-04-1115	011A	P274684	26545	Normal Environmental Sample #1	1834
ST-254	KAFB-254-04-1115	011A	P274684	26598	Normal Environmental Sample #1	1830
ST-254	KAFB-254-05-0608	011A	0358490012SA	035849	Normal Environmental Sample #1	1836
ST-254	KAFB-254-05-0608	011A	0358490012SA	940609N	Normal Environmental Sample #1	1841
ST-254	KAFB-254-05-0608	011A	0358490012SA	9406106K	Normal Environmental Sample #1	1837
ST-254	KAFB-254-05-0608	011A	P274685	26470	Normal Environmental Sample #1	1844
ST-254	KAFB-254-05-0608	011A	P274685	26544	Normal Environmental Sample #1	1840
ST-254	KAFB-254-05-0608	011A	P274685	26545	Normal Environmental Sample #1	1842
ST-254	KAFB-254-05-0608	011A	P274685	26545	Normal Environmental Sample #1	1843
ST-254	KAFB-254-05-0608	011A	P274685	26598	Normal Environmental Sample #1	1839

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ST-254	KAFB-254-05-0608	011A	P274685	26602	Normal Environmental Sample #1	1838
ST-254	KAFB-254-05-1113	011A	0358490013SA	035849	Normal Environmental Sample #1	1836
ST-254	KAFB-254-05-1113	011A	0358490013SA	940609N	Normal Environmental Sample #1	1841
ST-254	KAFB-254-05-1113	011A	0358490013SA	9406106K	Normal Environmental Sample #1	1837
ST-254	KAFB-254-05-1113	011A	P274686	26470	Normal Environmental Sample #1	1844
ST-254	KAFB-254-05-1113	011A	P274686	26544	Normal Environmental Sample #1	1840
ST-254	KAFB-254-05-1113	011A	P274686	26545	Normal Environmental Sample #1	1842
ST-254	KAFB-254-05-1113	011A	P274686	26545	Normal Environmental Sample #1	1843
ST-254	KAFB-254-05-1113	011A	P274686	26598	Normal Environmental Sample #1	1839
ST-254	KAFB-254-05-1113	011A	P274686	26602	Normal Environmental Sample #1	1838
ST-254	KAFB-254-99-0610	011A	0358490009SA	035849	Field Replicate #1	1827
ST-254	KAFB-254-99-0610	011A	0358490009SA	940609N	Field Replicate #1	1832
ST-254	KAFB-254-99-0610	011A	0358490009SA	9406106K	Field Replicate #1	1828
ST-254	KAFB-254-99-0610	011A	P274682	26469	Field Replicate #1	1835
ST-254	KAFB-254-99-0610	011A	P274682	26543	Field Replicate #1	1831
ST-254	KAFB-254-99-0610	011A	P274682	26545	Field Replicate #1	1833
ST-254	KAFB-254-99-0610	011A	P274682	26545	Field Replicate #1	1834
ST-254	KAFB-254-99-0610	011A	P274682	26598	Field Replicate #1	1830
ST-254	KAFB-254-99-0610	011A	P274682	26602	Field Replicate #1	1829
ST-254	KAFB-EB-254-060194	011A	0358490002EB	940608J	Equipment Blank #1	1805
ST-254	KAFB-EB-254-060194	011A	0358490002EB	940608J	Equipment Blank #1	1814
ST-254	KAFB-EB-254-060194	011A	0358490002EB	940608J	Equipment Blank #1	1823
ST-254	KAFB-EB-254-060194	011A	0358490002EB	940608J	Equipment Blank #1	1832
ST-254	KAFB-EB-254-060194	011A	0358490002EB	940608J	Equipment Blank #1	1841
ST-254	KAFB-EB-254-060194	011A	0358490002EB	940615B	Equipment Blank #1	1801
ST-254	KAFB-EB-254-060194	011A	0358490002EB	940615B	Equipment Blank #1	1805
ST-254	KAFB-EB-254-060194	011A	0358490002EB	940615B	Equipment Blank #1	1810
ST-254	KAFB-EB-254-060194	011A	0358490002EB	940615B	Equipment Blank #1	1814
ST-254	KAFB-EB-254-060194	011A	0358490002EB	940615B	Equipment Blank #1	1819
ST-254	KAFB-EB-254-060194	011A	0358490002EB	940615B	Equipment Blank #1	1823
ST-254	KAFB-EB-254-060194	011A	0358490002EB	940615B	Equipment Blank #1	1828
ST-254	KAFB-EB-254-060194	011A	0358490002EB	940615B	Equipment Blank #1	1832
ST-254	KAFB-EB-254-060194	011A	0358490002EB	940615B	Equipment Blank #1	1837
ST-254	KAFB-EB-254-060194	011A	0358490002EB	940615B	Equipment Blank #1	1841
ST-254	KAFB-EB-254-060194	011A	P274675	26487	Equipment Blank #1	1806
ST-254	KAFB-EB-254-060194	011A	P274675	26487	Equipment Blank #1	1807
ST-254	KAFB-EB-254-060194	011A	P274675	26487	Equipment Blank #1	1815
ST-254	KAFB-EB-254-060194	011A	P274675	26487	Equipment Blank #1	1816
ST-254	KAFB-EB-254-060194	011A	P274675	26487	Equipment Blank #1	1824
ST-254	KAFB-EB-254-060194	011A	P274675	26487	Equipment Blank #1	1825
ST-254	KAFB-EB-254-060194	011A	P274675	26487	Equipment Blank #1	1833
ST-254	KAFB-EB-254-060194	011A	P274675	26487	Equipment Blank #1	1834
ST-254	KAFB-EB-254-060194	011A	P274675	26487	Equipment Blank #1	1842
ST-254	KAFB-EB-254-060194	011A	P274675	26487	Equipment Blank #1	1843
ST-254	KAFB-EB-254-060194	011A	P274675	26489	Equipment Blank #1	1804
ST-254	KAFB-EB-254-060194	011A	P274675	26489	Equipment Blank #1	1813
ST-254	KAFB-EB-254-060194	011A	P274675	26489	Equipment Blank #1	1822
ST-254	KAFB-EB-254-060194	011A	P274675	26489	Equipment Blank #1	1831
ST-254	KAFB-EB-254-060194	011A	P274675	26489	Equipment Blank #1	1840
ST-254	KAFB-EB-254-060194	011A	P274675	26517	Equipment Blank #1	1802
ST-254	KAFB-EB-254-060194	011A	P274675	26517	Equipment Blank #1	1811
ST-254	KAFB-EB-254-060194	011A	P274675	26517	Equipment Blank #1	1820

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ST-254	KAFB-EB-254-060194	011A	P274675	26517	Equipment Blank #1	1829
ST-254	KAFB-EB-254-060194	011A	P274675	26517	Equipment Blank #1	1838
ST-254	KAFB-EB-254-060194	011A	P274675	26562	Equipment Blank #1	1803
ST-254	KAFB-EB-254-060194	011A	P274675	26562	Equipment Blank #1	1812
ST-254	KAFB-EB-254-060194	011A	P274675	26562	Equipment Blank #1	1821
ST-254	KAFB-EB-254-060194	011A	P274675	26562	Equipment Blank #1	1830
ST-254	KAFB-EB-254-060194	011A	P274675	26562	Equipment Blank #1	1839
ST-254	KAFB-TB-01-060194	011A			Trip Blank #1	1801
ST-254	KAFB-TB-01-060194	011A			Trip Blank #1	1805
ST-254	KAFB-TB-01-060194	011A			Trip Blank #1	1810
ST-254	KAFB-TB-01-060194	011A			Trip Blank #1	1814
ST-254	KAFB-TB-01-060194	011A			Trip Blank #1	1819
ST-254	KAFB-TB-01-060194	011A			Trip Blank #1	1823
ST-254	KAFB-TB-01-060194	011A			Trip Blank #1	1828
ST-254	KAFB-TB-01-060194	011A			Trip Blank #1	1832
ST-254	KAFB-TB-01-060194	011A			Trip Blank #1	1837
ST-254	KAFB-TB-01-060194	011A			Trip Blank #1	1841
ST-254	KAFB-TB-01-060194	011A	0358490001TB	940608J	Trip Blank #1	1805
ST-254	KAFB-TB-01-060194	011A	0358490001TB	940608J	Trip Blank #1	1814
ST-254	KAFB-TB-01-060194	011A	0358490001TB	940608J	Trip Blank #1	1823
ST-254	KAFB-TB-01-060194	011A	0358490001TB	940608J	Trip Blank #1	1832
ST-254	KAFB-TB-01-060194	011A	0358490001TB	940608J	Trip Blank #1	1841
ST-255	KAFB-255-01-0305	011A			Normal Environmental Sample #1	1848
ST-255	KAFB-255-01-0305	011A	0365800011SA	036580	Normal Environmental Sample #1	1845
ST-255	KAFB-255-01-0305	011A	0365800011SA	940712J	Normal Environmental Sample #1	1850
ST-255	KAFB-255-01-0305	011A	P278061	27228	Normal Environmental Sample #1	1853
ST-255	KAFB-255-01-0305	011A	P278061	27238	Normal Environmental Sample #1	1846
ST-255	KAFB-255-01-0305	011A	P278061	27276	Normal Environmental Sample #1	1851
ST-255	KAFB-255-01-0305	011A	P278061	27276	Normal Environmental Sample #1	1852
ST-255	KAFB-255-01-0305	011A	P278061	27277	Normal Environmental Sample #1	1849
ST-255	KAFB-255-01-0305	011A	P278061	27288	Normal Environmental Sample #1	1847
ST-255	KAFB-255-01-0812	011A			Normal Environmental Sample #1	1848
ST-255	KAFB-255-01-0812	011A	0365800012SA	036580	Normal Environmental Sample #1	1845
ST-255	KAFB-255-01-0812	011A	0365800012SA	940712J	Normal Environmental Sample #1	1850
ST-255	KAFB-255-01-0812	011A	P278062	27228	Normal Environmental Sample #1	1853
ST-255	KAFB-255-01-0812	011A	P278062	27238	Normal Environmental Sample #1	1846
ST-255	KAFB-255-01-0812	011A	P278062	27276	Normal Environmental Sample #1	1851
ST-255	KAFB-255-01-0812	011A	P278062	27276	Normal Environmental Sample #1	1852
ST-255	KAFB-255-01-0812	011A	P278062	27277	Normal Environmental Sample #1	1849
ST-255	KAFB-255-01-0812	011A	P278062	27287	Normal Environmental Sample #1	1847
ST-255	KAFB-255-02-0305	011A			Normal Environmental Sample #1	1857
ST-255	KAFB-255-02-0305	011A	0365800014SA	036580	Normal Environmental Sample #1	1854
ST-255	KAFB-255-02-0305	011A	0365800014SA	940713J	Normal Environmental Sample #1	1859
ST-255	KAFB-255-02-0305	011A	P278064	27228	Normal Environmental Sample #1	1862
ST-255	KAFB-255-02-0305	011A	P278064	27238	Normal Environmental Sample #1	1855
ST-255	KAFB-255-02-0305	011A	P278064	27276	Normal Environmental Sample #1	1860
ST-255	KAFB-255-02-0305	011A	P278064	27276	Normal Environmental Sample #1	1861
ST-255	KAFB-255-02-0305	011A	P278064	27277	Normal Environmental Sample #1	1858
ST-255	KAFB-255-02-0305	011A	P278064	27414	Normal Environmental Sample #1	1856
ST-255	KAFB-255-02-0810	011A			Normal Environmental Sample #1	1857
ST-255	KAFB-255-02-0810	011A	0365800015SA	036580	Normal Environmental Sample #1	1854
ST-255	KAFB-255-02-0810	011A	0365800015SA	940714J	Normal Environmental Sample #1	1859

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ST-255	KAFB-255-02-0810	011A	P278065	27228	Normal Environmental Sample #1	1862
ST-255	KAFB-255-02-0810	011A	P278065	27238	Normal Environmental Sample #1	1855
ST-255	KAFB-255-02-0810	011A	P278065	27276	Normal Environmental Sample #1	1860
ST-255	KAFB-255-02-0810	011A	P278065	27276	Normal Environmental Sample #1	1861
ST-255	KAFB-255-02-0810	011A	P278065	27277	Normal Environmental Sample #1	1858
ST-255	KAFB-255-02-0810	011A	P278065	27414	Normal Environmental Sample #1	1856
ST-255	KAFB-255-99-0812	011A			Field Replicate #1	1848
ST-255	KAFB-255-99-0812	011A	0365800012SA	036580	Field Replicate #1	1845
ST-255	KAFB-255-99-0812	011A	0365800012SA	940712J	Field Replicate #1	1850
ST-255	KAFB-255-99-0812	011A	P278062	27228	Field Replicate #1	1853
ST-255	KAFB-255-99-0812	011A	P278062	27238	Field Replicate #1	1846
ST-255	KAFB-255-99-0812	011A	P278062	27276	Field Replicate #1	1851
ST-255	KAFB-255-99-0812	011A	P278062	27276	Field Replicate #1	1852
ST-255	KAFB-255-99-0812	011A	P278062	27277	Field Replicate #1	1849
ST-255	KAFB-255-99-0812	011A	P278062	27287	Field Replicate #1	1847
ST-255	KAFB-EB-257-062994	011A	0365800002EB	940711N	Equipment Blank #1	1850
ST-255	KAFB-EB-257-062994	011A	0365800002EB	940711N	Equipment Blank #1	1859
ST-255	KAFB-EB-257-062994	011A	P278052	27227	Equipment Blank #1	1851
ST-255	KAFB-EB-257-062994	011A	P278052	27227	Equipment Blank #1	1852
ST-255	KAFB-EB-257-062994	011A	P278052	27227	Equipment Blank #1	1860
ST-255	KAFB-EB-257-062994	011A	P278052	27227	Equipment Blank #1	1861
ST-255	KAFB-EB-257-062994	011A	P278052	27229	Equipment Blank #1	1849
ST-255	KAFB-EB-257-062994	011A	P278052	27229	Equipment Blank #1	1858
ST-255	KAFB-EB-257-062994	011A	P278052	27260	Equipment Blank #1	1846
ST-255	KAFB-EB-257-062994	011A	P278052	27260	Equipment Blank #1	1855
ST-255	KAFB-EB-257-062994	011A	P278052	27314	Equipment Blank #1	1847
ST-255	KAFB-EB-257-062994	011A	P278052	27314	Equipment Blank #1	1856
ST-255	KAFB-EB-257-062994	011A	P278052	28172	Equipment Blank #1	1848
ST-255	KAFB-EB-257-062994	011A	P278052	28172	Equipment Blank #1	1857
ST-255	KAFB-TB-01-062994	011A	0365800001TB	940711N	Trip Blank #1	1850
ST-255	KAFB-TB-01-062994	011A	0365800001TB	940711N	Trip Blank #1	1859
ST-256	KAFB-256-01-0305	011A			Normal Environmental Sample #1	1866
ST-256	KAFB-256-01-0305	011A	0365800007SA	036580	Normal Environmental Sample #1	1863
ST-256	KAFB-256-01-0305	011A	0365800007SA	940712J	Normal Environmental Sample #1	1868
ST-256	KAFB-256-01-0305	011A	P278057	27228	Normal Environmental Sample #1	1871
ST-256	KAFB-256-01-0305	011A	P278057	27238	Normal Environmental Sample #1	1864
ST-256	KAFB-256-01-0305	011A	P278057	27276	Normal Environmental Sample #1	1869
ST-256	KAFB-256-01-0305	011A	P278057	27276	Normal Environmental Sample #1	1870
ST-256	KAFB-256-01-0305	011A	P278057	27277	Normal Environmental Sample #1	1867
ST-256	KAFB-256-01-0305	011A	P278057	27288	Normal Environmental Sample #1	1865
ST-256	KAFB-256-01-0810	011A			Normal Environmental Sample #1	1866
ST-256	KAFB-256-01-0810	011A	0365800008SA	036580	Normal Environmental Sample #1	1863
ST-256	KAFB-256-01-0810	011A	0365800008SA	940712J	Normal Environmental Sample #1	1868
ST-256	KAFB-256-01-0810	011A	P278058	27228	Normal Environmental Sample #1	1871
ST-256	KAFB-256-01-0810	011A	P278058	27238	Normal Environmental Sample #1	1864
ST-256	KAFB-256-01-0810	011A	P278058	27276	Normal Environmental Sample #1	1869
ST-256	KAFB-256-01-0810	011A	P278058	27276	Normal Environmental Sample #1	1870
ST-256	KAFB-256-01-0810	011A	P278058	27277	Normal Environmental Sample #1	1867
ST-256	KAFB-256-01-0810	011A	P278058	27288	Normal Environmental Sample #1	1865
ST-256	KAFB-256-02-0305	011A			Normal Environmental Sample #1	1875
ST-256	KAFB-256-02-0305	011A	0365800009SA	036580	Normal Environmental Sample #1	1872
ST-256	KAFB-256-02-0305	011A	0365800009SA	940712J	Normal Environmental Sample #1	1877

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Site	Field ID	Fld Lot	Lab ID	Lab Lot	Sample Description	Page
ST-256	KAFB-256-02-0305	011A	P278059	27228	Normal Environmental Sample #1	1880
ST-256	KAFB-256-02-0305	011A	P278059	27238	Normal Environmental Sample #1	1873
ST-256	KAFB-256-02-0305	011A	P278059	27276	Normal Environmental Sample #1	1878
ST-256	KAFB-256-02-0305	011A	P278059	27276	Normal Environmental Sample #1	1879
ST-256	KAFB-256-02-0305	011A	P278059	27277	Normal Environmental Sample #1	1876
ST-256	KAFB-256-02-0305	011A	P278059	27288	Normal Environmental Sample #1	1874
ST-256	KAFB-256-02-0810	011A			Normal Environmental Sample #1	1875
ST-256	KAFB-256-02-0810	011A	0365800010SA	036580	Normal Environmental Sample #1	1872
ST-256	KAFB-256-02-0810	011A	0365800010SA	940712J	Normal Environmental Sample #1	1877
ST-256	KAFB-256-02-0810	011A	P278060	27228	Normal Environmental Sample #1	1880
ST-256	KAFB-256-02-0810	011A	P278060	27276	Normal Environmental Sample #1	1878
ST-256	KAFB-256-02-0810	011A	P278060	27276	Normal Environmental Sample #1	1879
ST-256	KAFB-256-02-0810	011A	P278060	27277	Normal Environmental Sample #1	1876
ST-256	KAFB-256-02-0810	011A	P278060	27284	Normal Environmental Sample #1	1873
ST-256	KAFB-256-02-0810	011A	P278060	27288	Normal Environmental Sample #1	1874
ST-256	KAFB-EB-257-062994	011A	0365800002EB	940711N	Equipment Blank #1	1866
ST-256	KAFB-EB-257-062994	011A	0365800002EB	940711N	Equipment Blank #1	1868
ST-256	KAFB-EB-257-062994	011A	0365800002EB	940711N	Equipment Blank #1	1875
ST-256	KAFB-EB-257-062994	011A	0365800002EB	940711N	Equipment Blank #1	1877
ST-256	KAFB-EB-257-062994	011A	P278052	27227	Equipment Blank #1	1869
ST-256	KAFB-EB-257-062994	011A	P278052	27227	Equipment Blank #1	1870
ST-256	KAFB-EB-257-062994	011A	P278052	27227	Equipment Blank #1	1878
ST-256	KAFB-EB-257-062994	011A	P278052	27227	Equipment Blank #1	1879
ST-256	KAFB-EB-257-062994	011A	P278052	27229	Equipment Blank #1	1867
ST-256	KAFB-EB-257-062994	011A	P278052	27229	Equipment Blank #1	1876
ST-256	KAFB-EB-257-062994	011A	P278052	27260	Equipment Blank #1	1864
ST-256	KAFB-EB-257-062994	011A	P278052	27260	Equipment Blank #1	1873
ST-256	KAFB-EB-257-062994	011A	P278052	27314	Equipment Blank #1	1865
ST-256	KAFB-EB-257-062994	011A	P278052	27314	Equipment Blank #1	1874
ST-256	KAFB-EB-257-062994	011A	P278052	28172	Equipment Blank #1	1866
ST-256	KAFB-EB-257-062994	011A	P278052	28172	Equipment Blank #1	1875
ST-256	KAFB-TB-01-062994	011A	0365800001TB	940711N	Trip Blank #1	1866
ST-256	KAFB-TB-01-062994	011A	0365800001TB	940711N	Trip Blank #1	1868
ST-256	KAFB-TB-01-062994	011A	0365800001TB	940711N	Trip Blank #1	1875
ST-256	KAFB-TB-01-062994	011A	0365800001TB	940711N	Trip Blank #1	1877
ST-257	KAFB-257-01-0305	011A			Normal Environmental Sample #1	1884
ST-257	KAFB-257-01-0305	011A	0365610014SA	036561	Normal Environmental Sample #1	1881
ST-257	KAFB-257-01-0305	011A	0365610014SA	940711N	Normal Environmental Sample #1	1886
ST-257	KAFB-257-01-0305	011A	P277997	27140	Normal Environmental Sample #1	1889
ST-257	KAFB-257-01-0305	011A	P277997	27200	Normal Environmental Sample #1	1885
ST-257	KAFB-257-01-0305	011A	P277997	27218	Normal Environmental Sample #1	1882
ST-257	KAFB-257-01-0305	011A	P277997	27232	Normal Environmental Sample #1	1887
ST-257	KAFB-257-01-0305	011A	P277997	27232	Normal Environmental Sample #1	1888
ST-257	KAFB-257-01-0305	011A	P277997	27288	Normal Environmental Sample #1	1883
ST-257	KAFB-257-01-0812	011A			Normal Environmental Sample #1	1884
ST-257	KAFB-257-01-0812	011A	0365610015MS	940711E	Normal Environmental Sample #1	1886
ST-257	KAFB-257-01-0812	011A	0365610015SA	036561	Normal Environmental Sample #1	1881
ST-257	KAFB-257-01-0812	011A	P277998	27140	Normal Environmental Sample #1	1889
ST-257	KAFB-257-01-0812	011A	P277998	27218	Normal Environmental Sample #1	1882
ST-257	KAFB-257-01-0812	011A	P277998	27232	Normal Environmental Sample #1	1887
ST-257	KAFB-257-01-0812	011A	P277998	27232	Normal Environmental Sample #1	1888
ST-257	KAFB-257-01-0812	011A	P277998	27288	Normal Environmental Sample #1	1883

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Site	Field ID	Fld Lot	Lab ID	Lab Lot	Sample Description	Page
ST-257	KAFB-257-01-0812	011A	P277998	28174	Normal Environmental Sample #1	1885
ST-257	KAFB-257-02-0307	011A			Normal Environmental Sample #1	1893
ST-257	KAFB-257-02-0307	011A	0365800003MS	940711N	Normal Environmental Sample #1	1895
ST-257	KAFB-257-02-0307	011A	0365800003SA	036580	Normal Environmental Sample #1	1890
ST-257	KAFB-257-02-0307	011A	P278053	27228	Normal Environmental Sample #1	1898
ST-257	KAFB-257-02-0307	011A	P278053	27238	Normal Environmental Sample #1	1891
ST-257	KAFB-257-02-0307	011A	P278053	27276	Normal Environmental Sample #1	1896
ST-257	KAFB-257-02-0307	011A	P278053	27276	Normal Environmental Sample #1	1897
ST-257	KAFB-257-02-0307	011A	P278053	27277	Normal Environmental Sample #1	1894
ST-257	KAFB-257-02-0307	011A	P278053	27288	Normal Environmental Sample #1	1892
ST-257	KAFB-257-02-0810	011A			Normal Environmental Sample #1	1893
ST-257	KAFB-257-02-0810	011A	0365800004SA	036580	Normal Environmental Sample #1	1890
ST-257	KAFB-257-02-0810	011A	0365800004SA	940712J	Normal Environmental Sample #1	1895
ST-257	KAFB-257-02-0810	011A	P278054	27228	Normal Environmental Sample #1	1898
ST-257	KAFB-257-02-0810	011A	P278054	27276	Normal Environmental Sample #1	1896
ST-257	KAFB-257-02-0810	011A	P278054	27276	Normal Environmental Sample #1	1897
ST-257	KAFB-257-02-0810	011A	P278054	27277	Normal Environmental Sample #1	1894
ST-257	KAFB-257-02-0810	011A	P278054	27284	Normal Environmental Sample #1	1891
ST-257	KAFB-257-02-0810	011A	P278054	27288	Normal Environmental Sample #1	1892
ST-257	KAFB-257-03-0305	011A			Normal Environmental Sample #1	1902
ST-257	KAFB-257-03-0305	011A	0365800005SA	036580	Normal Environmental Sample #1	1899
ST-257	KAFB-257-03-0305	011A	0365800005SA	940712J	Normal Environmental Sample #1	1904
ST-257	KAFB-257-03-0305	011A	P278055	27228	Normal Environmental Sample #1	1907
ST-257	KAFB-257-03-0305	011A	P278055	27276	Normal Environmental Sample #1	1905
ST-257	KAFB-257-03-0305	011A	P278055	27276	Normal Environmental Sample #1	1906
ST-257	KAFB-257-03-0305	011A	P278055	27277	Normal Environmental Sample #1	1903
ST-257	KAFB-257-03-0305	011A	P278055	27284	Normal Environmental Sample #1	1900
ST-257	KAFB-257-03-0305	011A	P278055	27288	Normal Environmental Sample #1	1901
ST-257	KAFB-257-03-0810	011A			Normal Environmental Sample #1	1902
ST-257	KAFB-257-03-0810	011A	0365800006SA	036580	Normal Environmental Sample #1	1899
ST-257	KAFB-257-03-0810	011A	0365800006SA	940712J	Normal Environmental Sample #1	1904
ST-257	KAFB-257-03-0810	011A	P278056	27228	Normal Environmental Sample #1	1907
ST-257	KAFB-257-03-0810	011A	P278056	27276	Normal Environmental Sample #1	1905
ST-257	KAFB-257-03-0810	011A	P278056	27276	Normal Environmental Sample #1	1906
ST-257	KAFB-257-03-0810	011A	P278056	27277	Normal Environmental Sample #1	1903
ST-257	KAFB-257-03-0810	011A	P278056	27284	Normal Environmental Sample #1	1900
ST-257	KAFB-257-03-0810	011A	P278056	27288	Normal Environmental Sample #1	1901
ST-257	KAFB-257-99-0812	011A			Field Replicate #1	1884
ST-257	KAFB-257-99-0812	011A	0365610015MS	940711E	Field Replicate #1	1886
ST-257	KAFB-257-99-0812	011A	0365610015SA	036561	Field Replicate #1	1881
ST-257	KAFB-257-99-0812	011A	P277998	27140	Field Replicate #1	1889
ST-257	KAFB-257-99-0812	011A	P277998	27218	Field Replicate #1	1882
ST-257	KAFB-257-99-0812	011A	P277998	27232	Field Replicate #1	1887
ST-257	KAFB-257-99-0812	011A	P277998	27232	Field Replicate #1	1888
ST-257	KAFB-257-99-0812	011A	P277998	27288	Field Replicate #1	1883
ST-257	KAFB-257-99-0812	011A	P277998	28174	Field Replicate #1	1885
ST-257	KAFB-EB-257-062994	011A	0365800002EB	940711N	Equipment Blank #1	1893
ST-257	KAFB-EB-257-062994	011A	0365800002EB	940711N	Equipment Blank #1	1895
ST-257	KAFB-EB-257-062994	011A	0365800002EB	940711N	Equipment Blank #1	1902
ST-257	KAFB-EB-257-062994	011A	0365800002EB	940711N	Equipment Blank #1	1904
ST-257	KAFB-EB-257-062994	011A	P278052	27227	Equipment Blank #1	1896
ST-257	KAFB-EB-257-062994	011A	P278052	27227	Equipment Blank #1	1897

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Site	Field ID	Fld Lot	Lab ID	Lab Lot	Sample Description	Page
ST-257	KAFB-EB-257-062994	011A	P278052	27227	Equipment Blank #1	1905
ST-257	KAFB-EB-257-062994	011A	P278052	27227	Equipment Blank #1	1906
ST-257	KAFB-EB-257-062994	011A	P278052	27229	Equipment Blank #1	1894
ST-257	KAFB-EB-257-062994	011A	P278052	27229	Equipment Blank #1	1903
ST-257	KAFB-EB-257-062994	011A	P278052	27260	Equipment Blank #1	1891
ST-257	KAFB-EB-257-062994	011A	P278052	27260	Equipment Blank #1	1900
ST-257	KAFB-EB-257-062994	011A	P278052	27314	Equipment Blank #1	1892
ST-257	KAFB-EB-257-062994	011A	P278052	27314	Equipment Blank #1	1901
ST-257	KAFB-EB-257-062994	011A	P278052	28172	Equipment Blank #1	1893
ST-257	KAFB-EB-257-062994	011A	P278052	28172	Equipment Blank #1	1902
ST-257	KAFB-EB-265-062894	011A	0365610002EB	940711J	Equipment Blank #1	1886
ST-257	KAFB-EB-265-062894	011A	P277985	021.0	Equipment Blank #1	1884
ST-257	KAFB-EB-265-062894	011A	P277985	27128	Equipment Blank #1	1882
ST-257	KAFB-EB-265-062894	011A	P277985	27153	Equipment Blank #1	1887
ST-257	KAFB-EB-265-062894	011A	P277985	27153	Equipment Blank #1	1888
ST-257	KAFB-EB-265-062894	011A	P277985	27154	Equipment Blank #1	1885
ST-257	KAFB-EB-265-062894	011A	P277985	27314	Equipment Blank #1	1883
ST-257	KAFB-TB-01-062894	011A	0365610001TB	940711J	Trip Blank #1	1886
ST-257	KAFB-TB-01-062994	011A	0365800001TB	940711N	Trip Blank #1	1893
ST-257	KAFB-TB-01-062994	011A	0365800001TB	940711N	Trip Blank #1	1895
ST-257	KAFB-TB-01-062994	011A	0365800001TB	940711N	Trip Blank #1	1902
ST-257	KAFB-TB-01-062994	011A	0365800001TB	940711N	Trip Blank #1	1904
ST-258	KAFB-258-01-0305	011A			Normal Environmental Sample #1	1911
ST-258	KAFB-258-01-0305	011A	0365610010SA	036561	Normal Environmental Sample #1	1908
ST-258	KAFB-258-01-0305	011A	0365610010SA	940712J	Normal Environmental Sample #1	1913
ST-258	KAFB-258-01-0305	011A	P277993	27140	Normal Environmental Sample #1	1916
ST-258	KAFB-258-01-0305	011A	P277993	27200	Normal Environmental Sample #1	1912
ST-258	KAFB-258-01-0305	011A	P277993	27232	Normal Environmental Sample #1	1914
ST-258	KAFB-258-01-0305	011A	P277993	27232	Normal Environmental Sample #1	1915
ST-258	KAFB-258-01-0305	011A	P277993	27238	Normal Environmental Sample #1	1909
ST-258	KAFB-258-01-0305	011A	P277993	27287	Normal Environmental Sample #1	1910
ST-258	KAFB-258-01-0810	011A			Normal Environmental Sample #1	1911
ST-258	KAFB-258-01-0810	011A	0365610011SA	036561	Normal Environmental Sample #1	1908
ST-258	KAFB-258-01-0810	011A	0365610011SA	940711E	Normal Environmental Sample #1	1913
ST-258	KAFB-258-01-0810	011A	P277994	27140	Normal Environmental Sample #1	1916
ST-258	KAFB-258-01-0810	011A	P277994	27200	Normal Environmental Sample #1	1912
ST-258	KAFB-258-01-0810	011A	P277994	27232	Normal Environmental Sample #1	1914
ST-258	KAFB-258-01-0810	011A	P277994	27232	Normal Environmental Sample #1	1915
ST-258	KAFB-258-01-0810	011A	P277994	27238	Normal Environmental Sample #1	1909
ST-258	KAFB-258-01-0810	011A	P277994	27287	Normal Environmental Sample #1	1910
ST-258	KAFB-258-02-0305	011A			Normal Environmental Sample #1	1920
ST-258	KAFB-258-02-0305	011A	0365610012SA	036561	Normal Environmental Sample #1	1917
ST-258	KAFB-258-02-0305	011A	0365610012SA	940712J	Normal Environmental Sample #1	1922
ST-258	KAFB-258-02-0305	011A	P277995	27140	Normal Environmental Sample #1	1925
ST-258	KAFB-258-02-0305	011A	P277995	27200	Normal Environmental Sample #1	1921
ST-258	KAFB-258-02-0305	011A	P277995	27232	Normal Environmental Sample #1	1923
ST-258	KAFB-258-02-0305	011A	P277995	27232	Normal Environmental Sample #1	1924
ST-258	KAFB-258-02-0305	011A	P277995	27238	Normal Environmental Sample #1	1918
ST-258	KAFB-258-02-0305	011A	P277995	27288	Normal Environmental Sample #1	1919
ST-258	KAFB-258-02-0810	011A			Normal Environmental Sample #1	1920
ST-258	KAFB-258-02-0810	011A	0365610013SA	036561	Normal Environmental Sample #1	1917
ST-258	KAFB-258-02-0810	011A	0365610013SA	940711N	Normal Environmental Sample #1	1922

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Site	Field ID	Fld Lot	Lab ID	Lab Lot	Sample Description	Page
ST-258	KAFB-258-02-0810	011A	P277996	27140	Normal Environmental Sample #1	1925
ST-258	KAFB-258-02-0810	011A	P277996	27200	Normal Environmental Sample #1	1921
ST-258	KAFB-258-02-0810	011A	P277996	27232	Normal Environmental Sample #1	1923
ST-258	KAFB-258-02-0810	011A	P277996	27232	Normal Environmental Sample #1	1924
ST-258	KAFB-258-02-0810	011A	P277996	27238	Normal Environmental Sample #1	1918
ST-258	KAFB-258-02-0810	011A	P277996	27288	Normal Environmental Sample #1	1919
ST-258	KAFB-EB-265-062894	011A	0365610002EB	940711J	Equipment Blank #1	1913
ST-258	KAFB-EB-265-062894	011A	0365610002EB	940711J	Equipment Blank #1	1922
ST-258	KAFB-EB-265-062894	011A	P277985	021.0	Equipment Blank #1	1911
ST-258	KAFB-EB-265-062894	011A	P277985	021.0	Equipment Blank #1	1920
ST-258	KAFB-EB-265-062894	011A	P277985	27128	Equipment Blank #1	1909
ST-258	KAFB-EB-265-062894	011A	P277985	27128	Equipment Blank #1	1918
ST-258	KAFB-EB-265-062894	011A	P277985	27153	Equipment Blank #1	1914
ST-258	KAFB-EB-265-062894	011A	P277985	27153	Equipment Blank #1	1915
ST-258	KAFB-EB-265-062894,	011A	P277985	27153	Equipment Blank #1	1923
ST-258	KAFB-EB-265-062894	011A	P277985	27153	Equipment Blank #1	1924
ST-258	KAFB-EB-265-062894	011A	P277985	27154	Equipment Blank #1	1912
ST-258	KAFB-EB-265-062894	011A	P277985	27154	Equipment Blank #1	1921
ST-258	KAFB-EB-265-062894	011A	P277985	27314	Equipment Blank #1	1910
ST-258	KAFB-EB-265-062894	011A	P277985	27314	Equipment Blank #1	1919
ST-258	KAFB-TB-01-062894	011A	0365610001TB	940711J	Trip Blank #1	1913
ST-258	KAFB-TB-01-062894	011A	0365610001TB	940711J	Trip Blank #1	1922
ST-259	KAFB-259-01-0913	011A			Normal Environmental Sample #1	1929
ST-259	KAFB-259-01-0913	011A	0363160009SA	036316	Normal Environmental Sample #1	1926
ST-259	KAFB-259-01-0913	011A	0363160009SA	940630N	Normal Environmental Sample #1	1931
ST-259	KAFB-259-01-0913	011A	P277007	26980	Normal Environmental Sample #1	1930
ST-259	KAFB-259-01-0913	011A	P277007	26984	Normal Environmental Sample #1	1934
ST-259	KAFB-259-01-0913	011A	P277007	26998	Normal Environmental Sample #1	1932
ST-259	KAFB-259-01-0913	011A	P277007	26998	Normal Environmental Sample #1	1933
ST-259	KAFB-259-01-0913	011A	P277007	27032	Normal Environmental Sample #1	1927
ST-259	KAFB-259-01-0913	011A	P277007	27175	Normal Environmental Sample #1	1928
ST-259	KAFB-259-01-1620	011A			Normal Environmental Sample #1	1929
ST-259	KAFB-259-01-1620	011A	0363160010SA	036316	Normal Environmental Sample #1	1926
ST-259	KAFB-259-01-1620	011A	0363160010SA	940630N	Normal Environmental Sample #1	1931
ST-259	KAFB-259-01-1620	011A	P277008	26984	Normal Environmental Sample #1	1934
ST-259	KAFB-259-01-1620	011A	P277008	26998	Normal Environmental Sample #1	1932
ST-259	KAFB-259-01-1620	011A	P277008	26998	Normal Environmental Sample #1	1933
ST-259	KAFB-259-01-1620	011A	P277008	27032	Normal Environmental Sample #1	1927
ST-259	KAFB-259-01-1620	011A	P277008	27175	Normal Environmental Sample #1	1928
ST-259	KAFB-259-01-1620	011A	P277008	28132	Normal Environmental Sample #1	1930
ST-259	KAFB-259-02	011A	0363160011SA	940701J	Normal Environmental Sample #1	1939
ST-259	KAFB-259-02	011A	P277009	26937	Normal Environmental Sample #1	1940
ST-259	KAFB-259-02	011A	P277009	26937	Normal Environmental Sample #1	1941
ST-259	KAFB-259-02	011A	P277009	26938	Normal Environmental Sample #1	1938
ST-259	KAFB-259-02	011A	P277009	27082	Normal Environmental Sample #1	1935
ST-259	KAFB-259-02	011A	P277009	27090	Normal Environmental Sample #1	1936
ST-259	KAFB-259-02	011A	P277009	28133	Normal Environmental Sample #1	1937
ST-259	KAFB-259-02-0913	011A			Normal Environmental Sample #1	1945
ST-259	KAFB-259-02-0913	011A	0363790007SA	036379	Normal Environmental Sample #1	1942
ST-259	KAFB-259-02-0913	011A	0363790007SA	940701J	Normal Environmental Sample #1	1947
ST-259	KAFB-259-02-0913	011A	P277445	26998	Normal Environmental Sample #1	1948
ST-259	KAFB-259-02-0913	011A	P277445	26998	Normal Environmental Sample #1	1949

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ST-259	KAFB-259-02-0913	011A	P277445	27026	Normal Environmental Sample #1	1950
ST-259	KAFB-259-02-0913	011A	P277445	27032	Normal Environmental Sample #1	1943
ST-259	KAFB-259-02-0913	011A	P277445	27175	Normal Environmental Sample #1	1944
ST-259	KAFB-259-02-0913	011A	P277445	28132	Normal Environmental Sample #1	1946
ST-259	KAFB-259-02-1620	011A			Normal Environmental Sample #1	1945
ST-259	KAFB-259-02-1620	011A	0363790008MS	940701J	Normal Environmental Sample #1	1947
ST-259	KAFB-259-02-1620	011A	0363790008SA	036379	Normal Environmental Sample #1	1942
ST-259	KAFB-259-02-1620	011A	P277446	26980	Normal Environmental Sample #1	1946
ST-259	KAFB-259-02-1620	011A	P277446	26998	Normal Environmental Sample #1	1948
ST-259	KAFB-259-02-1620	011A	P277446	26998	Normal Environmental Sample #1	1949
ST-259	KAFB-259-02-1620	011A	P277446	27026	Normal Environmental Sample #1	1950
ST-259	KAFB-259-02-1620	011A	P277446	27032	Normal Environmental Sample #1	1943
ST-259	KAFB-259-02-1620	011A	P277446	27175	Normal Environmental Sample #1	1944
ST-259	KAFB-259-03-1015	011A			Normal Environmental Sample #1	1954
ST-259	KAFB-259-03-1015	011A	0363160012SA	036316	Normal Environmental Sample #1	1951
ST-259	KAFB-259-03-1015	011A	0363160012SA	940630N	Normal Environmental Sample #1	1956
ST-259	KAFB-259-03-1015	011A	P277010	26980	Normal Environmental Sample #1	1955
ST-259	KAFB-259-03-1015	011A	P277010	26984	Normal Environmental Sample #1	1959
ST-259	KAFB-259-03-1015	011A	P277010	26998	Normal Environmental Sample #1	1957
ST-259	KAFB-259-03-1015	011A	P277010	26998	Normal Environmental Sample #1	1958
ST-259	KAFB-259-03-1015	011A	P277010	27032	Normal Environmental Sample #1	1952
ST-259	KAFB-259-03-1015	011A	P277010	27175	Normal Environmental Sample #1	1953
ST-259	KAFB-259-03-1620	011A			Normal Environmental Sample #1	1954
ST-259	KAFB-259-03-1620	011A	0363160013MS	940630N	Normal Environmental Sample #1	1956
ST-259	KAFB-259-03-1620	011A	0363160013SA	036316	Normal Environmental Sample #1	1951
ST-259	KAFB-259-03-1620	011A	P277011	26980	Normal Environmental Sample #1	1955
ST-259	KAFB-259-03-1620	011A	P277011	26998	Normal Environmental Sample #1	1957
ST-259	KAFB-259-03-1620	011A	P277011	26998	Normal Environmental Sample #1	1958
ST-259	KAFB-259-03-1620	011A	P277011	27026	Normal Environmental Sample #1	1959
ST-259	KAFB-259-03-1620	011A	P277011	27032	Normal Environmental Sample #1	1952
ST-259	KAFB-259-03-1620	011A	P277011	27175	Normal Environmental Sample #1	1953
ST-259	KAFB-259-04-0913	011A			Normal Environmental Sample #1	1963
ST-259	KAFB-259-04-0913	011A	0363790003SA	036379	Normal Environmental Sample #1	1960
ST-259	KAFB-259-04-0913	011A	0363790003SA	940630J	Normal Environmental Sample #1	1965
ST-259	KAFB-259-04-0913	011A	P277441	26980	Normal Environmental Sample #1	1964
ST-259	KAFB-259-04-0913	011A	P277441	26998	Normal Environmental Sample #1	1966
ST-259	KAFB-259-04-0913	011A	P277441	26998	Normal Environmental Sample #1	1967
ST-259	KAFB-259-04-0913	011A	P277441	27026	Normal Environmental Sample #1	1968
ST-259	KAFB-259-04-0913	011A	P277441	27032	Normal Environmental Sample #1	1961
ST-259	KAFB-259-04-0913	011A	P277441	27175	Normal Environmental Sample #1	1962
ST-259	KAFB-259-04-1620	011A			Normal Environmental Sample #1	1963
ST-259	KAFB-259-04-1620	011A	0363790004SA	036379	Normal Environmental Sample #1	1960
ST-259	KAFB-259-04-1620	011A	0363790004SA	940630J	Normal Environmental Sample #1	1965
ST-259	KAFB-259-04-1620	011A	P277442	26980	Normal Environmental Sample #1	1964
ST-259	KAFB-259-04-1620	011A	P277442	26998	Normal Environmental Sample #1	1966
ST-259	KAFB-259-04-1620	011A	P277442	26998	Normal Environmental Sample #1	1967
ST-259	KAFB-259-04-1620	011A	P277442	27026	Normal Environmental Sample #1	1968
ST-259	KAFB-259-04-1620	011A	P277442	27175	Normal Environmental Sample #1	1962
ST-259	KAFB-259-04-1620	011A	P277442	27316	Normal Environmental Sample #1	1961
ST-259	KAFB-259-05-0913	011A			Normal Environmental Sample #1	1972
ST-259	KAFB-259-05-0913	011A	0363790005SA	036379	Normal Environmental Sample #1	1969
ST-259	KAFB-259-05-0913	011A	0363790005SA	940630J	Normal Environmental Sample #1	1974

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ST-259	KAFB-259-05-0913	011A	P277443	26980	Normal Environmental Sample #1	1973
ST-259	KAFB-259-05-0913	011A	P277443	26998	Normal Environmental Sample #1	1975
ST-259	KAFB-259-05-0913	011A	P277443	26998	Normal Environmental Sample #1	1976
ST-259	KAFB-259-05-0913	011A	P277443	27026	Normal Environmental Sample #1	1977
ST-259	KAFB-259-05-0913	011A	P277443	27032	Normal Environmental Sample #1	1970
ST-259	KAFB-259-05-0913	011A	P277443	27175	Normal Environmental Sample #1	1971
ST-259	KAFB-259-05-1620	011A			Normal Environmental Sample #1	1972
ST-259	KAFB-259-05-1620	011A	0363790006SA	036379	Normal Environmental Sample #1	1969
ST-259	KAFB-259-05-1620	011A	0363790006SA	940701J	Normal Environmental Sample #1	1974
ST-259	KAFB-259-05-1620	011A	P277444	26980	Normal Environmental Sample #1	1973
ST-259	KAFB-259-05-1620	011A	P277444	26998	Normal Environmental Sample #1	1975
ST-259	KAFB-259-05-1620	011A	P277444	26998	Normal Environmental Sample #1	1976
ST-259	KAFB-259-05-1620	011A	P277444	27026	Normal Environmental Sample #1	1977
ST-259	KAFB-259-05-1620	011A	P277444	27032	Normal Environmental Sample #1	1970
ST-259	KAFB-259-05-1620	011A	P277444	27175	Normal Environmental Sample #1	1971
ST-259	KAFB-EB-259-062094	011A	0363160008EB	940701J	Equipment Blank #1	1931
ST-259	KAFB-EB-259-062094	011A	0363160008EB	940701J	Equipment Blank #1	1939
ST-259	KAFB-EB-259-062094	011A	0363160008EB	940701J	Equipment Blank #1	1956
ST-259	KAFB-EB-259-062094	011A	P277006	26937	Equipment Blank #1	1932
ST-259	KAFB-EB-259-062094	011A	P277006	26937	Equipment Blank #1	1933
ST-259	KAFB-EB-259-062094	011A	P277006	26937	Equipment Blank #1	1940
ST-259	KAFB-EB-259-062094	011A	P277006	26937	Equipment Blank #1	1941
ST-259	KAFB-EB-259-062094	011A	P277006	26937	Equipment Blank #1	1957
ST-259	KAFB-EB-259-062094	011A	P277006	26937	Equipment Blank #1	1958
ST-259	KAFB-EB-259-062094	011A	P277006	26938	Equipment Blank #1	1930
ST-259	KAFB-EB-259-062094	011A	P277006	26938	Equipment Blank #1	1938
ST-259	KAFB-EB-259-062094	011A	P277006	26938	Equipment Blank #1	1955
ST-259	KAFB-EB-259-062094	011A	P277006	27082	Equipment Blank #1	1927
ST-259	KAFB-EB-259-062094	011A	P277006	27082	Equipment Blank #1	1935
ST-259	KAFB-EB-259-062094	011A	P277006	27082	Equipment Blank #1	1952
ST-259	KAFB-EB-259-062094	011A	P277006	27090	Equipment Blank #1	1928
ST-259	KAFB-EB-259-062094	011A	P277006	27090	Equipment Blank #1	1936
ST-259	KAFB-EB-259-062094	011A	P277006	27090	Equipment Blank #1	1953
ST-259	KAFB-EB-259-062094	011A	P277006	28133	Equipment Blank #1	1929
ST-259	KAFB-EB-259-062094	011A	P277006	28133	Equipment Blank #1	1937
ST-259	KAFB-EB-259-062094	011A	P277006	28133	Equipment Blank #1	1954
ST-259	KAFB-EB-259-062194	011A	0362940009EB	940630J	Equipment Blank #1	1947
ST-259	KAFB-EB-259-062194	011A	0362940009EB	940630J	Equipment Blank #1	1965
ST-259	KAFB-EB-259-062194	011A	0362940009EB	940630J	Equipment Blank #1	1974
ST-259	KAFB-EB-259-062194	011A	P277440	26937	Equipment Blank #1	1948
ST-259	KAFB-EB-259-062194	011A	P277440	26937	Equipment Blank #1	1949
ST-259	KAFB-EB-259-062194	011A	P277440	26937	Equipment Blank #1	1966
ST-259	KAFB-EB-259-062194	011A	P277440	26937	Equipment Blank #1	1967
ST-259	KAFB-EB-259-062194	011A	P277440	26937	Equipment Blank #1	1975
ST-259	KAFB-EB-259-062194	011A	P277440	26937	Equipment Blank #1	1976
ST-259	KAFB-EB-259-062194	011A	P277440	26938	Equipment Blank #1	1946
ST-259	KAFB-EB-259-062194	011A	P277440	26938	Equipment Blank #1	1964
ST-259	KAFB-EB-259-062194	011A	P277440	26938	Equipment Blank #1	1973
ST-259	KAFB-EB-259-062194	011A	P277440	27082	Equipment Blank #1	1943
ST-259	KAFB-EB-259-062194	011A	P277440	27082	Equipment Blank #1	1961
ST-259	KAFB-EB-259-062194	011A	P277440	27082	Equipment Blank #1	1970
ST-259	KAFB-EB-259-062194	011A	P277440	27090	Equipment Blank #1	1944

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ST-259	KAFB-EB-259-062194	011A	P277440	27090	Equipment Blank #1	1962
ST-259	KAFB-EB-259-062194	011A	P277440	27090	Equipment Blank #1	1971
ST-259	KAFB-EB-259-062194	011A	P277440	28134	Equipment Blank #1	1945
ST-259	KAFB-EB-259-062194	011A	P277440	28134	Equipment Blank #1	1963
ST-259	KAFB-EB-259-062194	011A	P277440	28134	Equipment Blank #1	1972
ST-259	KAFB-TB-01-062094	011A	0363160007TB	940701J	Trip Blank #1	1931
ST-259	KAFB-TB-01-062094	011A	0363160007TB	940701J	Trip Blank #1	1939
ST-259	KAFB-TB-01-062094	011A	0363160007TB	940701J	Trip Blank #1	1956
ST-259	KAFB-TB-01-062194	011A	0362940008TB	940630J	Trip Blank #1	1947
ST-259	KAFB-TB-01-062194	011A	0362940008TB	940630J	Trip Blank #1	1965
ST-259	KAFB-TB-01-062194	011A	0362940008TB	940630J	Trip Blank #1	1974
ST-260	KAFB-260-01-0509	011A			Normal Environmental Sample #1	1981
ST-260	KAFB-260-01-0509	011A	0363790012SA	036379	Normal Environmental Sample #1	1978
ST-260	KAFB-260-01-0509	011A	0363790012SA	940702J	Normal Environmental Sample #1	1983
ST-260	KAFB-260-01-0509	011A	P277526	26998	Normal Environmental Sample #1	1984
ST-260	KAFB-260-01-0509	011A	P277526	26998	Normal Environmental Sample #1	1985
ST-260	KAFB-260-01-0509	011A	P277526	27012	Normal Environmental Sample #1	1982
ST-260	KAFB-260-01-0509	011A	P277526	27026	Normal Environmental Sample #1	1986
ST-260	KAFB-260-01-0509	011A	P277526	27032	Normal Environmental Sample #1	1979
ST-260	KAFB-260-01-0509	011A	P277526	27176	Normal Environmental Sample #1	1980
ST-260	KAFB-260-01-1014	011A			Normal Environmental Sample #1	1981
ST-260	KAFB-260-01-1014	011A	0363790015SA	036379	Normal Environmental Sample #1	1978
ST-260	KAFB-260-01-1014	011A	0363790015SA	940702J	Normal Environmental Sample #1	1983
ST-260	KAFB-260-01-1014	011A	P277527	26998	Normal Environmental Sample #1	1984
ST-260	KAFB-260-01-1014	011A	P277527	26998	Normal Environmental Sample #1	1985
ST-260	KAFB-260-01-1014	011A	P277527	27012	Normal Environmental Sample #1	1982
ST-260	KAFB-260-01-1014	011A	P277527	27026	Normal Environmental Sample #1	1986
ST-260	KAFB-260-01-1014	011A	P277527	27176	Normal Environmental Sample #1	1980
ST-260	KAFB-260-01-1014	011A	P277527	27316	Normal Environmental Sample #1	1979
ST-260	KAFB-260-02-0509	011A			Normal Environmental Sample #1	1990
ST-260	KAFB-260-02-0509	011A	0363790013SA	036379	Normal Environmental Sample #1	1987
ST-260	KAFB-260-02-0509	011A	0363790013SA	940702J	Normal Environmental Sample #1	1992
ST-260	KAFB-260-02-0509	011A	P277528	26998	Normal Environmental Sample #1	1993
ST-260	KAFB-260-02-0509	011A	P277528	26998	Normal Environmental Sample #1	1994
ST-260	KAFB-260-02-0509	011A	P277528	27012	Normal Environmental Sample #1	1991
ST-260	KAFB-260-02-0509	011A	P277528	27026	Normal Environmental Sample #1	1995
ST-260	KAFB-260-02-0509	011A	P277528	27176	Normal Environmental Sample #1	1989
ST-260	KAFB-260-02-0509	011A	P277528	27416	Normal Environmental Sample #1	1988
ST-260	KAFB-260-02-1014	011A			Normal Environmental Sample #1	1990
ST-260	KAFB-260-02-1014	011A	0363790014SA	036379	Normal Environmental Sample #1	1987
ST-260	KAFB-260-02-1014	011A	0363790014SA	940702J	Normal Environmental Sample #1	1992
ST-260	KAFB-260-02-1014	011A	P277529	26998	Normal Environmental Sample #1	1993
ST-260	KAFB-260-02-1014	011A	P277529	26998	Normal Environmental Sample #1	1994
ST-260	KAFB-260-02-1014	011A	P277529	27012	Normal Environmental Sample #1	1991
ST-260	KAFB-260-02-1014	011A	P277529	27026	Normal Environmental Sample #1	1995
ST-260	KAFB-260-02-1014	011A	P277529	27176	Normal Environmental Sample #1	1989
ST-260	KAFB-260-02-1014	011A	P277529	27416	Normal Environmental Sample #1	1988
ST-260	KAFB-EB-260-062294	011A	0363790011EB	940701J	Equipment Blank #1	1983
ST-260	KAFB-EB-260-062294	011A	0363790011EB	940701J	Equipment Blank #1	1992
ST-260	KAFB-EB-260-062294	011A	P277525	26991	Equipment Blank #1	1984
ST-260	KAFB-EB-260-062294	011A	P277525	26991	Equipment Blank #1	1985
ST-260	KAFB-EB-260-062294	011A	P277525	26991	Equipment Blank #1	1993

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ST-260	KAFB-EB-260-062294	011A	P277525	26991	Equipment Blank #1	1994
ST-260	KAFB-EB-260-062294	011A	P277525	26992	Equipment Blank #1	1982
ST-260	KAFB-EB-260-062294	011A	P277525	26992	Equipment Blank #1	1991
ST-260	KAFB-EB-260-062294	011A	P277525	27082	Equipment Blank #1	1979
ST-260	KAFB-EB-260-062294	011A	P277525	27082	Equipment Blank #1	1988
ST-260	KAFB-EB-260-062294	011A	P277525	27090	Equipment Blank #1	1980
ST-260	KAFB-EB-260-062294	011A	P277525	27090	Equipment Blank #1	1989
ST-260	KAFB-EB-260-062294	011A	P277525	27999	Equipment Blank #1	1981
ST-260	KAFB-EB-260-062294	011A	P277525	27999	Equipment Blank #1	1990
ST-260	KAFB-TB-01-062294	011A	0363790010TB	940701J	Trip Blank #1	1983
ST-260	KAFB-TB-01-062294	011A	0363790010TB	940701J	Trip Blank #1	1992
ST-261	KAFB-261-01-0305	011A			Normal Environmental Sample #1	1999
ST-261	KAFB-261-01-0305	011A	0363790016SA	036379	Normal Environmental Sample #1	1996
ST-261	KAFB-261-01-0305	011A	0363790016SA	940702J	Normal Environmental Sample #1	2001
ST-261	KAFB-261-01-0305	011A	P277530	26998	Normal Environmental Sample #1	2002
ST-261	KAFB-261-01-0305	011A	P277530	26998	Normal Environmental Sample #1	2003
ST-261	KAFB-261-01-0305	011A	P277530	27012	Normal Environmental Sample #1	2000
ST-261	KAFB-261-01-0305	011A	P277530	27026	Normal Environmental Sample #1	2004
ST-261	KAFB-261-01-0305	011A	P277530	27176	Normal Environmental Sample #1	1998
ST-261	KAFB-261-01-0305	011A	P277530	27416	Normal Environmental Sample #1	1997
ST-261	KAFB-261-01-0810	011A			Normal Environmental Sample #1	1999
ST-261	KAFB-261-01-0810	011A	0363790017SA	036379	Normal Environmental Sample #1	1996
ST-261	KAFB-261-01-0810	011A	0363790017SA	940702J	Normal Environmental Sample #1	2001
ST-261	KAFB-261-01-0810	011A	P277531	26998	Normal Environmental Sample #1	2002
ST-261	KAFB-261-01-0810	011A	P277531	26998	Normal Environmental Sample #1	2003
ST-261	KAFB-261-01-0810	011A	P277531	27012	Normal Environmental Sample #1	2000
ST-261	KAFB-261-01-0810	011A	P277531	27026	Normal Environmental Sample #1	2004
ST-261	KAFB-261-01-0810	011A	P277531	27176	Normal Environmental Sample #1	1998
ST-261	KAFB-261-01-0810	011A	P277531	27416	Normal Environmental Sample #1	1997
ST-261	KAFB-261-02-0305	011A			Normal Environmental Sample #1	2008
ST-261	KAFB-261-02-0305	011A	0363790018SA	036379	Normal Environmental Sample #1	2005
ST-261	KAFB-261-02-0305	011A	0363790018SA	940702J	Normal Environmental Sample #1	2010
ST-261	KAFB-261-02-0305	011A	P277532	26998	Normal Environmental Sample #1	2011
ST-261	KAFB-261-02-0305	011A	P277532	26998	Normal Environmental Sample #1	2012
ST-261	KAFB-261-02-0305	011A	P277532	27012	Normal Environmental Sample #1	2009
ST-261	KAFB-261-02-0305	011A	P277532	27026	Normal Environmental Sample #1	2013
ST-261	KAFB-261-02-0305	011A	P277532	27176	Normal Environmental Sample #1	2007
ST-261	KAFB-261-02-0305	011A	P277532	27416	Normal Environmental Sample #1	2006
ST-261	KAFB-261-02-0810	011A			Normal Environmental Sample #1	2008
ST-261	KAFB-261-02-0810	011A	0363790019SA	036379	Normal Environmental Sample #1	2005
ST-261	KAFB-261-02-0810	011A	0363790019SA	940702J	Normal Environmental Sample #1	2010
ST-261	KAFB-261-02-0810	011A	P277533	26998	Normal Environmental Sample #1	2011
ST-261	KAFB-261-02-0810	011A	P277533	26998	Normal Environmental Sample #1	2012
ST-261	KAFB-261-02-0810	011A	P277533	27012	Normal Environmental Sample #1	2009
ST-261	KAFB-261-02-0810	011A	P277533	27026	Normal Environmental Sample #1	2013
ST-261	KAFB-261-02-0810	011A	P277533	27176	Normal Environmental Sample #1	2007
ST-261	KAFB-261-02-0810	011A	P277533	27416	Normal Environmental Sample #1	2006
ST-261	KAFB-EB-260-062294	011A	0363790011EB	940701J	Equipment Blank #1	2001
ST-261	KAFB-EB-260-062294	011A	0363790011EB	940701J	Equipment Blank #1	2010
ST-261	KAFB-EB-260-062294	011A	P277525	26991	Equipment Blank #1	2002
ST-261	KAFB-EB-260-062294	011A	P277525	26991	Equipment Blank #1	2003
ST-261	KAFB-EB-260-062294	011A	P277525	26991	Equipment Blank #1	2011

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Site	Field ID	Fld Lot	Lab ID	Lab Lot	Sample Description	Page
ST-261	KAFB-EB-260-062294	011A	P277525	26991	Equipment Blank #1	2012
ST-261	KAFB-EB-260-062294	011A	P277525	26992	Equipment Blank #1	2000
ST-261	KAFB-EB-260-062294	011A	P277525	26992	Equipment Blank #1	2009
ST-261	KAFB-EB-260-062294	011A	P277525	27082	Equipment Blank #1	1997
ST-261	KAFB-EB-260-062294	011A	P277525	27082	Equipment Blank #1	2006
ST-261	KAFB-EB-260-062294	011A	P277525	27090	Equipment Blank #1	1998
ST-261	KAFB-EB-260-062294	011A	P277525	27090	Equipment Blank #1	2007
ST-261	KAFB-EB-260-062294	011A	P277525	27999	Equipment Blank #1	1999
ST-261	KAFB-EB-260-062294	011A	P277525	27999	Equipment Blank #1	2008
ST-261	KAFB-TB-01-062294	011A	0363790010TB	940701J	Trip Blank #1	2001
ST-261	KAFB-TB-01-062294	011A	0363790010TB	940701J	Trip Blank #1	2010
ST-262	KAFB-262-01-0406	011A	0358000003SA	035800	Normal Environmental Sample #1	2014
ST-262	KAFB-262-01-0406	011A	0358000003SA	94060833A	Normal Environmental Sample #1	2020
ST-262	KAFB-262-01-0406	011A	0358000003SA	940608N	Normal Environmental Sample #1	2022
ST-262	KAFB-262-01-0406	011A	0358000003SA	9406096K	Normal Environmental Sample #1	2015
ST-262	KAFB-262-01-0406	011A	P274585	26461	Normal Environmental Sample #1	2021
ST-262	KAFB-262-01-0406	011A	P274585	26469	Normal Environmental Sample #1	2025
ST-262	KAFB-262-01-0406	011A	P274585	26490	Normal Environmental Sample #1	2019
ST-262	KAFB-262-01-0406	011A	P274585	26506	Normal Environmental Sample #1	2023
ST-262	KAFB-262-01-0406	011A	P274585	26506	Normal Environmental Sample #1	2024
ST-262	KAFB-262-01-0406	011A	P274585	26528	Normal Environmental Sample #1	2016
ST-262	KAFB-262-01-0406	011A	P274585	26543	Normal Environmental Sample #1	2018
ST-262	KAFB-262-01-0406	011A	P274585	26597	Normal Environmental Sample #1	2017
ST-262	KAFB-262-01-0911	011A	0358000004SA	035800	Normal Environmental Sample #1	2014
ST-262	KAFB-262-01-0911	011A	0358000004SA	94060833A	Normal Environmental Sample #1	2020
ST-262	KAFB-262-01-0911	011A	0358000004SA	940608N	Normal Environmental Sample #1	2022
ST-262	KAFB-262-01-0911	011A	0358000004SA	9406096K	Normal Environmental Sample #1	2015
ST-262	KAFB-262-01-0911	011A	P274586	26461	Normal Environmental Sample #1	2021
ST-262	KAFB-262-01-0911	011A	P274586	26469	Normal Environmental Sample #1	2025
ST-262	KAFB-262-01-0911	011A	P274586	26490	Normal Environmental Sample #1	2019
ST-262	KAFB-262-01-0911	011A	P274586	26506	Normal Environmental Sample #1	2023
ST-262	KAFB-262-01-0911	011A	P274586	26506	Normal Environmental Sample #1	2024
ST-262	KAFB-262-01-0911	011A	P274586	26528	Normal Environmental Sample #1	2016
ST-262	KAFB-262-01-0911	011A	P274586	26543	Normal Environmental Sample #1	2018
ST-262	KAFB-262-01-0911	011A	P274586	26597	Normal Environmental Sample #1	2017
ST-262	KAFB-262-02-0406	011A	0358000005SA	035800	Normal Environmental Sample #1	2026
ST-262	KAFB-262-02-0406	011A	0358000005SA	94060833A	Normal Environmental Sample #1	2032
ST-262	KAFB-262-02-0406	011A	0358000005SA	940608J	Normal Environmental Sample #1	2034
ST-262	KAFB-262-02-0406	011A	0358000005SA	9406096K	Normal Environmental Sample #1	2027
ST-262	KAFB-262-02-0406	011A	P274587	26461	Normal Environmental Sample #1	2033
ST-262	KAFB-262-02-0406	011A	P274587	26469	Normal Environmental Sample #1	2037
ST-262	KAFB-262-02-0406	011A	P274587	26490	Normal Environmental Sample #1	2031
ST-262	KAFB-262-02-0406	011A	P274587	26506	Normal Environmental Sample #1	2035
ST-262	KAFB-262-02-0406	011A	P274587	26506	Normal Environmental Sample #1	2036
ST-262	KAFB-262-02-0406	011A	P274587	26528	Normal Environmental Sample #1	2028
ST-262	KAFB-262-02-0406	011A	P274587	26543	Normal Environmental Sample #1	2030
ST-262	KAFB-262-02-0406	011A	P274587	26597	Normal Environmental Sample #1	2029
ST-262	KAFB-262-02-0911	011A	0358000006SA	035800	Normal Environmental Sample #1	2026
ST-262	KAFB-262-02-0911	011A	0358000006SA	94060833A	Normal Environmental Sample #1	2032
ST-262	KAFB-262-02-0911	011A	0358000006SA	940608J	Normal Environmental Sample #1	2034
ST-262	KAFB-262-02-0911	011A	0358000006SA	9406096K	Normal Environmental Sample #1	2027
ST-262	KAFB-262-02-0911	011A	P274588	26461	Normal Environmental Sample #1	2033

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Site	Field ID	Fld Lot	Lab ID	Lab Lot	Sample Description	Page
ST-262	KAFB-262-02-0911	011A	P274588	26469	Normal Environmental Sample #1	2037
ST-262	KAFB-262-02-0911	011A	P274588	26490	Normal Environmental Sample #1	2031
ST-262	KAFB-262-02-0911	011A	P274588	26506	Normal Environmental Sample #1	2035
ST-262	KAFB-262-02-0911	011A	P274588	26506	Normal Environmental Sample #1	2036
ST-262	KAFB-262-02-0911	011A	P274588	26528	Normal Environmental Sample #1	2028
ST-262	KAFB-262-02-0911	011A	P274588	26543	Normal Environmental Sample #1	2030
ST-262	KAFB-262-02-0911	011A	P274588	26598	Normal Environmental Sample #1	2029
ST-262	KAFB-262-03-0406	011A	0358000007SA	035800	Normal Environmental Sample #1	2038
ST-262	KAFB-262-03-0406	011A	0358000007SA	94060833A	Normal Environmental Sample #1	2044
ST-262	KAFB-262-03-0406	011A	0358000007SA	940608J	Normal Environmental Sample #1	2046
ST-262	KAFB-262-03-0406	011A	0358000007SA	9406096K	Normal Environmental Sample #1	2039
ST-262	KAFB-262-03-0406	011A	P274589	26461	Normal Environmental Sample #1	2045
ST-262	KAFB-262-03-0406	011A	P274589	26469	Normal Environmental Sample #1	2049
ST-262	KAFB-262-03-0406	011A	P274589	26490	Normal Environmental Sample #1	2043
ST-262	KAFB-262-03-0406	011A	P274589	26506	Normal Environmental Sample #1	2047
ST-262	KAFB-262-03-0406	011A	P274589	26506	Normal Environmental Sample #1	2048
ST-262	KAFB-262-03-0406	011A	P274589	26528	Normal Environmental Sample #1	2040
ST-262	KAFB-262-03-0406	011A	P274589	26543	Normal Environmental Sample #1	2042
ST-262	KAFB-262-03-0406	011A	P274589	26598	Normal Environmental Sample #1	2041
ST-262	KAFB-262-03-0911	011A	0358000008SA	035800	Normal Environmental Sample #1	2038
ST-262	KAFB-262-03-0911	011A	0358000008SA	94060833A	Normal Environmental Sample #1	2044
ST-262	KAFB-262-03-0911	011A	0358000008SA	940608J	Normal Environmental Sample #1	2046
ST-262	KAFB-262-03-0911	011A	0358000008SA	9406096K	Normal Environmental Sample #1	2039
ST-262	KAFB-262-03-0911	011A	P274590	26461	Normal Environmental Sample #1	2045
ST-262	KAFB-262-03-0911	011A	P274590	26469	Normal Environmental Sample #1	2049
ST-262	KAFB-262-03-0911	011A	P274590	26490	Normal Environmental Sample #1	2043
ST-262	KAFB-262-03-0911	011A	P274590	26506	Normal Environmental Sample #1	2047
ST-262	KAFB-262-03-0911	011A	P274590	26506	Normal Environmental Sample #1	2048
ST-262	KAFB-262-03-0911	011A	P274590	26528	Normal Environmental Sample #1	2040
ST-262	KAFB-262-03-0911	011A	P274590	26543	Normal Environmental Sample #1	2042
ST-262	KAFB-262-03-0911	011A	P274590	26598	Normal Environmental Sample #1	2041
ST-262	KAFB-262-04-0409	011A	0358000009SA	035800	Normal Environmental Sample #1	2050
ST-262	KAFB-262-04-0409	011A	0358000009SA	94060833A	Normal Environmental Sample #1	2056
ST-262	KAFB-262-04-0409	011A	0358000009SA	940608J	Normal Environmental Sample #1	2058
ST-262	KAFB-262-04-0409	011A	0358000009SA	9406096K	Normal Environmental Sample #1	2051
ST-262	KAFB-262-04-0409	011A	P274591	26461	Normal Environmental Sample #1	2057
ST-262	KAFB-262-04-0409	011A	P274591	26469	Normal Environmental Sample #1	2061
ST-262	KAFB-262-04-0409	011A	P274591	26490	Normal Environmental Sample #1	2055
ST-262	KAFB-262-04-0409	011A	P274591	26506	Normal Environmental Sample #1	2059
ST-262	KAFB-262-04-0409	011A	P274591	26506	Normal Environmental Sample #1	2060
ST-262	KAFB-262-04-0409	011A	P274591	26528	Normal Environmental Sample #1	2052
ST-262	KAFB-262-04-0409	011A	P274591	26543	Normal Environmental Sample #1	2054
ST-262	KAFB-262-04-0409	011A	P274591	26598	Normal Environmental Sample #1	2053
ST-262	KAFB-262-04-0912	011A	0358000011SA	035800	Normal Environmental Sample #1	2050
ST-262	KAFB-262-04-0912	011A	0358000011SA	94060833A	Normal Environmental Sample #1	2056
ST-262	KAFB-262-04-0912	011A	0358000011SA	940608J	Normal Environmental Sample #1	2058
ST-262	KAFB-262-04-0912	011A	0358000011SA	9406096K	Normal Environmental Sample #1	2051
ST-262	KAFB-262-04-0912	011A	P274593	26461	Normal Environmental Sample #1	2057
ST-262	KAFB-262-04-0912	011A	P274593	26469	Normal Environmental Sample #1	2061
ST-262	KAFB-262-04-0912	011A	P274593	26490	Normal Environmental Sample #1	2055
ST-262	KAFB-262-04-0912	011A	P274593	26506	Normal Environmental Sample #1	2059
ST-262	KAFB-262-04-0912	011A	P274593	26506	Normal Environmental Sample #1	2060

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Site	Field ID	Fld Lot	Lab ID	Lab Lot	Sample Description	Page
ST-262	KAFB-262-04-0912	011A	P274593	26528	Normal Environmental Sample #1	2052
ST-262	KAFB-262-04-0912	011A	P274593	26543	Normal Environmental Sample #1	2054
ST-262	KAFB-262-04-0912	011A	P274593	26598	Normal Environmental Sample #1	2053
ST-262	KAFB-262-05-0406	011A	0358000012SA	035800	Normal Environmental Sample #1	2062
ST-262	KAFB-262-05-0406	011A	0358000012SA	94060833A	Normal Environmental Sample #1	2068
ST-262	KAFB-262-05-0406	011A	0358000012SA	940608J	Normal Environmental Sample #1	2070
ST-262	KAFB-262-05-0406	011A	0358000012SA	9406106K	Normal Environmental Sample #1	2063
ST-262	KAFB-262-05-0406	011A	P274594	26461	Normal Environmental Sample #1	2069
ST-262	KAFB-262-05-0406	011A	P274594	26469	Normal Environmental Sample #1	2073
ST-262	KAFB-262-05-0406	011A	P274594	26490	Normal Environmental Sample #1	2067
ST-262	KAFB-262-05-0406	011A	P274594	26506	Normal Environmental Sample #1	2071
ST-262	KAFB-262-05-0406	011A	P274594	26506	Normal Environmental Sample #1	2072
ST-262	KAFB-262-05-0406	011A	P274594	26528	Normal Environmental Sample #1	2064
ST-262	KAFB-262-05-0406	011A	P274594	26543	Normal Environmental Sample #1	2066
ST-262	KAFB-262-05-0406	011A	P274594	26598	Normal Environmental Sample #1	2065
ST-262	KAFB-262-05-0911	011A	0358000013MS	94060833A	Normal Environmental Sample #1	2068
ST-262	KAFB-262-05-0911	011A	0358000013MS	940608J	Normal Environmental Sample #1	2070
ST-262	KAFB-262-05-0911	011A	0358000013MS	9406106K	Normal Environmental Sample #1	2063
ST-262	KAFB-262-05-0911	011A	0358000013SA	035800	Normal Environmental Sample #1	2062
ST-262	KAFB-262-05-0911	011A	P274595	26461	Normal Environmental Sample #1	2069
ST-262	KAFB-262-05-0911	011A	P274595	26469	Normal Environmental Sample #1	2073
ST-262	KAFB-262-05-0911	011A	P274595	26490	Normal Environmental Sample #1	2067
ST-262	KAFB-262-05-0911	011A	P274595	26506	Normal Environmental Sample #1	2071
ST-262	KAFB-262-05-0911	011A	P274595	26506	Normal Environmental Sample #1	2072
ST-262	KAFB-262-05-0911	011A	P274595	26528	Normal Environmental Sample #1	2064
ST-262	KAFB-262-05-0911	011A	P274595	26543	Normal Environmental Sample #1	2066
ST-262	KAFB-262-05-0911	011A	P274595	26598	Normal Environmental Sample #1	2065
ST-262	KAFB-262-99-0409	011A	0358000009SA	035800	Field Replicate #1	2050
ST-262	KAFB-262-99-0409	011A	0358000009SA	94060833A	Field Replicate #1	2056
ST-262	KAFB-262-99-0409	011A	0358000009SA	940608J	Field Replicate #1	2058
ST-262	KAFB-262-99-0409	011A	0358000009SA	9406096K	Field Replicate #1	2051
ST-262	KAFB-262-99-0409	011A	P274591	26461	Field Replicate #1	2057
ST-262	KAFB-262-99-0409	011A	P274591	26469	Field Replicate #1	2061
ST-262	KAFB-262-99-0409	011A	P274591	26490	Field Replicate #1	2055
ST-262	KAFB-262-99-0409	011A	P274591	26506	Field Replicate #1	2059
ST-262	KAFB-262-99-0409	011A	P274591	26506	Field Replicate #1	2060
ST-262	KAFB-262-99-0409	011A	P274591	26528	Field Replicate #1	2052
ST-262	KAFB-262-99-0409	011A	P274591	26543	Field Replicate #1	2054
ST-262	KAFB-262-99-0409	011A	P274591	26598	Field Replicate #1	2053
ST-262	KAFB-EB-262-053194	011A	0358000002EB	940608N	Equipment Blank #1	2022
ST-262	KAFB-EB-262-053194	011A	0358000002EB	940608N	Equipment Blank #1	2034
ST-262	KAFB-EB-262-053194	011A	0358000002EB	940608N	Equipment Blank #1	2046
ST-262	KAFB-EB-262-053194	011A	0358000002EB	940608N	Equipment Blank #1	2058
ST-262	KAFB-EB-262-053194	011A	0358000002EB	940608N	Equipment Blank #1	2070
ST-262	KAFB-EB-262-053194	011A	0358000002EB	940615B	Equipment Blank #1	2015
ST-262	KAFB-EB-262-053194	011A	0358000002EB	940615B	Equipment Blank #1	2022
ST-262	KAFB-EB-262-053194	011A	0358000002EB	940615B	Equipment Blank #1	2027
ST-262	KAFB-EB-262-053194	011A	0358000002EB	940615B	Equipment Blank #1	2034
ST-262	KAFB-EB-262-053194	011A	0358000002EB	940615B	Equipment Blank #1	2039
ST-262	KAFB-EB-262-053194	011A	0358000002EB	940615B	Equipment Blank #1	2046
ST-262	KAFB-EB-262-053194	011A	0358000002EB	940615B	Equipment Blank #1	2051
ST-262	KAFB-EB-262-053194	011A	0358000002EB	940615B	Equipment Blank #1	2058

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Site	Field ID	Fld Lot	Lab ID	Lab Lot	Sample Description	Page
ST-262	KAFB-EB-262-053194	011A	0358000002EB	940615B	Equipment Blank #1	2063
ST-262	KAFB-EB-262-053194	011A	0358000002EB	940615B	Equipment Blank #1	2070
ST-262	KAFB-EB-262-053194	011A	P274584	26452	Equipment Blank #1	2018
ST-262	KAFB-EB-262-053194	011A	P274584	26452	Equipment Blank #1	2030
ST-262	KAFB-EB-262-053194	011A	P274584	26452	Equipment Blank #1	2042
ST-262	KAFB-EB-262-053194	011A	P274584	26452	Equipment Blank #1	2054
ST-262	KAFB-EB-262-053194	011A	P274584	26452	Equipment Blank #1	2066
ST-262	KAFB-EB-262-053194	011A	P274584	26453	Equipment Blank #1	2023
ST-262	KAFB-EB-262-053194	011A	P274584	26453	Equipment Blank #1	2024
ST-262	KAFB-EB-262-053194	011A	P274584	26453	Equipment Blank #1	2035
ST-262	KAFB-EB-262-053194	011A	P274584	26453	Equipment Blank #1	2036
ST-262	KAFB-EB-262-053194	011A	P274584	26453	Equipment Blank #1	2047
ST-262	KAFB-EB-262-053194	011A	P274584	26453	Equipment Blank #1	2048
ST-262	KAFB-EB-262-053194	011A	P274584	26453	Equipment Blank #1	2059
ST-262	KAFB-EB-262-053194	011A	P274584	26453	Equipment Blank #1	2060
ST-262	KAFB-EB-262-053194	011A	P274584	26453	Equipment Blank #1	2071
ST-262	KAFB-EB-262-053194	011A	P274584	26453	Equipment Blank #1	2072
ST-262	KAFB-EB-262-053194	011A	P274584	26454	Equipment Blank #1	2019
ST-262	KAFB-EB-262-053194	011A	P274584	26454	Equipment Blank #1	2031
ST-262	KAFB-EB-262-053194	011A	P274584	26454	Equipment Blank #1	2043
ST-262	KAFB-EB-262-053194	011A	P274584	26454	Equipment Blank #1	2055
ST-262	KAFB-EB-262-053194	011A	P274584	26454	Equipment Blank #1	2067
ST-262	KAFB-EB-262-053194	011A	P274584	26460	Equipment Blank #1	2021
ST-262	KAFB-EB-262-053194	011A	P274584	26460	Equipment Blank #1	2033
ST-262	KAFB-EB-262-053194	011A	P274584	26460	Equipment Blank #1	2045
ST-262	KAFB-EB-262-053194	011A	P274584	26460	Equipment Blank #1	2057
ST-262	KAFB-EB-262-053194	011A	P274584	26460	Equipment Blank #1	2069
ST-262	KAFB-EB-262-053194	011A	P274584	26517	Equipment Blank #1	2016
ST-262	KAFB-EB-262-053194	011A	P274584	26517	Equipment Blank #1	2028
ST-262	KAFB-EB-262-053194	011A	P274584	26517	Equipment Blank #1	2040
ST-262	KAFB-EB-262-053194	011A	P274584	26517	Equipment Blank #1	2052
ST-262	KAFB-EB-262-053194	011A	P274584	26517	Equipment Blank #1	2064
ST-262	KAFB-EB-262-053194	011A	P274584	26562	Equipment Blank #1	2017
ST-262	KAFB-EB-262-053194	011A	P274584	26562	Equipment Blank #1	2029
ST-262	KAFB-EB-262-053194	011A	P274584	26562	Equipment Blank #1	2041
ST-262	KAFB-EB-262-053194	011A	P274584	26562	Equipment Blank #1	2053
ST-262	KAFB-EB-262-053194	011A	P274584	26562	Equipment Blank #1	2065
ST-262	KAFB-TB-01-053194	011A			Trip Blank #1	2015
ST-262	KAFB-TB-01-053194	011A			Trip Blank #1	2022
ST-262	KAFB-TB-01-053194	011A			Trip Blank #1	2027
ST-262	KAFB-TB-01-053194	011A			Trip Blank #1	2034
ST-262	KAFB-TB-01-053194	011A			Trip Blank #1	2039
ST-262	KAFB-TB-01-053194	011A			Trip Blank #1	2046
ST-262	KAFB-TB-01-053194	011A			Trip Blank #1	2051
ST-262	KAFB-TB-01-053194	011A			Trip Blank #1	2058
ST-262	KAFB-TB-01-053194	011A			Trip Blank #1	2063
ST-262	KAFB-TB-01-053194	011A			Trip Blank #1	2070
ST-262	KAFB-TB-01-053194	011A	0358000001TB	940608N	Trip Blank #1	2022
ST-262	KAFB-TB-01-053194	011A	0358000001TB	940608N	Trip Blank #1	2034
ST-262	KAFB-TB-01-053194	011A	0358000001TB	940608N	Trip Blank #1	2046
ST-262	KAFB-TB-01-053194	011A	0358000001TB	940608N	Trip Blank #1	2058
ST-262	KAFB-TB-01-053194	011A	0358000001TB	940608N	Trip Blank #1	2070

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Site	Field ID	Fld Lot	Lab ID	Lab Lot	Sample Description	Page
ST-263	KAFB-263-01-0305	011A	0352910003SA	035291	Normal Environmental Sample #1	2074
ST-263	KAFB-263-01-0305	011A	0352910003SA	9405096K	Normal Environmental Sample #1	2075
ST-263	KAFB-263-01-0305	011A	0352910003SA	940518J	Normal Environmental Sample #1	2079
ST-263	KAFB-263-01-0305	011A	P272183	25874	Normal Environmental Sample #1	2076
ST-263	KAFB-263-01-0305	011A	P272183	25922	Normal Environmental Sample #1	2082
ST-263	KAFB-263-01-0305	011A	P272183	25976	Normal Environmental Sample #1	2080
ST-263	KAFB-263-01-0305	011A	P272183	25976	Normal Environmental Sample #1	2081
ST-263	KAFB-263-01-0305	011A	P272183	26015	Normal Environmental Sample #1	2078
ST-263	KAFB-263-01-0305	011A	P272183	26083	Normal Environmental Sample #1	2077
ST-263	KAFB-263-01-0810	011A	0352910004SA	035291	Normal Environmental Sample #1	2074
ST-263	KAFB-263-01-0810	011A	0352910004SA	9405096K	Normal Environmental Sample #1	2075
ST-263	KAFB-263-01-0810	011A	0352910004SA	940518J	Normal Environmental Sample #1	2079
ST-263	KAFB-263-01-0810	011A	P272184	25874	Normal Environmental Sample #1	2076
ST-263	KAFB-263-01-0810	011A	P272184	25922	Normal Environmental Sample #1	2082
ST-263	KAFB-263-01-0810	011A	P272184	25976	Normal Environmental Sample #1	2080
ST-263	KAFB-263-01-0810	011A	P272184	25976	Normal Environmental Sample #1	2081
ST-263	KAFB-263-01-0810	011A	P272184	26015	Normal Environmental Sample #1	2078
ST-263	KAFB-263-01-0810	011A	P272184	26083	Normal Environmental Sample #1	2077
ST-263	KAFB-263-02-0305	011A	0352910005SA	035291	Normal Environmental Sample #1	2083
ST-263	KAFB-263-02-0305	011A	0352910005SA	9405096K	Normal Environmental Sample #1	2084
ST-263	KAFB-263-02-0305	011A	0352910005SA	940518J	Normal Environmental Sample #1	2088
ST-263	KAFB-263-02-0305	011A	P272185	25874	Normal Environmental Sample #1	2085
ST-263	KAFB-263-02-0305	011A	P272185	25922	Normal Environmental Sample #1	2091
ST-263	KAFB-263-02-0305	011A	P272185	25976	Normal Environmental Sample #1	2089
ST-263	KAFB-263-02-0305	011A	P272185	25976	Normal Environmental Sample #1	2090
ST-263	KAFB-263-02-0305	011A	P272185	26015	Normal Environmental Sample #1	2087
ST-263	KAFB-263-02-0305	011A	P272185	26083	Normal Environmental Sample #1	2086
ST-263	KAFB-263-02-0811	011A	0352910006SA	035291	Normal Environmental Sample #1	2083
ST-263	KAFB-263-02-0811	011A	0352910006SA	9405096K	Normal Environmental Sample #1	2084
ST-263	KAFB-263-02-0811	011A	0352910006SA	940518J	Normal Environmental Sample #1	2088
ST-263	KAFB-263-02-0811	011A	P272186	25874	Normal Environmental Sample #1	2085
ST-263	KAFB-263-02-0811	011A	P272186	25922	Normal Environmental Sample #1	2091
ST-263	KAFB-263-02-0811	011A	P272186	25976	Normal Environmental Sample #1	2089
ST-263	KAFB-263-02-0811	011A	P272186	25976	Normal Environmental Sample #1	2090
ST-263	KAFB-263-02-0811	011A	P272186	26015	Normal Environmental Sample #1	2087
ST-263	KAFB-263-02-0811	011A	P272186	26083	Normal Environmental Sample #1	2086
ST-263	KAFB-263-03-0305	011A	0352910007SA	035291	Normal Environmental Sample #1	2092
ST-263	KAFB-263-03-0305	011A	0352910007SA	9405096K	Normal Environmental Sample #1	2093
ST-263	KAFB-263-03-0305	011A	0352910007SA	940518J	Normal Environmental Sample #1	2097
ST-263	KAFB-263-03-0305	011A	P272187	25874	Normal Environmental Sample #1	2094
ST-263	KAFB-263-03-0305	011A	P272187	25922	Normal Environmental Sample #1	2100
ST-263	KAFB-263-03-0305	011A	P272187	25976	Normal Environmental Sample #1	2098
ST-263	KAFB-263-03-0305	011A	P272187	25976	Normal Environmental Sample #1	2099
ST-263	KAFB-263-03-0305	011A	P272187	26015	Normal Environmental Sample #1	2096
ST-263	KAFB-263-03-0305	011A	P272187	26083	Normal Environmental Sample #1	2095
ST-263	KAFB-263-03-0812	011A	0352910008SA	035291	Normal Environmental Sample #1	2092
ST-263	KAFB-263-03-0812	011A	0352910008SA	9405096K	Normal Environmental Sample #1	2093
ST-263	KAFB-263-03-0812	011A	0352910008SA	940518J	Normal Environmental Sample #1	2097
ST-263	KAFB-263-03-0812	011A	P272188	25874	Normal Environmental Sample #1	2094
ST-263	KAFB-263-03-0812	011A	P272188	25922	Normal Environmental Sample #1	2100
ST-263	KAFB-263-03-0812	011A	P272188	25976	Normal Environmental Sample #1	2098
ST-263	KAFB-263-03-0812	011A	P272188	25976	Normal Environmental Sample #1	2099

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Site	Field ID	Fld Lot	Lab ID	Lab Lot	Sample Description	Page
ST-263	KAFB-263-03-0812	011A	P272188	26015	Normal Environmental Sample #1	2096
ST-263	KAFB-263-03-0812	011A	P272188	26083	Normal Environmental Sample #1	2095
ST-263	KAFB-263-04-0305	011A	0352910009SA	035291	Normal Environmental Sample #1	2101
ST-263	KAFB-263-04-0305	011A	0352910009SA	9405096K	Normal Environmental Sample #1	2102
ST-263	KAFB-263-04-0305	011A	0352910009SA	940518J	Normal Environmental Sample #1	2106
ST-263	KAFB-263-04-0305	011A	P272189	25874	Normal Environmental Sample #1	2103
ST-263	KAFB-263-04-0305	011A	P272189	25922	Normal Environmental Sample #1	2109
ST-263	KAFB-263-04-0305	011A	P272189	25976	Normal Environmental Sample #1	2107
ST-263	KAFB-263-04-0305	011A	P272189	25976	Normal Environmental Sample #1	2108
ST-263	KAFB-263-04-0305	011A	P272189	26015	Normal Environmental Sample #1	2105
ST-263	KAFB-263-04-0305	011A	P272189	26083	Normal Environmental Sample #1	2104
ST-263	KAFB-263-04-0810	011A	0352910010SA	035291	Normal Environmental Sample #1	2101
ST-263	KAFB-263-04-0810	011A	0352910010SA	9405116K	Normal Environmental Sample #1	2102
ST-263	KAFB-263-04-0810	011A	0352910010SA	940518J	Normal Environmental Sample #1	2106
ST-263	KAFB-263-04-0810	011A	P272190	25874	Normal Environmental Sample #1	2103
ST-263	KAFB-263-04-0810	011A	P272190	25922	Normal Environmental Sample #1	2109
ST-263	KAFB-263-04-0810	011A	P272190	25976	Normal Environmental Sample #1	2107
ST-263	KAFB-263-04-0810	011A	P272190	25976	Normal Environmental Sample #1	2108
ST-263	KAFB-263-04-0810	011A	P272190	26015	Normal Environmental Sample #1	2105
ST-263	KAFB-263-04-0810	011A	P272190	26083	Normal Environmental Sample #1	2104
ST-263	KAFB-263-05-0306	011A	0352910011MS	9405096K	Normal Environmental Sample #1	2111
ST-263	KAFB-263-05-0306	011A	0352910011MS	940518J	Normal Environmental Sample #1	2115
ST-263	KAFB-263-05-0306	011A	0352910011SA	035291	Normal Environmental Sample #1	2110
ST-263	KAFB-263-05-0306	011A	P272191	25918	Normal Environmental Sample #1	2112
ST-263	KAFB-263-05-0306	011A	P272191	25922	Normal Environmental Sample #1	2118
ST-263	KAFB-263-05-0306	011A	P272191	25976	Normal Environmental Sample #1	2116
ST-263	KAFB-263-05-0306	011A	P272191	25976	Normal Environmental Sample #1	2117
ST-263	KAFB-263-05-0306	011A	P272191	26015	Normal Environmental Sample #1	2114
ST-263	KAFB-263-05-0306	011A	P272191	26083	Normal Environmental Sample #1	2113
ST-263	KAFB-263-05-0810	011A	0352910012SA	035291	Normal Environmental Sample #1	2110
ST-263	KAFB-263-05-0810	011A	0352910012SA	9405096K	Normal Environmental Sample #1	2111
ST-263	KAFB-263-05-0810	011A	0352910012SA	940518J	Normal Environmental Sample #1	2115
ST-263	KAFB-263-05-0810	011A	P272192	25918	Normal Environmental Sample #1	2112
ST-263	KAFB-263-05-0810	011A	P272192	25922	Normal Environmental Sample #1	2118
ST-263	KAFB-263-05-0810	011A	P272192	25976	Normal Environmental Sample #1	2116
ST-263	KAFB-263-05-0810	011A	P272192	25976	Normal Environmental Sample #1	2117
ST-263	KAFB-263-05-0810	011A	P272192	26015	Normal Environmental Sample #1	2114
ST-263	KAFB-263-05-0810	011A	P272192	26083	Normal Environmental Sample #1	2113
ST-263	KAFB-263-06-0305	010A	0353080003SA	035308	Normal Environmental Sample #1	2119
ST-263	KAFB-263-06-0305	010A	0353080003SA	9405116K	Normal Environmental Sample #1	2120
ST-263	KAFB-263-06-0305	010A	0353080003SA	940522J	Normal Environmental Sample #1	2124
ST-263	KAFB-263-06-0305	010A	P272172	25874	Normal Environmental Sample #1	2121
ST-263	KAFB-263-06-0305	010A	P272172	25922	Normal Environmental Sample #1	2127
ST-263	KAFB-263-06-0305	010A	P272172	25976	Normal Environmental Sample #1	2125
ST-263	KAFB-263-06-0305	010A	P272172	25976	Normal Environmental Sample #1	2126
ST-263	KAFB-263-06-0305	010A	P272172	26015	Normal Environmental Sample #1	2123
ST-263	KAFB-263-06-0305	010A	P272172	26083	Normal Environmental Sample #1	2122
ST-263	KAFB-263-06-0810	010A	0353080004SA	035308	Normal Environmental Sample #1	2119
ST-263	KAFB-263-06-0810	010A	0353080004SA	9405116K	Normal Environmental Sample #1	2120
ST-263	KAFB-263-06-0810	010A	0353080004SA	940519J	Normal Environmental Sample #1	2124
ST-263	KAFB-263-06-0810	010A	P272173	25874	Normal Environmental Sample #1	2121
ST-263	KAFB-263-06-0810	010A	P272173	25922	Normal Environmental Sample #1	2127

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Site	Field ID	Fld Lot	Lab ID	Lab Lot	Sample Description	Page
ST-263	KAFB-263-06-0810	010A	P272173	25976	Normal Environmental Sample #1	2125
ST-263	KAFB-263-06-0810	010A	P272173	25976	Normal Environmental Sample #1	2126
ST-263	KAFB-263-06-0810	010A	P272173	26015	Normal Environmental Sample #1	2123
ST-263	KAFB-263-06-0810	010A	P272173	26083	Normal Environmental Sample #1	2122
ST-263	KAFB-263-07-0305	010A	0353080005SA	035308	Normal Environmental Sample #1	2128
ST-263	KAFB-263-07-0305	010A	0353080005SA	9405116K	Normal Environmental Sample #1	2129
ST-263	KAFB-263-07-0305	010A	0353080005SA	940519J	Normal Environmental Sample #1	2133
ST-263	KAFB-263-07-0305	010A	P272174	25874	Normal Environmental Sample #1	2130
ST-263	KAFB-263-07-0305	010A	P272174	25922	Normal Environmental Sample #1	2136
ST-263	KAFB-263-07-0305	010A	P272174	25976	Normal Environmental Sample #1	2134
ST-263	KAFB-263-07-0305	010A	P272174	25976	Normal Environmental Sample #1	2135
ST-263	KAFB-263-07-0305	010A	P272174	26015	Normal Environmental Sample #1	2132
ST-263	KAFB-263-07-0305	010A	P272174	26083	Normal Environmental Sample #1	2131
ST-263	KAFB-263-07-0810	010A	0353080006SA	035308	Normal Environmental Sample #1	2128
ST-263	KAFB-263-07-0810	010A	0353080006SA	9405116K	Normal Environmental Sample #1	2129
ST-263	KAFB-263-07-0810	010A	0353080006SA	940519J	Normal Environmental Sample #1	2133
ST-263	KAFB-263-07-0810	010A	P272175	25874	Normal Environmental Sample #1	2130
ST-263	KAFB-263-07-0810	010A	P272175	25922	Normal Environmental Sample #1	2136
ST-263	KAFB-263-07-0810	010A	P272175	25976	Normal Environmental Sample #1	2134
ST-263	KAFB-263-07-0810	010A	P272175	25976	Normal Environmental Sample #1	2135
ST-263	KAFB-263-07-0810	010A	P272175	26015	Normal Environmental Sample #1	2132
ST-263	KAFB-263-07-0810	010A	P272175	26083	Normal Environmental Sample #1	2131
ST-263	KAFB-263-99-0812	011A	0352910008SA	035291	Field Replicate #1	2092
ST-263	KAFB-263-99-0812	011A	0352910008SA	9405096K	Field Replicate #1	2093
ST-263	KAFB-263-99-0812	011A	0352910008SA	940518J	Field Replicate #1	2097
ST-263	KAFB-263-99-0812	011A	P272188	25874	Field Replicate #1	2094
ST-263	KAFB-263-99-0812	011A	P272188	25922	Field Replicate #1	2100
ST-263	KAFB-263-99-0812	011A	P272188	25976	Field Replicate #1	2098
ST-263	KAFB-263-99-0812	011A	P272188	25976	Field Replicate #1	2099
ST-263	KAFB-263-99-0812	011A	P272188	26015	Field Replicate #1	2096
ST-263	KAFB-263-99-0812	011A	P272188	26083	Field Replicate #1	2095
ST-263	KAFB-EB-263-050594	011A	0352910002EB	9405106K	Equipment Blank #1	2075
ST-263	KAFB-EB-263-050594	011A	0352910002EB	9405106K	Equipment Blank #1	2079
ST-263	KAFB-EB-263-050594	011A	0352910002EB	9405106K	Equipment Blank #1	2084
ST-263	KAFB-EB-263-050594	011A	0352910002EB	9405106K	Equipment Blank #1	2088
ST-263	KAFB-EB-263-050594	011A	0352910002EB	9405106K	Equipment Blank #1	2093
ST-263	KAFB-EB-263-050594	011A	0352910002EB	9405106K	Equipment Blank #1	2097
ST-263	KAFB-EB-263-050594	011A	0352910002EB	9405106K	Equipment Blank #1	2102
ST-263	KAFB-EB-263-050594	011A	0352910002EB	9405106K	Equipment Blank #1	2106
ST-263	KAFB-EB-263-050594	011A	0352910002EB	9405106K	Equipment Blank #1	2111
ST-263	KAFB-EB-263-050594	011A	0352910002EB	9405106K	Equipment Blank #1	2115
ST-263	KAFB-EB-263-050594	011A	0352910002EB	940516D	Equipment Blank #1	2079
ST-263	KAFB-EB-263-050594	011A	0352910002EB	940516D	Equipment Blank #1	2088
ST-263	KAFB-EB-263-050594	011A	0352910002EB	940516D	Equipment Blank #1	2097
ST-263	KAFB-EB-263-050594	011A	0352910002EB	940516D	Equipment Blank #1	2106
ST-263	KAFB-EB-263-050594	011A	0352910002EB	940516D	Equipment Blank #1	2115
ST-263	KAFB-EB-263-050594	011A	P272182	25929	Equipment Blank #1	2077
ST-263	KAFB-EB-263-050594	011A	P272182	25929	Equipment Blank #1	2086
ST-263	KAFB-EB-263-050594	011A	P272182	25929	Equipment Blank #1	2095
ST-263	KAFB-EB-263-050594	011A	P272182	25929	Equipment Blank #1	2104
ST-263	KAFB-EB-263-050594	011A	P272182	25929	Equipment Blank #1	2113
ST-263	KAFB-EB-263-050594	011A	P272182	25934	Equipment Blank #1	2080

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Site	Field ID	Fld Lot	Lab ID	Lab Lot	Sample Description	Page
ST-263	KAFB-EB-263-050594	011A	P272182	25934	Equipment Blank #1	2081
ST-263	KAFB-EB-263-050594	011A	P272182	25934	Equipment Blank #1	2089
ST-263	KAFB-EB-263-050594	011A	P272182	25934	Equipment Blank #1	2090
ST-263	KAFB-EB-263-050594	011A	P272182	25934	Equipment Blank #1	2098
ST-263	KAFB-EB-263-050594	011A	P272182	25934	Equipment Blank #1	2099
ST-263	KAFB-EB-263-050594	011A	P272182	25934	Equipment Blank #1	2107
ST-263	KAFB-EB-263-050594	011A	P272182	25934	Equipment Blank #1	2108
ST-263	KAFB-EB-263-050594	011A	P272182	25934	Equipment Blank #1	2116
ST-263	KAFB-EB-263-050594	011A	P272182	25934	Equipment Blank #1	2117
ST-263	KAFB-EB-263-050594	011A	P272182	25935	Equipment Blank #1	2078
ST-263	KAFB-EB-263-050594	011A	P272182	25935	Equipment Blank #1	2087
ST-263	KAFB-EB-263-050594	011A	P272182	25935	Equipment Blank #1	2096
ST-263	KAFB-EB-263-050594	011A	P272182	25935	Equipment Blank #1	2105
ST-263	KAFB-EB-263-050594	011A	P272182	25935	Equipment Blank #1	2114
ST-263	KAFB-EB-263-050594	011A	P272182	25961	Equipment Blank #1	2076
ST-263	KAFB-EB-263-050594	011A	P272182	25961	Equipment Blank #1	2085
ST-263	KAFB-EB-263-050594	011A	P272182	25961	Equipment Blank #1	2094
ST-263	KAFB-EB-263-050594	011A	P272182	25961	Equipment Blank #1	2103
ST-263	KAFB-EB-263-050594	011A	P272182	25961	Equipment Blank #1	2112
ST-263	KAFB-EB-263-050694	010A	0353080002EB	9405106K	Equipment Blank #1	2120
ST-263	KAFB-EB-263-050694	010A	0353080002EB	9405106K	Equipment Blank #1	2124
ST-263	KAFB-EB-263-050694	010A	0353080002EB	9405106K	Equipment Blank #1	2129
ST-263	KAFB-EB-263-050694	010A	0353080002EB	9405106K	Equipment Blank #1	2133
ST-263	KAFB-EB-263-050694	010A	0353080002EB	940519J	Equipment Blank #1	2124
ST-263	KAFB-EB-263-050694	010A	0353080002EB	940519J	Equipment Blank #1	2133
ST-263	KAFB-EB-263-050694	010A	P272171	25929	Equipment Blank #1	2122
ST-263	KAFB-EB-263-050694	010A	P272171	25929	Equipment Blank #1	2131
ST-263	KAFB-EB-263-050694	010A	P272171	25934	Equipment Blank #1	2125
ST-263	KAFB-EB-263-050694	010A	P272171	25934	Equipment Blank #1	2126
ST-263	KAFB-EB-263-050694	010A	P272171	25934	Equipment Blank #1	2134
ST-263	KAFB-EB-263-050694	010A	P272171	25934	Equipment Blank #1	2135
ST-263	KAFB-EB-263-050694	010A	P272171	25935	Equipment Blank #1	2123
ST-263	KAFB-EB-263-050694	010A	P272171	25935	Equipment Blank #1	2132
ST-263	KAFB-EB-263-050694	010A	P272171	25961	Equipment Blank #1	2121
ST-263	KAFB-EB-263-050694	010A	P272171	25961	Equipment Blank #1	2130
ST-263	KAFB-TB-01-050594	011A	0352910001TB	9405106K	Trip Blank #1	2075
ST-263	KAFB-TB-01-050594	011A	0352910001TB	9405106K	Trip Blank #1	2079
ST-263	KAFB-TB-01-050594	011A	0352910001TB	9405106K	Trip Blank #1	2084
ST-263	KAFB-TB-01-050594	011A	0352910001TB	9405106K	Trip Blank #1	2088
ST-263	KAFB-TB-01-050594	011A	0352910001TB	9405106K	Trip Blank #1	2093
ST-263	KAFB-TB-01-050594	011A	0352910001TB	9405106K	Trip Blank #1	2097
ST-263	KAFB-TB-01-050594	011A	0352910001TB	9405106K	Trip Blank #1	2102
ST-263	KAFB-TB-01-050594	011A	0352910001TB	9405106K	Trip Blank #1	2106
ST-263	KAFB-TB-01-050594	011A	0352910001TB	9405106K	Trip Blank #1	2111
ST-263	KAFB-TB-01-050594	011A	0352910001TB	9405106K	Trip Blank #1	2115
ST-263	KAFB-TB-01-050594	011A	0352910001TB	940516D	Trip Blank #1	2079
ST-263	KAFB-TB-01-050594	011A	0352910001TB	940516D	Trip Blank #1	2088
ST-263	KAFB-TB-01-050594	011A	0352910001TB	940516D	Trip Blank #1	2097
ST-263	KAFB-TB-01-050594	011A	0352910001TB	940516D	Trip Blank #1	2106
ST-263	KAFB-TB-01-050594	011A	0352910001TB	940516D	Trip Blank #1	2115
ST-263	KAFB-TB-01-050694	010A	0353080001TB	9405106K	Trip Blank #1	2120
ST-263	KAFB-TB-01-050694	010A	0353080001TB	9405106K	Trip Blank #1	2124

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ST-263	KAFB-TB-01-050694	010A	0353080001TB	9405106K	Trip Blank #1	2129
ST-263	KAFB-TB-01-050694	010A	0353080001TB	9405106K	Trip Blank #1	2133
ST-263	KAFB-TB-01-050694	010A	0353080001TB	940519J	Trip Blank #1	2124
ST-263	KAFB-TB-01-050694	010A	0353080001TB	940519J	Trip Blank #1	2133
ST-264	KAFB-264-01-0709	011A			Normal Environmental Sample #1	2140
ST-264	KAFB-264-01-0709	011A	0366090003SA	036609	Normal Environmental Sample #1	2137
ST-264	KAFB-264-01-0709	011A	0366090003SA	940714J	Normal Environmental Sample #1	2142
ST-264	KAFB-264-01-0709	011A	P278570	27228	Normal Environmental Sample #1	2145
ST-264	KAFB-264-01-0709	011A	P278570	27232	Normal Environmental Sample #1	2143
ST-264	KAFB-264-01-0709	011A	P278570	27232	Normal Environmental Sample #1	2144
ST-264	KAFB-264-01-0709	011A	P278570	27277	Normal Environmental Sample #1	2141
ST-264	KAFB-264-01-0709	011A	P278570	27284	Normal Environmental Sample #1	2138
ST-264	KAFB-264-01-0709	011A	P278570	27414	Normal Environmental Sample #1	2139
ST-264	KAFB-264-01-1214	011A			Normal Environmental Sample #1	2140
ST-264	KAFB-264-01-1214	011A	0366090004MS	940714J	Normal Environmental Sample #1	2142
ST-264	KAFB-264-01-1214	011A	0366090004SA	036609	Normal Environmental Sample #1	2137
ST-264	KAFB-264-01-1214	011A	P278571	27228	Normal Environmental Sample #1	2145
ST-264	KAFB-264-01-1214	011A	P278571	27232	Normal Environmental Sample #1	2143
ST-264	KAFB-264-01-1214	011A	P278571	27232	Normal Environmental Sample #1	2144
ST-264	KAFB-264-01-1214	011A	P278571	27284	Normal Environmental Sample #1	2138
ST-264	KAFB-264-01-1214	011A	P278571	27414	Normal Environmental Sample #1	2139
ST-264	KAFB-264-01-1214	011A	P278571	28178	Normal Environmental Sample #1	2141
ST-264	KAFB-264-02-0709	011A			Normal Environmental Sample #1	2149
ST-264	KAFB-264-02-0709	011A	0366690003SA	036669	Normal Environmental Sample #1	2146
ST-264	KAFB-264-02-0709	011A	0366690003SA	940714J	Normal Environmental Sample #1	2151
ST-264	KAFB-264-02-0709	011A	P278809	27319	Normal Environmental Sample #1	2154
ST-264	KAFB-264-02-0709	011A	P278809	27326	Normal Environmental Sample #1	2152
ST-264	KAFB-264-02-0709	011A	P278809	27326	Normal Environmental Sample #1	2153
ST-264	KAFB-264-02-0709	011A	P278809	27327	Normal Environmental Sample #1	2150
ST-264	KAFB-264-02-0709	011A	P278809	27414	Normal Environmental Sample #1	2148
ST-264	KAFB-264-02-0709	011A	P278809	27765	Normal Environmental Sample #1	2147
ST-264	KAFB-264-02-1214	011A			Normal Environmental Sample #1	2149
ST-264	KAFB-264-02-1214	011A	0366690004SA	036669	Normal Environmental Sample #1	2146
ST-264	KAFB-264-02-1214	011A	0366690004SA	940714J	Normal Environmental Sample #1	2151
ST-264	KAFB-264-02-1214	011A	P278810	27319	Normal Environmental Sample #1	2154
ST-264	KAFB-264-02-1214	011A	P278810	27326	Normal Environmental Sample #1	2152
ST-264	KAFB-264-02-1214	011A	P278810	27326	Normal Environmental Sample #1	2153
ST-264	KAFB-264-02-1214	011A	P278810	27327	Normal Environmental Sample #1	2150
ST-264	KAFB-264-02-1214	011A	P278810	27414	Normal Environmental Sample #1	2148
ST-264	KAFB-264-02-1214	011A	P278810	27765	Normal Environmental Sample #1	2147
ST-264	KAFB-264-03-0709	011A			Normal Environmental Sample #1	2158
ST-264	KAFB-264-03-0709	011A	0366690005SA	036669	Normal Environmental Sample #1	2155
ST-264	KAFB-264-03-0709	011A	0366690005SA	940714J	Normal Environmental Sample #1	2160
ST-264	KAFB-264-03-0709	011A	P278811	27319	Normal Environmental Sample #1	2163
ST-264	KAFB-264-03-0709	011A	P278811	27326	Normal Environmental Sample #1	2161
ST-264	KAFB-264-03-0709	011A	P278811	27326	Normal Environmental Sample #1	2162
ST-264	KAFB-264-03-0709	011A	P278811	27327	Normal Environmental Sample #1	2159
ST-264	KAFB-264-03-0709	011A	P278811	27414	Normal Environmental Sample #1	2157
ST-264	KAFB-264-03-0709	011A	P278811	27765	Normal Environmental Sample #1	2156
ST-264	KAFB-264-03-1214	011A			Normal Environmental Sample #1	2158
ST-264	KAFB-264-03-1214	011A	0366690006SA	036669	Normal Environmental Sample #1	2155
ST-264	KAFB-264-03-1214	011A	0366690006SA	940714J	Normal Environmental Sample #1	2160

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ST-264	KAFB-264-03-1214	011A	P278812	27319	Normal Environmental Sample #1	2163
ST-264	KAFB-264-03-1214	011A	P278812	27327	Normal Environmental Sample #1	2159
ST-264	KAFB-264-03-1214	011A	P278812	27414	Normal Environmental Sample #1	2157
ST-264	KAFB-264-03-1214	011A	P278812	27765	Normal Environmental Sample #1	2156
ST-264	KAFB-264-03-1214	011A	P278812	28190	Normal Environmental Sample #1	2161
ST-264	KAFB-264-03-1214	011A	P278812	28190	Normal Environmental Sample #1	2162
ST-264	KAFB-EB-264-063094	011A	0366090002EB	940713J	Equipment Blank #1	2142
ST-264	KAFB-EB-264-063094	011A	P278569	27227	Equipment Blank #1	2143
ST-264	KAFB-EB-264-063094	011A	P278569	27227	Equipment Blank #1	2144
ST-264	KAFB-EB-264-063094	011A	P278569	27229	Equipment Blank #1	2141
ST-264	KAFB-EB-264-063094	011A	P278569	27260	Equipment Blank #1	2138
ST-264	KAFB-EB-264-063094	011A	P278569	27356	Equipment Blank #1	2139
ST-264	KAFB-EB-264-063094	011A	P278569	28176	Equipment Blank #1	2140
ST-264	KAFB-EB-264-070594	011A	0366690002EB	940713J	Equipment Blank #1	2151
ST-264	KAFB-EB-264-070594	011A	0366690002EB	940713J	Equipment Blank #1	2160
ST-264	KAFB-EB-264-070594	011A	P278808	27300	Equipment Blank #1	2152
ST-264	KAFB-EB-264-070594	011A	P278808	27300	Equipment Blank #1	2153
ST-264	KAFB-EB-264-070594	011A	P278808	27300	Equipment Blank #1	2161
ST-264	KAFB-EB-264-070594	011A	P278808	27300	Equipment Blank #1	2162
ST-264	KAFB-EB-264-070594	011A	P278808	27301	Equipment Blank #1	2150
ST-264	KAFB-EB-264-070594	011A	P278808	27301	Equipment Blank #1	2159
ST-264	KAFB-EB-264-070594	011A	P278808	27335	Equipment Blank #1	2147
ST-264	KAFB-EB-264-070594	011A	P278808	27335	Equipment Blank #1	2156
ST-264	KAFB-EB-264-070594	011A	P278808	27356	Equipment Blank #1	2148
ST-264	KAFB-EB-264-070594	011A	P278808	27356	Equipment Blank #1	2157
ST-264	KAFB-EB-264-070594	011A	P278808	28177	Equipment Blank #1	2149
ST-264	KAFB-EB-264-070594	011A	P278808	28177	Equipment Blank #1	2158
ST-264	KAFB-TB-01-063094	011A	0366090001TB	940713J	Trip Blank #1	2142
ST-264	KAFB-TB-01-070594	011A	0366690001TB	940713J	Trip Blank #1	2151
ST-264	KAFB-TB-01-070594	011A	0366690001TB	940713J	Trip Blank #1	2160
ST-265	KAFB-265-01-0406	011A			Normal Environmental Sample #1	2167
ST-265	KAFB-265-01-0406	011A	0365610003SA	036561	Normal Environmental Sample #1	2164
ST-265	KAFB-265-01-0406	011A	0365610003SA	940712J	Normal Environmental Sample #1	2169
ST-265	KAFB-265-01-0406	011A	P277986	27140	Normal Environmental Sample #1	2172
ST-265	KAFB-265-01-0406	011A	P277986	27200	Normal Environmental Sample #1	2168
ST-265	KAFB-265-01-0406	011A	P277986	27232	Normal Environmental Sample #1	2170
ST-265	KAFB-265-01-0406	011A	P277986	27232	Normal Environmental Sample #1	2171
ST-265	KAFB-265-01-0406	011A	P277986	27238	Normal Environmental Sample #1	2165
ST-265	KAFB-265-01-0406	011A	P277986	27287	Normal Environmental Sample #1	2166
ST-265	KAFB-265-01-0911	011A			Normal Environmental Sample #1	2167
ST-265	KAFB-265-01-0911	011A	0365610004SA	036561	Normal Environmental Sample #1	2164
ST-265	KAFB-265-01-0911	011A	0365610004SA	940711J	Normal Environmental Sample #1	2169
ST-265	KAFB-265-01-0911	011A	P277987	27140	Normal Environmental Sample #1	2172
ST-265	KAFB-265-01-0911	011A	P277987	27200	Normal Environmental Sample #1	2168
ST-265	KAFB-265-01-0911	011A	P277987	27232	Normal Environmental Sample #1	2170
ST-265	KAFB-265-01-0911	011A	P277987	27232	Normal Environmental Sample #1	2171
ST-265	KAFB-265-01-0911	011A	P277987	27238	Normal Environmental Sample #1	2165
ST-265	KAFB-265-01-0911	011A	P277987	27287	Normal Environmental Sample #1	2166
ST-265	KAFB-265-02-0408	011A			Normal Environmental Sample #1	2176
ST-265	KAFB-265-02-0408	011A	0365610006SA	036561	Normal Environmental Sample #1	2173
ST-265	KAFB-265-02-0408	011A	0365610006SA	940711J	Normal Environmental Sample #1	2178
ST-265	KAFB-265-02-0408	011A	P277988	27140	Normal Environmental Sample #1	2181

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ST-265	KAFB-265-02-0408	011A	P277988	27232	Normal Environmental Sample #1	2179
ST-265	KAFB-265-02-0408	011A	P277988	27232	Normal Environmental Sample #1	2180
ST-265	KAFB-265-02-0408	011A	P277988	27238	Normal Environmental Sample #1	2174
ST-265	KAFB-265-02-0408	011A	P277988	27287	Normal Environmental Sample #1	2175
ST-265	KAFB-265-02-0408	011A	P277988	28099	Normal Environmental Sample #1	2177
ST-265	KAFB-265-02-0911	011A			Normal Environmental Sample #1	2176
ST-265	KAFB-265-02-0911	011A	0365610005SA	036561	Normal Environmental Sample #1	2173
ST-265	KAFB-265-02-0911	011A	0365610005SA	940711J	Normal Environmental Sample #1	2178
ST-265	KAFB-265-02-0911	011A	P277990	27140	Normal Environmental Sample #1	2181
ST-265	KAFB-265-02-0911	011A	P277990	27200	Normal Environmental Sample #1	2177
ST-265	KAFB-265-02-0911	011A	P277990	27232	Normal Environmental Sample #1	2179
ST-265	KAFB-265-02-0911	011A	P277990	27232	Normal Environmental Sample #1	2180
ST-265	KAFB-265-02-0911	011A	P277990	27238	Normal Environmental Sample #1	2174
ST-265	KAFB-265-02-0911	011A	P277990	27287	Normal Environmental Sample #1	2175
ST-265	KAFB-265-03-0406	011A			Normal Environmental Sample #1	2185
ST-265	KAFB-265-03-0406	011A	0365610008SA	036561	Normal Environmental Sample #1	2182
ST-265	KAFB-265-03-0406	011A	0365610008SA	940711E	Normal Environmental Sample #1	2187
ST-265	KAFB-265-03-0406	011A	P277991	27140	Normal Environmental Sample #1	2190
ST-265	KAFB-265-03-0406	011A	P277991	27200	Normal Environmental Sample #1	2186
ST-265	KAFB-265-03-0406	011A	P277991	27232	Normal Environmental Sample #1	2188
ST-265	KAFB-265-03-0406	011A	P277991	27232	Normal Environmental Sample #1	2189
ST-265	KAFB-265-03-0406	011A	P277991	27238	Normal Environmental Sample #1	2183
ST-265	KAFB-265-03-0406	011A	P277991	27287	Normal Environmental Sample #1	2184
ST-265	KAFB-265-09-0911	011A			Normal Environmental Sample #1	2185
ST-265	KAFB-265-09-0911	011A	0365610009SA	036561	Normal Environmental Sample #1	2182
ST-265	KAFB-265-09-0911	011A	0365610009SA	940711E	Normal Environmental Sample #1	2187
ST-265	KAFB-265-09-0911	011A	P277992	27140	Normal Environmental Sample #1	2190
ST-265	KAFB-265-09-0911	011A	P277992	27200	Normal Environmental Sample #1	2186
ST-265	KAFB-265-09-0911	011A	P277992	27232	Normal Environmental Sample #1	2188
ST-265	KAFB-265-09-0911	011A	P277992	27232	Normal Environmental Sample #1	2189
ST-265	KAFB-265-09-0911	011A	P277992	27238	Normal Environmental Sample #1	2183
ST-265	KAFB-265-09-0911	011A	P277992	27287	Normal Environmental Sample #1	2184
ST-265	KAFB-265-99-0408	011A			Field Replicate #1	2176
ST-265	KAFB-265-99-0408	011A	0365610006SA	036561	Field Replicate #1	2173
ST-265	KAFB-265-99-0408	011A	0365610006SA	940711J	Field Replicate #1	2178
ST-265	KAFB-265-99-0408	011A	P277988	27140	Field Replicate #1	2181
ST-265	KAFB-265-99-0408	011A	P277988	27232	Field Replicate #1	2179
ST-265	KAFB-265-99-0408	011A	P277988	27232	Field Replicate #1	2180
ST-265	KAFB-265-99-0408	011A	P277988	27238	Field Replicate #1	2174
ST-265	KAFB-265-99-0408	011A	P277988	27287	Field Replicate #1	2175
ST-265	KAFB-265-99-0408	011A	P277988	28099	Field Replicate #1	2177
ST-265	KAFB-EB-265-062894	011A	0365610002EB	940711J	Equipment Blank #1	2169
ST-265	KAFB-EB-265-062894	011A	0365610002EB	940711J	Equipment Blank #1	2178
ST-265	KAFB-EB-265-062894	011A	0365610002EB	940711J	Equipment Blank #1	2187
ST-265	KAFB-EB-265-062894	011A	P277985	021.0	Equipment Blank #1	2167
ST-265	KAFB-EB-265-062894	011A	P277985	021.0	Equipment Blank #1	2176
ST-265	KAFB-EB-265-062894	011A	P277985	021.0	Equipment Blank #1	2185
ST-265	KAFB-EB-265-062894	011A	P277985	27128	Equipment Blank #1	2165
ST-265	KAFB-EB-265-062894	011A	P277985	27128	Equipment Blank #1	2174
ST-265	KAFB-EB-265-062894	011A	P277985	27128	Equipment Blank #1	2183
ST-265	KAFB-EB-265-062894	011A	P277985	27153	Equipment Blank #1	2170
ST-265	KAFB-EB-265-062894	011A	P277985	27153	Equipment Blank #1	2171

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ST-265	KAFB-EB-265-062894	011A	P277985	27153	Equipment Blank #1	2179
ST-265	KAFB-EB-265-062894	011A	P277985	27153	Equipment Blank #1	2180
ST-265	KAFB-EB-265-062894	011A	P277985	27153	Equipment Blank #1	2188
ST-265	KAFB-EB-265-062894	011A	P277985	27153	Equipment Blank #1	2189
ST-265	KAFB-EB-265-062894	011A	P277985	27154	Equipment Blank #1	2168
ST-265	KAFB-EB-265-062894	011A	P277985	27154	Equipment Blank #1	2177
ST-265	KAFB-EB-265-062894	011A	P277985	27154	Equipment Blank #1	2186
ST-265	KAFB-EB-265-062894	011A	P277985	27314	Equipment Blank #1	2166
ST-265	KAFB-EB-265-062894	011A	P277985	27314	Equipment Blank #1	2175
ST-265	KAFB-EB-265-062894	011A	P277985	27314	Equipment Blank #1	2184
ST-265	KAFB-TB-01-062894	011A	0365610001TB	940711J	Trip Blank #1	2169
ST-265	KAFB-TB-01-062894	011A	0365610001TB	940711J	Trip Blank #1	2178
ST-265	KAFB-TB-01-062894	011A	0365610001TB	940711J	Trip Blank #1	2187
ST-266	KAFB-266-01-0610	011A			Normal Environmental Sample #1	2194
ST-266	KAFB-266-01-0610	011A	0364500003SA	036450	Normal Environmental Sample #1	2191
ST-266	KAFB-266-01-0610	011A	0364500003SA	940706J	Normal Environmental Sample #1	2196
ST-266	KAFB-266-01-0610	011A	P277690	27012	Normal Environmental Sample #1	2195
ST-266	KAFB-266-01-0610	011A	P277690	27026	Normal Environmental Sample #1	2199
ST-266	KAFB-266-01-0610	011A	P277690	27047	Normal Environmental Sample #1	2197
ST-266	KAFB-266-01-0610	011A	P277690	27047	Normal Environmental Sample #1	2198
ST-266	KAFB-266-01-0610	011A	P277690	27287	Normal Environmental Sample #1	2193
ST-266	KAFB-266-01-0610	011A	P277690	27416	Normal Environmental Sample #1	2192
ST-266	KAFB-266-01-1618	011A			Normal Environmental Sample #1	2194
ST-266	KAFB-266-01-1618	011A	0364500005SA	036450	Normal Environmental Sample #1	2191
ST-266	KAFB-266-01-1618	011A	0364500005SA	940706J	Normal Environmental Sample #1	2196
ST-266	KAFB-266-01-1618	011A	P277692	27012	Normal Environmental Sample #1	2195
ST-266	KAFB-266-01-1618	011A	P277692	27026	Normal Environmental Sample #1	2199
ST-266	KAFB-266-01-1618	011A	P277692	27047	Normal Environmental Sample #1	2197
ST-266	KAFB-266-01-1618	011A	P277692	27047	Normal Environmental Sample #1	2198
ST-266	KAFB-266-01-1618	011A	P277692	27266	Normal Environmental Sample #1	2193
ST-266	KAFB-266-01-1618	011A	P277692	27416	Normal Environmental Sample #1	2192
ST-266	KAFB-266-02-0608	011A			Normal Environmental Sample #1	2203
ST-266	KAFB-266-02-0608	011A	0364500006SA	036450	Normal Environmental Sample #1	2200
ST-266	KAFB-266-02-0608	011A	0364500006SA	940707J	Normal Environmental Sample #1	2205
ST-266	KAFB-266-02-0608	011A	P277693	27012	Normal Environmental Sample #1	2204
ST-266	KAFB-266-02-0608	011A	P277693	27047	Normal Environmental Sample #1	2206
ST-266	KAFB-266-02-0608	011A	P277693	27047	Normal Environmental Sample #1	2207
ST-266	KAFB-266-02-0608	011A	P277693	27055	Normal Environmental Sample #1	2208
ST-266	KAFB-266-02-0608	011A	P277693	27266	Normal Environmental Sample #1	2202
ST-266	KAFB-266-02-0608	011A	P277693	27416	Normal Environmental Sample #1	2201
ST-266	KAFB-266-02-1618	011A			Normal Environmental Sample #1	2203
ST-266	KAFB-266-02-1618	011A	0364500007SA	036450	Normal Environmental Sample #1	2200
ST-266	KAFB-266-02-1618	011A	0364500007SA	940706J	Normal Environmental Sample #1	2205
ST-266	KAFB-266-02-1618	011A	P277694	27047	Normal Environmental Sample #1	2206
ST-266	KAFB-266-02-1618	011A	P277694	27047	Normal Environmental Sample #1	2207
ST-266	KAFB-266-02-1618	011A	P277694	27055	Normal Environmental Sample #1	2208
ST-266	KAFB-266-02-1618	011A	P277694	27218	Normal Environmental Sample #1	2201
ST-266	KAFB-266-02-1618	011A	P277694	27287	Normal Environmental Sample #1	2202
ST-266	KAFB-266-02-1618	011A	P277694	28066	Normal Environmental Sample #1	2204
ST-266	KAFB-266-03-0608	011A			Normal Environmental Sample #1	2212
ST-266	KAFB-266-03-0608	011A	0364500008SA	036450	Normal Environmental Sample #1	2209
ST-266	KAFB-266-03-0608	011A	0364500008SA	940707J	Normal Environmental Sample #1	2214

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ST-266	KAFB-266-03-0608	011A	P277695	27012	Normal Environmental Sample #1	2213
ST-266	KAFB-266-03-0608	011A	P277695	27047	Normal Environmental Sample #1	2215
ST-266	KAFB-266-03-0608	011A	P277695	27047	Normal Environmental Sample #1	2216
ST-266	KAFB-266-03-0608	011A	P277695	27055	Normal Environmental Sample #1	2217
ST-266	KAFB-266-03-0608	011A	P277695	27218	Normal Environmental Sample #1	2210
ST-266	KAFB-266-03-0608	011A	P277695	27266	Normal Environmental Sample #1	2211
ST-266	KAFB-266-03-1618	011A			Normal Environmental Sample #1	2212
ST-266	KAFB-266-03-1618	011A	0364500009SA	036450	Normal Environmental Sample #1	2209
ST-266	KAFB-266-03-1618	011A	0364500009SA	940707J	Normal Environmental Sample #1	2214
ST-266	KAFB-266-03-1618	011A	P277696	27012	Normal Environmental Sample #1	2213
ST-266	KAFB-266-03-1618	011A	P277696	27047	Normal Environmental Sample #1	2215
ST-266	KAFB-266-03-1618	011A	P277696	27047	Normal Environmental Sample #1	2216
ST-266	KAFB-266-03-1618	011A	P277696	27055	Normal Environmental Sample #1	2217
ST-266	KAFB-266-03-1618	011A	P277696	27218	Normal Environmental Sample #1	2210
ST-266	KAFB-266-03-1618	011A	P277696	27287	Normal Environmental Sample #1	2211
ST-266	KAFB-266-03-2224	011A			Normal Environmental Sample #1	2212
ST-266	KAFB-266-03-2224	011A	0364500010RA	036450	Normal Environmental Sample #1	2209
ST-266	KAFB-266-03-2224	011A	P277697	27012	Normal Environmental Sample #1	2213
ST-266	KAFB-266-03-2224	011A	P277697	27047	Normal Environmental Sample #1	2215
ST-266	KAFB-266-03-2224	011A	P277697	27047	Normal Environmental Sample #1	2216
ST-266	KAFB-266-03-2224	011A	P277697	27055	Normal Environmental Sample #1	2217
ST-266	KAFB-266-03-2224	011A	P277697	27218	Normal Environmental Sample #1	2210
ST-266	KAFB-266-03-2224	011A	P277697	27266	Normal Environmental Sample #1	2211
ST-266	KAFB-266-04-0608	011A			Normal Environmental Sample #1	2221
ST-266	KAFB-266-04-0608	011A	0364870003SA	036487	Normal Environmental Sample #1	2218
ST-266	KAFB-266-04-0608	011A	0364870003SA	940707J	Normal Environmental Sample #1	2223
ST-266	KAFB-266-04-0608	011A	P277799	27055	Normal Environmental Sample #1	2226
ST-266	KAFB-266-04-0608	011A	P277799	27116	Normal Environmental Sample #1	2224
ST-266	KAFB-266-04-0608	011A	P277799	27116	Normal Environmental Sample #1	2225
ST-266	KAFB-266-04-0608	011A	P277799	27118	Normal Environmental Sample #1	2222
ST-266	KAFB-266-04-0608	011A	P277799	27218	Normal Environmental Sample #1	2219
ST-266	KAFB-266-04-0608	011A	P277799	27266	Normal Environmental Sample #1	2220
ST-266	KAFB-266-04-1618	011A			Normal Environmental Sample #1	2221
ST-266	KAFB-266-04-1618	011A	0364870004SA	036487	Normal Environmental Sample #1	2218
ST-266	KAFB-266-04-1618	011A	0364870004SA	940707J	Normal Environmental Sample #1	2223
ST-266	KAFB-266-04-1618	011A	P277800	27055	Normal Environmental Sample #1	2226
ST-266	KAFB-266-04-1618	011A	P277800	27116	Normal Environmental Sample #1	2224
ST-266	KAFB-266-04-1618	011A	P277800	27116	Normal Environmental Sample #1	2225
ST-266	KAFB-266-04-1618	011A	P277800	27118	Normal Environmental Sample #1	2222
ST-266	KAFB-266-04-1618	011A	P277800	27218	Normal Environmental Sample #1	2219
ST-266	KAFB-266-04-1618	011A	P277800	27266	Normal Environmental Sample #1	2220
ST-266	KAFB-266-05-0610	011A			Normal Environmental Sample #1	2230
ST-266	KAFB-266-05-0610	011A	0364870005SA	036487	Normal Environmental Sample #1	2227
ST-266	KAFB-266-05-0610	011A	0364870005SA	940707J	Normal Environmental Sample #1	2232
ST-266	KAFB-266-05-0610	011A	P277801	27055	Normal Environmental Sample #1	2235
ST-266	KAFB-266-05-0610	011A	P277801	27116	Normal Environmental Sample #1	2233
ST-266	KAFB-266-05-0610	011A	P277801	27116	Normal Environmental Sample #1	2234
ST-266	KAFB-266-05-0610	011A	P277801	27118	Normal Environmental Sample #1	2231
ST-266	KAFB-266-05-0610	011A	P277801	27218	Normal Environmental Sample #1	2228
ST-266	KAFB-266-05-0610	011A	P277801	27266	Normal Environmental Sample #1	2229
ST-266	KAFB-266-05-1618	011A			Normal Environmental Sample #1	2230
ST-266	KAFB-266-05-1618	011A	0364870006SA	036487	Normal Environmental Sample #1	2227

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ST-266	KAFB-266-05-1618	011A	0364870006SA	940707J	Normal Environmental Sample #1	2232
ST-266	KAFB-266-05-1618	011A	P277802	27055	Normal Environmental Sample #1	2235
ST-266	KAFB-266-05-1618	011A	P277802	27116	Normal Environmental Sample #1	2233
ST-266	KAFB-266-05-1618	011A	P277802	27116	Normal Environmental Sample #1	2234
ST-266	KAFB-266-05-1618	011A	P277802	27118	Normal Environmental Sample #1	2231
ST-266	KAFB-266-05-1618	011A	P277802	27218	Normal Environmental Sample #1	2228
ST-266	KAFB-266-05-1618	011A	P277802	27266	Normal Environmental Sample #1	2229
ST-266	KAFB-266-06-1820				Normal Environmental Sample #1	2238
ST-266	KAFB-266-06-1820				Normal Environmental Sample #1	2239
ST-266	KAFB-266-06-1820				Normal Environmental Sample #1	2241
ST-266	KAFB-266-06-1820				Normal Environmental Sample #1	2242
ST-266	KAFB-266-06-1820		940625-02		Normal Environmental Sample #1	2236
ST-266	KAFB-266-06-1820		940625-02		Normal Environmental Sample #1	2237
ST-266	KAFB-266-06-1820		940625-02		Normal Environmental Sample #1	2240
ST-266	KAFB-266-07-1820				Normal Environmental Sample #1	2245
ST-266	KAFB-266-07-1820				Normal Environmental Sample #1	2246
ST-266	KAFB-266-07-1820				Normal Environmental Sample #1	2248
ST-266	KAFB-266-07-1820				Normal Environmental Sample #1	2249
ST-266	KAFB-266-07-1820		940625-04		Normal Environmental Sample #1	2243
ST-266	KAFB-266-07-1820		940625-04		Normal Environmental Sample #1	2244
ST-266	KAFB-266-07-1820		940625-04		Normal Environmental Sample #1	2247
ST-266	KAFB-266-08-1820	011A			Normal Environmental Sample #1	2252
ST-266	KAFB-266-08-1820	011A			Normal Environmental Sample #1	2253
ST-266	KAFB-266-08-1820	011A			Normal Environmental Sample #1	2255
ST-266	KAFB-266-08-1820	011A			Normal Environmental Sample #1	2256
ST-266	KAFB-266-08-1820	011A	940643-02		Normal Environmental Sample #1	2250
ST-266	KAFB-266-08-1820	011A	940643-02		Normal Environmental Sample #1	2251
ST-266	KAFB-266-08-1820	011A	940643-02		Normal Environmental Sample #1	2254
ST-266	KAFB-266-09-1820	011A			Normal Environmental Sample #1	2259
ST-266	KAFB-266-09-1820	011A			Normal Environmental Sample #1	2260
ST-266	KAFB-266-09-1820	011A			Normal Environmental Sample #1	2262
ST-266	KAFB-266-09-1820	011A			Normal Environmental Sample #1	2263
ST-266	KAFB-266-09-1820	011A	940643-03		Normal Environmental Sample #1	2257
ST-266	KAFB-266-09-1820	011A	940643-03		Normal Environmental Sample #1	2258
ST-266	KAFB-266-09-1820	011A	940643-03		Normal Environmental Sample #1	2261
ST-266	KAFB-266-09-3032	011A			Normal Environmental Sample #1	2259
ST-266	KAFB-266-09-3032	011A			Normal Environmental Sample #1	2260
ST-266	KAFB-266-09-3032	011A			Normal Environmental Sample #1	2262
ST-266	KAFB-266-09-3032	011A			Normal Environmental Sample #1	2263
ST-266	KAFB-266-09-3032	011A	940643-04		Normal Environmental Sample #1	2257
ST-266	KAFB-266-09-3032	011A	940643-04		Normal Environmental Sample #1	2258
ST-266	KAFB-266-09-3032	011A	940643-04		Normal Environmental Sample #1	2261
ST-266	KAFB-266-99-0610	011A			Field Replicate #1	2194
ST-266	KAFB-266-99-0610	011A			Field Replicate #1	2230
ST-266	KAFB-266-99-0610	011A	0364500003SA	036450	Field Replicate #1	2191
ST-266	KAFB-266-99-0610	011A	0364500003SA	940706J	Field Replicate #1	2196
ST-266	KAFB-266-99-0610	011A	0364870005SA	036487	Field Replicate #1	2227
ST-266	KAFB-266-99-0610	011A	0364870005SA	940707J	Field Replicate #1	2232
ST-266	KAFB-266-99-0610	011A	P277690	27012	Field Replicate #1	2195
ST-266	KAFB-266-99-0610	011A	P277690	27026	Field Replicate #1	2199
ST-266	KAFB-266-99-0610	011A	P277690	27047	Field Replicate #1	2197
ST-266	KAFB-266-99-0610	011A	P277690	27047	Field Replicate #1	2198

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ST-266	KAFB-266-99-0610	011A	P277690	27287	Field Replicate #1	2193
ST-266	KAFB-266-99-0610	011A	P277690	27416	Field Replicate #1	2192
ST-266	KAFB-266-99-0610	011A	P277801	27055	Field Replicate #1	2235
ST-266	KAFB-266-99-0610	011A	P277801	27116	Field Replicate #1	2233
ST-266	KAFB-266-99-0610	011A	P277801	27116	Field Replicate #1	2234
ST-266	KAFB-266-99-0610	011A	P277801	27118	Field Replicate #1	2231
ST-266	KAFB-266-99-0610	011A	P277801	27218	Field Replicate #1	2228
ST-266	KAFB-266-99-0610	011A	P277801	27266	Field Replicate #1	2229
ST-266	KAFB-EB-266-062394	011A	0364500002EB	940706J	Equipment Blank #1	2196
ST-266	KAFB-EB-266-062394	011A	0364500002EB	940706J	Equipment Blank #1	2205
ST-266	KAFB-EB-266-062394	011A	0364500002EB	940706J	Equipment Blank #1	2214
ST-266	KAFB-EB-266-062394	011A	P277689	26991	Equipment Blank #1	2197
ST-266	KAFB-EB-266-062394	011A	P277689	26991	Equipment Blank #1	2198
ST-266	KAFB-EB-266-062394	011A	P277689	26991	Equipment Blank #1	2206
ST-266	KAFB-EB-266-062394	011A	P277689	26991	Equipment Blank #1	2207
ST-266	KAFB-EB-266-062394	011A	P277689	26991	Equipment Blank #1	2215
ST-266	KAFB-EB-266-062394	011A	P277689	26991	Equipment Blank #1	2216
ST-266	KAFB-EB-266-062394	011A	P277689	26992	Equipment Blank #1	2195
ST-266	KAFB-EB-266-062394	011A	P277689	26992	Equipment Blank #1	2204
ST-266	KAFB-EB-266-062394	011A	P277689	26992	Equipment Blank #1	2213
ST-266	KAFB-EB-266-062394	011A	P277689	27082	Equipment Blank #1	2192
ST-266	KAFB-EB-266-062394	011A	P277689	27082	Equipment Blank #1	2201
ST-266	KAFB-EB-266-062394	011A	P277689	27082	Equipment Blank #1	2210
ST-266	KAFB-EB-266-062394	011A	P277689	27090	Equipment Blank #1	2193
ST-266	KAFB-EB-266-062394	011A	P277689	27090	Equipment Blank #1	2202
ST-266	KAFB-EB-266-062394	011A	P277689	27090	Equipment Blank #1	2211
ST-266	KAFB-EB-266-062394	011A	P277689	28067	Equipment Blank #1	2194
ST-266	KAFB-EB-266-062394	011A	P277689	28067	Equipment Blank #1	2203
ST-266	KAFB-EB-266-062394	011A	P277689	28067	Equipment Blank #1	2212
ST-266	KAFB-EB-266-062494	011A	0364870002EB	940707J	Equipment Blank #1	2221
ST-266	KAFB-EB-266-062494	011A	0364870002EB	940707J	Equipment Blank #1	2223
ST-266	KAFB-EB-266-062494	011A	0364870002EB	940707J	Equipment Blank #1	2230
ST-266	KAFB-EB-266-062494	011A	0364870002EB	940707J	Equipment Blank #1	2232
ST-266	KAFB-EB-266-062494	011A	P277798	27076	Equipment Blank #1	2224
ST-266	KAFB-EB-266-062494	011A	P277798	27076	Equipment Blank #1	2225
ST-266	KAFB-EB-266-062494	011A	P277798	27076	Equipment Blank #1	2233
ST-266	KAFB-EB-266-062494	011A	P277798	27076	Equipment Blank #1	2234
ST-266	KAFB-EB-266-062494	011A	P277798	27078	Equipment Blank #1	2222
ST-266	KAFB-EB-266-062494	011A	P277798	27078	Equipment Blank #1	2231
ST-266	KAFB-EB-266-062494	011A	P277798	27082	Equipment Blank #1	2219
ST-266	KAFB-EB-266-062494	011A	P277798	27082	Equipment Blank #1	2228
ST-266	KAFB-EB-266-062494	011A	P277798	27090	Equipment Blank #1	2220
ST-266	KAFB-EB-266-062494	011A	P277798	27090	Equipment Blank #1	2229
ST-266	KAFB-EB-266-062494	011A	P277798	28067	Equipment Blank #1	2221
ST-266	KAFB-EB-266-062494	011A	P277798	28067	Equipment Blank #1	2230
ST-266	KAFB-EB-266-072094	011A			Equipment Blank #1	2252
ST-266	KAFB-EB-266-072094	011A			Equipment Blank #1	2253
ST-266	KAFB-EB-266-072094	011A			Equipment Blank #1	2259
ST-266	KAFB-EB-266-072094	011A			Equipment Blank #1	2260
ST-266	KAFB-EB-RB07-07209	011A			Equipment Blank #2	2251
ST-266	KAFB-EB-RB07-07209	011A			Equipment Blank #2	2255
ST-266	KAFB-EB-RB07-07209	011A			Equipment Blank #2	2256

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ST-266	KAFB-EB-RB07-07209	011A			Equipment Blank #2	2258
ST-266	KAFB-EB-RB07-07209	011A			Equipment Blank #2	2262
ST-266	KAFB-EB-RB07-07209	011A			Equipment Blank #2	2263
ST-266	KAFB-EB-RB07-07209	011A	940643-01		Equipment Blank #2	2250
ST-266	KAFB-EB-RB07-07209	011A	940643-01		Equipment Blank #2	2254
ST-266	KAFB-EB-RB07-07209	011A	940643-01		Equipment Blank #2	2257
ST-266	KAFB-EB-RB07-07209	011A	940643-01		Equipment Blank #2	2261
ST-266	KAFB-TB-01-062394	011A	0364500001TB	940706J	Trip Blank #1	2196
ST-266	KAFB-TB-01-062394	011A	0364500001TB	940706J	Trip Blank #1	2205
ST-266	KAFB-TB-01-062394	011A	0364500001TB	940706J	Trip Blank #1	2214
ST-266	KAFB-TB-01-062494	011A	0364870001TB	940707J	Trip Blank #1	2221
ST-266	KAFB-TB-01-062494	011A	0364870001TB	940707J	Trip Blank #1	2223
ST-266	KAFB-TB-01-062494	011A	0364870001TB	940707J	Trip Blank #1	2230
ST-266	KAFB-TB-01-062494	011A	0364870001TB	940707J	Trip Blank #1	2232
ST-266	KAFB-TB-01-072094	011A			Trip Blank #1	2252
ST-266	KAFB-TB-01-072094	011A			Trip Blank #1	2259
ST-266	KAFB-TB-01-072094	011A	940643-05		Trip Blank #1	2254
ST-266	KAFB-TB-01-072094	011A	940643-05		Trip Blank #1	2261
ST-267	KAFB-267-01-0408	011A			Normal Environmental Sample #1	2267
ST-267	KAFB-267-01-0408	011A	0364870008MS	940708J	Normal Environmental Sample #1	2269
ST-267	KAFB-267-01-0408	011A	0364870008SA	036487	Normal Environmental Sample #1	2264
ST-267	KAFB-267-01-0408	011A	P277804	27055	Normal Environmental Sample #1	2272
ST-267	KAFB-267-01-0408	011A	P277804	27116	Normal Environmental Sample #1	2270
ST-267	KAFB-267-01-0408	011A	P277804	27116	Normal Environmental Sample #1	2271
ST-267	KAFB-267-01-0408	011A	P277804	27118	Normal Environmental Sample #1	2268
ST-267	KAFB-267-01-0408	011A	P277804	27218	Normal Environmental Sample #1	2265
ST-267	KAFB-267-01-0408	011A	P277804	27266	Normal Environmental Sample #1	2266
ST-267	KAFB-267-01-0911	011A			Normal Environmental Sample #1	2267
ST-267	KAFB-267-01-0911	011A	0364870009SA	036487	Normal Environmental Sample #1	2264
ST-267	KAFB-267-01-0911	011A	0364870009SA	940707J	Normal Environmental Sample #1	2269
ST-267	KAFB-267-01-0911	011A	P277805	27055	Normal Environmental Sample #1	2272
ST-267	KAFB-267-01-0911	011A	P277805	27116	Normal Environmental Sample #1	2270
ST-267	KAFB-267-01-0911	011A	P277805	27116	Normal Environmental Sample #1	2271
ST-267	KAFB-267-01-0911	011A	P277805	27118	Normal Environmental Sample #1	2268
ST-267	KAFB-267-01-0911	011A	P277805	27218	Normal Environmental Sample #1	2265
ST-267	KAFB-267-01-0911	011A	P277805	27266	Normal Environmental Sample #1	2266
ST-267	KAFB-267-02-0406	011A			Normal Environmental Sample #1	2276
ST-267	KAFB-267-02-0406	011A	0364870010SA	036487	Normal Environmental Sample #1	2273
ST-267	KAFB-267-02-0406	011A	0364870010SA	940707J	Normal Environmental Sample #1	2278
ST-267	KAFB-267-02-0406	011A	P277806	27055	Normal Environmental Sample #1	2281
ST-267	KAFB-267-02-0406	011A	P277806	27116	Normal Environmental Sample #1	2279
ST-267	KAFB-267-02-0406	011A	P277806	27116	Normal Environmental Sample #1	2280
ST-267	KAFB-267-02-0406	011A	P277806	27118	Normal Environmental Sample #1	2277
ST-267	KAFB-267-02-0406	011A	P277806	27218	Normal Environmental Sample #1	2274
ST-267	KAFB-267-02-0406	011A	P277806	27266	Normal Environmental Sample #1	2275
ST-267	KAFB-267-02-0911	011A			Normal Environmental Sample #1	2276
ST-267	KAFB-267-02-0911	011A	0364870011SA	036487	Normal Environmental Sample #1	2273
ST-267	KAFB-267-02-0911	011A	0364870011SA	940707J	Normal Environmental Sample #1	2278
ST-267	KAFB-267-02-0911	011A	P277807	27055	Normal Environmental Sample #1	2281
ST-267	KAFB-267-02-0911	011A	P277807	27116	Normal Environmental Sample #1	2279
ST-267	KAFB-267-02-0911	011A	P277807	27116	Normal Environmental Sample #1	2280
ST-267	KAFB-267-02-0911	011A	P277807	27118	Normal Environmental Sample #1	2277

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ST-267	KAFB-267-02-0911	011A	P277807	27218	Normal Environmental Sample #1	2274
ST-267	KAFB-267-02-0911	011A	P277807	27266	Normal Environmental Sample #1	2275
ST-267	KAFB-267-03-0406	011A			Normal Environmental Sample #1	2285
ST-267	KAFB-267-03-0406	011A	0365190003SA	036519	Normal Environmental Sample #1	2282
ST-267	KAFB-267-03-0406	011A	0365190003SA	940708J	Normal Environmental Sample #1	2287
ST-267	KAFB-267-03-0406	011A	P277937	27140	Normal Environmental Sample #1	2290
ST-267	KAFB-267-03-0406	011A	P277937	27158	Normal Environmental Sample #1	2288
ST-267	KAFB-267-03-0406	011A	P277937	27158	Normal Environmental Sample #1	2289
ST-267	KAFB-267-03-0406	011A	P277937	27160	Normal Environmental Sample #1	2286
ST-267	KAFB-267-03-0406	011A	P277937	27218	Normal Environmental Sample #1	2283
ST-267	KAFB-267-03-0406	011A	P277937	27266	Normal Environmental Sample #1	2284
ST-267	KAFB-267-03-0911	011A			Normal Environmental Sample #1	2285
ST-267	KAFB-267-03-0911	011A	0365190004SA	036519	Normal Environmental Sample #1	2282
ST-267	KAFB-267-03-0911	011A	0365190004SA	940708J	Normal Environmental Sample #1	2287
ST-267	KAFB-267-03-0911	011A	P277938	27140	Normal Environmental Sample #1	2290
ST-267	KAFB-267-03-0911	011A	P277938	27158	Normal Environmental Sample #1	2288
ST-267	KAFB-267-03-0911	011A	P277938	27158	Normal Environmental Sample #1	2289
ST-267	KAFB-267-03-0911	011A	P277938	27160	Normal Environmental Sample #1	2286
ST-267	KAFB-267-03-0911	011A	P277938	27218	Normal Environmental Sample #1	2283
ST-267	KAFB-267-03-0911	011A	P277938	27266	Normal Environmental Sample #1	2284
ST-267	KAFB-267-04-0406	011A			Normal Environmental Sample #1	2294
ST-267	KAFB-267-04-0406	011A	0365190005SA	036519	Normal Environmental Sample #1	2291
ST-267	KAFB-267-04-0406	011A	0365190005SA	940708J	Normal Environmental Sample #1	2296
ST-267	KAFB-267-04-0406	011A	P277939	27140	Normal Environmental Sample #1	2299
ST-267	KAFB-267-04-0406	011A	P277939	27158	Normal Environmental Sample #1	2297
ST-267	KAFB-267-04-0406	011A	P277939	27158	Normal Environmental Sample #1	2298
ST-267	KAFB-267-04-0406	011A	P277939	27160	Normal Environmental Sample #1	2295
ST-267	KAFB-267-04-0406	011A	P277939	27218	Normal Environmental Sample #1	2292
ST-267	KAFB-267-04-0406	011A	P277939	27266	Normal Environmental Sample #1	2293
ST-267	KAFB-267-04-0911	011A			Normal Environmental Sample #1	2294
ST-267	KAFB-267-04-0911	011A	0365190006MS	940708H	Normal Environmental Sample #1	2296
ST-267	KAFB-267-04-0911	011A	0365190006RA	036519	Normal Environmental Sample #1	2291
ST-267	KAFB-267-04-0911	011A	P277940	27140	Normal Environmental Sample #1	2299
ST-267	KAFB-267-04-0911	011A	P277940	27158	Normal Environmental Sample #1	2297
ST-267	KAFB-267-04-0911	011A	P277940	27158	Normal Environmental Sample #1	2298
ST-267	KAFB-267-04-0911	011A	P277940	27160	Normal Environmental Sample #1	2295
ST-267	KAFB-267-04-0911	011A	P277940	27218	Normal Environmental Sample #1	2292
ST-267	KAFB-267-04-0911	011A	P277940	27287	Normal Environmental Sample #1	2293
ST-267	KAFB-EB-266-062494	011A	0364870002EB	940707J	Equipment Blank #1	2267
ST-267	KAFB-EB-266-062494	011A	0364870002EB	940707J	Equipment Blank #1	2269
ST-267	KAFB-EB-266-062494	011A	0364870002EB	940707J	Equipment Blank #1	2276
ST-267	KAFB-EB-266-062494	011A	0364870002EB	940707J	Equipment Blank #1	2278
ST-267	KAFB-EB-266-062494	011A	P277798	27076	Equipment Blank #1	2270
ST-267	KAFB-EB-266-062494	011A	P277798	27076	Equipment Blank #1	2271
ST-267	KAFB-EB-266-062494	011A	P277798	27076	Equipment Blank #1	2279
ST-267	KAFB-EB-266-062494	011A	P277798	27076	Equipment Blank #1	2280
ST-267	KAFB-EB-266-062494	011A	P277798	27078	Equipment Blank #1	2268
ST-267	KAFB-EB-266-062494	011A	P277798	27078	Equipment Blank #1	2277
ST-267	KAFB-EB-266-062494	011A	P277798	27082	Equipment Blank #1	2265
ST-267	KAFB-EB-266-062494	011A	P277798	27082	Equipment Blank #1	2274
ST-267	KAFB-EB-266-062494	011A	P277798	27090	Equipment Blank #1	2266
ST-267	KAFB-EB-266-062494	011A	P277798	27090	Equipment Blank #1	2275

KIRTLAND AFB - SAMPLE IDENTIFICATION (ID) CROSS-REFERENCE

Site	Field ID	Fld Lot	Lab ID	Lab Lot	Sample Description	Page
ST-267	KAFB-EB-266-062494	011A	P277798	28067	Equipment Blank #1	2267
ST-267	KAFB-EB-266-062494	011A	P277798	28067	Equipment Blank #1	2276
ST-267	KAFB-EB-267-062794	011A	0365190002EB	940708J	Equipment Blank #1	2285
ST-267	KAFB-EB-267-062794	011A	0365190002EB	940708J	Equipment Blank #1	2287
ST-267	KAFB-EB-267-062794	011A	0365190002EB	940708J	Equipment Blank #1	2294
ST-267	KAFB-EB-267-062794	011A	0365190002EB	940708J	Equipment Blank #1	2296
ST-267	KAFB-EB-267-062794	011A	P277936	27076	Equipment Blank #1	2288
ST-267	KAFB-EB-267-062794	011A	P277936	27076	Equipment Blank #1	2289
ST-267	KAFB-EB-267-062794	011A	P277936	27076	Equipment Blank #1	2297
ST-267	KAFB-EB-267-062794	011A	P277936	27076	Equipment Blank #1	2298
ST-267	KAFB-EB-267-062794	011A	P277936	27078	Equipment Blank #1	2286
ST-267	KAFB-EB-267-062794	011A	P277936	27078	Equipment Blank #1	2295
ST-267	KAFB-EB-267-062794	011A	P277936	27128	Equipment Blank #1	2283
ST-267	KAFB-EB-267-062794	011A	P277936	27128	Equipment Blank #1	2292
ST-267	KAFB-EB-267-062794,	011A	P277936	27314	Equipment Blank #1	2284
ST-267	KAFB-EB-267-062794	011A	P277936	27314	Equipment Blank #1	2293
ST-267	KAFB-EB-267-062794	011A	P277936	28105	Equipment Blank #1	2285
ST-267	KAFB-EB-267-062794	011A	P277936	28105	Equipment Blank #1	2294
ST-267	KAFB-TB-01-062494	011A	0364870001TB	940707J	Trip Blank #1	2267
ST-267	KAFB-TB-01-062494	011A	0364870001TB	940707J	Trip Blank #1	2269
ST-267	KAFB-TB-01-062494	011A	0364870001TB	940707J	Trip Blank #1	2276
ST-267	KAFB-TB-01-062494	011A	0364870001TB	940707J	Trip Blank #1	2278
ST-267	KAFB-TB-01-062794	011A	0365190001TB	940708J	Trip Blank #1	2285
ST-267	KAFB-TB-01-062794	011A	0365190001TB	940708J	Trip Blank #1	2287
ST-267	KAFB-TB-01-062794	011A	0365190001TB	940708J	Trip Blank #1	2294
ST-267	KAFB-TB-01-062794	011A	0365190001TB	940708J	Trip Blank #1	2296

C.L. 10/30/06
ARDOC # 3072
FILE

Kirtland Air Force Base
Albuquerque, New Mexico

RCRA Facility Investigation (RFI)
Stage 2B

Appendix G - Volume II of V

FINAL DRAFT - December 8, 1994

377 ABW/EMR
2000 Wyoming Blvd SE
Kirtland AFB, New Mexico 87117-5659

FILE

Kirtland Air Force Base
Albuquerque, New Mexico

RCRA Facility Investigation (RFI)
Stage 2B

Appendix G - Volume II of V

FINAL DRAFT - December 8, 1994

377 ABW/EMR
2000 Wyoming Blvd SE
Kirtland AFB, New Mexico 87117-5659

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- K.1 Laboratory Quality Control - Sample Acceptance Criteria and Instrument Detection Limit
  - K.1.a Ceimic Laboratory QC
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- K.2 Field Equipment Calibration Logs
- K.3 Data Validation Memos
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Appendix L Quality Assurance and Quality Control for Production of Documents

APPENDIX G

Appendix G is divided into two sections:

- ***Section 1—Sample Identification Cross-Reference Table***. Data in this table allow correlation of Quality Control samples with specific environmental samples. It also contains data that link specific field Quality Control samples (trip blanks, equipment blanks, and ambient condition blanks) with specified environmental samples. This section appears in Volume 1 of 5 of Appendix G.

- ***Section 2—Analytical Data Summary***. This section lists the sample results from each site, analytical method, and sample matrix. This table also includes information about any data which were qualified during the data validation procedures. This section appears in Volumes 2 through 5 of Appendix G.

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-201: Oil/Water Separator Building 255
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-201-01-0608 Lab ID: 0347900005SA	Field ID: KAFB-201-01-1113 Lab ID: 0347900009SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		19.0000	18.0000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-201: Oil/Water Separator Building 255
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: *Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-201-01-0608 Lab ID: P269529	Field ID: KAFB-201-01-1113 Lab ID: P269529	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-204-04129 Lab ID: P269522	Ambient Blank Field ID: Lab ID:	Lab ID: P270600
ALUMINUM	2.0000	50.0000		9800.0000	8320.0000			0.0000 ND		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	7.1000	8.7000			0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	863.0000	217.0000			0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.4800	0.4300			0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.9500	0.0000 ND			0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		67600.0000	4480.0000			0.0000 ND		0.0000 ND
CHROMIUM, TOTAL	1.0000	7.0000		8.3000	8.6000			0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		4.9000	7.4000			0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		86.7000	111.0000			5.0000		0.0000 ND
IRON	0.8000	7.0000		11700.0000	14300.0000			43.0000		0.0000 ND
LEAD	3.0000	50.0000	400.0000	4.3000	5.5000			0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		5370.0000	4570.0000			0.0000 ND		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	223.0000	222.0000			0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	9.9000	9.6000			0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		1700.0000	1430.0000			0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		115.0000	82.2000			83.0000		0.0000 ND
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	37.9000	41.0000			0.0000 ND		0.5000
ZINC	0.7000	2.0000	24000.00	50.5000	67.4000			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-201: Oil/Water Separator Building 255
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-201-01-0608 Lab ID: P269528	Field ID: KAFB-201-01-1113 Lab ID: P269529	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-204-04129 Lab ID: P269522	Ambient Blank Field ID: Lab ID:	Lab ID: P271647
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-201: Oil/Water Separator Building 255
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-201-01-0608 Lab ID:	Field ID: KAFB-201-01-1113 Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-204-04129 Lab ID: P269522	Ambient Blank Field ID: Lab ID:	Lab ID:
GASOLINE COMPONENTS	100.0000	1.0000		0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-201: Oil/Water Separator Building 255
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-201-01-0608 Lab ID: P269528	Field ID: KAFB-201-01-1113 Lab ID: P269529	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-204-04129 Lab ID: P269522	Ambient Blank Field ID: Lab ID:	Lab ID: P270581
DIESEL COMPONENTS	70.0000	10.0000		1100.0000	1100.0000			130.0000		0.0000 ND
PENTACOSANE	N/A	N/A		3060.0000	2960.0000			119.0000		3570.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-201: Oil/Water Separator Building 255
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-201-01-0608 Lab ID: 0347900005SA	Field ID: KAFB-201-01-1113 Lab ID: 0347900009SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-041294 Lab ID: 0347900001TB	Equipment Blank Field ID: KAFB-EB-204-04129 Lab ID: 0347900002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0003	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0009	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0005	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0004	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0006	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0004	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		100.0000 %	100.0000 %		95.0000 %	94.0000 %		
1,2-DICHLOROPROPANE	0.0003	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		99.0000 %	105.0000 %		97.0000 %	99.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0054	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0012	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ACETONE	0.0039	0.1000	8000.000	0.0130	0.0000 ND		0.0000 ND	0.0000 ND		
BENZENE	0.0002	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0002	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0006	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0004	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0008	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0003	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0002	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0010	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0002	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0006	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0004	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0002	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0022	0.1000	48000.00	0.0014 TR	0.0022 TR		0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0012	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0003	0.0050	93.3000	0.0021 TR	0.0025 TR		0.0000 ND	0.0000 ND		
STYRENE	0.0002	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0002	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0003	0.0050	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		102.0000 %	88.0000 %		102.0000 %	103.0000 %		
TRICHLOROETHYLENE (TCE)	0.0003	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0007	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0004	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0007	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0007	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0009	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0003	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-201: Oil/Water Separator Building 255
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-201-01-0608 Lab ID: P269528	Field ID: KAFB-201-01-1113 Lab ID: P269529	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-204-04129 Lab ID: P269522	Ambient Blank Field ID: Lab ID:	Lab ID: P270538
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		71.0000	70.0000			77.0000		83.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		42.0000	43.0000			44.0000		43.0000
2-FLUOROPHENOL	N/A	N/A		72.0000	70.0000			32.0000		83.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-201: Oil/Water Separator Building 255
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-201-01-0608 Lab ID: P269528	Field ID: KAFB-201-01-1113 Lab ID: P269529	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-204-04129 Lab ID: P269522	Ambient Blank Field ID: Lab ID:	Lab ID: P270538
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		39.0000	40.0000			44.0000		41.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		82.0000	80.0000			42.0000		92.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		55.0000	53.0000			57.0000		56.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	100.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-201: Oil/Water Separator Building 255
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-201-01-0608 Lab ID: P269528	Field ID: KAFB-201-01-1113 Lab ID: P269529	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.1000	8.2000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-201: Oil/Water Separator Building 255
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-201-02-0608 Lab ID: 0347900012SA	Field ID: KAFB-201-02-1113 Lab ID: 0347900013SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		16.0000	11.0000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-201: Oil/Water Separator Building 255
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: *Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-201-02-0608 Lab ID: P269620	Field ID: KAFB-201-02-1113 Lab ID: P269621	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-201-04139 Lab ID: P269619	Ambient Blank Field ID: Lab ID:	Lab ID: P270600
ALUMINUM	2.0000	50.0000		13500.0000	8870.0000			0.0000 ND		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	1530.0000	59.2000			0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.8300	0.4400			0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.7700			0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		42900.0000	22700.0000			113.0000		0.0000 ND
CHROMIUM, TOTAL	1.0000	7.0000		11.4000	8.0000			0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		8.9000	6.5000			0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		20.9000	19.5000			4.0000		0.0000 ND
IRON	0.8000	7.0000		17600.0000	14200.0000			16.0000		0.0000 ND
LEAD	3.0000	50.0000	400.0000	9.2000	7.4000			0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		6950.0000	4610.0000			0.0000 ND		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	404.0000	266.0000			0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	15.0000	8.8000			0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		2490.0000	2000.0000			0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		141.0000	90.2000			104.0000		0.0000 ND
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	50.3000	33.8000			0.0000 ND		0.5000
ZINC	0.7000	2.0000	24000.00	49.0000	38.9000			10.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-201: Oil/Water Separator Building 255
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-201-02-0608 Lab ID: P269620	Field ID: KAFB-201-02-1113 Lab ID: P269621	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-201-04139 Lab ID: P269619	Ambient Blank Field ID: Lab ID:	Lab ID: P272658
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-201: Oil/Water Separator Building 255
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-201-02-0608 Lab ID:	Field ID: KAFB-201-02-1113 Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-201-04139 Lab ID: P269619	Ambient Blank Field ID: Lab ID:	Lab ID:
GASOLINE COMPONENTS	100.0000	1.0000		0.0000 ND	210.0000			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-201: Oil/Water Separator Building 255
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-201-02-0608 Lab ID: P269620	Field ID: KAFB-201-02-1113 Lab ID: P269621	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-201-04139 Lab ID: P269619	Ambient Blank Field ID: Lab ID:	Lab ID: P276104
DIESEL COMPONENTS	70.0000	10.0000		1200.0000	1600.0000			350.0000		0.0000
PENTACOSANE	N/A	N/A		2790.0000	2860.0000			91.0000		0.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-201: Oil/Water Separator Building 255
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-201-02-0608 Lab ID: 0347900012SA	Field ID: KAFB-201-02-1113 Lab ID: 0347900013SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-041394 Lab ID: 0347900010TB	Equipment Blank Field ID: KAFB-EB-201-04139 Lab ID: 0347900011EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0003	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0009	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0005	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0004	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0006	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0004	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		100.0000 %	94.0000 %		93.0000 %	96.0000 %		
1,2-DICHLOROPROPANE	0.0003	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		100.0000 %	102.0000 %		96.0000 %	100.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0054	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0012	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ACETONE	0.0039	0.1000	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BENZENE	0.0002	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0002	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0006	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0004	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0008	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0003	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0002	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0010	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0002	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0006	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0004	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0002	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0022	0.1000	48000.00	0.0000 ND	0.0000 ND		0.0000 ND	1.3000 TR		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0012	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0003	0.0050	93.3000	0.0027 TR	0.0020 TR		0.0000 ND	0.0000 ND		
STYRENE	0.0002	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0002	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0003	0.0050	16000.00	0.0000 ND	0.0034		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		102.0000 %	100.0000 %		100.0000 %	100.0000 %		
TRICHLOROETHYLENE (TCE)	0.0003	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0007	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0004	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0007	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0007	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0009	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0003	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-201: Oil/Water Separator Building 255
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-201-02-0608 Lab ID: P269620	Field ID: KAFB-201-02-1113 Lab ID: P269621	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-201-04139 Lab ID: P269619	Ambient Blank Field ID: Lab ID:	Lab ID: P270540
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		66.0000	78.0000			92.0000		84.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		37.0000	43.0000			45.0000		43.0000
2-FLUOROPHENOL	N/A	N/A		72.0000	72.0000			56.0000		75.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-201: Oil/Water Separator Building 255
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-201-02-0608 Lab ID: P269620	Field ID: KAFB-201-02-1113 Lab ID: P269621	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-201-04139 Lab ID: P269619	Ambient Blank Field ID: Lab ID:	Lab ID: P270540
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		35.0000	42.0000			45.0000		40.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		80.0000	80.0000			41.0000		82.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		51.0000	54.0000			55.0000		52.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	100.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-201: Oil/Water Separator Building 255
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-201-02-0608 Lab ID: P269620	Field ID: Lab ID: P269620	Field ID: KAFB-201-02-1113 Lab ID: P269621	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.5000		8.3000				

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-201: Oil/Water Separator Building 255
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-201-03-0608 Lab ID: 0347900014SA	Field ID: KAFB-201-03-1113 Lab ID: 0347900015SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		15.0000	8.3000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-201: Oil/Water Separator Building 255
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-201-03-0608 Lab ID: P269622	Field ID: KAFB-201-03-1113 Lab ID: P269623	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-201-04139 Lab ID: P269619	Ambient Blank Field ID: Lab ID:	Lab ID: P270600
ALUMINUM	2.0000	50.0000		10800.0000	8020.0000			0.0000 ND		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	115.0000	118.0000			0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.6800	0.4300			0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		43600.0000	11400.0000			113.0000		0.0000 ND
CHROMIUM, TOTAL	1.0000	7.0000		9.3000	7.1000			0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		6.5000	6.0000			0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		14.2000	23.5000			4.0000		0.0000 ND
IRON	0.8000	7.0000		14100.0000	12200.0000			16.0000		0.0000 ND
LEAD	3.0000	50.0000	400.0000	7.5000	7.3000			0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		5780.0000	3990.0000			0.0000 ND		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	250.0000	250.0000			0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	9.3000	6.3000			0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		1520.0000	1760.0000			0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		158.0000	93.5000			104.0000		0.0000 ND
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	44.1000	28.6000			0.0000 ND		0.5000
ZINC	0.7000	2.0000	24000.00	36.5000	39.7000			10.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-201: Oil/Water Separator Building 255
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-201-03-0608 Lab ID: P269622	Field ID: KAFB-201-03-1113 Lab ID: P269623	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-201-04139 Lab ID: P269619	Ambient Blank Field ID: Lab ID:	Lab ID: P272658
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-201: Oil/Water Separator Building 255
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-201-03-0608 Lab ID:	Field ID: KAFB-201-03-1113 Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-201-04139 Lab ID: P269619	Ambient Blank Field ID: Lab ID:	Lab ID:
GASOLINE COMPONENTS	100.0000	1.0000		280.0000	320.0000			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-201: Oil/Water Separator Building 255
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-201-03-0608 Lab ID: P269622	Field ID: KAFB-201-03-1113 Lab ID: P269623	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-201-04139 Lab ID: P269619	Ambient Blank Field ID: Lab ID:	Lab ID: P276100
DIESEL COMPONENTS	70.0000	10.0000		1000.0000	1600.0000			350.0000		0.0000 ND
PENTACOSANE	N/A	N/A		2750.0000	2890.0000			91.0000		3900.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-201: Oil/Water Separator Building 255
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-201-03-0608 Lab ID: 0347900014SA	Field ID: KAFB-201-03-1113 Lab ID: 0347900015SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-041394 Lab ID: 0347900010TB	Equipment Blank Field ID: KAFB-EB-201-04139 Lab ID: 0347900011EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0003	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0009	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0005	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0004	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0006	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0004	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		96.0000 %	98.0000 %		93.0000 %	96.0000 %		
1,2-DICHLOROPROPANE	0.0003	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		101.0000 %	99.0000 %		96.0000 %	100.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0054	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0012	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ACETONE	0.0039	0.1000	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BENZENE	0.0002	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0002	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0006	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0004	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0008	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0003	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0002	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0010	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0002	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0006	0.0100		0.0000 ND	0.0032 TR		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0004	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0002	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0022	0.1000	48000.00	0.0079 TR	0.0000 ND		0.0000 ND	1.3000 TR		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0012	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0003	0.0050	93.3000	0.0027 TR	0.0028 TR		0.0000 ND	0.0000 ND		
STYRENE	0.0002	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0002	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0003	0.0050	16000.00	0.0000 ND	0.0018 TR		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		103.0000 %	100.0000 %		100.0000 %	100.0000 %		
TRICHLOROETHYLENE (TCE)	0.0003	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0007	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0004	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0007	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0007	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0009	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0003	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-201: Oil/Water Separator Building 255
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-201-03-0608 Lab ID: P269622	Field ID: KAFB-201-03-1113 Lab ID: P269623	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-201-04139 Lab ID: P269619	Ambient Blank Field ID: Lab ID:	Lab ID: P270540
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		77.0000	76.0000			92.0000		84.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		41.0000	39.0000			45.0000		43.0000
2-FLUOROPHENOL	N/A	N/A		76.0000	69.0000			56.0000		75.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-201: Oil/Water Separator Building 255
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-201-03-0608 Lab ID: P269622	Field ID: KAFB-201-03-1113 Lab ID: P269623	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-201-04139 Lab ID: P269619	Ambient Blank Field ID: Lab ID:	Lab ID: P270540
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	230.0000	220.0000			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		41.0000	42.0000			45.0000		40.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		84.0000	77.0000			41.0000		82.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		54.0000	50.0000			55.0000		52.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	100.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-201: Oil/Water Separator Building 255
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-201-03-0608 Lab ID: P269622	Field ID: KAFB-201-03-1113 Lab ID: P269623	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.2000	8.3000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-202: Sediment Trap Building 334
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-202-01-0710 Lab ID: P269511	Field ID: KAFB-202-01-1214 Lab ID: P269512	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID: P270628
SOLIDS, PERCENT	N/A	N/A		80.4000	90.9000					100.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-202: Sediment Trap Building 334
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: *Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-202-01-0710 Lab ID: ?????????	Field ID: KAFB-202-01-1214 Lab ID: ?????????	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-202-04119 Lab ID: P269520	Ambient Blank Field ID: Lab ID:	Lab ID:
ALUMINUM	2.0000	50.0000		8290.0000	9940.0000			0.0000 ND		
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		
BARIUM	0.2000	2.0000	5600.000	300.0000	113.0000			0.0000 ND		
BERYLLIUM	0.2000	0.3000	16.3000	0.5000	0.5500			0.0000 ND		
CADMIUM	0.5000	4.0000	40.0000	0.7500	0.8800			0.0000 ND		
CALCIUM	2.0000	10.0000		85000.0000	28500.0000			39.0000		
CHROMIUM, TOTAL	1.0000	7.0000		13.1000	12.0000			0.0000 ND		
COBALT	1.0000	7.0000		3.6000	7.6000			0.0000 ND		
COPPER	0.1000	6.0000		46.9000	148.0000			5.0000		
IRON	0.8000	7.0000		9410.0000	15800.0000			20.0000		
LEAD	3.0000	50.0000	400.0000	38.9000	7.5000			0.0000 ND		
MAGNESIUM	3.0000	30.0000		4050.0000	4960.0000			0.0000 ND		
MANGANESE	0.3000	2.0000	400.0000	120.0000	272.0000			0.0000 ND		
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		
NICKEL	3.0000	15.0000	1600.000	8.7000	14.5000			0.0000 ND		
POTASSIUM	20.0000	500.0000		1720.0000	2290.0000			0.0000 ND		
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		
SODIUM	3.0000	30.0000		87.3000	91.3000			106.0000		
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		
VANADIUM	0.4000	8.0000	720.0000	22.3000	36.7000			0.0000 ND		
ZINC	0.7000	2.0000	24000.00	65.0000	83.9000			26.0000		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-202: Sediment Trap Building 334
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-202-01-0710 Lab ID: P269511	Field ID: KAFB-202-01-1214 Lab ID: P269512	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-202-04119 Lab ID: P269520	Ambient Blank Field ID: Lab ID:	Lab ID: P271645
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-202: Sediment Trap Building 334
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-202-01-0710 Lab ID:	Field ID: KAFB-202-01-1214 Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-202-04119 Lab ID: P269520	Ambient Blank Field ID: Lab ID:	Lab ID:
GASOLINE COMPONENTS	100.0000	1.0000		140.0000	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-202: Sediment Trap Building 334
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-202-01-0710 Lab ID: P269511	Field ID: KAFB-202-01-1214 Lab ID: P269512	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-202-04119 Lab ID: P269520	Ambient Blank Field ID: Lab ID:	Lab ID: P270581
DIESEL COMPONENTS	70.0000	10.0000		100000.0000	800.0000			100.0000		0.0000 ND
PENTACOSANE	N/A	N/A		2060.0000	3470.0000			124.0000		3570.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-202: Sediment Trap Building 334
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-202-01-0710 Lab ID: P269511	Field ID: KAFB-202-01-1214 Lab ID: P269512	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-041194 Lab ID: P269519	Equipment Blank Field ID: KAFB-EB-202-04119 Lab ID: P269520	Ambient Blank Field ID: Lab ID:	Lab ID: P275219
1,1,1-TRICHLOROETHANE	4.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
1,1,2,2-TETRACHLOROETHANE	3.0000	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
1,1,2-TRICHLOROETHANE	2.0000	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
1,1-DICHLOROETHANE	3.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
1,1-DICHLOROETHENE	6.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
1,2-DICHLOROETHANE	2.0000	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
1,2-DICHLOROETHANE-D4	N/A	N/A		54.0000	47.0000		40.0000 =	41.0000		0.0000
1,2-DICHLOROPROPANE	2.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		70.0000	62.0000		49.0000 =	49.0000		0.0000
2-CHLOROETHYL VINYL ETHER	3.0000	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
2-HEXANONE	4.0000	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
ACETONE	4.0000	0.1000	8000.000	16.0000	6.0000		0.0000 ND	0.0000 ND		7.0000
BENZENE	2.0000	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
BROMODICHLOROMETHANE	1.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
BROMOFORM	3.0000	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
BROMOMETHANE	2.0000	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
CARBON DISULFIDE	6.0000	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
CARBON TETRACHLORIDE	6.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
CHLOROBENZENE	1.0000	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
CHLOROETHANE	3.0000	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
CHLOROFORM	2.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
CHLOROMETHANE	3.0000	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
DIBROMOCHLOROMETHANE	2.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
ETHYLBENZENE	2.0000	0.0050	8000.000	4.0000	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
M,P-XYLENE (SUM OF ISOMERS)	2.0000	N/A		12.0000	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
METHYL ETHYL KETONE (2-BUTANONE)	9.0000	0.1000	48000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	3.0000	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
METHYLENE CHLORIDE	3.0000	0.0050	93.3000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
O-XYLENE (1,2-DIMETHYLBENZENE)	2.0000	N/A		8.0000	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
STYRENE	2.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
TETRACHLOROETHYLENE(PCE)	3.0000	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
TOLUENE	2.0000	0.0050	16000.00	4.0000	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
TOLUENE-D8	N/A	0.0050		68.0000	62.0000		55.0000 =	54.0000		0.0000
TRICHLOROETHYLENE (TCE)	2.0000	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
VINYL ACETATE	3.0000	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
VINYL CHLORIDE	4.0000	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
cis-1,3-DICHLOROPROPENE	2.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
trans-1,2-DICHLOROETHENE	4.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
trans-1,3-DICHLOROPROPENE	3.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-202: Sediment Trap Building 334
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-202-01-0710 Lab ID: P269511	Field ID: KAFB-202-01-1214 Lab ID: P269512	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-202-04119 Lab ID: P269520	Ambient Blank Field ID: Lab ID:	Lab ID: P270538
1,2,4-TRICHLOROBENZENE	400.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	400.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	460.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	460.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	540.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		84.0000	69.0000			86.0000		83.0000
2,4,6-TRICHLOROPHENOL	340.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	260.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	400.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	600.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	400.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	460.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	340.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	260.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		42.0000	42.0000			46.0000		43.0000
2-FLUOROPHENOL	N/A	N/A		88.0000	74.0000			57.0000		83.0000
2-METHYLNAPHTHALENE	260.0000	0.7000	3200.000	760.0000	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	340.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	340.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	260.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	340.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	400.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	460.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	400.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	260.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	400.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	260.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	340.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	340.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHENE	340.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	340.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	400.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	400.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	400.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	600.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	540.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	600.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZOIC ACID	1140.000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL ALCOHOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	540.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-202: Sediment Trap Building 334
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-202-01-0710 Lab ID: P269511	Field ID: KAFB-202-01-1214 Lab ID: P269512	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-202-04119 Lab ID: P269520	Ambient Blank Field ID: Lab ID:	Lab ID: P270538
CHRYSENE	400.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	400.0000	0.7000	8000.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	600.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	540.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	340.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	460.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	460.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	460.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	340.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	400.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	460.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	540.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	540.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	540.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	340.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	260.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	460.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	340.0000	0.7000	3200.000	490.0000	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	260.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		42.0000	38.0000			46.0000		41.0000
PENTACHLOROPHENOL	460.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	460.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	260.0000	0.3000	48000.00	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		94.0000	85.0000			44.0000		92.0000
PYRENE	460.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		50.0000	49.0000			56.0000		56.0000
bis(2-CHLOROETHOXY) METHANE	340.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	260.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	1340.000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-202: Sediment Trap Building 334
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-202-01-0710 Lab ID: P269511	Field ID: Lab ID: P269511	Field ID: KAFB-202-01-1214 Lab ID: P269512	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.2000		8.4000				

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-203: Oil/Water Separator Building 334
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-203-01-0608 Lab ID: 0347920016SA	Field ID: KAFB-203-01-1115 Lab ID: 0347920011FD	Field ID: KAFB-203-99-1115 Lab ID: 0347920011FD	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		12.0000	12.0000	5.2000				

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-203: Oil/Water Separator Building 334
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-203-01-0608 Lab ID: P269382	Field ID: KAFB-203-01-1115 Lab ID: P269383	Field ID: KAFB-203-99-1115 Lab ID: P269383	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-206-04079 Lab ID: P269376	Ambient Blank Field ID: Lab ID:	Lab ID: P270432
ALUMINUM	2.0000	50.0000		3440.0000	8580.0000	6900.0000		39.0000		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	179.0000	73.7000	51.5000		0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.2100	0.5500	0.4200		0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.8300	0.0000 ND	0.7400		0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		97200.0000	20900.0000	16100.0000		49.0000		4.8000
CHROMIUM, TOTAL	1.0000	7.0000		15.9000	9.5000	5.9000		0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		2.1000	6.8000	6.8000		0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		322.0000	36.4000	163.0000		6.0000		0.0000 ND
IRON	0.8000	7.0000		5550.0000	15000.0000	13500.0000		46.0000		0.0000 ND
LEAD	3.0000	50.0000	400.0000	63.6000	6.6000	6.6000		0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		2220.0000	5060.0000	4490.0000		137.0000		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	197.0000	273.0000	278.0000		0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	121.0000	10.3000	8.6000		0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		716.0000	2170.0000	2020.0000		0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		158.0000	140.0000	115.0000		108.0000		0.0000 ND
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	12.0000	33.7000	30.5000		4.0000		0.0000 ND
ZINC	0.7000	2.0000	24000.00	136.0000	48.0000	82.5000		8.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-203: Oil/Water Separator Building 334
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-203-01-0608 Lab ID: P269382	Field ID: KAFB-203-01-1115 Lab ID: P269383	Field ID: KAFB-203-99-1115 Lab ID: P269383	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-206-04079 Lab ID: P269376	Ambient Blank Field ID: Lab ID:	Lab ID: P271645
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-203: Oil/Water Separator Building 334
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-203-01-0608 Lab ID:	Field ID: KAFB-203-01-1115 Lab ID:	Field ID: KAFB-203-99-1115 Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-206-04079 Lab ID: P269376	Ambient Blank Field ID: Lab ID:	Lab ID:
GASOLINE COMPONENTS	100.0000	1.0000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-203: Oil/Water Separator Building 334
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-203-01-0608 Lab ID: P269382	Field ID: KAFB-203-01-1115 Lab ID: P269383	Field ID: KAFB-203-99-1115 Lab ID: P269383	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-206-04079 Lab ID: P269376	Ambient Blank Field ID: Lab ID:	Lab ID: P270265
DIESEL COMPONENTS	700.0000	10.0000		0.0000 ND	48000.0000	2300.0000		0.0000 ND		0.0000 ND
PENTACOSANE	N/A	N/A		2700.0000	3030.0000	4080.0000		113.0000		3880.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-203: Oil/Water Separator Building 334
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-203-01-0608 Lab ID: 0347920016SA	Field ID: KAFB-203-01-1115 Lab ID: 0347920011FD	Field ID: KAFB-203-99-1115 Lab ID: 0347920011FD	Trip Blank Field ID: KAFB-TB-01-040794 Lab ID: 0347920021TB	Equipment Blank Field ID: KAFB-EB-206-04079 Lab ID: 0347920020EB	Ambient Blank Field ID: KAFB-AB-203-04079 Lab ID: 0347920019AB	Lab ID:
1,1,1-TRICHLOROETHANE	0.0003	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
1,1,2,2-TETRACHLOROETHANE	0.0009	0.0050	35.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
1,1,2-TRICHLOROETHANE	0.0005	0.0050	123.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
1,1-DICHLOROETHANE	0.0004	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
1,1-DICHLOROETHENE	0.0006	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
1,2-DICHLOROETHANE	0.0004	0.0050	7.6900	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
1,2-DICHLOROETHANE-D4	N/A	N/A		97.0000 %	108.0000 %	102.0000 %	106.0000 %	100.0000 %	98.0000 %	
1,2-DICHLOROPROPANE	0.0003	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		100.0000 %	103.0000 %	102.0000 %	101.0000 %	102.0000 %	101.0000 %	
2-CHLOROETHYL VINYL ETHER	0.0054	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
2-HEXANONE	0.0012	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
ACETONE	0.0039	0.1000	8000.000	0.0099 TR	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	5.4000 TR	
BENZENE	0.0002	0.0050	24.1000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
BROMODICHLOROMETHANE	0.0002	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
BROMOFORM	0.0006	0.0050	88.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
BROMOMETHANE	0.0004	0.0100	32.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
CARBON DISULFIDE	0.0008	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
CARBON TETRACHLORIDE	0.0003	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
CHLOROBENZENE	0.0002	N/A	2160.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
CHLOROETHANE	0.0010	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
CHLOROFORM	0.0002	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
CHLOROMETHANE	0.0006	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
DIBROMOCHLOROMETHANE	0.0004	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
ETHYLBENZENE	0.0002	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
METHYL ETHYL KETONE (2-BUTANONE)	0.0022	0.1000	48000.00	0.0052 TR	0.0000 ND	0.0000 ND	0.0000 ND	1.3000 TR	1.8000 TR	
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0012	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
METHYLENE CHLORIDE	0.0003	0.0050	93.3000	0.0021 TR	0.0000 ND	0.0000 ND	0.0000 ND	1.1000 TR	0.0000 ND	
STYRENE	0.0002	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
TETRACHLOROETHYLENE(PCE)	0.0002	0.0050	800.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
TOLUENE	0.0003	0.0050	16000.00	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
TOLUENE-D8	N/A	0.0050		102.0000 %	100.0000 %	101.0000 %	99.0000 %	98.0000 %	98.0000 %	
TRICHLOROETHYLENE (TCE)	0.0003	0.0050	63.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
VINYL ACETATE	0.0007	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
VINYL CHLORIDE	0.0004	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
XYLENES, TOTAL	0.0007	0.0050	160000.0	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
cis-1,3-DICHLOROPROPENE	0.0007	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
trans-1,2-DICHLOROETHENE	0.0009	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
trans-1,3-DICHLOROPROPENE	0.0003	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-203: Oil/Water Separator Building 334
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-203-01-0608 Lab ID: P269382	Field ID: KAFB-203-01-1115 Lab ID: P269383	Field ID: KAFB-203-99-1115 Lab ID: P269383	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-206-04079 Lab ID: P269376	Ambient Blank Field ID: Lab ID:	Lab ID: P270263
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		63.0000	73.0000	68.0000		83.0000		0.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		41.0000	42.0000	39.0000		45.0000		0.0000
2-FLUOROPHENOL	N/A	N/A		64.0000	74.0000	69.0000		47.0000		0.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-203: Oil/Water Separator Building 334
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-203-01-0608 Lab ID: P269382	Field ID: KAFB-203-01-1115 Lab ID: P269383	Field ID: KAFB-203-99-1115 Lab ID: P269383	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-206-04079 Lab ID: P269376	Ambient Blank Field ID: Lab ID:	Lab ID: P270263
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	250.0000	310.0000	230.0000		0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		40.0000	35.0000	39.0000		42.0000		0.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		74.0000	85.0000	81.0000		36.0000		0.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		49.0000	52.0000	48.0000		51.0000		0.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	100.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND	4300.0000		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-203: Oil/Water Separator Building 334
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-203-01-0608 Lab ID: P269382	Field ID: KAFB-203-01-1115 Lab ID: P269383	Field ID: KAFB-203-99-1115 Lab ID: P269383	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.5000	8.4000	8.4000				

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-203: Oil/Water Separator Building 334
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-203-02-0608 Lab ID: P269513	Field ID: KAFB-203-02-1113 Lab ID: P269514	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID: P270628
SOLIDS, PERCENT	N/A	N/A		88.3000	94.3000					100.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-203: Oil/Water Separator Building 334
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-203-02-0608 Lab ID: P269513	Field ID: KAFB-203-02-1113 Lab ID: P269514	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-202-04119 Lab ID: P269520	Ambient Blank Field ID: Lab ID:	Lab ID: P270495
ALUMINUM	2.0000	50.0000		8710.0000	7000.0000			0.0000 ND		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	209.0000	81.2000			0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.5700	0.4200			0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	5.2000			39.0000		0.0000 ND
CALCIUM	2.0000	10.0000		23600.0000	23000.0000			0.0000 ND		0.0000 ND
CHROMIUM, TOTAL	1.0000	7.0000		9.1000	15.3000			0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		4.9000	5.0000			5.0000		0.0000 ND
COPPER	0.1000	6.0000		29.3000	301.0000			20.0000		1.4000
IRON	0.8000	7.0000		11200.0000	10900.0000			0.0000 ND		0.0000 ND
LEAD	3.0000	50.0000	400.0000	6.7000	112.0000			0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		4300.0000	3270.0000			0.0000 ND		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	149.0000	204.0000			0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	9.2000	96.5000			0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		1520.0000	1430.0000			0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			106.0000		0.0000 ND
SODIUM	3.0000	30.0000		66.4000	140.0000			0.0000 ND		0.0000 ND
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	32.4000	25.5000			26.0000		0.0000 ND
ZINC	0.7000	2.0000	24000.00	35.8000	149.0000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-203: Oil/Water Separator Building 334
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-203-02-0608 Lab ID: P269513	Field ID: KAFB-203-02-1113 Lab ID: P269514	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-202-04119 Lab ID: P269520	Ambient Blank Field ID: Lab ID:	Lab ID: P271645
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-203: Oil/Water Separator Building 334
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-203-02-0608 Lab ID:	Field ID: KAFB-203-02-1113 Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-202-04119 Lab ID: P269520	Ambient Blank Field ID: Lab ID:	Lab ID:
GASOLINE COMPONENTS	100.0000	1.0000		0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-203: Oil/Water Separator Building 334
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-203-02-0608 Lab ID: P269513	Field ID: KAFB-203-02-1113 Lab ID: P269514	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-202-04119 Lab ID: P269520	Ambient Blank Field ID: Lab ID:	Lab ID: P270581
DIESEL COMPONENTS	70.0000	10.0000		1200.0000	18000.0000			100.0000		0.0000 ND
PENTACOSANE	N/A	N/A		3128.0000	2788.0000			124.0000		3570.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-203: Oil/Water Separator Building 334
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-203-02-0608 Lab ID: P269513	Field ID: KAFB-203-02-1113 Lab ID: P269514	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-041194 Lab ID: P269519	Equipment Blank Field ID: KAFB-EB-202-04119 Lab ID: P269520	Ambient Blank Field ID: Lab ID:	Lab ID: P275221
1,1,1-TRICHLOROETHANE	4.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
1,1,2,2-TETRACHLOROETHANE	3.0000	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
1,1,2-TRICHLOROETHANE	2.0000	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
1,1-DICHLOROETHANE	3.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
1,1-DICHLOROETHENE	6.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
1,2-DICHLOROETHANE	2.0000	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
1,2-DICHLOROETHANE-D4	N/A	N/A		48.0000	45.0000		40.0000 =	41.0000		0.0000
1,2-DICHLOROPROPANE	2.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		57.0000	53.0000		49.0000 =	49.0000		0.0000
2-CHLOROETHYL VINYL ETHER	3.0000	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
2-HEXANONE	4.0000	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
ACETONE	4.0000	0.1000	8000.000	0.0000 ND	6.0000		0.0000 ND	0.0000 ND		7.0000
BENZENE	2.0000	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
BROMODICHLOROMETHANE	1.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
BROMOFORM	3.0000	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
BROMOMETHANE	2.0000	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
CARBON DISULFIDE	6.0000	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
CARBON TETRACHLORIDE	6.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
CHLOROBENZENE	1.0000	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
CHLOROETHANE	3.0000	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
CHLOROFORM	2.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
CHLOROMETHANE	3.0000	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
DIBROMOCHLOROMETHANE	2.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
ETHYLBENZENE	2.0000	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
M,P-XYLENE (SUM OF ISOMERS)	2.0000	N/A		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
METHYL ETHYL KETONE (2-BUTANONE)	9.0000	0.1000	48000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	3.0000	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
METHYLENE CHLORIDE	3.0000	0.0050	93.3000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
O-XYLENE (1,2-DIMETHYLBENZENE)	2.0000	N/A		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
STYRENE	2.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
TETRACHLOROETHYLENE(PCE)	3.0000	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
TOLUENE	2.0000	0.0050	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
TOLUENE-D8	N/A	0.0050		68.0000	62.0000		55.0000 =	54.0000		0.0000
TRICHLOROETHYLENE (TCE)	2.0000	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
VINYL ACETATE	3.0000	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
VINYL CHLORIDE	4.0000	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
cis-1,3-DICHLOROPROPENE	2.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
trans-1,2-DICHLOROETHENE	4.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
trans-1,3-DICHLOROPROPENE	3.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND

Base: KIRTLAND AFB
Site: ST-203: Oil/Water Separator Building 334
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

ANALYTCAL DATA SUMMARY

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-203-02-0608 Lab ID: P269513	Field ID: KAFB-203-02-1113 Lab ID: P269514	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-202-04119 Lab ID: P269520	Ambient Blank Field ID: Lab ID:	Lab ID: P270538
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		66.0000	78.0000			86.0000		83.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		42.0000	43.0000			46.0000		43.0000
2-FLUOROPHENOL	N/A	N/A		72.0000	76.0000			57.0000		83.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-203: Oil/Water Separator Building 334
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-203-02-0608 Lab ID: P269513	Field ID: KAFB-203-02-1113 Lab ID: P269514	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-202-04119 Lab ID: P269520	Ambient Blank Field ID: Lab ID:	Lab ID: P270538
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		38.0000	39.0000			46.0000		41.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		86.0000	89.0000			44.0000		92.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		49.0000	51.0000			56.0000		56.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	100.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

Base: KIRTLAND AFB
Site: ST-203: Oil/Water Separator Building 334
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

ANALYTCAL DATA SUMMARY

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-203-02-0608 Lab ID: P269513	Field ID: KAFB-203-02-1113 Lab ID: P269514	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.2000	8.3000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-203: Oil/Water Separator Building 334
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-203-03-0710 Lab ID: P269515	Field ID: Lab ID: P269515	Field ID: KAFB-203-03-1113 Lab ID: P269516	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID: P270628
SOLIDS, PERCENT	N/A	N/A		87.2000		89.0000				100.0000

Base: KIRTLAND AFB
Site: ST-203: Oil/Water Separator Building 334
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

ANALYTCAL DATA SUMMARY

Method Extraction: SW3005: *Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-203-03-0710 Lab ID: P269515	Field ID: KAFB-203-03-1113 Lab ID: P269516	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-202-04119 Lab ID: P269520	Ambient Blank Field ID: Lab ID:	Lab ID: P270495
ALUMINUM	2.0000	50.0000		13500.0000	9020.0000					
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	10.1000	0.0000 ND			0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	141.0000	43.6000			0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.6900	0.5600			0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	1.1000	0.7900			0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		31000.0000	19400.0000			0.0000 ND		0.0000 ND
CHROMIUM, TOTAL	1.0000	7.0000		13.4000	8.9000			39.0000		0.0000 ND
COBALT	1.0000	7.0000		7.9000	6.0000			0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		37.4000	50.2000			0.0000 ND		0.0000 ND
IRON	0.8000	7.0000		17300.0000	14400.0000			5.0000		0.0000 ND
LEAD	3.0000	50.0000	400.0000	6.1000	7.3000			20.0000		1.4000
MAGNESIUM	3.0000	30.0000		6680.0000	5380.0000			0.0000 ND		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	309.0000	309.0000			0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	10.1000	9.4000			0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		2310.0000	1840.0000			0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		246.0000	182.0000			0.0000 ND		0.0000 ND
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			106.0000		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	40.1000	33.4000			0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	52.6000	57.8000			0.0000 ND		0.0000 ND
								26.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-203: Oil/Water Separator Building 334
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-203-03-0710 Lab ID: P269515	Field ID: KAFB-203-03-1113 Lab ID: P269516	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-202-04119 Lab ID: P269520	Ambient Blank Field ID: Lab ID:	Lab ID: P271645
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-203: Oil/Water Separator Building 334
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-203-03-0710 Lab ID:	Field ID: KAFB-203-03-1113 Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-202-04119 Lab ID: P269520	Ambient Blank Field ID: Lab ID:	Lab ID:
GASOLINE COMPONENTS	100.0000	1.0000		0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-203: Oil/Water Separator Building 334
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-203-03-0710 Lab ID: P269515	Field ID: KAFB-203-03-1113 Lab ID: P269516	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-202-04119 Lab ID: P269520	Ambient Blank Field ID: Lab ID:	Lab ID: P270581
DIESEL COMPONENTS	70.0000	10.0000		1700.0000	1700.0000			100.0000		0.0000 ND
PENTACOSANE	N/A	N/A		3200.0000	2790.0000			124.0000		3570.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-203: Oil/Water Separator Building 334
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-203-03-0710 Lab ID: P269515	Field ID: KAFB-203-03-1113 Lab ID: P269516	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-041194 Lab ID: P269519	Equipment Blank Field ID: KAFB-EB-202-04119 Lab ID: P269520	Ambient Blank Field ID: Lab ID:	Lab ID: P275221
1,1,1-TRICHLOROETHANE	4.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
1,1,2,2-TETRACHLOROETHANE	3.0000	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
1,1,2-TRICHLOROETHANE	2.0000	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
1,1-DICHLOROETHANE	3.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
1,1-DICHLOROETHENE	6.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
1,2-DICHLOROETHANE	2.0000	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
1,2-DICHLOROETHANE-D4	N/A	N/A		49.0000	49.0000		40.0000 =	41.0000		0.0000
1,2-DICHLOROPROPANE	2.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		57.0000	59.0000		49.0000 =	49.0000		0.0000
2-CHLOROETHYL VINYL ETHER	3.0000	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
2-HEXANONE	4.0000	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
ACETONE	4.0000	0.1000	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		7.0000
BENZENE	2.0000	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
BROMODICHLOROMETHANE	1.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
BROMOFORM	3.0000	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
BROMOMETHANE	2.0000	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
CARBON DISULFIDE	6.0000	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
CARBON TETRACHLORIDE	6.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
CHLOROBENZENE	1.0000	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
CHLOROETHANE	3.0000	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
CHLOROFORM	2.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
CHLOROMETHANE	3.0000	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
DIBROMOCHLOROMETHANE	2.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
ETHYLBENZENE	2.0000	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
M,P-XYLENE (SUM OF ISOMERS)	2.0000	N/A		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
METHYL ETHYL KETONE (2-BUTANONE)	9.0000	0.1000	48000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	3.0000	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
METHYLENE CHLORIDE	3.0000	0.0050	93.3000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
O-XYLENE (1,2-DIMETHYLBENZENE)	2.0000	N/A		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
STYRENE	2.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
TETRACHLOROETHYLENE(PCE)	3.0000	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
TOLUENE	2.0000	0.0050	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
TOLUENE-D8	N/A	0.0050		65.0000	66.0000		55.0000 =	54.0000		0.0000
TRICHLOROETHYLENE (TCE)	2.0000	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
VINYL ACETATE	3.0000	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
VINYL CHLORIDE	4.0000	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
cis-1,3-DICHLOROPROPENE	2.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
trans-1,2-DICHLOROETHENE	4.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
trans-1,3-DICHLOROPROPENE	3.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-203: Oil/Water Separator Building 334
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-203-03-0710 Lab ID: P269515	Field ID: KAFB-203-03-1113 Lab ID: P269516	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-202-04119 Lab ID: P269520	Ambient Blank Field ID: Lab ID:	Lab ID: P270538
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		74.0000	73.0000			86.0000		83.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		41.0000	41.0000			46.0000		43.0000
2-FLUOROPHENOL	N/A	N/A		76.0000	75.0000			57.0000		83.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-203: Oil/Water Separator Building 334
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-203-03-0710 Lab ID: P269515	Field ID: KAFB-203-03-1113 Lab ID: P269516	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-202-04119 Lab ID: P269520	Ambient Blank Field ID: Lab ID:	Lab ID: P270538
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		39.0000	37.0000			46.0000		41.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	380.0000	210.0000			0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		88.0000	83.0000			44.0000		92.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		51.0000	53.0000			56.0000		56.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	100.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-203: Oil/Water Separator Building 334
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-203-03-0710 Lab ID: P269515	Field ID: KAFB-203-03-1113 Lab ID: P269516	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.6000	8.6000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-204: Oil/Water Separator Building 334
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-204-01-0608 Lab ID: 0347900007SA	Field ID: KAFB-204-01-1115 Lab ID: 0347900003FD	Field ID: KAFB-204-99-1115 Lab ID: 0347900003FD	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		12.0000	6.8000	12.0000				

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-204: Oil/Water Separator Building 334
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: *Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-204-01-0608 Lab ID: ?????????	Field ID: KAFB-204-01-1115 Lab ID: P269524	Field ID: KAFB-204-99-1115 Lab ID: P269524	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-204-04129 Lab ID: P269522	Ambient Blank Field ID: Lab ID:	Lab ID:
ALUMINUM	2.0000	50.0000		8450.0000	12100.0000	14100.0000		0.0000 ND		
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND	9.1000		0.0000 ND		
BARIUM	0.2000	2.0000	5600.000	55.7000	59.4000	64.0000		0.0000 ND		
BERYLLIUM	0.2000	0.3000	16.3000	0.4500	0.5700	0.7100		0.0000 ND		
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND	0.7100		0.0000 ND		
CALCIUM	2.0000	10.0000		82100.0000	16500.0000	42500.0000		0.0000 ND		
CHROMIUM, TOTAL	1.0000	7.0000		7.6000	10.6000	12.8000		0.0000 ND		
COBALT	1.0000	7.0000		5.4000	8.9000	8.8000		0.0000 ND		
COPPER	0.1000	6.0000		14.5000	34.2000	24.7000		5.0000		
IRON	0.8000	7.0000		11200.0000	17300.0000	17900.0000		43.0000		
LEAD	3.0000	50.0000	400.0000	7.2000	8.0000	9.7000		0.0000 ND		
MAGNESIUM	3.0000	30.0000		5100.0000	5860.0000	6440.0000		0.0000 ND		
MANGANESE	0.3000	2.0000	400.0000	215.0000	404.0000	474.0000		0.0000 ND		
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
NICKEL	3.0000	15.0000	1600.000	12.4000	13.1000	40.8000		0.0000 ND		
POTASSIUM	20.0000	500.0000		1560.0000	2660.0000	2760.0000		0.0000 ND		
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
SODIUM	3.0000	30.0000		93.2000	106.0000	104.0000		83.0000		
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
VANADIUM	0.4000	8.0000	720.0000	29.1000	40.1000	41.1000		0.0000 ND		
ZINC	0.7000	2.0000	24000.00	27.9000	50.6000	50.8000		0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-204: Oil/Water Separator Building 334
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-204-01-0608 Lab ID: P269523	Field ID: KAFB-204-01-1115 Lab ID: P269524	Field ID: KAFB-204-99-1115 Lab ID: P269524	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-204-04129 Lab ID: P269522	Ambient Blank Field ID: Lab ID:	Lab ID: P271647
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-204: Oil/Water Separator Building 334
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-204-01-0608 Lab ID:	Field ID: KAFB-204-01-1115 Lab ID:	Field ID: KAFB-204-99-1115 Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-204-04129 Lab ID: P269522	Ambient Blank Field ID: Lab ID:	Lab ID:
GASOLINE COMPONENTS	200.0000	1.0000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-204: Oil/Water Separator Building 334
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-204-01-0608 Lab ID: P269523	Field ID: KAFB-204-01-1115 Lab ID: P269524	Field ID: KAFB-204-99-1115 Lab ID: P269524	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-204-04129 Lab ID: P269522	Ambient Blank Field ID: Lab ID:	Lab ID: P270581
DIESEL COMPONENTS	70.0000	10.0000		760.0000	5700.0000	1300.0000		130.0000		0.0000 ND
PENTACOSANE	N/A	N/A		2414.0000	2410.0000	2720.0000		119.0000		3570.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-204: Oil/Water Separator Building 334
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-204-01-0608 Lab ID: 0347900007SA	Field ID: KAFB-204-01-1115 Lab ID: 0347900003FD	Field ID: KAFB-204-99-1115 Lab ID: 0347900003FD	Trip Blank Field ID: KAFB-TB-01-041294 Lab ID: 0347900001TB	Equipment Blank Field ID: KAFB-EB-204-04129 Lab ID: 0347900002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0003	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0009	0.0050	35.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0005	0.0050	123.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0004	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0006	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0004	0.0050	7.6900	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		97.0000 %	97.0000 %	98.0000 %	95.0000 %	94.0000 %		
1,2-DICHLOROPROPANE	0.0003	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		99.0000 %	97.0000 %	97.0000 %	97.0000 %	99.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0054	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
2-HEXANONE	0.0012	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ACETONE	0.0039	0.1000	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BENZENE	0.0002	0.0050	24.1000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0002	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMOFORM	0.0006	0.0050	88.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0004	0.0100	32.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0008	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0003	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0002	N/A	2160.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0010	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROFORM	0.0002	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0006	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0004	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0002	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0022	0.1000	48000.00	0.0000 ND	0.0000 ND	0.0014 TR	0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0012	0.0500		0.0000 ND	0.0000 ND	0.0012 TR	0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0003	0.0050	93.3000	0.0030 TR	0.0014 TR	0.0018 TR	0.0000 ND	0.0000 ND		
STYRENE	0.0002	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0002	0.0050	800.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TOLUENE	0.0003	0.0050	16000.00	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		101.0000 %	100.0000 %	100.0000 %	102.0000 %	103.0000 %		
TRICHLOROETHYLENE (TCE)	0.0003	0.0050	63.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0007	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0004	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0007	0.0050	160000.0	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0007	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0009	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0003	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		

Base: KIRTLAND AFB
Site: ST-204: Oil/Water Separator Building 334
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

ANALYTCAL DATA SUMMARY

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-204-01-0608 Lab ID: P269523	Field ID: KAFB-204-01-1115 Lab ID: P269524	Field ID: KAFB-204-99-1115 Lab ID: P269524	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-204-04129 Lab ID: P269522	Ambient Blank Field ID: Lab ID:	Lab ID: P270538
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		79.0000	71.0000	68.0000		77.0000		83.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		43.0000	42.0000	42.0000		44.0000		43.0000
2-FLUOROPHENOL	N/A	N/A		74.0000	74.0000	73.0000		32.0000		83.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-204: Oil/Water Separator Building 334
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-204-01-0608 Lab ID: P269523	Field ID: KAFB-204-01-1115 Lab ID: P269524	Field ID: KAFB-204-99-1115 Lab ID: P269524	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-204-04129 Lab ID: P269522	Ambient Blank Field ID: Lab ID:	Lab ID: P270538
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		38.0000	41.0000	42.0000		44.0000		41.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		80.0000	84.0000	86.0000		42.0000		92.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		54.0000	54.0000	54.0000		57.0000		56.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	100.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-204: Oil/Water Separator Building 334
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-204-01-0608 Lab ID: P269523	Field ID: KAFB-204-01-1115 Lab ID: P269524	Field ID: KAFB-204-99-1115 Lab ID: P269524	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.3000	8.2000	8.0000				

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-204: Oil/Water Separator Building 334
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-204-02-0610 Lab ID: 0347900006SA	Field ID: Lab ID: 0347900006SA	Field ID: KAFB-204-02-1113 Lab ID: 0347900008SA	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		13.0000		17.0000				

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-204: Oil/Water Separator Building 334
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-204-02-0610 Lab ID: ?????????	Field ID: KAFB-204-02-1113 Lab ID: ?????????	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-204-04129 Lab ID: P269522	Ambient Blank Field ID: Lab ID:	Lab ID:
ALUMINUM	2.0000	50.0000		7970.0000	9690.0000			0.0000 ND		
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		
BARIUM	0.2000	2.0000	5600.000	68.1000	70.9000			0.0000 ND		
BERYLLIUM	0.2000	0.3000	16.3000	0.4600	0.6800			0.0000 ND		
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND			0.0000 ND		
CALCIUM	2.0000	10.0000		143000.0000	13800.0000			0.0000 ND		
CHROMIUM, TOTAL	1.0000	7.0000		7.8000	10.1000			0.0000 ND		
COBALT	1.0000	7.0000		4.3000	7.5000			0.0000 ND		
COPPER	0.1000	6.0000		10.8000	34.2000			5.0000		
IRON	0.8000	7.0000		9410.0000	15500.0000			43.0000		
LEAD	3.0000	50.0000	400.0000	4.6000	8.9000			0.0000 ND		
MAGNESIUM	3.0000	30.0000		5500.0000	5220.0000			0.0000 ND		
MANGANESE	0.3000	2.0000	400.0000	176.0000	357.0000			0.0000 ND		
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		
NICKEL	3.0000	15.0000	1600.000	10.2000	15.8000			0.0000 ND		
POTASSIUM	20.0000	500.0000		1390.0000	2090.0000			0.0000 ND		
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		
SODIUM	3.0000	30.0000		113.0000	101.0000			83.0000		
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		
VANADIUM	0.4000	8.0000	720.0000	25.7000	36.6000			0.0000 ND		
ZINC	0.7000	2.0000	24000.00	23.5000	59.5000			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-204: Oil/Water Separator Building 334
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-204-02-0610 Lab ID: P269526	Field ID: KAFB-204-02-1113 Lab ID: P269527	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-204-04129 Lab ID: P269522	Ambient Blank Field ID: Lab ID:	Lab ID: P271647
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-204: Oil/Water Separator Building 334
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-204-02-0610 Lab ID:	Field ID: KAFB-204-02-1113 Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-204-04129 Lab ID: P269522	Ambient Blank Field ID: Lab ID:	Lab ID:
GASOLINE COMPONENTS	100.0000	1.0000		0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-204: Oil/Water Separator Building 334
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-204-02-0610 Lab ID: P269526	Field ID: KAFB-204-02-1113 Lab ID: P269527	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-204-04129 Lab ID: P269522	Ambient Blank Field ID: Lab ID:	Lab ID: P270581
DIESEL COMPONENTS	70.0000	10.0000		1400.0000	1000.0000			130.0000		0.0000 ND
PENTACOSANE	N/A	N/A		78.0000	2720.0000			119.0000		3570.0000

Base: KIRTLAND AFB
Site: ST-204: Oil/Water Separator Building 334
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

ANALYTCAL DATA SUMMARY

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-204-02-0610 Lab ID: 0347900006MS	Field ID: KAFB-204-02-1113 Lab ID: 0347900008SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-041294 Lab ID: 0347900001TB	Equipment Blank Field ID: KAFB-EB-204-04129 Lab ID: 0347900002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0003	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0009	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0005	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0004	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0006	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0004	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		96.0000 %	102.0000 %		95.0000 %	94.0000 %		
1,2-DICHLOROPROPANE	0.0003	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		100.0000 %	102.0000 %		97.0000 %	99.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0054	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0012	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ACETONE	0.0039	0.1000	8000.000	0.0000 ND	0.0078 TR		0.0000 ND	0.0000 ND		
BENZENE	0.0002	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0002	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0006	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0004	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0008	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0003	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0002	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0010	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0002	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0006	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0004	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0002	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0022	0.1000	48000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0012	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0003	0.0050	93.3000	0.0015 TR	0.0012 TR		0.0000 ND	0.0000 ND		
STYRENE	0.0002	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0002	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0003	0.0050	16000.00	0.0000 ND	0.0040		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		103.0000 %	101.0000 %		102.0000 %	103.0000 %		
TRICHLOROETHYLENE (TCE)	0.0003	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0007	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0004	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0007	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0007	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0009	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0003	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-204: Oil/Water Separator Building 334
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-204-02-0610 Lab ID: P269526	Field ID: KAFB-204-02-1113 Lab ID: P269527	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-204-04129 Lab ID: P269522	Ambient Blank Field ID: Lab ID:	Lab ID: P270538
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		82.0000	70.0000			77.0000		83.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		43.0000	41.0000			44.0000		43.0000
2-FLUOROPHENOL	N/A	N/A		71.0000	72.0000			32.0000		83.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

Base: KIRTLAND AFB
Site: ST-204: Oil/Water Separator Building 334
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

ANALYTCAL DATA SUMMARY

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-204-02-0610 Lab ID: P269526	Field ID: KAFB-204-02-1113 Lab ID: P269527	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-204-04129 Lab ID: P269522	Ambient Blank Field ID: Lab ID:	Lab ID: P270538
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		41.0000	39.0000			44.0000		41.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		77.0000	80.0000			42.0000		92.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		52.0000	55.0000			57.0000		56.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	100.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-204: Oil/Water Separator Building 334
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-204-02-0610 Lab ID: P269526	Field ID: Lab ID: P269526	Field ID: KAFB-204-02-1113 Lab ID: P269527	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.2000		8.2000				

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-205: Sediment Trap Building 334
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-205-01-0709 Lab ID: P269517	Field ID: KAFB-205-01-1214 Lab ID: P269518	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID: P270628
SOLIDS, PERCENT	N/A	N/A		87.3000	88.3000					100.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-205: Sediment Trap Building 334
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: *Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-205-01-0709 Lab ID: P269517	Field ID: KAFB-205-01-1214 Lab ID: P269518	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-202-04119 Lab ID: P269520	Ambient Blank Field ID: Lab ID:	Lab ID: P270495
ALUMINUM	2.0000	50.0000		8030.0000	8710.0000			0.0000 ND		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	112.0000	358.0000			0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.3400	0.5700			0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.5700			0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		63200.0000	13600.0000			39.0000		0.0000 ND
CHROMIUM, TOTAL	1.0000	7.0000		8.0000	9.1000			0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		3.7000	6.3000			0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		21.9000	46.0000			5.0000		0.0000 ND
IRON	0.8000	7.0000		9880.0000	14000.0000			20.0000		1.4000
LEAD	3.0000	50.0000	400.0000	10.8000	9.7000			0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		3710.0000	4540.0000			0.0000 ND		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	142.0000	310.0000			0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	6.2000	9.6000			0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		1520.0000	2090.0000			0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		75.1000	88.2000			106.0000		0.0000 ND
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	21.2000	33.0000			0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	36.5000	58.8000			26.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-205: Sediment Trap Building 334
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-205-01-0709 Lab ID: P269517	Field ID: KAFB-205-01-1214 Lab ID: P269518	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-202-04119 Lab ID: P269520	Ambient Blank Field ID: Lab ID:	Lab ID: P271647
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-205: Sediment Trap Building 334
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-205-01-0709 Lab ID:	Field ID: KAFB-205-01-1214 Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-202-04119 Lab ID: P269520	Ambient Blank Field ID: Lab ID:	Lab ID:
GASOLINE COMPONENTS	100.0000	1.0000		0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-205: Sediment Trap Building 334
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-205-01-0709 Lab ID: P269517	Field ID: KAFB-205-01-1214 Lab ID: P269518	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-202-04119 Lab ID: P269520	Ambient Blank Field ID: Lab ID:	Lab ID: P270581
DIESEL COMPONENTS	70.0000	10.0000		3800.0000	1400.0000			100.0000		0.0000 ND
PENTACOSANE	N/A	N/A		2450.0000	2580.0000			124.0000		3570.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-205: Sediment Trap Building 334
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-205-01-0709 Lab ID: P269517	Field ID: KAFB-205-01-1214 Lab ID: P269518	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-041194 Lab ID: P269519	Equipment Blank Field ID: KAFB-EB-202-04119 Lab ID: P269520	Ambient Blank Field ID: Lab ID:	Lab ID: P276074
1,1,1-TRICHLOROETHANE	4.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
1,1,2,2-TETRACHLOROETHANE	3.0000	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
1,1,2-TRICHLOROETHANE	2.0000	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
1,1-DICHLOROETHANE	3.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
1,1-DICHLOROETHENE	6.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
1,2-DICHLOROETHANE	2.0000	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
1,2-DICHLOROETHANE-D4	N/A	N/A		49.0000	48.0000		40.0000 =	41.0000		0.0000
1,2-DICHLOROPROPANE	2.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		59.0000	59.0000		49.0000 =	49.0000		0.0000
2-CHLOROETHYL VINYL ETHER	3.0000	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
2-HEXANONE	4.0000	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
ACETONE	4.0000	0.1000	8000.000	10.0000	0.0000 ND		0.0000 ND	0.0000 ND		7.0000
BENZENE	2.0000	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
BROMODICHLOROMETHANE	1.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
BROMOFORM	3.0000	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
BROMOMETHANE	2.0000	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
CARBON DISULFIDE	6.0000	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
CARBON TETRACHLORIDE	6.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
CHLOROBENZENE	1.0000	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
CHLOROETHANE	3.0000	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
CHLOROFORM	2.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
CHLOROMETHANE	3.0000	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
DIBROMOCHLOROMETHANE	2.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
ETHYLBENZENE	2.0000	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
M,P-XYLENE (SUM OF ISOMERS)	2.0000	N/A		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
METHYL ETHYL KETONE (2-BUTANONE)	9.0000	0.1000	48000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	3.0000	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
METHYLENE CHLORIDE	3.0000	0.0050	93.3000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
O-XYLENE (1,2-DIMETHYLBENZENE)	2.0000	N/A		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
STYRENE	2.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
TETRACHLOROETHYLENE(PCE)	3.0000	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
TOLUENE	2.0000	0.0050	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
TOLUENE-D8	N/A	0.0050		68.0000	63.0000		55.0000 =	54.0000		0.0000
TRICHLOROETHYLENE (TCE)	2.0000	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
VINYL ACETATE	3.0000	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
VINYL CHLORIDE	4.0000	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
cis-1,3-DICHLOROPROPENE	2.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
trans-1,2-DICHLOROETHENE	4.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
trans-1,3-DICHLOROPROPENE	3.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-205: Sediment Trap Building 334
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-205-01-0709 Lab ID: P269517	Field ID: KAFB-205-01-1214 Lab ID: P269518	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-202-04119 Lab ID: P269520	Ambient Blank Field ID: Lab ID:	Lab ID: P270538
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		75.0000	72.0000			86.0000		83.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		40.0000	41.0000			46.0000		43.0000
2-FLUOROPHENOL	N/A	N/A		80.0000	61.0000			57.0000		83.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-205: Sediment Trap Building 334
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-205-01-0709 Lab ID: P269517	Field ID: KAFB-205-01-1214 Lab ID: P269518	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-202-04119 Lab ID: P269520	Ambient Blank Field ID: Lab ID:	Lab ID: P270538
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		35.0000	38.0000			46.0000		41.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		88.0000	68.0000			44.0000		92.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		53.0000	43.0000			56.0000		56.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	100.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

Base: KIRTLAND AFB
Site: ST-205: Sediment Trap Building 334
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

ANALYTCAL DATA SUMMARY

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-205-01-0709 Lab ID: P269517	Field ID: KAFB-205-01-1214 Lab ID: P269518	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.2000	8.3000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-206: Oil/Water Separator ST-206 Bldg.336
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-206-01-0810 Lab ID: 0347920010SA	Field ID: Lab ID: 0347920010SA	Field ID: KAFB-206-01-1316 Lab ID: 0347920013SA	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		13.0000		5.5000				

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-206: Oil/Water Separator ST-206 Bldg.336
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: *Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-206-01-0810 Lab ID: P269378	Field ID: KAFB-206-01-1316 Lab ID: P269379	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-206-04079 Lab ID: P269376	Ambient Blank Field ID: Lab ID:	Lab ID: P270432
ALUMINUM	2.0000	50.0000		5340.0000	4300.0000			39.0000		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	206.0000	77.8000			0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.2300	0.2200			0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		124000.0000	34100.0000			49.0000		4.8000
CHROMIUM, TOTAL	1.0000	7.0000		4.6000	7.2000			0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		3.2000	3.2000			0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		22.8000	51.1000			6.0000		0.0000 ND
IRON	0.8000	7.0000		5640.0000	6150.0000			46.0000		0.0000 ND
LEAD	3.0000	50.0000	400.0000	7.6000	4.8000			0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		3780.0000	2270.0000			137.0000		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	84.7000	90.7000			0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	5.4000	66.4000			0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		753.0000	831.0000			0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		118.0000	79.9000			108.0000		0.0000 ND
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	16.2000	16.5000			4.0000		0.0000 ND
ZINC	0.7000	2.0000	24000.00	30.8000	31.4000			8.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-206: Oil/Water Separator ST-206 Bldg.336
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-206-01-0810 Lab ID: P269378	Field ID: KAFB-206-01-1316 Lab ID: P269379	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-206-04079 Lab ID: P269376	Ambient Blank Field ID: Lab ID:	Lab ID: P271645
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-206: Oil/Water Separator ST-206 Bldg.336
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-206-01-0810 Lab ID:	Field ID: KAFB-206-01-1316 Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-206-04079 Lab ID: P269376	Ambient Blank Field ID: Lab ID:	Lab ID:
GASOLINE COMPONENTS	100.0000	1.0000		0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-206: Oil/Water Separator ST-206 Bldg.336
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-206-01-0810 Lab ID: P269378	Field ID: KAFB-206-01-1316 Lab ID: P269379	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-206-04079 Lab ID: P269376	Ambient Blank Field ID: Lab ID:	Lab ID: P270265
DIESEL COMPONENTS	70.0000	10.0000		2300.0000	0.0000 ND			0.0000 ND		0.0000 ND
PENTACOSANE	N/A	N/A		4620.0000	0.0000			113.0000		3880.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-206: Oil/Water Separator ST-206 Bldg.336
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-206-01-0810 Lab ID: 0347920010SA	Field ID: KAFB-206-01-1316 Lab ID: 0347920013SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-040794 Lab ID: 0347920021TB	Equipment Blank Field ID: KAFB-EB-206-04079 Lab ID: 0347920020EB	Ambient Blank Field ID: KAFB-AB-203-04079 Lab ID: 0347920019AB	Lab ID:
1,1,1-TRICHLOROETHANE	0.0003	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
1,1,2,2-TETRACHLOROETHANE	0.0009	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
1,1,2-TRICHLOROETHANE	0.0005	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
1,1-DICHLOROETHANE	0.0004	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
1,1-DICHLOROETHENE	0.0006	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
1,2-DICHLOROETHANE	0.0004	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
1,2-DICHLOROETHANE-D4	N/A	N/A		105.0000 %	100.0000 %		106.0000 %	100.0000 %	98.0000 %	
1,2-DICHLOROPROPANE	0.0003	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		114.0000 %	101.0000 %		101.0000 %	102.0000 %	101.0000 %	
2-CHLOROETHYL VINYL ETHER	0.0054	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
2-HEXANONE	0.0012	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
ACETONE	0.0039	0.1000	8000.000	0.0000 ND	0.0082 TR		0.0000 ND	0.0000 ND	5.4000 TR	
BENZENE	0.0002	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
BROMODICHLOROMETHANE	0.0002	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
BROMOFORM	0.0006	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
BROMOMETHANE	0.0004	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
CARBON DISULFIDE	0.0008	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
CARBON TETRACHLORIDE	0.0003	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
CHLOROBENZENE	0.0002	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
CHLOROETHANE	0.0010	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
CHLOROFORM	0.0002	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
CHLOROMETHANE	0.0006	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
DIBROMOCHLOROMETHANE	0.0004	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
ETHYLBENZENE	0.0002	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
METHYL ETHYL KETONE (2-BUTANONE)	0.0022	0.1000	48000.00	0.0000 ND	0.0013 TR		0.0000 ND	1.3000 TR	1.8000 TR	
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0012	0.0500		0.0000 ND	0.0013 TR		0.0000 ND	0.0000 ND	0.0000 ND	
METHYLENE CHLORIDE	0.0003	0.0050	93.3000	0.0000 ND	0.0013 TR		0.0000 ND	1.1000 TR	0.0000 ND	
STYRENE	0.0002	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
TETRACHLOROETHYLENE(PCE)	0.0002	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
TOLUENE	0.0003	0.0050	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
TOLUENE-D8	N/A	0.0050		92.0000 %	99.0000 %		99.0000 %	98.0000 %	98.0000 %	
TRICHLOROETHYLENE (TCE)	0.0003	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
VINYL ACETATE	0.0007	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
VINYL CHLORIDE	0.0004	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
XYLENES, TOTAL	0.0007	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
cis-1,3-DICHLOROPROPENE	0.0007	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
trans-1,2-DICHLOROETHENE	0.0009	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
trans-1,3-DICHLOROPROPENE	0.0003	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-206: Oil/Water Separator ST-206 Bldg.336
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-206-01-0810 Lab ID: P269378	Field ID: KAFB-206-01-1316 Lab ID: P269379	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-206-04079 Lab ID: P269376	Ambient Blank Field ID: Lab ID:	Lab ID: P270263
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		79.0000	60.0000			83.0000		0.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		41.0000	38.0000			45.0000		0.0000
2-FLUOROPHENOL	N/A	N/A		79.0000	60.0000			47.0000		0.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

Base: KIRTLAND AFB
Site: ST-206: Oil/Water Separator ST-206 Bldg.336
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

ANALYTCAL DATA SUMMARY

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-206-01-0810 Lab ID: P269378	Field ID: KAFB-206-01-1316 Lab ID: P269379	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-206-04079 Lab ID: P269376	Ambient Blank Field ID: Lab ID:	Lab ID: P270263
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	350.0000	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		40.0000	34.0000			42.0000		0.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	350.0000			0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		90.0000	66.0000			36.0000		0.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		52.0000	40.0000			51.0000		0.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	100.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-206: Oil/Water Separator ST-206 Bldg 336
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-206-01-0810 Lab ID: P269378	Field ID: Lab ID: P269378	Field ID: KAFB-206-01-1316 Lab ID: P269379	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		11.2000		10.5000				

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-206: Oil/Water Separator ST-206 Bldg.336
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-206-02-0811 Lab ID: 0347920014SA	Field ID: KAFB-206-02-1316 Lab ID: 0347920015SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		5.8000	5.8000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-206: Oil/Water Separator ST-206 Bldg.336
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: *Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-206-02-0811 Lab ID: P269380	Field ID: KAFB-206-02-1316 Lab ID: P269381	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-206-04079 Lab ID: P269376	Ambient Blank Field ID: Lab ID:	Lab ID: P270432
ALUMINUM	2.0000	50.0000		5960.0000	6130.0000			39.0000		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	63.0000	85.7000			0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.3300	0.4300			0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.7700	0.0000 ND			0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		31100.0000	29700.0000			49.0000		4.8000
CHROMIUM, TOTAL	1.0000	7.0000		8.3000	8.2000			0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		4.1000	4.2000			0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		43.9000	97.5000			6.0000		0.0000 ND
IRON	0.8000	7.0000		8850.0000	8920.0000			46.0000		0.0000 ND
LEAD	3.0000	50.0000	400.0000	7.2000	7.6000			0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		2780.0000	3090.0000			137.0000		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	124.0000	156.0000			0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	61.0000	37.3000			0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		1290.0000	1280.0000			0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		92.0000	97.0000			108.0000		0.0000 ND
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	20.7000	20.3000			4.0000		0.0000 ND
ZINC	0.7000	2.0000	24000.00	35.3000	53.8000			8.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-206: Oil/Water Separator ST-206 Bldg.336
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-206-02-0811 Lab ID: P269380	Field ID: KAFB-206-02-1316 Lab ID: P269381	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-206-04079 Lab ID: P269376	Ambient Blank Field ID: Lab ID:	Lab ID: P271645
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-206: Oil/Water Separator ST-206 Bldg.336
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-206-02-0811 Lab ID:	Field ID: KAFB-206-02-1316 Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-206-04079 Lab ID: P269376	Ambient Blank Field ID: Lab ID:	Lab ID:
GASOLINE COMPONENTS	100.0000	1.0000		0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-206: Oil/Water Separator ST-206 Bldg.336
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-206-02-0811 Lab ID: P269380	Field ID: KAFB-206-02-1316 Lab ID: P269381	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-206-04079 Lab ID: P269376	Ambient Blank Field ID: Lab ID:	Lab ID: P270265
DIESEL COMPONENTS	7000.000	10.0000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PENTACOSANE	N/A	N/A		0.0000	0.0000			113.0000		3880.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-206: Oil/Water Separator ST-206 Bldg.336
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-206-02-0811 Lab ID: 0347920014SA	Field ID: KAFB-206-02-1316 Lab ID: 0347920015SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-040794 Lab ID: 0347920021TB	Equipment Blank Field ID: KAFB-EB-206-04079 Lab ID: 0347920020EB	Ambient Blank Field ID: KAFB-AB-203-04079 Lab ID: 0347920019AB	Lab ID:
1,1,1-TRICHLOROETHANE	0.0003	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
1,1,2,2-TETRACHLOROETHANE	0.0009	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
1,1,2-TRICHLOROETHANE	0.0005	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
1,1-DICHLOROETHANE	0.0004	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
1,1-DICHLOROETHENE	0.0006	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
1,2-DICHLOROETHANE	0.0004	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
1,2-DICHLOROETHANE-D4	N/A	N/A		102.0000 %	100.0000 %		106.0000 %	100.0000 %	98.0000 %	
1,2-DICHLOROPROPANE	0.0003	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		99.0000 %	101.0000 %		101.0000 %	102.0000 %	101.0000 %	
2-CHLOROETHYL VINYL ETHER	0.0054	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
2-HEXANONE	0.0012	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
ACETONE	0.0039	0.1000	8000.000	0.0100 TR	0.0000 ND		0.0000 ND	0.0000 ND	5.4000 TR	
BENZENE	0.0002	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
BROMODICHLOROMETHANE	0.0002	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
BROMOFORM	0.0006	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
BROMOMETHANE	0.0004	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
CARBON DISULFIDE	0.0008	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
CARBON TETRACHLORIDE	0.0003	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
CHLOROBENZENE	0.0002	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
CHLOROETHANE	0.0010	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
CHLOROFORM	0.0002	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
CHLOROMETHANE	0.0006	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
DIBROMOCHLOROMETHANE	0.0004	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
ETHYLBENZENE	0.0002	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
METHYL ETHYL KETONE (2-BUTANONE)	0.0022	0.1000	48000.00	0.0023 TR	0.0031 TR		0.0000 ND	1.3000 TR	1.8000 TR	
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0012	0.0500		0.0013 TR	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
METHYLENE CHLORIDE	0.0003	0.0050	93.3000	0.0019 TR	0.0000 ND		0.0000 ND	1.1000 TR	0.0000 ND	
STYRENE	0.0002	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
TETRACHLOROETHYLENE(PCE)	0.0002	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
TOLUENE	0.0003	0.0050	16000.00	0.0000 ND	0.0014 TR		0.0000 ND	0.0000 ND	0.0000 ND	
TOLUENE-D8	N/A	0.0050		101.0000 %	98.0000 %		99.0000 %	98.0000 %	98.0000 %	
TRICHLOROETHYLENE (TCE)	0.0003	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
VINYL ACETATE	0.0007	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
VINYL CHLORIDE	0.0004	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
XYLENES, TOTAL	0.0007	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
cis-1,3-DICHLOROPROPENE	0.0007	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
trans-1,2-DICHLOROETHENE	0.0009	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
trans-1,3-DICHLOROPROPENE	0.0003	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-206: Oil/Water Separator ST-206 Bldg.336
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-206-02-0811 Lab ID: P269380	Field ID: KAFB-206-02-1316 Lab ID: P269381	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-206-04079 Lab ID: P269376	Ambient Blank Field ID: Lab ID:	Lab ID: P270263
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		77.0000	75.0000			83.0000		0.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		40.0000	42.0000			45.0000		0.0000
2-FLUOROPHENOL	N/A	N/A		62.0000	67.0000			47.0000		0.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-206: Oil/Water Separator ST-206 Bldg.336
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-206-02-0811 Lab ID: P269380	Field ID: KAFB-206-02-1316 Lab ID: P269381	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-206-04079 Lab ID: P269376	Ambient Blank Field ID: Lab ID:	Lab ID: P270263
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	340.0000	280.0000			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	260.0000			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		36.0000	39.0000			42.0000		0.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		68.0000	73.0000			36.0000		0.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	250.0000			0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		44.0000	49.0000			51.0000		0.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	100.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-206: Oil/Water Separator ST-206 Bldg.336
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-206-02-0811 Lab ID: P269380	Field ID: KAFB-206-02-1316 Lab ID: P269381	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		9.3000	8.9000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-207: Oil/Water Separator ST-207 Bldg.336
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-207-01-0810 Lab ID: 0347930013SA	Field ID: KAFB-207-01-1315 Lab ID: 0347930014SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		13.0000	11.0000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-207: Oil/Water Separator ST-207 Bldg.336
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-207-01-0810 Lab ID: P269230	Field ID: KAFB-207-01-1315 Lab ID: P269231	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-218-04059 Lab ID: P269222	Ambient Blank Field ID: Lab ID:	Lab ID: P270400
ALUMINUM	2.0000	50.0000		10000.0000	11200.0000			0.0000 ND		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	120.0000	69.2000			0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.7000	0.6800			0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.7000	0.0000 ND			0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		36200.0000	21300.0000			0.0000 ND		3.7000
CHROMIUM, TOTAL	1.0000	7.0000		9.0000	8.2000			0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		6.4000	8.6000			0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		39.4000	16.2000			19.0000		0.0000 ND
IRON	0.8000	7.0000		13200.0000	15500.0000			35.0000		0.0000 ND
LEAD	3.0000	50.0000	400.0000	9.2000	10.2000			0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		5940.0000	6000.0000			0.0000 ND		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	302.0000	353.0000			0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	9.7000	10.8000			0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		1750.0000	2530.0000			0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		141.0000	264.0000			34.0000		0.0000 ND
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	36.9000	35.3000			0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	48.0000	44.4000			15.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-207: Oil/Water Separator ST-207 Bldg.336
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-207-01-0810 Lab ID: P269230	Field ID: KAFB-207-01-1315 Lab ID: P269231	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-218-04059 Lab ID: P269222	Ambient Blank Field ID: Lab ID:	Lab ID: P270650
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-207: Oil/Water Separator ST-207 Bldg.336
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-207-01-0810 Lab ID:	Field ID: KAFB-207-01-1315 Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-218-04059 Lab ID: P269222	Ambient Blank Field ID: Lab ID:	Lab ID:
GASOLINE COMPONENTS	100.0000	1.0000		0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-207: Oil/Water Separator ST-207 Bldg.336
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-207-01-0810 Lab ID: P269230	Field ID: KAFB-207-01-1315 Lab ID: P269231	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-218-04059 Lab ID: P269222	Ambient Blank Field ID: Lab ID:	Lab ID: P270228
DIESEL COMPONENTS	70.0000	10.0000		2500.0000	16000.0000			79.0000		0.0000 ND
PENTACOSANE	N/A	N/A		119.0000	114.0000					120.0000

Base: KIRTLAND AFB
Site: ST-207: Oil/Water Separator ST-207 Bldg.336
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

ANALYTCAL DATA SUMMARY

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-207-01-0810 Lab ID: 0347930013SA	Field ID: KAFB-207-01-1315 Lab ID: 0347930014SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-040594 Lab ID: 0347930021TB	Equipment Blank Field ID: KAFB-EB-218-04059 Lab ID: 0347930022EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0003	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0009	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0005	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0004	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0006	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0004	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		104.0000 %	102.0000 %		103.0000 %	102.0000 %		
1,2-DICHLOROPROPANE	0.0003	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		104.0000 %	103.0000 %		108.0000 %	106.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0054	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0012	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ACETONE	0.0039	0.1000	8000.000	0.0210	0.0180		0.0000 ND	0.0000 ND		
BENZENE	0.0002	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0002	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0006	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0004	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0008	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0003	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0002	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0010	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0002	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0006	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0004	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0002	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0022	0.1000	48000.00	0.0045 TR	0.0130		0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0012	0.0500		0.0031 TR	0.0028 TR		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0003	0.0050	93.3000	0.0032 TR	0.0029 TR		1.3000 TR	0.0000 ND		
STYRENE	0.0002	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0002	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0003	0.0050	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		101.0000 %	102.0000 %		100.0000 %	101.0000 %		
TRICHLOROETHYLENE (TCE)	0.0003	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0007	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0004	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0007	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0007	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0009	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0003	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-207: Oil/Water Separator ST-207 Bldg.336
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-207-01-0810 Lab ID: P269230	Field ID: KAFB-207-01-1315 Lab ID: P269231	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-218-04059 Lab ID: P269222	Ambient Blank Field ID: Lab ID:	Lab ID: P270230
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		75.0000	68.0000			84.0000		50.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		42.0000	40.0000			44.0000		29.0000
2-FLUOROPHENOL	N/A	N/A		76.0000	73.0000			52.0000		48.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-207: Oil/Water Separator ST-207 Bldg.336
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-207-01-0810 Lab ID: P269230	Field ID: KAFB-207-01-1315 Lab ID: P269231	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-218-04059 Lab ID: P269222	Ambient Blank Field ID: Lab ID:	Lab ID: P270230
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		42.0000	42.0000			42.0000		28.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		86.0000	82.0000			41.0000		53.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		49.0000	48.0000			50.0000		28.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	100.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-207: Oil/Water Separator ST-207 Bldg.336
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-207-01-0810 Lab ID: P269230	Field ID: KAFB-207-01-1315 Lab ID: P269231	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.2000	8.4000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-207: Oil/Water Separator ST-207 Bldg.336
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-207-02-0810 Lab ID: 0347920001SA	Field ID: Lab ID: 0347920001SA	Field ID: KAFB-207-02-1315 Lab ID: 0347920009SA	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		9.9000		8.2000				

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-207: Oil/Water Separator ST-207 Bldg.336
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: *Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-207-02-0810 Lab ID: P269249	Field ID: KAFB-207-02-1315 Lab ID: P269250	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-207-04069 Lab ID: P269247	Ambient Blank Field ID: Lab ID:	Lab ID: P270400
ALUMINUM	2.0000	50.0000		5870.0000	9700.0000			39.0000		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	104.0000	57.6000			0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.3300	0.6800			0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		39500.0000	26300.0000			64.0000		3.7000
CHROMIUM, TOTAL	1.0000	7.0000		9.4000	9.8000			0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		3.5000	7.8000			0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		10.9000	12.3000			5.0000		0.0000 ND
IRON	0.8000	7.0000		7170.0000	13700.0000			25.0000		0.0000 ND
LEAD	3.0000	50.0000	400.0000	8.6000	9.7000			0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		2710.0000	5470.0000			40.0000		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	109.0000	363.0000			0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	4.7000	10.7000			0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		1240.0000	1980.0000			0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		92.0000	148.0000			55.0000		0.0000 ND
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	18.0000	33.1000			0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	20.5000	38.1000			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-207: Oil/Water Separator ST-207 Bldg.336
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-207-02-0810 Lab ID: P269249	Field ID: KAFB-207-02-1315 Lab ID: P269250	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-207-04069 Lab ID: P269247	Ambient Blank Field ID: Lab ID:	Lab ID: P271645
MERCURY	0.1000	0.1000		0.1100	0.1200			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-207: Oil/Water Separator ST-207 Bldg.336
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-207-02-0810 Lab ID:	Field ID: KAFB-207-02-1315 Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-207-04069 Lab ID: P269247	Ambient Blank Field ID: Lab ID:	Lab ID:
GASOLINE COMPONENTS	100.0000	1.0000		0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-207: Oil/Water Separator ST-207 Bldg.336
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-207-02-0810 Lab ID: P269249	Field ID: KAFB-207-02-1315 Lab ID: P269250	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-207-04069 Lab ID: P269247	Ambient Blank Field ID: Lab ID:	Lab ID: P270265
DIESEL COMPONENTS	70.0000	10.0000		1600.0000	1500.0000			100.0000		0.0000 ND
PENTACOSANE	N/A	N/A		115.0000	113.0000			111.0000		3880.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-207: Oil/Water Separator ST-207 Bldg.336
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-207-02-0810 Lab ID: 0347920001SA	Field ID: KAFB-207-02-1315 Lab ID: 0347920009SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-207-04069 Lab ID: 0347920018EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0003	0.0050		0.0000 ND	0.0000 ND			0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0009	0.0050	35.0000	0.0000 ND	0.0000 ND			0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0005	0.0050	123.0000	0.0000 ND	0.0000 ND			0.0000 ND		
1,1-DICHLOROETHANE	0.0004	0.0050		0.0000 ND	0.0000 ND			0.0000 ND		
1,1-DICHLOROETHENE	0.0006	0.0050		0.0000 ND	0.0000 ND			0.0000 ND		
1,2-DICHLOROETHANE	0.0004	0.0050	7.6900	0.0000 ND	0.0000 ND			0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		99.0000 %	94.0000 %			103.0000 %		
1,2-DICHLOROPROPANE	0.0003	0.0050		0.0000 ND	0.0000 ND			0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		98.0000 %	100.0000 %			103.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0054	0.0100		0.0000 ND	0.0000 ND			0.0000 ND		
2-HEXANONE	0.0012	0.0500		0.0000 ND	0.0000 ND			0.0000 ND		
ACETONE	0.0039	0.1000	8000.000	0.0000 ND	0.0000 ND			0.0000 ND		
BENZENE	0.0002	0.0050	24.1000	0.0000 ND	0.0000 ND			0.0000 ND		
BROMODICHLOROMETHANE	0.0002	0.0050		0.0000 ND	0.0000 ND			0.0000 ND		
BROMOFORM	0.0006	0.0050	88.6000	0.0000 ND	0.0000 ND			0.0000 ND		
BROMOMETHANE	0.0004	0.0100	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		
CARBON DISULFIDE	0.0008	0.0050	8000.000	0.0000 ND	0.0000 ND			0.0000 ND		
CARBON TETRACHLORIDE	0.0003	0.0050		0.0000 ND	0.0000 ND			0.0000 ND		
CHLOROBENZENE	0.0002	N/A	2160.000	0.0000 ND	0.0000 ND			0.0000 ND		
CHLOROETHANE	0.0010	0.0100		0.0000 ND	0.0000 ND			0.0000 ND		
CHLOROFORM	0.0002	0.0050		0.0000 ND	0.0000 ND			0.0000 ND		
CHLOROMETHANE	0.0006	0.0100		0.0000 ND	0.0000 ND			0.0000 ND		
DIBROMOCHLOROMETHANE	0.0004	0.0050		0.0000 ND	0.0000 ND			0.0000 ND		
ETHYLBENZENE	0.0002	0.0050	8000.000	0.0000 ND	0.0000 ND			0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0022	0.1000	48000.00	0.0000 ND	0.0000 ND			0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0012	0.0500		0.0000 ND	0.0000 ND			0.0000 ND		
METHYLENE CHLORIDE	0.0003	0.0050	93.3000	0.0000 ND	0.0000 ND			1.1000 TR		
STYRENE	0.0002	0.0050		0.0000 ND	0.0000 ND			0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0002	0.0050	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		
TOLUENE	0.0003	0.0050	16000.00	0.0000 ND	0.0000 ND			0.0000 ND		
TOLUENE-D8	N/A	0.0050		101.0000 %	100.0000 %			102.0000 %		
TRICHLOROETHYLENE (TCE)	0.0003	0.0050	63.6000	0.0000 ND	0.0000 ND			0.0000 ND		
VINYL ACETATE	0.0007	0.0500		0.0000 ND	0.0000 ND			0.0000 ND		
VINYL CHLORIDE	0.0004	0.0100		0.0000 ND	0.0000 ND			0.0000 ND		
XYLENES, TOTAL	0.0007	0.0050	160000.0	0.0000 ND	0.0000 ND			0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0007	0.0050		0.0000 ND	0.0000 ND			0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0009	0.0050		0.0000 ND	0.0000 ND			0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0003	0.0050		0.0000 ND	0.0000 ND			0.0000 ND		

Base: KIRTLAND AFB
Site: ST-207: Oil/Water Separator ST-207 Bldg.336
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

ANALYTCAL DATA SUMMARY

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-207-02-0810 Lab ID: P269249	Field ID: KAFB-207-02-1315 Lab ID: P269250	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-207-04069 Lab ID: P269247	Ambient Blank Field ID: Lab ID:	Lab ID: P270263
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		78.0000	70.0000			80.0000		0.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		42.0000	40.0000			41.0000		0.0000
2-FLUOROPHENOL	N/A	N/A		80.0000	80.0000			52.0000		0.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-207: Oil/Water Separator ST-207 Bldg.336
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-207-02-0810 Lab ID: P269249	Field ID: KAFB-207-02-1315 Lab ID: P269250	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-207-04069 Lab ID: P269247	Ambient Blank Field ID: Lab ID:	Lab ID: P270263
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		42.0000	38.0000			40.0000		0.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		93.0000	93.0000			44.0000		0.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		51.0000	55.0000			50.0000		0.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	100.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-207: Oil/Water Separator ST-207 Bldg.336
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-207-02-0810 Lab ID: P269249	Field ID: KAFB-207-02-1315 Lab ID: P269250	Field ID: Lab ID: P269250	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.2000	8.1000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-208: Oil/Water Separator ST-208 Bldg.336
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-208-01-0810 Lab ID: 0347920002SA	Field ID: KAFB-208-01-1317 Lab ID: 0347920003SA	Field ID: KAFB-208-99-1317 Lab ID: 0347920003SA	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		5.5000	2.3000	3.6000				

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-208: Oil/Water Separator ST-208 Bldg.336
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: *Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-208-01-0810 Lab ID: P269251	Field ID: KAFB-208-01-1317 Lab ID: P269252	Field ID: KAFB-208-99-1317 Lab ID: P269252	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-207-04069 Lab ID: P269247	Ambient Blank Field ID: Lab ID:	Lab ID: P270432
ALUMINUM	2.0000	50.0000		5500.0000	4400.0000	3440.0000		39.0000		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	8.5000	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	83.0000	66.7000	45.9000		0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.4400	0.2100	0.2100		0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.7700	0.5200	0.0000 ND		0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		20700.0000	3260.0000	2180.0000		64.0000		4.8000
CHROMIUM, TOTAL	1.0000	7.0000		4.7000	2.6000	2.6000		0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		4.9000	5.4000	3.7000		0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		21.6000	29.3000	134.0000		5.0000		0.0000 ND
IRON	0.8000	7.0000		9500.0000	8760.0000	6740.0000		25.0000		0.0000 ND
LEAD	3.0000	50.0000	400.0000	5.3000	3.1000	4.1000		0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		3540.0000	3040.0000	2250.0000		40.0000		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	162.0000	198.0000	156.0000		0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	3.3000	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		1020.0000	1490.0000	1190.0000		0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		67.9000	55.5000	57.3000		55.0000		0.0000 ND
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	27.0000	17.9000	13.3000		0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	28.1000	35.2000	65.3000		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-208: Oil/Water Separator ST-208 Bldg.336
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-208-01-0810 Lab ID: P269251	Field ID: KAFB-208-01-1317 Lab ID: P269252	Field ID: KAFB-208-99-1317 Lab ID: P269252	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-207-04069 Lab ID: P269247	Ambient Blank Field ID: Lab ID:	Lab ID: P271645
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-208: Oil/Water Separator ST-208 Bldg.336
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-208-01-0810 Lab ID:	Field ID: KAFB-208-01-1317 Lab ID:	Field ID: KAFB-208-99-1317 Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-207-04069 Lab ID: P269247	Ambient Blank Field ID: Lab ID:	Lab ID:
GASOLINE COMPONENTS	100.0000	1.0000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-208: Oil/Water Separator ST-208 Bldg.336
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-208-01-0810 Lab ID: P269251	Field ID: KAFB-208-01-1317 Lab ID: P269252	Field ID: KAFB-208-99-1317 Lab ID: P269252	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-207-04069 Lab ID: P269247	Ambient Blank Field ID: Lab ID:	Lab ID: P270265
DIESEL COMPONENTS	70.0000	10.0000		1500.0000	1200.0000	1200.0000		100.0000		0.0000 ND
PENTACOSANE	N/A	N/A		120.0000	130.0000	132.0000		111.0000		3880.0000

Base: KIRTLAND AFB
Site: ST-208: Oil/Water Separator ST-208 Bldg.336
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

ANALYTCAL DATA SUMMARY

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-208-01-0810 Lab ID: 0347920002SA	Field ID: KAFB-208-01-1317 Lab ID: 0347920003SA	Field ID: KAFB-208-99-1317 Lab ID: 0347920003SA	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-207-04069 Lab ID: 0347920018EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0003	0.0050		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0009	0.0050	35.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0005	0.0050	123.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
1,1-DICHLOROETHANE	0.0004	0.0050		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
1,1-DICHLOROETHENE	0.0006	0.0050		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
1,2-DICHLOROETHANE	0.0004	0.0050	7.6900	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		91.0000 %	93.0000 %	96.0000 %		103.0000 %		
1,2-DICHLOROPROPANE	0.0003	0.0050		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		98.0000 %	101.0000 %	102.0000 %		103.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0054	0.0100		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2-HEXANONE	0.0012	0.0500		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
ACETONE	0.0039	0.1000	8000.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
BENZENE	0.0002	0.0050	24.1000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
BROMODICHLOROMETHANE	0.0002	0.0050		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
BROMOFORM	0.0006	0.0050	88.6000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
BROMOMETHANE	0.0004	0.0100	32.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
CARBON DISULFIDE	0.0008	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
CARBON TETRACHLORIDE	0.0003	0.0050		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
CHLOROBENZENE	0.0002	N/A	2160.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
CHLOROETHANE	0.0010	0.0100		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
CHLOROFORM	0.0002	0.0050		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
CHLOROMETHANE	0.0006	0.0100		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
DIBROMOCHLOROMETHANE	0.0004	0.0050		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
ETHYLBENZENE	0.0002	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0022	0.1000	48000.00	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0012	0.0500		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
METHYLENE CHLORIDE	0.0003	0.0050	93.3000	0.0000 ND	0.0000 ND	0.0000 ND		1.1000 TR		
STYRENE	0.0002	0.0050		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0002	0.0050	800.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
TOLUENE	0.0003	0.0050	16000.00	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
TOLUENE-D8	N/A	0.0050		95.0000 %	99.0000 %	98.0000 %		102.0000 %		
TRICHLOROETHYLENE (TCE)	0.0003	0.0050	63.6000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
VINYL ACETATE	0.0007	0.0500		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
VINYL CHLORIDE	0.0004	0.0100		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
XYLENES, TOTAL	0.0007	0.0050	160000.0	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0007	0.0050		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0009	0.0050		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0003	0.0050		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-208: Oil/Water Separator ST-208 Bldg.336
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-208-01-0810 Lab ID: P269251	Field ID: KAFB-208-01-1317 Lab ID: P269252	Field ID: KAFB-208-99-1317 Lab ID: P269252	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-207-04069 Lab ID: P269247	Ambient Blank Field ID: Lab ID:	Lab ID: P270263
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		73.0000	65.0000	68.0000		80.0000		0.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		42.0000	40.0000	43.0000		41.0000		0.0000
2-FLUOROPHENOL	N/A	N/A		78.0000	73.0000	76.0000		52.0000		0.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

Base: KIRTLAND AFB
Site: ST-208: Oil/Water Separator ST-208 Bldg.336
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

ANALYTCAL DATA SUMMARY

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-208-01-0810 Lab ID: P269251	Field ID: KAFB-208-01-1317 Lab ID: P269252	Field ID: KAFB-208-99-1317 Lab ID: P269252	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-207-04069 Lab ID: P269247	Ambient Blank Field ID: Lab ID:	Lab ID: P270263
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		42.0000	39.0000	41.0000		40.0000		0.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		90.0000	82.0000	92.0000		44.0000		0.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		51.0000	48.0000	53.0000		50.0000		0.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	100.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-208: Oil/Water Separator ST-208 Bldg.336
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-208-01-0810 Lab ID: P269251	Field ID: KAFB-208-01-1317 Lab ID: P269252	Field ID: KAFB-208-99-1317 Lab ID: P269252	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.1000	8.2000	8.3000				

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-208: Oil/Water Separator ST-208 Bldg.336
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-208-02-0812 Lab ID: 0347920004SA	Field ID: Lab ID: 0347920004SA	Field ID: KAFB-208-02-1315 Lab ID: 0347920005SA	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		21.0000		13.0000				

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-208: Oil/Water Separator ST-208 Bldg.336
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-208-02-0812 Lab ID: P269254	Field ID: KAFB-208-02-1315 Lab ID: P269255	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-207-04069 Lab ID: P269247	Ambient Blank Field ID: Lab ID:	Lab ID: P272508
ALUMINUM	2.0000	50.0000		7820.0000	9170.0000			39.0000		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	101.0000	63.0000			0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.4400	0.4600			0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.5700			0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		23100.0000	24000.0000			64.0000		0.0000 ND
CHROMIUM, TOTAL	1.0000	7.0000		9.6000	8.6000			0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		4.4000	8.0000			0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		36.5000	19.8000			5.0000		0.0000 ND
IRON	0.8000	7.0000		10100.0000	15400.0000			25.0000		0.0000 ND
LEAD	3.0000	50.0000	400.0000	0.0000 ND	11.0000			0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		3080.0000	5330.0000			40.0000		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	119.0000	338.0000			0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	15.7000	9.6000			0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		1460.0000	2630.0000			0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		64.7000	86.5000			55.0000		0.0000 ND
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	26.8000	35.8000			0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	31.0000	47.1000			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-208: Oil/Water Separator ST-208 Bldg.336
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-208-02-0812 Lab ID: P269254	Field ID: KAFB-208-02-1315 Lab ID: P269255	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-207-04069 Lab ID: P269247	Ambient Blank Field ID: Lab ID:	Lab ID: P271645
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-208: Oil/Water Separator ST-208 Bldg.336
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-208-02-0812 Lab ID:	Field ID: KAFB-208-02-1315 Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-207-04069 Lab ID: P269247	Ambient Blank Field ID: Lab ID:	Lab ID:
GASOLINE COMPONENTS	100.0000	1.0000		0.0000 ND	260.0000			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-208: Oil/Water Separator ST-208 Bldg.336
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-208-02-0812 Lab ID: P269254	Field ID: KAFB-208-02-1315 Lab ID: P269255	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-207-04069 Lab ID: P269247	Ambient Blank Field ID: Lab ID:	Lab ID: P270265
DIESEL COMPONENTS	70.0000	10.0000		1200.0000	690.0000			100.0000		0.0000 ND
PENTACOSANE	N/A	N/A		138.0000	131.0000			111.0000		3880.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-208: Oil/Water Separator ST-208 Bldg.336
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-208-02-0812 Lab ID: 0347920004MS	Field ID: KAFB-208-02-1315 Lab ID: 0347920005SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-207-04069 Lab ID: 0347920018EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0003	0.0050		0.0000 ND	0.0000 ND			0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0009	0.0050	35.0000	0.0000 ND	0.0000 ND			0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0005	0.0050	123.0000	0.0000 ND	0.0000 ND			0.0000 ND		
1,1-DICHLOROETHANE	0.0004	0.0050		0.0000 ND	0.0000 ND			0.0000 ND		
1,1-DICHLOROETHENE	0.0006	0.0050		0.0000 ND	0.0000 ND			0.0000 ND		
1,2-DICHLOROETHANE	0.0004	0.0050	7.6900	0.0000 ND	0.0000 ND			0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		92.0000 %	98.0000 %			103.0000 %		
1,2-DICHLOROPROPANE	0.0003	0.0050		0.0000 ND	0.0000 ND			0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		100.0000 %	100.0000 %			103.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0054	0.0100		0.0000 ND	0.0000 ND			0.0000 ND		
2-HEXANONE	0.0012	0.0500		0.0000 ND	0.0000 ND			0.0000 ND		
ACETONE	0.0039	0.1000	8000.000	0.0000 ND	0.0000 ND			0.0000 ND		
BENZENE	0.0002	0.0050	24.1000	0.0000 ND	0.0000 ND			0.0000 ND		
BROMODICHLOROMETHANE	0.0002	0.0050		0.0000 ND	0.0000 ND			0.0000 ND		
BROMOFORM	0.0006	0.0050	88.6000	0.0000 ND	0.0000 ND			0.0000 ND		
BROMOMETHANE	0.0004	0.0100	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		
CARBON DISULFIDE	0.0008	0.0050	8000.000	0.0000 ND	0.0000 ND			0.0000 ND		
CARBON TETRACHLORIDE	0.0003	0.0050		0.0000 ND	0.0000 ND			0.0000 ND		
CHLOROBENZENE	0.0002	N/A	2160.000	0.0000 ND	0.0000 ND			0.0000 ND		
CHLOROETHANE	0.0010	0.0100		0.0000 ND	0.0000 ND			0.0000 ND		
CHLOROFORM	0.0002	0.0050		0.0000 ND	0.0000 ND			0.0000 ND		
CHLOROMETHANE	0.0006	0.0100		0.0000 ND	0.0000 ND			0.0000 ND		
DIBROMOCHLOROMETHANE	0.0004	0.0050		0.0000 ND	0.0000 ND			0.0000 ND		
ETHYLBENZENE	0.0002	0.0050	8000.000	0.0000 ND	0.0000 ND			0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0022	0.1000	48000.00	0.0000 ND	0.0000 ND			0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0012	0.0500		0.0000 ND	0.0000 ND			0.0000 ND		
METHYLENE CHLORIDE	0.0003	0.0050	93.3000	0.0000 ND	0.0000 ND			1.1000 TR		
STYRENE	0.0002	0.0050		0.0000 ND	0.0000 ND			0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0002	0.0050	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		
TOLUENE	0.0003	0.0050	16000.00	0.0000 ND	0.0000 ND			0.0000 ND		
TOLUENE-D8	N/A	0.0050		98.0000 %	97.0000 %			102.0000 %		
TRICHLOROETHYLENE (TCE)	0.0003	0.0050	63.6000	0.0000 ND	0.0000 ND			0.0000 ND		
VINYL ACETATE	0.0007	0.0500		0.0000 ND	0.0000 ND			0.0000 ND		
VINYL CHLORIDE	0.0004	0.0100		0.0000 ND	0.0000 ND			0.0000 ND		
XYLENES, TOTAL	0.0007	0.0050	160000.0	0.0000 ND	0.0000 ND			0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0007	0.0050		0.0000 ND	0.0000 ND			0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0009	0.0050		0.0000 ND	0.0000 ND			0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0003	0.0050		0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-208: Oil/Water Separator ST-208 Bldg.336
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-208-02-0812 Lab ID: P269254	Field ID: KAFB-208-02-1315 Lab ID: P269255	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-207-04069 Lab ID: P269247	Ambient Blank Field ID: Lab ID:	Lab ID: P270263
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		67.0000	72.0000			80.0000		0.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		43.0000	43.0000			41.0000		0.0000
2-FLUOROPHENOL	N/A	N/A		75.0000	81.0000			52.0000		0.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-208: Oil/Water Separator ST-208 Bldg.336
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-208-02-0812 Lab ID: P269254	Field ID: KAFB-208-02-1315 Lab ID: P269255	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-207-04069 Lab ID: P269247	Ambient Blank Field ID: Lab ID:	Lab ID: P270263
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		40.0000	38.0000			40.0000		0.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	260.0000			0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		92.0000	88.0000			44.0000		0.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		54.0000	53.0000			50.0000		0.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	100.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

Base: KIRTLAND AFB
Site: ST-208: Oil/Water Separator ST-208 Bldg.336
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

ANALYTCAL DATA SUMMARY

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-208-02-0812 Lab ID: P269254	Field ID: Lab ID: P269254	Field ID: KAFB-208-02-1315 Lab ID: P269255	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.1000		8.0000				

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-208: Oil/Water Separator ST-208 Bldg.336
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-208-03-0810 Lab ID: 0347920007SA	Field ID: KAFB-208-03-1315 Lab ID: 0347920006SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		13.0000	8.0000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-208: Oil/Water Separator ST-208 Bldg.336
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: *Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-208-03-0810 Lab ID: P269256	Field ID: KAFB-208-03-1315 Lab ID: P269257	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-207-04069 Lab ID: P269247	Ambient Blank Field ID: Lab ID:	Lab ID: P270432
ALUMINUM	2.0000	50.0000		7250.0000	8140.0000			39.0000		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	61.6000	47.6000			0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.4500	0.4500			0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.5600			0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		46100.0000	8280.0000			64.0000		4.8000
CHROMIUM, TOTAL	1.0000	7.0000		7.2000	7.5000			0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		4.5000	7.3000			0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		10.0000	25.8000			5.0000		0.0000 ND
IRON	0.8000	7.0000		9450.0000	13700.0000			25.0000		0.0000 ND
LEAD	3.0000	50.0000	400.0000	4.7000	6.9000			0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		3190.0000	4020.0000			40.0000		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	128.0000	290.0000			0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	5.7000	7.3000			0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		1400.0000	2030.0000			0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		63.5000	73.5000			55.0000		0.0000 ND
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	25.1000	31.0000			0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	22.4000	41.1000			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-208: Oil/Water Separator ST-208 Bldg.336
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-208-03-0810 Lab ID: P269256	Field ID: KAFB-208-03-1315 Lab ID: P269257	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-207-04069 Lab ID: P269247	Ambient Blank Field ID: Lab ID:	Lab ID: P271645
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-208: Oil/Water Separator ST-208 Bldg.336
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-208-03-0810 Lab ID:	Field ID: KAFB-208-03-1315 Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-207-04069 Lab ID: P269247	Ambient Blank Field ID: Lab ID:	Lab ID:
GASOLINE COMPONENTS	100.0000	1.0000		0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-208: Oil/Water Separator ST-208 Bldg.336
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-208-03-0810 Lab ID: P269256	Field ID: KAFB-208-03-1315 Lab ID: P269257	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-207-04069 Lab ID: P269247	Ambient Blank Field ID: Lab ID:	Lab ID: P270265
DIESEL COMPONENTS	70.0000	10.0000		600.0000	380.0000			100.0000		0.0000 ND
PENTACOSANE	N/A	N/A		122.0000	126.0000			111.0000		3880.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-208: Oil/Water Separator ST-208 Bldg.336
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-208-03-0810 Lab ID: 0347920007SA	Field ID: KAFB-208-03-1315 Lab ID: 0347920006SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-207-04069 Lab ID: 0347920018EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0003	0.0050		0.0000 ND	0.0000 ND			0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0009	0.0050	35.0000	0.0000 ND	0.0000 ND			0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0005	0.0050	123.0000	0.0000 ND	0.0000 ND			0.0000 ND		
1,1-DICHLOROETHANE	0.0004	0.0050		0.0000 ND	0.0000 ND			0.0000 ND		
1,1-DICHLOROETHENE	0.0006	0.0050		0.0000 ND	0.0000 ND			0.0000 ND		
1,2-DICHLOROETHANE	0.0004	0.0050	7.6900	0.0000 ND	0.0000 ND			0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		95.0000 %	95.0000 %			103.0000 %		
1,2-DICHLOROPROPANE	0.0003	0.0050		0.0000 ND	0.0000 ND			0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		101.0000 %	103.0000 %			103.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0054	0.0100		0.0000 ND	0.0000 ND			0.0000 ND		
2-HEXANONE	0.0012	0.0500		0.0000 ND	0.0000 ND			0.0000 ND		
ACETONE	0.0039	0.1000	8000.000	0.0000 ND	0.0000 ND			0.0000 ND		
BENZENE	0.0002	0.0050	24.1000	0.0000 ND	0.0000 ND			0.0000 ND		
BROMODICHLOROMETHANE	0.0002	0.0050		0.0000 ND	0.0000 ND			0.0000 ND		
BROMOFORM	0.0006	0.0050	88.6000	0.0000 ND	0.0000 ND			0.0000 ND		
BROMOMETHANE	0.0004	0.0100	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		
CARBON DISULFIDE	0.0008	0.0050	8000.000	0.0000 ND	0.0000 ND			0.0000 ND		
CARBON TETRACHLORIDE	0.0003	0.0050		0.0000 ND	0.0000 ND			0.0000 ND		
CHLOROBENZENE	0.0002	N/A	2160.000	0.0000 ND	0.0000 ND			0.0000 ND		
CHLOROETHANE	0.0010	0.0100		0.0000 ND	0.0000 ND			0.0000 ND		
CHLOROFORM	0.0002	0.0050		0.0000 ND	0.0000 ND			0.0000 ND		
CHLOROMETHANE	0.0006	0.0100		0.0000 ND	0.0000 ND			0.0000 ND		
DIBROMOCHLOROMETHANE	0.0004	0.0050		0.0000 ND	0.0000 ND			0.0000 ND		
ETHYLBENZENE	0.0002	0.0050	8000.000	0.0000 ND	0.0000 ND			0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0022	0.1000	48000.00	0.0000 ND	0.0000 ND			0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0012	0.0500		0.0000 ND	0.0000 ND			0.0000 ND		
METHYLENE CHLORIDE	0.0003	0.0050	93.3000	0.0000 ND	0.0000 ND			1.1000 TR		
STYRENE	0.0002	0.0050		0.0000 ND	0.0000 ND			0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0002	0.0050	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		
TOLUENE	0.0003	0.0050	16000.00	0.0000 ND	0.0000 ND			0.0000 ND		
TOLUENE-D8	N/A	0.0050		97.0000 %	99.0000 %			102.0000 %		
TRICHLOROETHYLENE (TCE)	0.0003	0.0050	63.6000	0.0000 ND	0.0000 ND			0.0000 ND		
VINYL ACETATE	0.0007	0.0500		0.0000 ND	0.0000 ND			0.0000 ND		
VINYL CHLORIDE	0.0004	0.0100		0.0000 ND	0.0000 ND			0.0000 ND		
XYLENES, TOTAL	0.0007	0.0050	160000.0	0.0000 ND	0.0000 ND			0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0007	0.0050		0.0000 ND	0.0000 ND			0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0009	0.0050		0.0000 ND	0.0000 ND			0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0003	0.0050		0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-208: Oil/Water Separator ST-208 Bldg.336
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-208-03-0810 Lab ID: P269256	Field ID: KAFB-208-03-1315 Lab ID: P269257	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-207-04069 Lab ID: P269247	Ambient Blank Field ID: Lab ID:	Lab ID: P270263
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		73.0000	81.0000			80.0000		0.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		39.0000	43.0000			41.0000		0.0000
2-FLUOROPHENOL	N/A	N/A		80.0000	83.0000			52.0000		0.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-208: Oil/Water Separator ST-208 Bldg.336
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-208-03-0810 Lab ID: P269256	Field ID: KAFB-208-03-1315 Lab ID: P269257	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-207-04069 Lab ID: P269247	Ambient Blank Field ID: Lab ID:	Lab ID: P270263
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		38.0000	39.0000			40.0000		0.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		92.0000	96.0000			44.0000		0.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		52.0000	55.0000			50.0000		0.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	100.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-208: Oil/Water Separator ST-208 Bldg.336
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-208-03-0810 Lab ID: P269256	Field ID: KAFB-208-03-1315 Lab ID: P269257	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.0000	8.0000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-209: Catch Basin ST-209 Bldg.336
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-209-01-0709 Lab ID: 0349630013SA	Field ID: KAFB-209-01-1214 Lab ID: 0349630014SA	Field ID: Lab ID: 0349630014SA	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		13.0000	10.0000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-209: Catch Basin ST-209 Bldg.336
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: *Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-209-01-0709 Lab ID: P270803	Field ID: KAFB-209-01-1214 Lab ID: P270804	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-TB-01-042294 Lab ID: P270802	Ambient Blank Field ID: Lab ID:	Lab ID: P271576
ALUMINUM	2.0000	50.0000		9190.0000	11000.0000			26.0000		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	8.5000			0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	52.0000	133.0000			0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.4300	0.6500			0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	1.3000			0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		55000.0000	23700.0000			39.0000		0.0000 ND
CHROMIUM, TOTAL	1.0000	7.0000		8.9000	10.7000			0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		6.0000	8.1000			0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		15.7000	16.9000			4.0000		0.0000 ND
IRON	0.8000	7.0000		14900.0000	16000.0000			39.0000		0.0000 ND
LEAD	3.0000	50.0000	400.0000	6.2000	8.9000			0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		5420.0000	5940.0000			41.0000		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	192.0000	293.0000			0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	8.0000	8.9000			0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		1510.0000	2130.0000			0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		362.0000	457.0000			67.0000		3.2000
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	40.1000	35.0000			0.0000 ND		0.4000
ZINC	0.7000	2.0000	24000.00	31.4000	43.3000			13.0000		0.7000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-209: Catch Basin ST-209 Bldg.336
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-209-01-0709 Lab ID: P270803	Field ID: KAFB-209-01-1214 Lab ID: P270804	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-TB-01-042294 Lab ID: P270802	Ambient Blank Field ID: Lab ID:	Lab ID: P272660
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-209: Catch Basin ST-209 Bldg.336
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-209-01-0709 Lab ID:	Field ID: KAFB-209-01-1214 Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-042294 Lab ID:	Equipment Blank Field ID: KAFB-TB-01-042294 Lab ID: P270802	Ambient Blank Field ID: Lab ID:	Lab ID:
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		202.0000	182.0000		104.0000 %	398.0000		
GASOLINE COMPONENTS	200.0000	1.0000		0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-209: Catch Basin ST-209 Bldg.336
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-209-01-0709 Lab ID: P270803	Field ID: KAFB-209-01-1214 Lab ID: P270804	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-TB-01-042294 Lab ID: P270802	Ambient Blank Field ID: Lab ID:	Lab ID: P271661
DIESEL COMPONENTS	70.0000	10.0000		1500.0000	13000.0000			390.0000		0.0000 ND
PENTACOSANE	N/A	N/A		2620.0000	2920.0000			89.0000		2650.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-209: Catch Basin ST-209 Bldg.336
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-209-01-0709 Lab ID: 0349630013MS	Field ID: KAFB-209-01-1214 Lab ID: 0349630014SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-042294 Lab ID: 0349630011TB	Equipment Blank Field ID: KAFB-TB-01-042294 Lab ID: 0349630012EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0034	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0057	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0057	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0046	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0057	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0046	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		95.0000 %	97.0000 %		95.0000 %	101.0000 %		
1,2-DICHLOROPROPANE	0.0034	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		103.0000 %	100.0000 %		104.0000 %	398.0000		
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0110	0.0500		0.0000 ND	0.0000 ND		1.9000 TR	0.0000 ND		
ACETONE	0.0110	0.1000	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BENZENE	0.0023	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0023	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0057	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0046	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0057	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0034	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0023	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0023	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0069	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0046	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0023	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0034	0.0050	93.3000	0.0018 TR	0.0012 TR		0.0000 ND	0.0000 ND		
STYRENE	0.0057	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0023	0.0050	800.0000	0.0000 ND	0.0027		0.0000 ND	0.0000 ND		
TOLUENE	0.0034	0.0050	16000.00	0.0000 ND	0.0047		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		101.0000 %	101.0000 %		100.0000 %	102.0000 %		
TRICHLOROETHYLENE (TCE)	0.0034	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0080	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0046	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0057	0.0050	160000.0	0.0000 ND	0.0027 TR		0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0057	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0057	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0034	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

Base: KIRTLAND AFB
Site: ST-209: Catch Basin ST-209 Bldg.336
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

ANALYTCAL DATA SUMMARY

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-209-01-0709 Lab ID: P270803	Field ID: KAFB-209-01-1214 Lab ID: P270804	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-TB-01-042294 Lab ID: P270802	Ambient Blank Field ID: Lab ID:	Lab ID: P271715
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		100.0000	110.0000			79.0000		56.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		75.0000	79.0000			44.0000		39.0000
2-FLUOROPHENOL	N/A	N/A		140.0000	140.0000			60.0000		72.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-209: Catch Basin ST-209 Bldg.336
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-209-01-0709 Lab ID: P270803	Field ID: KAFB-209-01-1214 Lab ID: P270804	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-TB-01-042294 Lab ID: P270802	Ambient Blank Field ID: Lab ID:	Lab ID: P271715
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	330.0000	590.0000			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		76.0000	79.0000			43.0000		38.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		160.0000	170.0000			45.0000		87.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		85.0000	86.0000			46.0000		41.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-209: Catch Basin ST-209 Bldg.336
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-209-01-0709 Lab ID: P270803	Field ID: Lab ID: P270803	Field ID: KAFB-209-01-1214 Lab ID: P270804	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		9.1000		8.9000				

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-209: Catch Basin ST-209 Bldg.336
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-209-02-0709 Lab ID: 0349630015SA	Field ID: KAFB-209-02-1214 Lab ID: 0349630016SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		9.8000	10.0000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-209: Catch Basin ST-209 Bldg.336
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-209-02-0709 Lab ID: P270805	Field ID: KAFB-209-02-1214 Lab ID: P270806	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-TB-01-042294 Lab ID: P270802	Ambient Blank Field ID: Lab ID:	Lab ID: P271576
ALUMINUM	2.0000	50.0000		9760.0000	10700.0000			26.0000		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	393.0000	54.2000			0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.5500	0.5500			0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		46000.0000	19100.0000			39.0000		0.0000 ND
CHROMIUM, TOTAL	1.0000	7.0000		10.2000	10.9000			0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		6.2000	7.8000			0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		19.4000	25.7000			4.0000		0.0000 ND
IRON	0.8000	7.0000		12600.0000	16100.0000			39.0000		0.0000 ND
LEAD	3.0000	50.0000	400.0000	7.6000	9.2000			0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		5210.0000	5570.0000			41.0000		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	196.0000	282.0000			0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	8.3000	9.4000			0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		1620.0000	2280.0000			0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		403.0000	384.0000			67.0000		3.2000
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	34.8000	37.1000			0.0000 ND		0.4000
ZINC	0.7000	2.0000	24000.00	36.2000	51.4000			13.0000		0.7000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-209: Catch Basin ST-209 Bldg.336
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-209-02-0709 Lab ID: P270805	Field ID: KAFB-209-02-1214 Lab ID: P270806	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-TB-01-042294 Lab ID: P270802	Ambient Blank Field ID: Lab ID:	Lab ID: P272660
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-209: Catch Basin ST-209 Bldg.336
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-209-02-0709 Lab ID:	Field ID: KAFB-209-02-1214 Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-042294 Lab ID:	Equipment Blank Field ID: KAFB-TB-01-042294 Lab ID: P270802	Ambient Blank Field ID: Lab ID:	Lab ID:
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		187.0000	167.0000		104.0000 %	398.0000		
GASOLINE COMPONENTS	200.0000	1.0000		0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-209: Catch Basin ST-209 Bldg.336
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-209-02-0709 Lab ID: P270805	Field ID: KAFB-209-02-1214 Lab ID: P270806	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-TB-01-042294 Lab ID: P270802	Ambient Blank Field ID: Lab ID:	Lab ID: P271661
DIESEL COMPONENTS	70.0000	10.0000		11000.0000	6700.0000			390.0000		0.0000 ND
PENTACOSANE	N/A	N/A		2750.0000	2790.0000			89.0000		2650.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-209: Catch Basin ST-209 Bldg.336
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-209-02-0709 Lab ID: 0349630015SA	Field ID: KAFB-209-02-1214 Lab ID: 0349630016SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-042294 Lab ID: 0349630011TB	Equipment Blank Field ID: KAFB-TB-01-042294 Lab ID: 0349630012EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0055	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0055	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0044	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0055	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0044	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		95.0000 %	96.0000 %		95.0000 %	101.0000 %		
1,2-DICHLOROPROPANE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		100.0000 %	99.0000 %		104.0000 %	398.0000		
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0110	0.0500		0.0000 ND	0.0000 ND		1.9000 TR	0.0000 ND		
ACETONE	0.0110	0.1000	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BENZENE	0.0022	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0022	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0055	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0044	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0055	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0022	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0022	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0067	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0044	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0022	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0033	0.0050	93.3000	0.0019 TR	0.0018 TR		0.0000 ND	0.0000 ND		
STYRENE	0.0055	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0022	0.0050	800.0000	0.0016 TR	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0033	0.0050	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		103.0000 %	99.0000 %		100.0000 %	102.0000 %		
TRICHLOROETHYLENE (TCE)	0.0033	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0078	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0044	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0055	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0055	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0055	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-209: Catch Basin ST-209 Bldg.336
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-209-02-0709 Lab ID: P270805	Field ID: KAFB-209-02-1214 Lab ID: P270806	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-TB-01-042294 Lab ID: P270802	Ambient Blank Field ID: Lab ID:	Lab ID: P271715
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		110.0000	110.0000			79.0000		56.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		80.0000	78.0000			44.0000		39.0000
2-FLUOROPHENOL	N/A	N/A		150.0000	140.0000			60.0000		72.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-209: Catch Basin ST-209 Bldg.336
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-209-02-0709 Lab ID: P270805	Field ID: KAFB-209-02-1214 Lab ID: P270806	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-TB-01-042294 Lab ID: P270802	Ambient Blank Field ID: Lab ID:	Lab ID: P271715
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	400.0000	240.0000			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		78.0000	77.0000			43.0000		38.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		170.0000	160.0000			45.0000		87.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		87.0000	86.0000			46.0000		41.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-209: Catch Basin ST-209 Bldg.336
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-209-02-0709 Lab ID: P270805	Field ID: KAFB-209-02-1214 Lab ID: P270806	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		9.0000	8.9000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-209: Catch Basin ST-209 Bldg.336
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-209-03-0711 Lab ID: 0349630017SA	Field ID: Lab ID: 0349630017SA	Field ID: KAFB-209-03-1214 Lab ID: 0349630018SA	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		11.0000		11.0000				

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-209: Catch Basin ST-209 Bldg.336
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-209-03-0711 Lab ID: P270807	Field ID: KAFB-209-03-1214 Lab ID: P270808	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-TB-01-042294 Lab ID: P270802	Ambient Blank Field ID: Lab ID:	Lab ID: P271576
ALUMINUM	2.0000	50.0000		8470.0000	11800.0000			26.0000		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	6.9000	0.0000 ND			0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	83.0000	62.1000			0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.4400	0.6700			0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.7800			0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		41000.0000	33500.0000			39.0000		0.0000 ND
CHROMIUM, TOTAL	1.0000	7.0000		9.8000	11.6000			0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		5.7000	8.1000			0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		43.9000	23.8000			4.0000		0.0000 ND
IRON	0.8000	7.0000		13500.0000	17000.0000			39.0000		0.0000 ND
LEAD	3.0000	50.0000	400.0000	7.8000	8.6000			0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		4890.0000	6110.0000			41.0000		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	178.0000	311.0000			0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	25.2000	9.3000			0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		1360.0000	2480.0000			0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			67.0000		3.2000
SODIUM	3.0000	30.0000		144.0000	112.0000			0.0000 ND		0.0000 ND
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		0.4000
VANADIUM	0.4000	8.0000	720.0000	37.1000	39.1000			13.0000		0.7000
ZINC	0.7000	2.0000	24000.00	39.8000	52.5000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-209: Catch Basin ST-209 Bldg.336
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-209-03-0711 Lab ID: P270807	Field ID: KAFB-209-03-1214 Lab ID: P270808	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-TB-01-042294 Lab ID: P270802	Ambient Blank Field ID: Lab ID:	Lab ID: P272660
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-209: Catch Basin ST-209 Bldg.336
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-209-03-0711 Lab ID:	Field ID: KAFB-209-03-1214 Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-042294 Lab ID:	Equipment Blank Field ID: KAFB-TB-01-042294 Lab ID: P270802	Ambient Blank Field ID: Lab ID:	Lab ID:
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		198.0000	196.0000		104.0000 %	398.0000		
GASOLINE COMPONENTS	200.0000	1.0000		0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-209: Catch Basin ST-209 Bldg.336
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-209-03-0711 Lab ID: P270807	Field ID: KAFB-209-03-1214 Lab ID: P270808	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-TB-01-042294 Lab ID: P270802	Ambient Blank Field ID: Lab ID:	Lab ID: P271661
DIESEL COMPONENTS	70.0000	10.0000		6300.0000	2500.0000			390.0000		0.0000 ND
PENTACOSANE	N/A	N/A		3030.0000	3470.0000			89.0000		2650.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-209: Catch Basin ST-209 Bldg.336
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-209-03-0711 Lab ID: 0349630017SA	Field ID: KAFB-209-03-1214 Lab ID: 0349630018SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-042294 Lab ID: 0349630011TB	Equipment Blank Field ID: KAFB-TB-01-042294 Lab ID: 0349630012EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0034	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0056	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0056	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0045	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0056	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0045	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		105.0000 %	101.0000 %		95.0000 %	101.0000 %		
1,2-DICHLOROPROPANE	0.0034	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		101.0000 %	102.0000 %		104.0000 %	398.0000		
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0110	0.0500		0.0000 ND	0.0000 ND		1.9000 TR	0.0000 ND		
ACETONE	0.0110	0.1000	8000.000	0.0120	0.0084 TR		0.0000 ND	0.0000 ND		
BENZENE	0.0022	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0022	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0056	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0045	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0056	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0034	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0022	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0022	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0067	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0045	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0022	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0034	0.0050	93.3000	0.0027 TR	0.0019 TR		0.0000 ND	0.0000 ND		
STYRENE	0.0056	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0022	0.0050	800.0000	0.0014 TR	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0034	0.0050	16000.00	0.0038	0.0024 TR		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		98.0000 %	99.0000 %		100.0000 %	102.0000 %		
TRICHLOROETHYLENE (TCE)	0.0034	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0079	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0045	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0056	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0056	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0056	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0034	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-209: Catch Basin ST-209 Bldg.336
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-209-03-0711 Lab ID: P270807	Field ID: KAFB-209-03-1214 Lab ID: P270808	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-TB-01-042294 Lab ID: P270802	Ambient Blank Field ID: Lab ID:	Lab ID: P271715
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		110.0000	110.0000			79.0000		56.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		76.0000	75.0000			44.0000		39.0000
2-FLUOROPHENOL	N/A	N/A		140.0000	140.0000			60.0000		72.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-209: Catch Basin ST-209 Bldg.336
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-209-03-0711 Lab ID: P270807	Field ID: KAFB-209-03-1214 Lab ID: P270808	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-TB-01-042294 Lab ID: P270802	Ambient Blank Field ID: Lab ID:	Lab ID: P271715
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	490.0000	260.0000			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		74.0000	74.0000			43.0000		38.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		160.0000	160.0000			45.0000		87.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		84.0000	83.0000			46.0000		41.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-209: Catch Basin ST-209 Bldg.336
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-209-03-0711 Lab ID: P270807	Field ID: KAFB-209-03-1214 Lab ID: P270808	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		9.0000	8.7000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-209: Catch Basin ST-209 Bldg.336
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-209-99-1216 Lab ID: P270810	Field ID: KAFB-209-04-0709 Lab ID: 0349630019SA	Field ID: KAFB-209-04-1216 Lab ID: P270810	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID: P271616
MOISTURE, PERCENT	0.1000	N/A		3.0000	10.0000	3.0000				0.0000
SOLIDS, PERCENT	N/A	N/A		98.1000	90.7000	89.4000				100.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-209: Catch Basin ST-209 Bldg.336
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: *Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-209-99-1216 Lab ID: P270810	Field ID: KAFB-209-04-0709 Lab ID: P270809	Field ID: KAFB-209-04-1216 Lab ID: P270810	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-TB-01-042294 Lab ID: P270802	Ambient Blank Field ID: Lab ID:	Lab ID: P271576
ALUMINUM	2.0000	50.0000		5310.0000	8940.0000	13400.0000		26.0000		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	58.4000	929.0000	236.0000		0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.4100	0.4400	0.6700		0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	1.9000	1.1000		0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		3500.0000	61600.0000	36900.0000		39.0000		0.0000 ND
CHROMIUM, TOTAL	1.0000	7.0000		4.6000	8.7000	12.4000		0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		6.7000	6.4000	11.7000		0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		36.3000	17.4000	26.7000		4.0000		0.0000 ND
IRON	0.8000	7.0000		10800.0000	12800.0000	20900.0000		39.0000		0.0000 ND
LEAD	3.0000	50.0000	400.0000	0.0000 ND	31.3000	31.0000		0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		3410.0000	5080.0000	7180.0000		41.0000		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	226.0000	210.0000	431.0000		0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	5.1000	11.2000	10.4000		0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		1510.0000	1420.0000	3350.0000		0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		387.0000	1710.0000	1760.0000		67.0000		3.2000
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	24.2000	35.3000	48.7000		0.0000 ND		0.4000
ZINC	0.7000	2.0000	24000.00	40.6000	33.2000	57.6000		13.0000		0.7000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-209: Catch Basin ST-209 Bldg.336
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-209-99-1216 Lab ID: P270810	Field ID: KAFB-209-04-0709 Lab ID: P270809	Field ID: KAFB-209-04-1216 Lab ID: P270810	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-TB-01-042294 Lab ID: P270802	Ambient Blank Field ID: Lab ID:	Lab ID: P272662
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-209: Catch Basin ST-209 Bldg.336
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-209-99-1216 Lab ID:	Field ID: KAFB-209-04-0709 Lab ID:	Field ID: KAFB-209-04-1216 Lab ID:	Trip Blank Field ID: KAFB-TB-01-042294 Lab ID:	Equipment Blank Field ID: KAFB-TB-01-042294 Lab ID: P270802	Ambient Blank Field ID: Lab ID:	Lab ID:
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		170.0000	177.0000	198.0000	104.0000 %	398.0000		
GASOLINE COMPONENTS	200.0000	1.0000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-209: Catch Basin ST-209 Bldg.336
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-209-99-1216 Lab ID: P270810	Field ID: KAFB-209-04-0709 Lab ID: P270809	Field ID: KAFB-209-04-1216 Lab ID: P270810	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-TB-01-042294 Lab ID: P270802	Ambient Blank Field ID: Lab ID:	Lab ID: P271661
DIESEL COMPONENTS	70.0000	10.0000		920.0000	1500.0000	1100.0000		390.0000		0.0000 ND
PENTACOSANE	N/A	N/A		2750.0000	2820.0000	2860.0000		89.0000		2650.0000

Base: KIRTLAND AFB
Site: ST-209: Catch Basin ST-209 Bldg.336
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

ANALYTCAL DATA SUMMARY

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-209-04-0709 Lab ID: 0349630019SA	Field ID: KAFB-209-04-1216 Lab ID: 0349630020SA	Field ID: KAFB-209-99-1216 Lab ID: 0349630020SA	Trip Blank Field ID: KAFB-TB-01-042294 Lab ID: 0349630011TB	Equipment Blank Field ID: KAFB-TB-01-042294 Lab ID: 0349630012EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0034	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0056	0.0050	35.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0056	0.0050	123.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0045	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0056	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0045	0.0050	7.6900	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		96.0000 %	103.0000 %	103.0000 %	95.0000 %	101.0000 %		
1,2-DICHLOROPROPANE	0.0034	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		101.0000 %	102.0000 %	102.0000 %	104.0000 %	398.0000		
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
2-HEXANONE	0.0110	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	1.9000 TR	0.0000 ND		
ACETONE	0.0110	0.1000	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BENZENE	0.0022	0.0050	24.1000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0022	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMOFORM	0.0056	0.0050	88.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0045	0.0100	32.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0056	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0034	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0022	N/A	2160.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROFORM	0.0022	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0067	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0045	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0022	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0034	0.0050	93.3000	0.0000 ND	0.0000 ND	0.0020 TR	0.0000 ND	0.0000 ND		
STYRENE	0.0056	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0022	0.0050	800.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TOLUENE	0.0034	0.0050	16000.00	0.0054	0.0029 TR	0.0032	0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		97.0000 %	101.0000 %	99.0000 %	100.0000 %	102.0000 %		
TRICHLOROETHYLENE (TCE)	0.0034	0.0050	63.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0078	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0045	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0056	0.0050	160000.0	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0056	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0056	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0034	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-209: Catch Basin ST-209 Bldg.336
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-209-99-1216 Lab ID: P270810	Field ID: KAFB-209-04-0709 Lab ID: P270809	Field ID: KAFB-209-04-1216 Lab ID: P270810	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-TB-01-042294 Lab ID: P270802	Ambient Blank Field ID: Lab ID:	Lab ID: P271715
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		110.0000	120.0000	65.0000		79.0000		56.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		77.0000	80.0000	42.0000		44.0000		39.0000
2-FLUOROPHENOL	N/A	N/A		130.0000	140.0000	68.0000		60.0000		72.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-209: Catch Basin ST-209 Bldg.336
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-209-99-1216 Lab ID: P270810	Field ID: KAFB-209-04-0709 Lab ID: P270809	Field ID: KAFB-209-04-1216 Lab ID: P270810	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-TB-01-042294 Lab ID: P270802	Ambient Blank Field ID: Lab ID:	Lab ID: P271715
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	310.0000	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		74.0000	78.0000	39.0000		43.0000		38.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		150.0000	160.0000	85.0000		45.0000		87.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		82.0000	84.0000	47.0000		46.0000		41.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-209: Catch Basin ST-209 Bldg.336
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-209-99-1216 Lab ID: P270810	Field ID: KAFB-209-04-0709 Lab ID: P270809	Field ID: KAFB-209-04-1216 Lab ID: P270810	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		9.3000	9.2000	9.3000				

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-01-0810 Lab ID: P268066	Field ID: KAFB-210-01-1517 Lab ID: P268067	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID: P268873
SOLIDS, PERCENT	N/A	N/A		90.0000	98.4000					100.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-01-0810 Lab ID: P268066	Field ID: KAFB-210-01-1517 Lab ID: P268067	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID: P270064
ALUMINUM	2.0000	50.0000		11800.0000	4210.0000					0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND					0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND					0.0000 ND
BARIUM	0.2000	2.0000	5600.000	44.6000	29.9000					0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.6700	0.2000					0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND					0.0000 ND
CALCIUM	2.0000	10.0000		15000.0000	5580.0000					0.0000 ND
CHROMIUM, TOTAL	1.0000	7.0000		10.8000	5.3000					0.0000 ND
COBALT	1.0000	7.0000		8.3000	5.2000					0.0000 ND
COPPER	0.1000	6.0000		14.6000	97.7000					0.0000 ND
IRON	0.8000	7.0000		15100.0000	7990.0000					0.9000
LEAD	3.0000	50.0000	400.0000	7.8000	3.8000					0.0000 ND
MAGNESIUM	3.0000	30.0000		5310.0000	2660.0000					0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	295.0000	197.0000					0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND					0.0000 ND
NICKEL	3.0000	15.0000	1600.000	9.2000	3.0000					0.0000 ND
POTASSIUM	20.0000	500.0000		2190.0000	1370.0000					0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND					0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND					0.0000 ND
SODIUM	3.0000	30.0000		411.0000	108.0000					0.0000 ND
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND					0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	44.1000	16.3000					0.0000 ND
ZINC	0.7000	2.0000	24000.00	43.6000	64.2000					0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-01-0810 Lab ID: P268066	Field ID: KAFB-210-01-1517 Lab ID: P268067	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID: P269131
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND					0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-01-0810 Lab ID: P268066	Field ID: KAFB-210-01-1517 Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID: P274031
GASOLINE COMPONENTS	100.0000	1.0000		330.0000	0.0000 ND					0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-01-0810 Lab ID: P268066	Field ID: KAFB-210-01-1517 Lab ID: P268067	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID: P268858
DIESEL COMPONENTS	78.0000	10.0000		0.0000 ND	0.0000 ND					70.0000
PENTACOSANE	N/A	N/A		96.0000	2020.0000					0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-01-0810 Lab ID: P268066	Field ID: KAFB-210-01-1517 Lab ID: P268067	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID: P273897
1,1,1-TRICHLOROETHANE	4.0000	0.0050		0.0000 ND	0.0000 ND					0.0000 ND
1,1,2,2-TETRACHLOROETHANE	3.0000	0.0050	35.0000	0.0000 ND	0.0000 ND					0.0000 ND
1,1,2-TRICHLOROETHANE	2.0000	0.0050	123.0000	0.0000 ND	0.0000 ND					0.0000 ND
1,1-DICHLOROETHANE	3.0000	0.0050		0.0000 ND	0.0000 ND					0.0000 ND
1,1-DICHLOROETHENE	6.0000	0.0050		0.0000 ND	0.0000 ND					0.0000 ND
1,2-DICHLOROETHANE	2.0000	0.0050	7.6900	0.0000 ND	0.0000 ND					0.0000 ND
1,2-DICHLOROETHANE-D4	N/A	N/A		65.0000	62.0000					51.0000
1,2-DICHLOROPROPANE	2.0000	0.0050		0.0000 ND	0.0000 ND					0.0000 ND
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		62.0000	51.0000					45.0000
2-CHLOROETHYL VINYL ETHER	3.0000	0.0100		0.0000 ND	0.0000 ND					0.0000 ND
2-HEXANONE	4.0000	0.0500		0.0000 ND	0.0000 ND					0.0000 ND
ACETONE	4.0000	0.1000	8000.000	12.0000	14.0000					0.0000 ND
BENZENE	2.0000	0.0050	24.1000	0.0000 ND	0.0000 ND					0.0000 ND
BROMODICHLOROMETHANE	1.0000	0.0050		0.0000 ND	0.0000 ND					0.0000 ND
BROMOFORM	3.0000	0.0050	88.6000	0.0000 ND	0.0000 ND					0.0000 ND
BROMOMETHANE	2.0000	0.0100	32.0000	0.0000 ND	0.0000 ND					0.0000 ND
CARBON DISULFIDE	6.0000	0.0050	8000.000	0.0000 ND	0.0000 ND					0.0000 ND
CARBON TETRACHLORIDE	6.0000	0.0050		0.0000 ND	0.0000 ND					0.0000 ND
CHLOROBENZENE	1.0000	N/A	2160.000	0.0000 ND	0.0000 ND					1.0000
CHLOROETHANE	3.0000	0.0100		0.0000 ND	0.0000 ND					0.0000 ND
CHLOROFORM	2.0000	0.0050		0.0000 ND	0.0000 ND					0.0000 ND
CHLOROMETHANE	3.0000	0.0100		0.0000 ND	0.0000 ND					0.0000 ND
DIBROMOCHLOROMETHANE	2.0000	0.0050		0.0000 ND	0.0000 ND					0.0000 ND
ETHYLBENZENE	2.0000	0.0050	8000.000	0.0000 ND	0.0000 ND					0.0000 ND
M,P-XYLENE (SUM OF ISOMERS)	2.0000	N/A		0.0000 ND	0.0000 ND					0.0000 ND
METHYL ETHYL KETONE (2-BUTANONE)	9.0000	0.1000	48000.00	0.0000 ND	15.0000					0.0000 ND
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	3.0000	0.0500		0.0000 ND	6.0000					0.0000 ND
METHYLENE CHLORIDE	3.0000	0.0050	93.3000	0.0000 ND	0.0000 ND					0.0000 ND
O-XYLENE (1,2-DIMETHYLBENZENE)	2.0000	N/A		0.0000 ND	0.0000 ND					0.0000 ND
STYRENE	2.0000	0.0050		0.0000 ND	0.0000 ND					0.0000 ND
TETRACHLOROETHYLENE(PCE)	3.0000	0.0050	800.0000	0.0000 ND	0.0000 ND					0.0000 ND
TOLUENE	2.0000	0.0050	16000.00	0.0000 ND	0.0000 ND					0.0000 ND
TOLUENE-D8	N/A	0.0050		68.0000	60.0000					53.0000
TRICHLOROETHYLENE (TCE)	2.0000	0.0050	63.6000	0.0000 ND	0.0000 ND					0.0000 ND
VINYL ACETATE	3.0000	0.0500		0.0000 ND	0.0000 ND					0.0000 ND
VINYL CHLORIDE	4.0000	0.0100		0.0000 ND	0.0000 ND					0.0000 ND
cis-1,3-DICHLOROPROPENE	2.0000	0.0050		0.0000 ND	0.0000 ND					0.0000 ND
trans-1,2-DICHLOROETHENE	4.0000	0.0050		0.0000 ND	0.0000 ND					0.0000 ND
trans-1,3-DICHLOROPROPENE	3.0000	0.0050		0.0000 ND	0.0000 ND					0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-01-0810 Lab ID: P268066	Field ID: KAFB-210-01-1517 Lab ID: P268067	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID: P268856
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND					0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND					0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		44.0000	46.0000					64.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND					0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND					0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND					0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND					0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND					0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		33.0000	41.0000					42.0000
2-FLUOROPHENOL	N/A	N/A		61.0000	78.0000					87.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND					0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND					0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND					0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND					0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND					0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND					0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND					0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND					0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND					0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND					0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND					0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND					0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND					0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND					0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND					0.0000 ND
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND					0.0000
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND					0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-01-0810 Lab ID: P268066	Field ID: KAFB-210-01-1517 Lab ID: P268067	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID: P268856
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND					0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND					0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND					0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND					0.0000 ND
HEXACHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND					0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND					0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
NITROBENZENE-D5	N/A	0.7000		31.0000	41.0000					42.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND					0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	0.0000 ND					0.0000 ND
PHENOL-D5	N/A	N/A		62.0000	92.0000					89.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND					0.0000 ND
TERPHENYL-D14	N/A	N/A		38.0000	55.0000					54.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	100.0000	0.7000		0.0000 ND	0.0000 ND					0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND					0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-01-0810 Lab ID: P268066	Field ID: KAFB-210-01-1517 Lab ID: P268067	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.1000	8.1000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-02-0709 Lab ID: P268057	Field ID: KAFB-210-02-1214 Lab ID: P268058	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID: P268873
SOLIDS, PERCENT	N/A	N/A		87.3000	90.7000					100.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: *Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-02-0709 Lab ID: P268057	Field ID: KAFB-210-02-1214 Lab ID: P268058	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-210-03249 Lab ID: P268056	Ambient Blank Field ID: Lab ID:	Lab ID: P270064
ALUMINUM	2.0000	50.0000		9350.0000	8520.0000			0.0000 ND		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	67.2000	56.9000			0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.5700	0.5500			0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND			5.0000		0.0000 ND
CALCIUM	2.0000	10.0000		49500.0000	8460.0000			46.0000		0.0000 ND
CHROMIUM, TOTAL	1.0000	7.0000		8.7000	8.2000			0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		6.2000	7.2000			0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		34.7000	19.1000			2.0000		0.0000 ND
IRON	0.8000	7.0000		11600.0000	11500.0000			22.0000		0.9000
LEAD	3.0000	50.0000	400.0000	5.7000	7.4000			0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		4780.0000	4190.0000			0.0000 ND		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	214.0000	283.0000			0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	7.0000	5.4000			0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		1710.0000	1720.0000			0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			3.0000		0.0000 ND
SODIUM	3.0000	30.0000		71.2000	66.3000			182.0000		0.0000 ND
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	39.4000	29.3000			0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	50.2000	38.7000			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-02-0709 Lab ID: P268057	Field ID: KAFB-210-02-1214 Lab ID: P268058	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-210-03249 Lab ID: P268056	Ambient Blank Field ID: Lab ID:	Lab ID: P269131
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-02-0709 Lab ID:	Field ID: KAFB-210-02-1214 Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-210-03249 Lab ID: P268056	Ambient Blank Field ID: Lab ID:	Lab ID:
GASOLINE COMPONENTS	100.0000	1.0000		210.0000	190.0000			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-02-0709 Lab ID: P268057	Field ID: KAFB-210-02-1214 Lab ID: P268058	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-210-03249 Lab ID: P268056	Ambient Blank Field ID: Lab ID:	Lab ID: P268858
DIESEL COMPONENTS	70.0000	10.0000		0.0000 ND	0.0000 ND			0.0000 ND		70.0000
PENTACOSANE	N/A	N/A		86.0000	2790.0000			87.0000		0.0000 ND

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

ANALYTCAL DATA SUMMARY

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-02-0709 Lab ID: P268057	Field ID: KAFB-210-02-1214 Lab ID: P268058	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID: P273897
1,1,1-TRICHLOROETHANE	4.0000	0.0050		0.0000 ND	0.0000 ND					0.0000 ND
1,1,2,2-TETRACHLOROETHANE	3.0000	0.0050	35.0000	0.0000 ND	0.0000 ND					0.0000 ND
1,1,2-TRICHLOROETHANE	2.0000	0.0050	123.0000	3.0000	0.0000 ND					0.0000 ND
1,1-DICHLOROETHANE	3.0000	0.0050		0.0000 ND	0.0000 ND					0.0000 ND
1,1-DICHLOROETHENE	6.0000	0.0050		0.0000 ND	0.0000 ND					0.0000 ND
1,2-DICHLOROETHANE	2.0000	0.0050	7.6900	0.0000 ND	0.0000 ND					0.0000 ND
1,2-DICHLOROETHANE-D4	N/A	N/A		69.0000	61.0000					51.0000
1,2-DICHLOROPROPANE	2.0000	0.0050		0.0000 ND	0.0000 ND					0.0000 ND
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		59.0000	55.0000					45.0000
2-CHLOROETHYL VINYL ETHER	3.0000	0.0100		0.0000 ND	0.0000 ND					0.0000 ND
2-HEXANONE	4.0000	0.0500		0.0000 ND	0.0000 ND					0.0000 ND
ACETONE	4.0000	0.1000	8000.000	12.0000	17.0000					0.0000 ND
BENZENE	2.0000	0.0050	24.1000	3.0000	0.0000 ND					0.0000 ND
BROMODICHLOROMETHANE	1.0000	0.0050		2.0000	0.0000 ND					0.0000 ND
BROMOFORM	3.0000	0.0050	88.6000	0.0000 ND	0.0000 ND					0.0000 ND
BROMOMETHANE	2.0000	0.0100	32.0000	0.0000 ND	0.0000 ND					0.0000 ND
CARBON DISULFIDE	6.0000	0.0050	8000.000	0.0000 ND	0.0000 ND					0.0000 ND
CARBON TETRACHLORIDE	6.0000	0.0050		0.0000 ND	0.0000 ND					0.0000 ND
CHLOROBENZENE	1.0000	N/A	2160.000	3.0000	2.0000					1.0000
CHLOROETHANE	3.0000	0.0100		0.0000 ND	0.0000 ND					0.0000 ND
CHLOROFORM	2.0000	0.0050		0.0000 ND	0.0000 ND					0.0000 ND
CHLOROMETHANE	3.0000	0.0100		0.0000 ND	0.0000 ND					0.0000 ND
DIBROMOCHLOROMETHANE	2.0000	0.0050		3.0000	0.0000 ND					0.0000 ND
ETHYLBENZENE	2.0000	0.0050	8000.000	0.0000 ND	0.0000 ND					0.0000 ND
M,P-XYLENE (SUM OF ISOMERS)	2.0000	N/A		0.0000 ND	0.0000 ND					0.0000 ND
METHYL ETHYL KETONE (2-BUTANONE)	9.0000	0.1000	48000.00	0.0000 ND	0.0000 ND					0.0000 ND
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	3.0000	0.0500		0.0000 ND	0.0000 ND					0.0000 ND
METHYLENE CHLORIDE	3.0000	0.0050	93.3000	0.0000 ND	0.0000 ND					0.0000 ND
O-XYLENE (1,2-DIMETHYLBENZENE)	2.0000	N/A		0.0000 ND	0.0000 ND					0.0000 ND
STYRENE	2.0000	0.0050		0.0000 ND	0.0000 ND					0.0000 ND
TETRACHLOROETHYLENE(PCE)	3.0000	0.0050	800.0000	0.0000 ND	0.0000 ND					0.0000 ND
TOLUENE	2.0000	0.0050	16000.00	0.0000 ND	0.0000 ND					0.0000 ND
TOLUENE-D8	N/A	0.0050		71.0000	63.0000					53.0000
TRICHLOROETHYLENE (TCE)	2.0000	0.0050	63.6000	3.0000	0.0000 ND					0.0000 ND
VINYL ACETATE	3.0000	0.0500		0.0000 ND	0.0000 ND					0.0000 ND
VINYL CHLORIDE	4.0000	0.0100		0.0000 ND	0.0000 ND					0.0000 ND
cis-1,3-DICHLOROPROPENE	2.0000	0.0050		0.0000 ND	0.0000 ND					0.0000 ND
trans-1,2-DICHLOROETHENE	4.0000	0.0050		0.0000 ND	0.0000 ND					0.0000 ND
trans-1,3-DICHLOROPROPENE	3.0000	0.0050		0.0000 ND	0.0000 ND					0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-02-0709 Lab ID: P268057	Field ID: KAFB-210-02-1214 Lab ID: P268058	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-210-03249 Lab ID: P268056	Ambient Blank Field ID: Lab ID:	Lab ID: P268856
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		54.0000	53.0000			0.0000 ND		64.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		43.0000	42.0000			83.0000		42.0000
2-FLUOROPHENOL	N/A	N/A		83.0000	82.0000			0.0000 ND		87.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-02-0709 Lab ID: P268057	Field ID: KAFB-210-02-1214 Lab ID: P268058	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-210-03249 Lab ID: P268056	Ambient Blank Field ID: Lab ID:	Lab ID: P268856
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		42.0000	40.0000			85.0000		42.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		90.0000	87.0000			0.0000 ND		89.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		55.0000	55.0000			110.0000		54.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	100.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-02-0709 Lab ID: P268057	Field ID: Lab ID: P268057	Field ID: KAFB-210-02-1214 Lab ID: P268058	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.0000		8.1000				

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-03-0709 Lab ID: P268151	Field ID: Lab ID: P268151	Field ID: KAFB-210-03-1216 Lab ID: P268152	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID: P268965
SOLIDS, PERCENT	N/A	N/A		89.4000		93.2000				100.0000
SOLIDS, PERCENT	N/A	N/A		93.2000	82.2000					100.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: *Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-03-0709 Lab ID: P268151	Field ID: KAFB-210-03-1216 Lab ID: P268152	Field ID: KAFB-210-03-2527 Lab ID: P268154	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-210-03259 Lab ID: P268150	Ambient Blank Field ID: Lab ID:	Lab ID: P270064
ALUMINUM	2.0000	50.0000		11200.0000	12700.0000	11600.0000		33.0000		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	87.0000	69.0000	121.0000		0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.5600	0.6400	0.7300		0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		37800.0000	12000.0000	45600.0000		84.0000		0.0000 ND
CHROMIUM, TOTAL	1.0000	7.0000		10.3000	11.5000	12.0000		0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		7.3000	9.3000	6.1000		0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		36.5000	17.6000	39.1000		11.0000		0.0000 ND
IRON	0.8000	7.0000		14100.0000	19800.0000	16900.0000		36.0000		0.9000
LEAD	3.0000	50.0000	400.0000	6.7000	9.8000	11.6000		0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		5050.0000	6040.0000	5400.0000		39.0000		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	387.0000	327.0000	337.0000		0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	8.2000	10.0000	12.0000		0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		2040.0000	2950.0000	1720.0000		0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		5.0000		0.0000 ND
SODIUM	3.0000	30.0000		352.0000	361.0000	334.0000		121.0000		0.0000 ND
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	44.0000	47.9000	29.6000		0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	49.7000	74.4000	60.9000		11.0000		0.0000 ND
ALUMINUM	2.0000	50.0000		12700.0000				33.0000		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND				0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND				0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	69.0000				0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.6400				0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND				0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		12000.0000				84.0000		0.0000 ND
CHROMIUM, TOTAL	1.0000	7.0000		11.5000				0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		9.3000				0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		17.6000				11.0000		0.0000 ND
IRON	0.8000	7.0000		19800.0000				36.0000		0.9000
LEAD	3.0000	50.0000	400.0000	9.8000				0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		6040.0000				39.0000		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	327.0000				0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND				0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	10.0000				0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		2950.0000				0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND				0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: *Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-99-1216 Lab ID: P268152	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-210-03259 Lab ID: P268150	Ambient Blank Field ID: Lab ID:	Lab ID: P270064
SILVER	0.3000	7.0000	400.0000	0.0000 ND				5.0000		0.0000 ND
SODIUM	3.0000	30.0000		361.0000				121.0000		0.0000 ND
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND				0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	47.9000				0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	74.4000				11.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-03-0709 Lab ID: P268151	Field ID: KAFB-210-03-1216 Lab ID: P268152	Field ID: KAFB-210-99-1216 Lab ID: P268152	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-210-03259 Lab ID: P268150	Ambient Blank Field ID: Lab ID:	Lab ID: P269131
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
MERCURY	0.1000	0.1000		0.0000 ND				0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-03-0709 Lab ID:	Field ID: KAFB-210-03-1216 Lab ID:	Field ID: KAFB-210-99-1216 Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-210-03259 Lab ID: P268150	Ambient Blank Field ID: Lab ID:	Lab ID:
GASOLINE COMPONENTS	100000.0	1.0000		73000000.0000	9700000.0000	8600000.0000		0.0000 ND		
GASOLINE COMPONENTS	12500.00	1.0000		26000000.0000				0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-03-0709 Lab ID: P268151	Field ID: KAFB-210-03-1216 Lab ID: P268152	Field ID: KAFB-210-99-1216 Lab ID: P268152	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-210-03259 Lab ID: P268150	Ambient Blank Field ID: Lab ID:	Lab ID: P268944
DIESEL COMPONENTS	3500.000	10.0000		1100000.0000	3300000.0000	3100000.0000		0.0000 ND		0.0000 ND
PENTACOSANE	N/A	N/A		0.0000	0.0000	0.0000		78.0000		88.0000
DIESEL COMPONENTS	3500.000	10.0000		1600000.0000				0.0000 ND		0.0000 ND
PENTACOSANE	N/A	N/A		0.0000				78.0000		88.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-03-0709 Lab ID: P268151	Field ID: KAFB-210-03-1216 Lab ID: P268152	Field ID: KAFB-210-99-1216 Lab ID: P268152	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID: P273899
1,1,1-TRICHLOROETHANE	25000.00	0.0050		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
1,1,2,2-TETRACHLOROETHANE	18750.00	0.0050	35.0000	0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
1,1,2-TRICHLOROETHANE	12500.00	0.0050	123.0000	0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
1,1-DICHLOROETHANE	18750.00	0.0050		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
1,1-DICHLOROETHENE	37500.00	0.0050		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
1,2-DICHLOROETHANE	12500.00	0.0050	7.6900	0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
1,2-DICHLOROETHANE-D4	N/A	N/A		0.0000	0.0000	0.0000				7250.0000
1,2-DICHLOROPROPANE	12500.00	0.0050		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		0.0000	0.0000	0.0000				6125.0000
2-CHLOROETHYL VINYL ETHER	18750.00	0.0100		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
2-HEXANONE	25000.00	0.0500		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
ACETONE	25000.00	0.1000	8000.000	0.0000 ND	120.0000	0.0000 ND				0.0000 ND
BENZENE	12500.00	0.0050	24.1000	0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
BROMODICHLOROMETHANE	6250.000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
BROMOFORM	18750.00	0.0050	88.6000	0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
BROMOMETHANE	12500.00	0.0100	32.0000	0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
CARBON DISULFIDE	37500.00	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
CARBON TETRACHLORIDE	37500.00	0.0050		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
CHLOROBENZENE	6250.000	N/A	2160.000	0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
CHLOROETHANE	18750.00	0.0100		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
CHLOROFORM	12500.00	0.0050		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
CHLOROMETHANE	18750.00	0.0100		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
DIBROMOCHLOROMETHANE	12500.00	0.0050		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
ETHYLBENZENE	12500.00	0.0050	8000.000	21000.0000	0.0000 ND	4100.0000				0.0000 ND
M,P-XYLENE (SUM OF ISOMERS)	12500.00	N/A		67000.0000	990.0000	15000.0000				0.0000 ND
METHYL ETHYL KETONE (2-BUTANONE)	56250.00	0.1000	48000.00	0.0000 ND	60.0000	0.0000 ND				0.0000 ND
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	18750.00	0.0500		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
METHYLENE CHLORIDE	18750.00	0.0050	93.3000	0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
O-XYLENE (1,2-DIMETHYLBENZENE)	12500.00	N/A		31000.0000	1900.0000	8400.0000				0.0000 ND
STYRENE	12500.00	0.0050		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
TETRACHLOROETHYLENE(PCE)	18750.00	0.0050	800.0000	0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
TOLUENE	12500.00	0.0050	16000.00	0.0000 ND	11.0000	0.0000 ND				0.0000 ND
TOLUENE-D8	N/A	0.0050		0.0000	0.0000	0.0000				6000.0000
TRICHLOROETHYLENE (TCE)	12500.00	0.0050	63.6000	0.0000 ND	14.0000	0.0000 ND				0.0000 ND
VINYL ACETATE	18750.00	0.0500		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
VINYL CHLORIDE	25000.00	0.0100		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
cis-1,3-DICHLOROPROPENE	12500.00	0.0050		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
trans-1,2-DICHLOROETHENE	25000.00	0.0050		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
trans-1,3-DICHLOROPROPENE	18750.00	0.0050		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
1,1,1-TRICHLOROETHANE	50000.00	0.0050		0.0000 ND						0.0000 ND
1,1,2,2-TETRACHLOROETHANE	37500.00	0.0050	35.0000	0.0000 ND						0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-03-2527 Lab ID: P268154	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID: P273899
1,1,2-TRICHLOROETHANE	25000.00	0.0050	123.0000	0.0000 ND						0.0000 ND
1,1-DICHLOROETHANE	37500.00	0.0050		0.0000 ND						0.0000 ND
1,1-DICHLOROETHENE	75000.00	0.0050		0.0000 ND						0.0000 ND
1,2-DICHLOROETHANE	25000.00	0.0050	7.6900	0.0000 ND						0.0000 ND
1,2-DICHLOROETHANE-D4	N/A	N/A		0.0000						7250.0000
1,2-DICHLOROPROPANE	25000.00	0.0050		0.0000 ND						0.0000 ND
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		0.0000						6125.0000
2-CHLOROETHYL VINYL ETHER	37500.00	0.0100		0.0000 ND						0.0000 ND
2-HEXANONE	50000.00	0.0500		0.0000 ND						0.0000 ND
ACETONE	50000.00	0.1000	8000.000	0.0000 ND						0.0000 ND
BENZENE	25000.00	0.0050	24.1000	0.0000 ND						0.0000 ND
BROMODICHLOROMETHANE	12500.00	0.0050		0.0000 ND						0.0000 ND
BROMOFORM	37500.00	0.0050	88.6000	0.0000 ND						0.0000 ND
BROMOMETHANE	25000.00	0.0100	32.0000	0.0000 ND						0.0000 ND
CARBON DISULFIDE	75000.00	0.0050	8000.000	0.0000 ND						0.0000 ND
CARBON TETRACHLORIDE	75000.00	0.0050		0.0000 ND						0.0000 ND
CHLOROBENZENE	12500.00	N/A	2160.000	0.0000 ND						0.0000 ND
CHLOROETHANE	37500.00	0.0100		0.0000 ND						0.0000 ND
CHLOROFORM	25000.00	0.0050		0.0000 ND						0.0000 ND
CHLOROMETHANE	37500.00	0.0100		0.0000 ND						0.0000 ND
DIBROMOCHLOROMETHANE	25000.00	0.0050		0.0000 ND						0.0000 ND
ETHYLBENZENE	25000.00	0.0050	8000.000	180000.0000						0.0000 ND
M,P-XYLENE (SUM OF ISOMERS)	25000.00	N/A		300000.0000						0.0000 ND
METHYL ETHYL KETONE (2-BUTANONE)	112500.0	0.1000	48000.00	0.0000 ND						0.0000 ND
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	37500.00	0.0500		0.0000 ND						0.0000 ND
METHYLENE CHLORIDE	37500.00	0.0050	93.3000	0.0000 ND						0.0000 ND
O-XYLENE (1,2-DIMETHYLBENZENE)	25000.00	N/A		130000.0000						0.0000 ND
STYRENE	25000.00	0.0050		0.0000 ND						0.0000 ND
TETRACHLOROETHYLENE(PCE)	37500.00	0.0050	800.0000	0.0000 ND						0.0000 ND
TOLUENE	25000.00	0.0050	16000.00	50000.0000						0.0000 ND
TOLUENE-D8	N/A	0.0050		0.0000						6000.0000
TRICHLOROETHYLENE (TCE)	25000.00	0.0050	63.6000	0.0000 ND						0.0000 ND
VINYL ACETATE	37500.00	0.0500		0.0000 ND						0.0000 ND
VINYL CHLORIDE	50000.00	0.0100		0.0000 ND						0.0000 ND
cis-1,3-DICHLOROPROPENE	25000.00	0.0050		0.0000 ND						0.0000 ND
trans-1,2-DICHLOROETHENE	50000.00	0.0050		0.0000 ND						0.0000 ND
trans-1,3-DICHLOROPROPENE	37500.00	0.0050		0.0000 ND						0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-03-0709 Lab ID: P268151	Field ID: KAFB-210-03-1216 Lab ID: P268152	Field ID: KAFB-210-99-1216 Lab ID: P268152	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-210-03259 Lab ID: P268150	Ambient Blank Field ID: Lab ID:	Lab ID: P268898
1,2,4-TRICHLOROBENZENE	1000.000	0.7000	800.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	1000.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	1150.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	1150.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	1350.000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		45.0000	40.0000	45.0000		110.0000		81.0000
2,4,6-TRICHLOROPHENOL	850.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	650.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	1000.000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	1500.000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	1000.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	1150.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	850.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-CHLOROPHENOL	650.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		40.0000	32.0000	40.0000		44.0000		43.0000
2-FLUOROPHENOL	N/A	N/A		80.0000	80.0000	80.0000		85.0000		92.0000
2-METHYLNAPHTHALENE	650.0000	0.7000	3200.000	11000.0000	7300.0000	12000.0000		0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	850.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-NITROANILINE	850.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-NITROPHENOL	650.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	500.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
3-NITROANILINE	850.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	1000.000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	1150.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	1000.000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLOROANILINE	650.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	1000.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	650.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-NITROANILINE	850.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-NITROPHENOL	850.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ACENAPHTHENE	850.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ACENAPHTHYLENE	850.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ANTHRACENE	1000.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	1000.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(a)PYRENE	1000.000	0.7000	959.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	1500.000	0.7000	95.9000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	1350.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	1500.000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
BENZOIC ACID	2850.000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZYL ALCOHOL	500.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	1350.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-03-0709 Lab ID: P268151	Field ID: KAFB-210-03-1216 Lab ID: P268152	Field ID: KAFB-210-99-1216 Lab ID: P268152	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-210-03259 Lab ID: P268150	Ambient Blank Field ID: Lab ID:	Lab ID: P268898
CHRYSENE	1000.000	0.7000	9.5900	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	1000.000	0.7000	8000.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	1500.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	1350.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIBENZOFURAN	850.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	1150.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	1150.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
FLUORANTHENE	1150.000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
FLUORENE	850.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	1000.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	1150.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	1350.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROETHANE	1350.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	1350.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ISOPHORONE	850.0000	0.7000	7370.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	650.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	1150.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NAPHTHALENE	850.0000	0.7000	3200.000	7500.0000	5200.0000	6900.0000		0.0000 ND		0.0000 ND
NITROBENZENE	650.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		40.0000	28.0000	35.0000		44.0000		42.0000
PENTACHLOROPHENOL	1150.000	3.3000	5.8300	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PHENANTHRENE	1150.000	0.7000		2000.0000	960.0000	0.0000 ND		0.0000 ND		0.0000 ND
PHENOL	650.0000	0.3000	48000.00	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		60.0000	60.0000	60.0000		66.0000		90.0000
PYRENE	1150.000	0.7000	2400.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		45.0000	44.0000	50.0000		60.0000		48.0000
bis(2-CHLOROETHOXY) METHANE	850.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	650.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	500.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	3350.000	0.7000	50.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,2,4-TRICHLOROBENZENE	1000.000	0.7000	800.0000	0.0000 ND				0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	1000.000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	1150.000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	1150.000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	1350.000	3.3000		0.0000 ND				0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		35.0000				110.0000		81.0000
2,4,6-TRICHLOROPHENOL	850.0000	0.3000		0.0000 ND				0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	650.0000	0.3000		0.0000 ND				0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	1000.000	0.3000		0.0000 ND				0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	1500.000	3.3000		0.0000 ND				0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	1000.000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-03-2527 Lab ID: P268154	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-210-03259 Lab ID: P268150	Ambient Blank Field ID: Lab ID:	Lab ID: P268898
2,6-DINITROTOLUENE	1150.000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	850.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
2-CHLOROPHENOL	650.0000	0.3000		0.0000 ND				0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		30.0000				44.0000		43.0000
2-FLUOROPHENOL	N/A	N/A		65.0000				85.0000		92.0000
2-METHYLNAPHTHALENE	650.0000	0.7000	3200.000	14000.0000				0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	850.0000	0.3000		0.0000 ND				0.0000 ND		0.0000 ND
2-NITROANILINE	850.0000	3.3000		0.0000 ND				0.0000 ND		0.0000 ND
2-NITROPHENOL	650.0000	0.3000		0.0000 ND				0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	500.0000	1.3000		0.0000 ND				0.0000 ND		0.0000 ND
3-NITROANILINE	850.0000	3.3000		0.0000 ND				0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	1000.000	3.3000		0.0000 ND				0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	1150.000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	1000.000	1.3000		0.0000 ND				0.0000 ND		0.0000 ND
4-CHLOROANILINE	650.0000	1.3000		0.0000 ND				0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	1000.000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	650.0000	0.3000		0.0000 ND				0.0000 ND		0.0000 ND
4-NITROANILINE	850.0000	3.3000		0.0000 ND				0.0000 ND		0.0000 ND
4-NITROPHENOL	850.0000	1.6000		0.0000 ND				0.0000 ND		0.0000 ND
ACENAPHTHENE	850.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
ACENAPHTHYLENE	850.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
ANTHRACENE	1000.000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	1000.000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
BENZO(a)PYRENE	1000.000	0.7000	959.0000	0.0000 ND				0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	1500.000	0.7000	95.9000	0.0000 ND				0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	1350.000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	1500.000	N/A		0.0000 ND				0.0000 ND		0.0000
BENZOIC ACID	2850.000	1.6000		0.0000 ND				0.0000 ND		0.0000 ND
BENZYL ALCOHOL	500.0000	1.3000		0.0000 ND				0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	1350.000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
CHRYSENE	1000.000	0.7000	9.5900	0.0000 ND				0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	1000.000	0.7000	8000.000	0.0000 ND				0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	1500.000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	1350.000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
DIBENZOFURAN	850.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	1150.000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	1150.000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
FLUORANTHENE	1150.000	0.7000	3360.000	0.0000 ND				0.0000 ND		0.0000 ND
FLUORENE	850.0000	0.7000	3360.000	0.0000 ND				0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	1000.000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	1150.000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-03-2527 Lab ID: P268154	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-210-03259 Lab ID: P268150	Ambient Blank Field ID: Lab ID:	Lab ID: P268898
HEXACHLOROCYCLOPENTADIENE	1350.000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
HEXACHLOROETHANE	1350.000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	1350.000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
ISOPHORONE	850.0000	0.7000	7370.000	0.0000 ND				0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	650.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	1150.000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
NAPHTHALENE	850.0000	0.7000	3200.000	11000.0000				0.0000 ND		0.0000 ND
NITROBENZENE	650.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		30.0000				44.0000		42.0000
PENTACHLOROPHENOL	1150.000	3.3000	5.8300	0.0000 ND				0.0000 ND		0.0000 ND
PHENANTHRENE	1150.000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
PHENOL	650.0000	0.3000	48000.00	0.0000 ND				0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		50.0000				66.0000		90.0000
PYRENE	1150.000	0.7000	2400.000	0.0000 ND				0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		40.0000				60.0000		48.0000
bis(2-CHLOROETHOXY) METHANE	850.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	650.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	500.0000	0.7000		0.0000 ND				0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	3350.000	0.7000	50.0000	0.0000 ND				0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-03-0709 Lab ID: P268151	Field ID: Lab ID: P268151	Field ID: KAFB-210-03-1216 Lab ID: P268152	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.4000		8.4000				
pH	N/A	N/A		8.3000	8.4000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-04-0810 Lab ID: P268059	Field ID: KAFB-210-04-1517 Lab ID: P268061	Field ID: KAFB-210-04-3032 Lab ID: P268063	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID: P268873
SOLIDS, PERCENT	N/A	N/A		92.3000	94.8000	84.2000				100.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: *Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-04-0810 Lab ID: P268059	Field ID: KAFB-210-04-1517 Lab ID: P268061	Field ID: KAFB-210-04-3032 Lab ID: P268063	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-210-03249 Lab ID: P268056	Ambient Blank Field ID: Lab ID:	Lab ID: P270064
ALUMINUM	2.0000	50.0000		8080.0000	5710.0000	6610.0000		0.0000 ND		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	171.0000	74.5000	55.6000		0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.5400	0.3200	0.4800		0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND	0.0000 ND		5.0000		0.0000 ND
CALCIUM	2.0000	10.0000		42300.0000	3940.0000	8040.0000		46.0000		0.0000 ND
CHROMIUM, TOTAL	1.0000	7.0000		6.7000	5.1000	5.8000		0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		5.4000	4.6000	5.1000		0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		26.5000	8.4000	41.3000		2.0000		0.0000 ND
IRON	0.8000	7.0000		13100.0000	8570.0000	8590.0000		22.0000		0.9000
LEAD	3.0000	50.0000	400.0000	5.9000	4.0000	10.3000		0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		4340.0000	2630.0000	2230.0000		0.0000 ND		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	197.0000	97.7000	145.0000		0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	7.5000	4.5000	16.4000		0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		1540.0000	1190.0000	620.0000		0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		3.0000		0.0000 ND
SODIUM	3.0000	30.0000		154.0000	188.0000	267.0000		182.0000		0.0000 ND
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	38.1000	19.5000	16.3000		0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	49.0000	24.9000	71.6000		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-04-0810 Lab ID: P268059	Field ID: KAFB-210-04-1517 Lab ID: P268061	Field ID: KAFB-210-04-3032 Lab ID: P268063	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-210-03249 Lab ID: P268056	Ambient Blank Field ID: Lab ID:	Lab ID: P269131
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-04-0810 Lab ID:	Field ID: KAFB-210-04-1517 Lab ID:	Field ID: KAFB-210-04-3032 Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-210-03249 Lab ID: P268056	Ambient Blank Field ID: Lab ID:	Lab ID:
GASOLINE COMPONENTS	100.0000	1.0000		590.0000	57000.0000	91000.0000		0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-04-0810 Lab ID: P268059	Field ID: KAFB-210-04-1517 Lab ID: P268061	Field ID: KAFB-210-04-3032 Lab ID: P268063	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-210-03249 Lab ID: P268056	Ambient Blank Field ID: Lab ID:	Lab ID: P268858
DIESEL COMPONENTS	77.0000	10.0000		0.0000 ND	410000.0000	2100000.0000		0.0000 ND		70.0000
PENTACOSANE	N/A	N/A		2830.0000	2260.0000	0.0000		87.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-04-0810 Lab ID: P268059	Field ID: KAFB-210-04-1517 Lab ID: P268061	Field ID: KAFB-210-04-3032 Lab ID: P268063	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID: P273897
1,1,1-TRICHLOROETHANE	4.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
1,1,2,2-TETRACHLOROETHANE	3.0000	0.0050	35.0000	0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
1,1,2-TRICHLOROETHANE	2.0000	0.0050	123.0000	0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
1,1-DICHLOROETHANE	3.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
1,1-DICHLOROETHENE	6.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
1,2-DICHLOROETHANE	2.0000	0.0050	7.6900	0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
1,2-DICHLOROETHANE-D4	N/A	N/A		60.0000	0.0000	0.0000				51.0000
1,2-DICHLOROPROPANE	2.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		53.0000	0.0000	0.0000				45.0000
2-CHLOROETHYL VINYL ETHER	3.0000	0.0100		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
2-HEXANONE	4.0000	0.0500		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
ACETONE	4.0000	0.1000	8000.000	11.0000	0.0000 ND	0.0000 ND				0.0000 ND
BENZENE	2.0000	0.0050	24.1000	0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
BROMODICHLOROMETHANE	1.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
BROMOFORM	3.0000	0.0050	88.6000	0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
BROMOMETHANE	2.0000	0.0100	32.0000	0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
CARBON DISULFIDE	6.0000	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
CARBON TETRACHLORIDE	6.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
CHLOROBENZENE	1.0000	N/A	2160.000	1.0000	0.0000 ND	0.0000 ND				1.0000
CHLOROETHANE	3.0000	0.0100		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
CHLOROFORM	2.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
CHLOROMETHANE	3.0000	0.0100		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
DIBROMOCHLOROMETHANE	2.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
ETHYLBENZENE	2.0000	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
M,P-XYLENE (SUM OF ISOMERS)	2.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
METHYL ETHYL KETONE (2-BUTANONE)	9.0000	0.1000	48000.00	0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	3.0000	0.0500		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
METHYLENE CHLORIDE	3.0000	0.0050	93.3000	0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
O-XYLENE (1,2-DIMETHYLBENZENE)	2.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
STYRENE	2.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
TETRACHLOROETHYLENE(PCE)	3.0000	0.0050	800.0000	0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
TOLUENE	2.0000	0.0050	16000.00	0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
TOLUENE-D8	N/A	0.0050		59.0000	0.0000	0.0000				53.0000
TRICHLOROETHYLENE (TCE)	2.0000	0.0050	63.6000	0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
VINYL ACETATE	3.0000	0.0500		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
VINYL CHLORIDE	4.0000	0.0100		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
cis-1,3-DICHLOROPROPENE	2.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
trans-1,2-DICHLOROETHENE	4.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
trans-1,3-DICHLOROPROPENE	3.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-04-0810 Lab ID: P268059	Field ID: KAFB-210-04-1517 Lab ID: P268061	Field ID: KAFB-210-04-3032 Lab ID: P268063	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-210-03249 Lab ID: P268056	Ambient Blank Field ID: Lab ID:	Lab ID: P268856
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		50.0000	43.0000	43.0000		0.0000 ND		64.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		42.0000	43.0000	33.0000		83.0000		42.0000
2-FLUOROPHENOL	N/A	N/A		76.0000	71.0000	80.0000		0.0000 ND		87.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	1200.0000	10000.0000		0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-04-0810 Lab ID: P268059	Field ID: KAFB-210-04-1517 Lab ID: P268061	Field ID: KAFB-210-04-3032 Lab ID: P268063	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-210-03249 Lab ID: P268056	Ambient Blank Field ID: Lab ID:	Lab ID: P268856
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND	770.0000		0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	860.0000		0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	650.0000	12000.0000		0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		42.0000	42.0000	33.0000		85.0000		42.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND	1600.0000		0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		84.0000	80.0000	65.0000		0.0000 ND		89.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		54.0000	54.0000	53.0000		110.0000		54.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	100.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND	880.0000		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-04-0810 Lab ID: P268059	Field ID: KAFB-210-04-1517 Lab ID: P268061	Field ID: KAFB-210-04-3032 Lab ID: P268063	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		7.8000	8.4000	7.5000				

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-05-0810 Lab ID: 0360700003SA	Field ID: KAFB-210-05-1517 Lab ID: 0360700004SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		13.0000	10.0000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-05-0810 Lab ID: 0360700003SA	Field ID: KAFB-210-05-1517 Lab ID: 0360700004MS	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-210-06089 Lab ID: 0360700002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		102.0000 %	105.0000 %			98.0000 %		
BENZENE	0.0290	N/A	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0290	N/A	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
GASOLINE COMPONENTS	0.5700	N/A		0.0000 ND	0.0000 ND			5.9000		
TOLUENE	0.0290	N/A	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0290	N/A	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

ANALYTCAL DATA SUMMARY

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-05-0810 Lab ID: 0360700003SA	Field ID: KAFB-210-05-1517 Lab ID: 0360700004MS	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-060894 Lab ID: 0360700001TB	Equipment Blank Field ID: KAFB-EB-210-06089 Lab ID: 0360700002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0034	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0057	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0057	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0046	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0057	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0046	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		94.0000 %	97.0000 %		98.0000 %	100.0000 %		
1,2-DICHLOROPROPANE	0.0034	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		93.0000 %	92.0000 %		98.0000 %	94.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ACETONE	0.0110	0.1000	8000.000	0.0067 TR	0.0000 ND		0.0000 ND	23.0000		
BENZENE	0.0023	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0023	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0057	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0046	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0057	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0034	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0023	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0023	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0069	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0046	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0023	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0034	0.0050	93.3000	0.0160	0.0058		3.2000 =	2.4000 TR		
STYRENE	0.0057	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0023	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0034	0.0050	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		100.0000 %	101.0000 %		100.0000 %	98.0000 %		
TRICHLOROETHYLENE (TCE)	0.0034	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0080	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0046	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0057	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0057	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0057	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0034	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-06-0709 Lab ID: 0360700005SA	Field ID: KAFB-210-06-1214 Lab ID: 0360700007SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		8.8000	11.0000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-06-0709 Lab ID: 0360700005SA	Field ID: KAFB-210-06-1214 Lab ID: 0360700007SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-210-06089 Lab ID: 0360700002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		102.0000 %	104.0000 %			98.0000 %		
BENZENE	0.0270	N/A	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0270	N/A	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
GASOLINE COMPONENTS	0.5500	N/A		0.0000 ND	0.0000 ND			5.9000		
TOLUENE	0.0270	N/A	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0270	N/A	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-06-0709 Lab ID: 0360700005SA	Field ID: KAFB-210-06-1214 Lab ID: 0360700007SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-060894 Lab ID: 0360700001TB	Equipment Blank Field ID: KAFB-EB-210-06089 Lab ID: 0360700002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0055	0.0050	35.0000	0.0000 ND	0.0061		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0055	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0044	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0055	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0044	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		97.0000 %	100.0000 %		98.0000 %	100.0000 %		
1,2-DICHLOROPROPANE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		90.0000 %	84.0000 %		98.0000 %	94.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ACETONE	0.0110	0.1000	8000.000	0.0077 TR	0.0000 ND		0.0000 ND	23.0000		
BENZENE	0.0022	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0022	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0055	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0044	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0055	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0022	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0022	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0066	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0044	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0022	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0033	0.0050	93.3000	0.0049	0.0053		3.2000 =	2.4000 TR		
STYRENE	0.0055	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0022	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0033	0.0050	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		105.0000 %	100.0000 %		100.0000 %	98.0000 %		
TRICHLOROETHYLENE (TCE)	0.0033	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0077	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0044	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0055	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0055	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0055	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-07-0709 Lab ID: 0360700018SA	Field ID: KAFB-210-07-1214 Lab ID: 0360700019SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		11.0000	6.7000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-07-0709 Lab ID: 0360700018SA	Field ID: KAFB-210-07-1214 Lab ID: 0360700019SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-210-06099 Lab ID: 0360700015EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		0.0000 ND	0.0000 ND			99.0000 %		
BENZENE	5.6000	N/A	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
ETHYLBENZENE	5.6000	N/A	8000.000	42.0000	48.0000		0.0000 ND	0.0000 ND	1.7000 TR	
GASOLINE COMPONENTS	110.0000	N/A		1300.0000	1500.0000			5.8000		
TOLUENE	5.6000	N/A	16000.00	3.7000 TR	5.3000 TR		0.0000 ND	0.0000 ND	0.0000 ND	
XYLENES, TOTAL	5.6000	N/A	160000.0	80.0000	81.0000		0.0000 ND	0.0000 ND	4.5000 TR	

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-07-0709 Lab ID: 0360700018SA	Field ID: KAFB-210-07-1214 Lab ID: 0360700019SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-060994 Lab ID: 0360700014TB	Equipment Blank Field ID: KAFB-EB-210-06099 Lab ID: 0360700015EB	Ambient Blank Field ID: KAFB-AB-210-06099 Lab ID: 0360700017AB	Lab ID:
1,1,1-TRICHLOROETHANE	0.3400	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
1,1,2,2-TETRACHLOROETHANE	0.2200	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
1,1,2-TRICHLOROETHANE	0.5600	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
1,1-DICHLOROETHANE	0.4500	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
1,1-DICHLOROETHENE	0.5600	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
1,2-DICHLOROETHANE	0.4500	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
1,2-DICHLOROETHANE-D4	N/A	N/A		101.0000 %	97.0000 %		101.0000 %	97.0000 %	100.0000 %	
1,2-DICHLOROPROPANE	0.3400	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		105.0000 %	104.0000 %		95.0000 %	96.0000 %	106.0000 %	
2-CHLOROETHYL VINYL ETHER	N/A	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
2-HEXANONE	1.1000	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
ACETONE	1.1000	0.1000	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	11.0000	3.8000 TR	
BENZENE	0.2200	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
BROMODICHLOROMETHANE	0.2200	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
BROMOFORM	0.5600	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
BROMOMETHANE	0.4500	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
CARBON DISULFIDE	0.5600	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
CARBON TETRACHLORIDE	0.3400	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
CHLOROBENZENE	0.2200	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
CHLOROETHANE	1.1000	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
CHLOROFORM	0.2200	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
CHLOROMETHANE	0.6700	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
DIBROMOCHLOROMETHANE	0.4500	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
ETHYLBENZENE	0.2200	0.0050	8000.000	5.2000	6.7000		0.0000 ND	0.0000 ND	1.7000 TR	
METHYL ETHYL KETONE (2-BUTANONE)	1.1000	0.1000	48000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	1.1000	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
METHYLENE CHLORIDE	0.3400	0.0050	93.3000	0.2200 TR	0.2400 TR		3.8000 =	3.7000	25.0000	
STYRENE	0.5600	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
TETRACHLOROETHYLENE(PCE)	0.3400	0.0050	800.0000	0.2700 TR	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
TOLUENE	0.5600	0.0050	16000.00	0.6800	0.9500		0.0000 ND	0.0000 ND	0.0000 ND	
TOLUENE-D8	N/A	0.0050		109.0000 %	115.0000 %		97.0000 %	99.0000 %	100.0000 %	
TRICHLOROETHYLENE (TCE)	0.3400	0.0050	63.6000	0.1200 TR	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
VINYL ACETATE	0.7800	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
VINYL CHLORIDE	0.4500	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
XYLENES, TOTAL	0.5600	0.0050	160000.0	25.0000	29.0000		0.0000 ND	0.0000 ND	4.5000 TR	
cis-1,3-DICHLOROPROPENE	0.5600	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
trans-1,2-DICHLOROETHENE	0.5600	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
trans-1,3-DICHLOROPROPENE	0.3400	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-07-2224 Lab ID: 0361310003SA	Field ID: KAFB-210-99-2224 Lab ID: 0361310003SA	Field ID: KAFB-210-07-3236 Lab ID: 0361310005SA	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		13.0000	6.1000	2.2000				
MOISTURE, PERCENT	0.1000	N/A		2.2000	18.0000	12.0000				

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-07-2224 Lab ID: 0361310003SA	Field ID: KAFB-210-99-2224 Lab ID: 0361310003SA	Field ID: KAFB-210-07-3236 Lab ID: 0361310005SA	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-210-06109 Lab ID: 0361300002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		0.0000 ND	0.0000 ND	95.0000 %		98.0000 %		
BENZENE	1.4000	N/A	24.1000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ETHYLBENZENE	1.4000	N/A	8000.000	45.0000	44.0000	0.0000 ND	0.0000 ND	0.0000 ND		
GASOLINE COMPONENTS	29.0000	N/A		1800.0000	1900.0000	0.3000 TR		0.0000 ND		
TOLUENE	1.4000	N/A	16000.00	10.0000	8.8000	0.0000 ND	0.0000 ND	0.0000 ND		
XYLENES, TOTAL	1.4000	N/A	160000.0	32.0000	27.0000	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		95.0000 %	101.0000 %	94.0000 %		98.0000 %		
BENZENE	0.0260	N/A	24.1000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0260	N/A	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
GASOLINE COMPONENTS	0.5200	N/A		0.3000 TR	0.0000 ND	0.0000 ND		0.0000 ND		
TOLUENE	0.0260	N/A	16000.00	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0260	N/A	160000.0	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: SW3550: Sonication Extraction
Method Analytical: M8015:
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: M8015:
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-07-3236 Lab ID: 0361310005SA	Field ID: KAFB-210-99-3236 Lab ID: 0361310005SA	Field ID: KAFB-210-07-4244 Lab ID: 0361310007SA	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-210-06109 Lab ID: 0361310002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
DIESEL COMPONENTS	4.1000	N/A		110.0000	60.0000	11.0000		0.0000 ND		
o-TERPHENYL	N/A	N/A		94.0000 %	107.0000 %	95.0000 %		94.0000 %		
DIESEL COMPONENTS	4.5000	N/A		5.5000				0.0000 ND		
o-TERPHENYL	N/A	N/A		100.0000 %				94.0000 %		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: *Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-07-3236 Lab ID: 0361310005SA	Field ID: KAFB-210-99-3236 Lab ID: 0361310005SA	Field ID: KAFB-210-07-4244 Lab ID: 0361310007SA	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-210-06109 Lab ID: 0361310002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
ALUMINUM	30.7000	50.0000		1390.0000	2220.0000	3610.0000		0.0000 ND		
ANTIMONY	51.1000	40.0000	32.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
ARSENIC	30.7000	60.0000	38.9000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
BARIUM	1.0000	2.0000	5600.000	28.5000	48.5000	51.3000		0.0019 TR		
BERYLLIUM	0.4100	0.3000	16.3000	0.2500 TR	0.3700 TR	0.5900 TR		0.0000 ND		
CADMIUM	0.5100	4.0000	40.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
CALCIUM	51.1000	10.0000		2440.0000	4040.0000	160000.0000		0.3400 TR		
CHROMIUM, TOTAL	4.1000	7.0000		1.7000 TR	4.9000	0.0000 ND		0.0000 ND		
COBALT	4.1000	7.0000		2.2000 TR	2.6000 TR	2.5000 TR		0.0000 ND		
COPPER	2.0000	6.0000		10.2000	126.0000	25.2000		0.0700		
IRON	5.1000	7.0000		3660.0000	5800.0000	4770.0000		0.0510		
LEAD	5.1000	50.0000	400.0000	5.8000	6.4000	8.5000 TR		0.0570 TR		
MAGNESIUM	40.9000	30.0000		733.0000	928.0000	2700.0000		0.0000 ND		
MANGANESE	1.0000	2.0000	400.0000	94.7000	104.0000	541.0000		0.0000 ND		
MOLYBDENUM	4.1000	8.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
NICKEL	6.1000	15.0000	1600.000	4.1000 TR	25.6000	4.5000 TR		0.0000 ND		
POTASSIUM	102.0000	500.0000		281.0000	365.0000	1110.0000		0.0000 ND		
SELENIUM	51.1000	80.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
SILVER	4.1000	7.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
SODIUM	102.0000	30.0000		246.0000	306.0000	362.0000		0.4400 TR		
THALLIUM	20.4000	40.0000	7.2000	13.2000 TR	20.4000 TR	402.0000		0.0000 ND		
TIN	51.1000			0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
VANADIUM	3.1000	8.0000	720.0000	7.3000	12.6000	10.6000		0.0000 ND		
ZINC	2.0000	2.0000	24000.00	16.0000	94.6000	22.9000		0.1000		
ALUMINUM	34.1000	50.0000		1620.0000				0.0000 ND		
ANTIMONY	56.9000	40.0000	32.0000	0.0000 ND				0.0000 ND		
ARSENIC	34.1000	60.0000	38.9000	0.0000 ND				0.0000 ND		
BARIUM	1.1000	2.0000	5600.000	28.7000				0.0019 TR		
BERYLLIUM	0.4500	0.3000	16.3000	0.2700 TR				0.0000 ND		
CADMIUM	0.5700	4.0000	40.0000	0.0000 ND				0.0000 ND		
CALCIUM	56.9000	10.0000		1090.0000				0.3400 TR		
CHROMIUM, TOTAL	4.5000	7.0000		2.3000 TR				0.0000 ND		
COBALT	4.5000	7.0000		2.6000 TR				0.0000 ND		
COPPER	2.3000	6.0000		189.0000				0.0700		
IRON	5.7000	7.0000		5030.0000				0.0510		
LEAD	5.7000	50.0000	400.0000	4.2000 TR				0.0570 TR		
MAGNESIUM	45.5000	30.0000		862.0000				0.0000 ND		
MANGANESE	1.1000	2.0000	400.0000	66.1000				0.0000 ND		
MOLYBDENUM	4.5000	8.0000	400.0000	0.0000 ND				0.0000 ND		
NICKEL	6.8000	15.0000	1600.000	3.9000 TR				0.0000 ND		
POTASSIUM	114.0000	500.0000		287.0000				0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: *Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-07-5254 Lab ID: 0361310008MS	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-210-06109 Lab ID: 0361310002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
SELENIUM	56.9000	80.0000	400.0000	0.0000 ND				0.0000 ND		
SILVER	4.5000	7.0000	400.0000	0.0000 ND				0.0000 ND		
SODIUM	114.0000	30.0000		228.0000				0.4400 TR		
THALLIUM	22.7000	40.0000	7.2000	0.0000 ND				0.0000 ND		
TIN	56.9000			0.0000 ND				0.0000 ND		
VANADIUM	3.4000	8.0000	720.0000	9.0000				0.0000 ND		
ZINC	2.3000	2.0000	24000.00	120.0000				0.1000		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-07-3236 Lab ID: 0361310005SA	Field ID: KAFB-210-99-3236 Lab ID: 0361310005SA	Field ID: KAFB-210-07-4244 Lab ID: 0361310007SA	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-210-06109 Lab ID: 0361310002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
MERCURY	0.1100	0.1000		0.0000 ND				0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-07-2224 Lab ID: 0361310003SA	Field ID: KAFB-210-99-2224 Lab ID: 0361310003SA	Field ID: KAFB-210-07-3236 Lab ID: 0361310005SA	Trip Blank Field ID: KAFB-TB-01-061094 Lab ID: 0361310001TB	Equipment Blank Field ID: KAFB-EB-210-06109 Lab ID: 0361310002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	6.9000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	4.6000	0.0050	35.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	12.0000	0.0050	123.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	9.2000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	12.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	9.2000	0.0050	7.6900	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		0.0000 ND	0.0000 ND	102.0000 %	94.0000 %	100.0000 %		
1,2-DICHLOROPROPANE	6.9000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		0.0000 ND	0.0000 ND	100.0000 %	94.0000 %	95.0000 %		
2-CHLOROETHYL VINYL ETHER	N/A	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
2-HEXANONE	23.0000	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ACETONE	23.0000	0.1000	8000.000	8.5000 TR	0.0000 ND	0.0000 ND	0.0000 ND	5.1000 TR		
BENZENE	4.6000	0.0050	24.1000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	4.6000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMOFORM	12.0000	0.0050	88.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMOMETHANE	9.2000	0.0100	32.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CARBON DISULFIDE	12.0000	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	6.9000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROBENZENE	4.6000	N/A	2160.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROETHANE	23.0000	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROFORM	4.6000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROMETHANE	14.0000	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	9.2000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ETHYLBENZENE	4.6000	0.0050	8000.000	0.0000 ND	20.0000	0.0000 ND	0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	23.0000	0.1000	48000.00	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	23.0000	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	6.9000	0.0050	93.3000	18.0000	8.6000	0.0038	4.2000 =	6.6000		
STYRENE	12.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	6.9000	0.0050	800.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TOLUENE	12.0000	0.0050	16000.00	25.0000	7.6000 TR	0.0000 ND	0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		0.0000 ND	0.0000 ND	101.0000 %	98.0000 %	99.0000 %		
TRICHLOROETHYLENE (TCE)	6.9000	0.0050	63.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
VINYL ACETATE	16.0000	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
VINYL CHLORIDE	9.2000	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
XYLENES, TOTAL	12.0000	0.0050	160000.0	250.0000	91.0000	0.0000 ND	0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	12.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	12.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	6.9000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,1-TRICHLOROETHANE	0.0031	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0052	0.0050	35.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0052	0.0050	123.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-99-3236 Lab ID: 0361310005SA	Field ID: KAFB-210-07-4244 Lab ID:	Field ID: KAFB-210-07-5254 Lab ID: 0361310008SA	Trip Blank Field ID: KAFB-TB-01-061094 Lab ID: 0361310001TB	Equipment Blank Field ID: KAFB-EB-210-06109 Lab ID: 0361310002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1-DICHLOROETHANE	0.0041	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0052	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0041	0.0050	7.6900	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		102.0000 %	100.0000 %	98.0000 %	94.0000 %	100.0000 %		
1,2-DICHLOROPROPANE	0.0031	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		100.0000 %	75.0000 %	96.0000 %	94.0000 %	95.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0100	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
2-HEXANONE	0.0100	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ACETONE	0.0100	0.1000	8000.000	0.0000 ND	0.0000 ND	0.0049 TR	0.0000 ND	5.1000 TR		
BENZENE	0.0021	0.0050	24.1000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0021	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMOFORM	0.0052	0.0050	88.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0041	0.0100	32.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0052	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0031	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0021	N/A	2160.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0100	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROFORM	0.0021	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0062	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0041	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0021	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0100	0.1000	48000.00	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0100	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0031	0.0050	93.3000	0.0038	0.0056	0.0048	4.2000 =	6.6000		
STYRENE	0.0052	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0021	0.0050	800.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TOLUENE	0.0031	0.0050	16000.00	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		101.0000 %	107.0000 %	102.0000 %	98.0000 %	99.0000 %		
TRICHLOROETHYLENE (TCE)	0.0031	0.0050	63.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0072	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0041	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0052	0.0050	160000.0	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0052	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0052	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0031	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-07-3236 Lab ID: 0361310005SA	Field ID: KAFB-210-99-3236 Lab ID: 0361310005SA	Field ID: KAFB-210-07-4244 Lab ID: 0361310007SA	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-210-06109 Lab ID: 0361310002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,2,4-TRICHLOROBENZENE	0.3100	0.7000	800.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
1,2-DICHLOROBENZENE	0.1500	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
1,3-DICHLOROBENZENE	0.1500	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
1,4-DICHLOROBENZENE	0.1100	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2,4,5-TRICHLOROPHENOL	0.4300	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2,4,6-TRIBROMOPHENOL	N/A	N/A		78.0000 %	87.0000 %	85.0000 %		102.0000 %		
2,4,6-TRICHLOROPHENOL	0.1300	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2,4-DICHLOROPHENOL	0.3100	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2,4-DIMETHYLPHENOL	0.3100	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2,4-DINITROPHENOL	3.1000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2,4-DINITROTOLUENE	0.3100	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2,6-DINITROTOLUENE	0.3100	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2-CHLORONAPHTHALENE	0.2800	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2-CHLOROPHENOL	0.1500	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2-FLUOROBIPHENYL	N/A	N/A		77.0000 %	82.0000 %	90.0000 %		74.0000 %		
2-FLUOROPHENOL	N/A	N/A		85.0000 %	88.0000 %	87.0000 %		91.0000 %		
2-METHYLNAPHTHALENE	0.3100	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2-METHYLPHENOL (o-CRESOL)	0.2400	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2-NITROANILINE	1.6000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2-NITROPHENOL	0.2600	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
3,3'-DICHLOROBENZIDINE	0.3100	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
3-NITROANILINE	0.1600	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
4,6-DINITRO-2-METHYLPHENOL	1.6000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
4-BROMOPHENYL PHENYL ETHER	0.2600	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
4-CHLORO-3-METHYLPHENOL	0.3100	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
4-CHLOROANILINE	0.3100	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
4-CHLOROPHENYL PHENYL ETHER	0.2100	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
4-METHYLPHENOL (p-CRESOL)	0.2100	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
4-NITROANILINE	1.6000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
4-NITROPHENOL	1.6000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
ACENAPHTHENE	0.3100	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
ACENAPHTHYLENE	0.1200	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
ANTHRACENE	0.1900	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
BENZO(a)ANTHRACENE	0.0850	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
BENZO(a)PYRENE	0.3100	0.7000	959.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
BENZO(b)FLUORANTHENE	0.2800	0.7000	95.9000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
BENZO(g,h,i)PERYLENE	0.3100	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
BENZO(k)FLUORANTHENE	0.3100	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
BENZOIC ACID	3.1000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
BENZYL ALCOHOL	0.3100	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
BENZYL BUTYL PHTHALATE	0.3000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-07-3236 Lab ID: 0361310005SA	Field ID: KAFB-210-99-3236 Lab ID: 0361310005SA	Field ID: KAFB-210-07-4244 Lab ID: 0361310007SA	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-210-06109 Lab ID: 0361310002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
CHRYSENE	0.1100	0.7000	9.5900	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
DI-n-BUTYL PHTHALATE	0.3100	0.7000	8000.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
DI-n-OCTYLPHTHALATE	0.2500	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
DIBENZ(a,h)ANTHRACENE	0.3100	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
DIBENZOFURAN	0.2600	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
DIETHYL PHTHALATE	0.3100	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
DIMETHYL PHTHALATE	0.3100	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
FLUORANTHENE	0.2400	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
FLUORENE	0.1500	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
HEXACHLOROBENZENE	0.3100	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
HEXACHLOROBUTADIENE	0.3100	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
HEXACHLOROCYCLOPENTADIENE	3.1000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
HEXACHLOROETHANE	0.1500	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
INDENO(1,2,3-c,d)PYRENE	0.3100	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
ISOPHORONE	0.1500	0.7000	7370.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
N-NITROSODI-n-PROPYLAMINE	0.3100	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
N-NITROSODIPHENYLAMINE	0.3100	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
NAPHTHALENE	0.1900	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
NITROBENZENE	0.2400	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
NITROBENZENE-D5	N/A	0.7000		104.0000 %	100.0000 %	93.0000 %		95.0000 %		
PENTACHLOROPHENOL	1.0000	3.3000	5.8300	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
PHENANTHRENE	0.2800	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
PHENOL	0.3100	0.3000	48000.00	0.9600	1.5000	1.7000		0.0000 ND		
PHENOL-D5	N/A	N/A		90.0000 %	86.0000 %	91.0000 %		98.0000 %		
PYRENE	0.2600	0.7000	2400.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
TERPHENYL-D14	N/A	N/A		83.0000 %	71.0000 %	85.0000 %		69.0000 %		
bis(2-CHLOROETHOXY) METHANE	0.2500	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	0.1600	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
bis(2-CHLOROISOPROPYL) ETHER	0.3100	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
bis(2-ETHYLHEXYL) PHTHALATE	0.2700	0.7000	50.0000	0.0370 TR	0.3500	0.2000 TR		1.0000 TR		
1,2,4-TRICHLOROBENZENE	0.3400	0.7000	800.0000	0.0000 ND				0.0000 ND		
1,2-DICHLOROBENZENE	0.1700	0.7000		0.0000 ND				0.0000 ND		
1,3-DICHLOROBENZENE	0.1700	0.7000		0.0000 ND				0.0000 ND		
1,4-DICHLOROBENZENE	0.1300	0.7000		0.0000 ND				0.0000 ND		
2,4,5-TRICHLOROPHENOL	0.4800	3.3000		0.0000 ND				0.0000 ND		
2,4,6-TRIBROMOPHENOL	N/A	N/A		102.0000 %				102.0000 %		
2,4,6-TRICHLOROPHENOL	0.1500	0.3000		0.0000 ND				0.0000 ND		
2,4-DICHLOROPHENOL	0.3400	0.3000		0.0000 ND				0.0000 ND		
2,4-DIMETHYLPHENOL	0.3400	0.3000		0.0000 ND				0.0000 ND		
2,4-DINITROPHENOL	3.4000	3.3000		0.0000 ND				0.0000 ND		
2,4-DINITROTOLUENE	0.3400	0.7000		0.0000 ND				0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-07-5254 Lab ID: 0361310008MS	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-210-06109 Lab ID: 0361310002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
2,6-DINITROTOLUENE	0.3400	0.7000		0.0000 ND				0.0000 ND		
2-CHLORONAPHTHALENE	0.3100	0.7000		0.0000 ND				0.0000 ND		
2-CHLOROPHENOL	0.1700	0.3000		0.0000 ND				0.0000 ND		
2-FLUOROBIPHENYL	N/A	N/A		97.0000 %				74.0000 %		
2-FLUOROPHENOL	N/A	N/A		91.0000 %				91.0000 %		
2-METHYLNAPHTHALENE	0.3400	0.7000	3200.000	0.0000 ND				0.0000 ND		
2-METHYLPHENOL (o-CRESOL)	0.2600	0.3000		0.0000 ND				0.0000 ND		
2-NITROANILINE	1.8000	3.3000		0.0000 ND				0.0000 ND		
2-NITROPHENOL	0.2800	0.3000		0.0000 ND				0.0000 ND		
3,3'-DICHLOROBENZIDINE	0.3400	1.3000		0.0000 ND				0.0000 ND		
3-NITROANILINE	0.1800	3.3000		0.0000 ND				0.0000 ND		
4,6-DINITRO-2-METHYLPHENOL	1.8000	3.3000		0.0000 ND				0.0000 ND		
4-BROMOPHENYL PHENYL ETHER	0.2800	0.7000		0.0000 ND				0.0000 ND		
4-CHLORO-3-METHYLPHENOL	0.3400	1.3000		0.0000 ND				0.0000 ND		
4-CHLOROANILINE	0.3400	1.3000		0.0000 ND				0.0000 ND		
4-CHLOROPHENYL PHENYL ETHER	0.2400	0.7000		0.0000 ND				0.0000 ND		
4-METHYLPHENOL (p-CRESOL)	0.2400	0.3000		0.0000 ND				0.0000 ND		
4-NITROANILINE	1.8000	3.3000		0.0000 ND				0.0000 ND		
4-NITROPHENOL	1.8000	1.6000		0.0000 ND				0.0000 ND		
ACENAPHTHENE	0.3400	0.7000		0.0000 ND				0.0000 ND		
ACENAPHTHYLENE	0.1400	0.7000		0.0000 ND				0.0000 ND		
ANTHRACENE	0.2200	0.7000		0.0000 ND				0.0000 ND		
BENZO(a)ANTHRACENE	0.0940	0.7000		0.0000 ND				0.0000 ND		
BENZO(a)PYRENE	0.3400	0.7000	959.0000	0.0000 ND				0.0000 ND		
BENZO(b)FLUORANTHENE	0.3100	0.7000	95.9000	0.0000 ND				0.0000 ND		
BENZO(g,h,i)PERYLENE	0.3400	0.7000		0.0000 ND				0.0000 ND		
BENZO(k)FLUORANTHENE	0.3400	N/A		0.0000 ND				0.0000 ND		
BENZOIC ACID	3.4000	1.6000		0.0000 ND				0.0000 ND		
BENZYL ALCOHOL	0.3400	1.3000		0.0000 ND				0.0000 ND		
BENZYL BUTYL PHTHALATE	0.3300	0.7000		0.0000 ND				0.0000 ND		
CHRYSENE	0.1300	0.7000	9.5900	0.0000 ND				0.0000 ND		
DI-n-BUTYL PHTHALATE	0.3400	0.7000	8000.000	0.0000 ND				0.0000 ND		
DI-n-OCTYLPHTHALATE	0.2700	0.7000		0.0000 ND				0.0000 ND		
DIBENZ(a,h)ANTHRACENE	0.3400	0.7000		0.0000 ND				0.0000 ND		
DIBENZOFURAN	0.2800	0.7000		0.0000 ND				0.0000 ND		
DIETHYL PHTHALATE	0.3400	0.7000		0.0000 ND				0.0000 ND		
DIMETHYL PHTHALATE	0.3400	0.7000		0.0000 ND				0.0000 ND		
FLUORANTHENE	0.2600	0.7000	3360.000	0.0000 ND				0.0000 ND		
FLUORENE	0.1700	0.7000	3360.000	0.0000 ND				0.0000 ND		
HEXACHLOROBENZENE	0.3400	0.7000		0.0000 ND				0.0000 ND		
HEXACHLOROBUTADIENE	0.3400	0.7000		0.0000 ND				0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-07-5254 Lab ID: 0361310008MS	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-210-06109 Lab ID: 0361310002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
HEXACHLOROCYCLOPENTADIENE	3.4000	0.7000		0.0000 ND				0.0000 ND		
HEXACHLOROETHANE	0.1700	0.7000		0.0000 ND				0.0000 ND		
INDENO(1,2,3-c,d)PYRENE	0.3400	0.7000		0.0000 ND				0.0000 ND		
ISOPHORONE	0.1700	0.7000	7370.000	0.0000 ND				0.0000 ND		
N-NITROSODI-n-PROPYLAMINE	0.3400	0.7000		0.0000 ND				0.0000 ND		
N-NITROSODIPHENYLAMINE	0.3400	0.7000		0.0000 ND				0.0000 ND		
NAPHTHALENE	0.2200	0.7000	3200.000	0.0000 ND				0.0000 ND		
NITROBENZENE	0.2600	0.7000		0.0000 ND				0.0000 ND		
NITROBENZENE-D5	N/A	0.7000		98.0000 %				95.0000 %		
PENTACHLOROPHENOL	1.1000	3.3000	5.8300	0.0000 ND				0.0000 ND		
PHENANTHRENE	0.3100	0.7000		0.0000 ND				0.0000 ND		
PHENOL	0.3400	0.3000	48000.00	0.4200				0.0000 ND		
PHENOL-D5	N/A	N/A		96.0000 %				98.0000 %		
PYRENE	0.2800	0.7000	2400.000	0.0000 ND				0.0000 ND		
TERPHENYL-D14	N/A	N/A		94.0000 %				69.0000 %		
bis(2-CHLOROETHOXY) METHANE	0.2700	0.7000		0.0000 ND				0.0000 ND		
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	0.1800	0.7000		0.0000 ND				0.0000 ND		
bis(2-CHLOROISOPROPYL) ETHER	0.3400	0.7000		0.0000 ND				0.0000 ND		
bis(2-ETHYLHEXYL) PHTHALATE	0.3000	0.7000	50.0000	0.1300 TR				1.0000 TR		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-07-3236 Lab ID:	Field ID: KAFB-210-99-3236 Lab ID:	Field ID: KAFB-210-07-4244 Lab ID: 0361310007SA	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.1000	8.7000	9.0000				
pH	N/A	N/A		8.5000						

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

ANALYTCAL DATA SUMMARY

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-08-0810 Lab ID: 0360700006SA	Field ID: KAFB-210-08-1517 Lab ID: 0360700008SA	Field ID: KAFB-210-08-2527 Lab ID: 0360700009SA	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		2.9000	8.9000	8.7000				
MOISTURE, PERCENT	0.1000	N/A		2.3000	17.0000	17.0000				

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-08-0810 Lab ID: 0360700006SA	Field ID: KAFB-210-08-1517 Lab ID: 0360700008SA	Field ID: KAFB-210-08-2527 Lab ID: 0360700009SA	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-210-06089 Lab ID: 0360700002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		100.0000 %	128.0000 %	0.0000 ND		98.0000 %		
BENZENE	0.0260	N/A	24.1000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0260	N/A	8000.000	0.0000 ND	0.0000 ND	49.0000	0.0000 ND	0.0000 ND		
GASOLINE COMPONENTS	0.5100	N/A		0.0000 ND	78.0000	1600.0000		5.9000		
TOLUENE	0.0260	N/A	16000.00	0.0000 ND	0.0000 ND	14.0000	0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0260	N/A	160000.0	0.0000 ND	2.4000	87.0000	0.0000 ND	0.0000 ND		
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		0.0000	0.0000 ND	0.0000 ND		98.0000 %		
BENZENE	1.3000	N/A	24.1000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ETHYLBENZENE	1.3000	N/A	8000.000	15.0000	5.2000	130.0000	0.0000 ND	0.0000 ND		
GASOLINE COMPONENTS	26.0000	N/A		390.0000	150.0000	3300.0000		5.9000		
TOLUENE	1.3000	N/A	16000.00	3.6000	1.6000	48.0000	0.0000 ND	0.0000 ND		
XYLENES, TOTAL	1.3000	N/A	160000.0	23.0000	7.6000	220.0000	0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: SW3550: Sonication Extraction
Method Analytical: M8015:
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: M8015:
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-08-3537 Lab ID: 0360700011SA	Field ID: KAFB-210-08-4549 Lab ID: 0360700012SA	Field ID: KAFB-210-99-4549 Lab ID: 0360700012SA	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-210-06089 Lab ID: 0360700010EB	Ambient Blank Field ID: Lab ID:	Lab ID:
DIESEL COMPONENTS	410.0000	N/A		1600.0000	3600.0000	1300.0000		280.0000		
o-TERPHENYL	N/A	N/A		0.0000 ND	0.0000 ND	110.0000 %		100.0000 %		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: *Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-08-3537 Lab ID: 0360700011MS	Field ID: KAFB-210-08-4549 Lab ID: 0360700012SA	Field ID: KAFB-210-99-4549 Lab ID: 0360700012SA	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-210-06089 Lab ID: 0360700010EB	Ambient Blank Field ID: Lab ID:	Lab ID:
ALUMINUM	30.7000	50.0000		1200.0000	7580.0000	5870.0000		0.0000 ND		
ANTIMONY	51.2000	40.0000	32.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
ARSENIC	30.7000	60.0000	38.9000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
BARIUM	1.0000	2.0000	5600.000	25.0000	94.1000	52.1000		0.0027 TR		
BERYLLIUM	0.4100	0.3000	16.3000	0.3000 TR	0.7800	0.7200		0.0000 ND		
CADMIUM	0.5100	4.0000	40.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
CALCIUM	51.2000	10.0000		2950.0000	2990.0000	2230.0000		0.2900 TR		
CHROMIUM, TOTAL	4.1000	7.0000		2.1000 TR	8.3000	6.3000		0.0000 ND		
COBALT	4.1000	7.0000		2.0000 TR	6.3000	6.0000		0.0000 ND		
COPPER	2.0000	6.0000		245.0000	132.0000	273.0000		0.0130 TR		
IRON	5.1000	7.0000		3210.0000	10700.0000	11200.0000		0.0000 ND		
LEAD	5.1000	50.0000	400.0000	4.9000 TR	11.8000	9.9000		0.0000 ND		
MAGNESIUM	40.9000	30.0000		635.0000	4270.0000	3510.0000		0.1900 TR		
MANGANESE	1.0000	2.0000	400.0000	74.2000	179.0000	171.0000		0.0140		
MOLYBDENUM	4.1000	8.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
NICKEL	6.1000	15.0000	1600.000	7.1000	10.1000	9.9000		0.0000 ND		
POTASSIUM	102.0000	500.0000		231.0000	1610.0000	1680.0000		0.0000 ND		
SELENIUM	51.2000	80.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
SILVER	4.1000	7.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
SODIUM	102.0000	30.0000		141.0000	270.0000	178.0000		0.0000 ND		
THALLIUM	20.5000	40.0000	7.2000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
TIN	51.2000			0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
VANADIUM	3.1000	8.0000	720.0000	6.8000	26.7000	20.2000		0.0066 TR		
ZINC	2.0000	2.0000	24000.00	104.0000	75.5000	120.0000		0.0310		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-08-3537 Lab ID: 0360700011MS	Field ID: KAFB-210-08-4549 Lab ID: 0360700012SA	Field ID: KAFB-210-99-4549 Lab ID: 0360700012SA	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-210-06089 Lab ID: 0360700010EB	Ambient Blank Field ID: Lab ID:	Lab ID:
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-08-0810 Lab ID: 0360700006SA	Field ID: KAFB-210-08-1517 Lab ID: 0360700008SA	Field ID: KAFB-210-08-2527 Lab ID: 0360700009SA	Trip Blank Field ID: KAFB-TB-01-060894 Lab ID: 0360700001TB	Equipment Blank Field ID: KAFB-EB-210-06089 Lab ID: 0360700002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0031	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0051	0.0050	35.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0051	0.0050	123.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0041	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0051	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0041	0.0050	7.6900	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		96.0000 %	101.0000 %	198.0000 %	98.0000 %	100.0000 %		
1,2-DICHLOROPROPANE	0.0031	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		88.0000 %	87.0000 %	117.0000 %	98.0000 %	94.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0100	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
2-HEXANONE	0.0100	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ACETONE	0.0100	0.1000	8000.000	0.0000 ND	0.0630	0.0000 ND	0.0000 ND	23.0000		
BENZENE	0.0021	0.0050	24.1000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0021	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMOFORM	0.0051	0.0050	88.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0041	0.0100	32.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0051	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0031	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0021	N/A	2160.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0100	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROFORM	0.0021	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0062	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0041	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0021	0.0050	8000.000	0.0000 ND	0.0120	6.0000	0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0100	0.1000	48000.00	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0100	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0031	0.0050	93.3000	0.0038	0.0038	0.0000 ND	3.2000 =	2.4000 TR		
STYRENE	0.0051	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0021	0.0050	800.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TOLUENE	0.0031	0.0050	16000.00	0.0000 ND	0.0031 TR	1.8000	0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		101.0000 %	103.0000 %	113.0000 %	100.0000 %	98.0000 %		
TRICHLOROETHYLENE (TCE)	0.0031	0.0050	63.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0072	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0041	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0051	0.0050	160000.0	0.0000 ND	0.0910	12.0000	0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0051	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0051	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0031	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,1-TRICHLOROETHANE	0.3100	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.2000	0.0050	35.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.5100	0.0050	123.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-08-3537 Lab ID: 0360700011SA	Field ID: KAFB-210-08-4549 Lab ID: 0360700012SA	Field ID: KAFB-210-99-4549 Lab ID: 0360700012SA	Trip Blank Field ID: KAFB-TB-01-060894 Lab ID: 0360700001TB	Equipment Blank Field ID: KAFB-EB-210-06089 Lab ID: 0360700002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1-DICHLOROETHANE	0.4100	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.5100	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.4100	0.0050	7.6900	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		99.0000 %	105.0000 %	97.0000 %	98.0000 %	100.0000 %		
1,2-DICHLOROPROPANE	0.3100	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		105.0000 %	103.0000 %	139.0000 %	98.0000 %	94.0000 %		
2-CHLOROETHYL VINYL ETHER	N/A	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
2-HEXANONE	1.0000	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ACETONE	1.0000	0.1000	8000.000	0.0000 ND	0.0000 ND	0.8200 TR	0.0000 ND	23.0000		
BENZENE	0.2000	0.0050	24.1000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.2000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMOFORM	0.5100	0.0050	88.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMOMETHANE	0.4100	0.0100	32.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.5100	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.3100	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.2000	N/A	2160.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROETHANE	1.0000	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROFORM	0.2000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.6100	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.4100	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.2000	0.0050	8000.000	2.2000	1.2000	9.3000	0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	1.0000	0.1000	48000.00	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	1.0000	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.3100	0.0050	93.3000	0.2100 TR	0.2500 TR	0.2600 TR	3.2000 =	2.4000 TR		
STYRENE	0.5100	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.3100	0.0050	800.0000	0.0000 ND	0.0000 ND	0.2500 TR	0.0000 ND	0.0000 ND		
TOLUENE	0.5100	0.0050	16000.00	0.3800 TR	0.4000 TR	2.8000	0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		107.0000 %	106.0000 %	116.0000 %	100.0000 %	98.0000 %		
TRICHLOROETHYLENE (TCE)	0.3100	0.0050	63.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
VINYL ACETATE	0.7200	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.4100	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.5100	0.0050	160000.0	6.2000	2.9000	24.0000	0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.5100	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.5100	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.3100	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-08-3537 Lab ID: 0360700011SA	Field ID: KAFB-210-08-4549 Lab ID: 0360700012SA	Field ID: KAFB-210-99-4549 Lab ID: 0360700012SA	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-210-06089 Lab ID: 0360700010EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,2,4-TRICHLOROBENZENE	3.1000	0.7000	800.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
1,2-DICHLOROBENZENE	1.5000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
1,3-DICHLOROBENZENE	1.5000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
1,4-DICHLOROBENZENE	1.1000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2,4,5-TRICHLOROPHENOL	4.3000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2,4,6-TRIBROMOPHENOL	N/A	N/A		23.0000 %	0.0000 ND	15.0000 %		96.0000 %		
2,4,6-TRICHLOROPHENOL	1.3000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2,4-DICHLOROPHENOL	3.1000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2,4-DIMETHYLPHENOL	3.1000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2,4-DINITROPHENOL	31.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2,4-DINITROTOLUENE	3.1000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2,6-DINITROTOLUENE	3.1000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2-CHLORONAPHTHALENE	2.8000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2-CHLOROPHENOL	1.5000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2-FLUOROBIPHENYL	N/A	N/A		42.0000 %	0.0000 ND	82.0000 %		79.0000 %		
2-FLUOROPHENOL	N/A	N/A		48.0000 %	0.0000 ND	31.0000 %		80.0000 %		
2-METHYLNAPHTHALENE	3.1000	0.7000	3200.000	4.3000	7.1000 TR	2.3000 TR		0.0000 ND		
2-METHYLPHENOL (o-CRESOL)	2.4000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2-NITROANILINE	16.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2-NITROPHENOL	2.6000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
3,3'-DICHLOROBENZIDINE	3.1000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
3-NITROANILINE	1.6000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
4,6-DINITRO-2-METHYLPHENOL	16.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
4-BROMOPHENYL PHENYL ETHER	2.6000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
4-CHLORO-3-METHYLPHENOL	3.1000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
4-CHLOROANILINE	3.1000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
4-CHLOROPHENYL PHENYL ETHER	2.1000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
4-METHYLPHENOL (p-CRESOL)	2.1000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
4-NITROANILINE	16.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
4-NITROPHENOL	16.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
ACENAPHTHENE	3.1000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
ACENAPHTHYLENE	1.2000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
ANTHRACENE	1.9000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
BENZO(a)ANTHRACENE	0.8500	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
BENZO(a)PYRENE	3.1000	0.7000	959.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
BENZO(b)FLUORANTHENE	2.8000	0.7000	95.9000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
BENZO(g,h,i)PERYLENE	3.1000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
BENZO(k)FLUORANTHENE	3.1000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
BENZOIC ACID	31.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
BENZYL ALCOHOL	3.1000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
BENZYL BUTYL PHTHALATE	3.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-08-3537 Lab ID: 0360700011SA	Field ID: KAFB-210-08-4549 Lab ID: 0360700012SA	Field ID: KAFB-210-99-4549 Lab ID: 0360700012SA	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-210-06089 Lab ID: 0360700010EB	Ambient Blank Field ID: Lab ID:	Lab ID:
CHRYSENE	1.1000	0.7000	9.5900	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
DI-n-BUTYL PHTHALATE	3.1000	0.7000	8000.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
DI-n-OCTYLPHTHALATE	2.5000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
DIBENZ(a,h)ANTHRACENE	3.1000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
DIBENZOFURAN	2.6000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
DIETHYL PHTHALATE	3.1000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
DIMETHYL PHTHALATE	3.1000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
FLUORANTHENE	2.4000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
FLUORENE	1.5000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
HEXACHLOROBENZENE	3.1000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
HEXACHLOROBUTADIENE	3.1000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
HEXACHLOROCYCLOPENTADIENE	31.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
HEXACHLOROETHANE	1.5000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
INDENO(1,2,3-c,d)PYRENE	3.1000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
ISOPHORONE	1.5000	0.7000	7370.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
N-NITROSODI-n-PROPYLAMINE	3.1000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
N-NITROSODIPHENYLAMINE	3.1000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
NAPHTHALENE	1.9000	0.7000	3200.000	1.6000 TR	6.4000	3.0000		0.0000 ND		
NITROBENZENE	2.4000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
NITROBENZENE-D5	N/A	0.7000		38.0000 %	0.0000 ND	76.0000 %		95.0000 %		
PENTACHLOROPHENOL	10.0000	3.3000	5.8300	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
PHENANTHRENE	2.8000	0.7000		0.4700 TR	0.0000 ND	0.0000 ND		0.0000 ND		
PHENOL	3.1000	0.3000	48000.00	0.4100 TR	2.0000 TR	0.9000 TR		0.0000 ND		
PHENOL-D5	N/A	N/A		44.0000 %	0.0000 ND	63.0000 %		90.0000 %		
PYRENE	2.6000	0.7000	2400.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
TERPHENYL-D14	N/A	N/A		29.0000 %	0.0000 ND	74.0000 %		74.0000 %		
bis(2-CHLOROETHOXY) METHANE	2.5000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	1.6000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
bis(2-CHLOROISOPROPYL) ETHER	3.1000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
bis(2-ETHYLHEXYL) PHTHALATE	2.7000	0.7000	50.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-08-3537 Lab ID: 0360700011SA	Field ID: KAFB-210-08-4549 Lab ID: 0360700012SA	Field ID: KAFB-210-99-4549 Lab ID: 0360700012SA	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.3000	7.7000	8.0000				

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-08-5557 Lab ID: 0360700016SA	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		1.8000						

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-08-5557 Lab ID: 0360700016SA	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-210-06099 Lab ID: 0360700015EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		100.0000 %				99.0000 %		
BENZENE	0.0250	N/A	24.1000	0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
ETHYLBENZENE	0.0250	N/A	8000.000	0.0000 ND			0.0000 ND	0.0000 ND	1.7000 TR	
GASOLINE COMPONENTS	0.5100	N/A		0.0000 ND				5.8000		
TOLUENE	0.0250	N/A	16000.00	0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
XYLENES, TOTAL	0.0250	N/A	160000.0	0.0000 ND			0.0000 ND	0.0000 ND	4.5000 TR	

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: SW3550: Sonication Extraction
Method Analytical: M8015:
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: M8015:
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-08-5557 Lab ID: 0360700016SA	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-210-06099 Lab ID: 0360700015EB	Ambient Blank Field ID: Lab ID:	Lab ID:
DIESEL COMPONENTS	4.1000	N/A		12.0000				55.0000 TR		
o-TERPHENYL	N/A	N/A		103.0000 %				96.0000 %		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: *Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-08-5557 Lab ID: 0360700016SA	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-210-06099 Lab ID: 0360700015EB	Ambient Blank Field ID: Lab ID:	Lab ID:
ALUMINUM	30.5000	50.0000		5320.0000				0.0000 ND		
ANTIMONY	50.9000	40.0000	32.0000	0.0000 ND				0.0000 ND		
ARSENIC	30.5000	60.0000	38.9000	0.0000 ND				0.0000 ND		
BARIUM	1.0000	2.0000	5600.000	1120.0000				0.0016 TR		
BERYLLIUM	0.4100	0.3000	16.3000	0.8100				0.0000 ND		
CADMIUM	0.5100	4.0000	40.0000	0.3300 TR				0.0000 ND		
CALCIUM	50.9000	10.0000		2610.0000				0.0000 ND		
CHROMIUM, TOTAL	4.1000	7.0000		5.8000				0.0000 ND		
COBALT	4.1000	7.0000		3.8000 TR				0.0000 ND		
COPPER	2.0000	6.0000		113.0000				0.0120 TR		
IRON	5.1000	7.0000		7240.0000				0.0520		
LEAD	5.1000	50.0000	400.0000	6.3000				0.0000 ND		
MAGNESIUM	40.7000	30.0000		1990.0000				0.0000 ND		
MANGANESE	1.0000	2.0000	400.0000	161.0000				0.0000 ND		
MOLYBDENUM	4.1000	8.0000	400.0000	0.0000 ND				0.0000 ND		
NICKEL	6.1000	15.0000	1600.000	9.3000				0.0000 ND		
POTASSIUM	102.0000	500.0000		1220.0000				0.0000 ND		
SELENIUM	50.9000	80.0000	400.0000	0.0000 ND				0.0000 ND		
SILVER	4.1000	7.0000	400.0000	0.0000 ND				0.0000 ND		
SODIUM	102.0000	30.0000		404.0000				0.0000 ND		
THALLIUM	20.4000	40.0000	7.2000	0.0000 ND				0.0000 ND		
TIN	50.9000			0.0000 ND				0.0000 ND		
VANADIUM	3.1000	8.0000	720.0000	7.3000				0.0000 ND		
ZINC	2.0000	2.0000	24000.00	57.9000				0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-08-5557 Lab ID: 0360700016SA	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-210-06099 Lab ID: 0360700015EB	Ambient Blank Field ID: Lab ID:	Lab ID:
MERCURY	0.1000	0.1000		0.0000 ND				0.0000 ND		

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

ANALYTCAL DATA SUMMARY

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-08-5557 Lab ID: 0360700016SA	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-060994 Lab ID: 0360700014TB	Equipment Blank Field ID: KAFB-EB-210-06099 Lab ID: 0360700015EB	Ambient Blank Field ID: KAFB-AB-210-06099 Lab ID: 0360700017AB	Lab ID:
1,1,1-TRICHLOROETHANE	0.0031	0.0050		0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
1,1,2,2-TETRACHLOROETHANE	0.0051	0.0050	35.0000	0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
1,1,2-TRICHLOROETHANE	0.0051	0.0050	123.0000	0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
1,1-DICHLOROETHANE	0.0041	0.0050		0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
1,1-DICHLOROETHENE	0.0051	0.0050		0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
1,2-DICHLOROETHANE	0.0041	0.0050	7.6900	0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
1,2-DICHLOROETHANE-D4	N/A	N/A		98.0000 %			101.0000 %	97.0000 %	100.0000 %	
1,2-DICHLOROPROPANE	0.0031	0.0050		0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		110.0000 %			95.0000 %	96.0000 %	106.0000 %	
2-CHLOROETHYL VINYL ETHER	0.0100	0.0100		0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
2-HEXANONE	0.0100	0.0500		0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
ACETONE	0.0100	0.1000	8000.000	0.0200			0.0000 ND	11.0000	3.8000 TR	
BENZENE	0.0020	0.0050	24.1000	0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
BROMODICHLOROMETHANE	0.0020	0.0050		0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
BROMOFORM	0.0051	0.0050	88.6000	0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
BROMOMETHANE	0.0041	0.0100	32.0000	0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
CARBON DISULFIDE	0.0051	0.0050	8000.000	0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
CARBON TETRACHLORIDE	0.0031	0.0050		0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
CHLOROBENZENE	0.0020	N/A	2160.000	0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
CHLOROETHANE	0.0100	0.0100		0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
CHLOROFORM	0.0020	0.0050		0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
CHLOROMETHANE	0.0061	0.0100		0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
DIBROMOCHLOROMETHANE	0.0041	0.0050		0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
ETHYLBENZENE	0.0020	0.0050	8000.000	0.0099			0.0000 ND	0.0000 ND	1.7000 TR	
METHYL ETHYL KETONE (2-BUTANONE)	0.0100	0.1000	48000.00	0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0100	0.0500		0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
METHYLENE CHLORIDE	0.0031	0.0050	93.3000	0.0000 ND			3.8000 =	3.7000	25.0000	
STYRENE	0.0051	0.0050		0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
TETRACHLOROETHYLENE(PCE)	0.0020	0.0050	800.0000	0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
TOLUENE	0.0031	0.0050	16000.00	0.0054			0.0000 ND	0.0000 ND	0.0000 ND	
TOLUENE-D8	N/A	0.0050		101.0000 %			97.0000 %	99.0000 %	100.0000 %	
TRICHLOROETHYLENE (TCE)	0.0031	0.0050	63.6000	0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
VINYL ACETATE	0.0071	0.0500		0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
VINYL CHLORIDE	0.0041	0.0100		0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
XYLENES, TOTAL	0.0051	0.0050	160000.0	0.0520			0.0000 ND	0.0000 ND	4.5000 TR	
cis-1,3-DICHLOROPROPENE	0.0051	0.0050		0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
trans-1,2-DICHLOROETHENE	0.0051	0.0050		0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
trans-1,3-DICHLOROPROPENE	0.0031	0.0050		0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-08-5557 Lab ID: 0360700016SA	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-210-06099 Lab ID: 0360700015EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,2,4-TRICHLOROBENZENE	0.3100	0.7000	800.0000	0.0000 ND				0.0000 ND		
1,2-DICHLOROBENZENE	0.1500	0.7000		0.0000 ND				0.0000 ND		
1,3-DICHLOROBENZENE	0.1500	0.7000		0.0000 ND				0.0000 ND		
1,4-DICHLOROBENZENE	0.1100	0.7000		0.0000 ND				0.0000 ND		
2,4,5-TRICHLOROPHENOL	0.4300	3.3000		0.0000 ND				0.0000 ND		
2,4,6-TRIBROMOPHENOL	N/A	N/A		105.0000 %				105.0000 %		
2,4,6-TRICHLOROPHENOL	0.1300	0.3000		0.0000 ND				0.0000 ND		
2,4-DICHLOROPHENOL	0.3100	0.3000		0.0000 ND				0.0000 ND		
2,4-DIMETHYLPHENOL	0.3100	0.3000		0.0000 ND				0.0000 ND		
2,4-DINITROPHENOL	3.1000	3.3000		0.0000 ND				0.0000 ND		
2,4-DINITROTOLUENE	0.3100	0.7000		0.0000 ND				0.0000 ND		
2,6-DINITROTOLUENE	0.3100	0.7000		0.0000 ND				0.0000 ND		
2-CHLORONAPHTHALENE	0.2700	0.7000		0.0000 ND				0.0000 ND		
2-CHLOROPHENOL	0.1500	0.3000		0.0000 ND				0.0000 ND		
2-FLUOROBIPHENYL	N/A	N/A		100.0000 %				83.0000 %		
2-FLUOROPHENOL	N/A	N/A		93.0000 %				88.0000 %		
2-METHYLNAPHTHALENE	0.3100	0.7000	3200.000	0.0000 ND				0.0000 ND		
2-METHYLPHENOL (o-CRESOL)	0.2300	0.3000		0.0000 ND				0.0000 ND		
2-NITROANILINE	1.6000	3.3000		0.0000 ND				0.0000 ND		
2-NITROPHENOL	0.2500	0.3000		0.0000 ND				0.0000 ND		
3,3'-DICHLOROBENZIDINE	0.3100	1.3000		0.0000 ND				0.0000 ND		
3-NITROANILINE	0.1600	3.3000		0.0000 ND				0.0000 ND		
4,6-DINITRO-2-METHYLPHENOL	1.6000	3.3000		0.0000 ND				0.0000 ND		
4-BROMOPHENYL PHENYL ETHER	0.2500	0.7000		0.0000 ND				0.0000 ND		
4-CHLORO-3-METHYLPHENOL	0.3100	1.3000		0.0000 ND				0.0000 ND		
4-CHLOROANILINE	0.3100	1.3000		0.0000 ND				0.0000 ND		
4-CHLOROPHENYL PHENYL ETHER	0.2100	0.7000		0.0000 ND				0.0000 ND		
4-METHYLPHENOL (p-CRESOL)	0.2100	0.3000		0.0000 ND				0.0000 ND		
4-NITROANILINE	1.6000	3.3000		0.0000 ND				0.0000 ND		
4-NITROPHENOL	1.6000	1.6000		0.0000 ND				0.0000 ND		
ACENAPHTHENE	0.3100	0.7000		0.0000 ND				0.0000 ND		
ACENAPHTHYLENE	0.1200	0.7000		0.0000 ND				0.0000 ND		
ANTHRACENE	0.1900	0.7000		0.0000 ND				0.0000 ND		
BENZO(a)ANTHRACENE	0.0840	0.7000		0.0000 ND				0.0000 ND		
BENZO(a)PYRENE	0.3100	0.7000	959.0000	0.0000 ND				0.0000 ND		
BENZO(b)FLUORANTHENE	0.2700	0.7000	95.9000	0.0000 ND				0.0000 ND		
BENZO(g,h,i)PERYLENE	0.3100	0.7000		0.0000 ND				0.0000 ND		
BENZO(k)FLUORANTHENE	0.3100	N/A		0.0000 ND				0.0000 ND		
BENZOIC ACID	3.1000	1.6000		0.0000 ND				0.0000 ND		
BENZYL ALCOHOL	0.3100	1.3000		0.0000 ND				0.0000 ND		
BENZYL BUTYL PHTHALATE	0.3000	0.7000		0.0000 ND				0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-08-5557 Lab ID: 0360700016SA	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-210-06099 Lab ID: 0360700015EB	Ambient Blank Field ID: Lab ID:	Lab ID:
CHRYSENE	0.1100	0.7000	9.5900	0.0000 ND				0.0000 ND		
DI-n-BUTYL PHTHALATE	0.3100	0.7000	8000.000	0.0000 ND				0.0000 ND		
DI-n-OCTYLPHTHALATE	0.2400	0.7000		0.0000 ND				0.0000 ND		
DIBENZ(a,h)ANTHRACENE	0.3100	0.7000		0.0000 ND				0.0000 ND		
DIBENZOFURAN	0.2500	0.7000		0.0000 ND				0.0000 ND		
DIETHYL PHTHALATE	0.3100	0.7000		0.0000 ND				0.0000 ND		
DIMETHYL PHTHALATE	0.3100	0.7000		0.0000 ND				0.0000 ND		
FLUORANTHENE	0.2300	0.7000	3360.000	0.0000 ND				0.0000 ND		
FLUORENE	0.1500	0.7000	3360.000	0.0000 ND				0.0000 ND		
HEXACHLOROBENZENE	0.3100	0.7000		0.0000 ND				0.0000 ND		
HEXACHLOROBUTADIENE	0.3100	0.7000		0.0000 ND				0.0000 ND		
HEXACHLOROCYCLOPENTADIENE	3.1000	0.7000		0.0000 ND				0.0000 ND		
HEXACHLOROETHANE	0.1500	0.7000		0.0000 ND				0.0000 ND		
INDENO(1,2,3-c,d)PYRENE	0.3100	0.7000		0.0000 ND				0.0000 ND		
ISOPHORONE	0.1500	0.7000	7370.000	0.0000 ND				0.0000 ND		
N-NITROSODI-n-PROPYLAMINE	0.3100	0.7000		0.0000 ND				0.0000 ND		
N-NITROSODIPHENYLAMINE	0.3100	0.7000		0.0000 ND				0.0000 ND		
NAPHTHALENE	0.1900	0.7000	3200.000	0.0000 ND				0.0000 ND		
NITROBENZENE	0.2300	0.7000		0.0000 ND				0.0000 ND		
NITROBENZENE-D5	N/A	0.7000		100.0000 %				99.0000 %		
PENTACHLOROPHENOL	1.0000	3.3000	5.8300	0.0000 ND				0.0000 ND		
PHENANTHRENE	0.2700	0.7000		0.0000 ND				0.0000 ND		
PHENOL	0.3100	0.3000	48000.00	0.7200				0.0000 ND		
PHENOL-D5	N/A	N/A		94.0000 %				100.0000 %		
PYRENE	0.2500	0.7000	2400.000	0.0000 ND				0.0000 ND		
TERPHENYL-D14	N/A	N/A		89.0000 %				71.0000 %		
bis(2-CHLOROETHOXY) METHANE	0.2400	0.7000		0.0000 ND				0.0000 ND		
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	0.1600	0.7000		0.0000 ND				0.0000 ND		
bis(2-CHLOROISOPROPYL) ETHER	0.3100	0.7000		0.0000 ND				0.0000 ND		
bis(2-ETHYLHEXYL) PHTHALATE	0.2600	0.7000	50.0000	0.4500				0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-08-5557 Lab ID: 0360700016SA	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		9.1000						

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-09-0103 Lab ID: 0362490007SA	Field ID: KAFB-210-09-0507 Lab ID: 0362490008SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		14.0000	13.0000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-09-0103 Lab ID: 0362490007SA	Field ID: KAFB-210-09-0507 Lab ID: 0362490008SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-221-06159 Lab ID: 0362490002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		103.0000 %	91.0000 %			96.0000 %		
BENZENE	0.0290	N/A	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
ETHYLBENZENE	0.0290	N/A	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
GASOLINE COMPONENTS	0.5800	N/A		0.0000 ND	0.0000 ND			0.0000 ND		
TOLUENE	0.0290	N/A	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
XYLENES, TOTAL	0.0290	N/A	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-09-0103 Lab ID: P276557	Field ID: KAFB-210-09-0507 Lab ID: P276558	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-221-06159 Lab ID: P276552	Ambient Blank Field ID: Lab ID:	Lab ID: P278446
ALUMINUM	2.0000	50.0000		5310.0000	9100.0000			0.0000 ND		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BARIUM	0.2000	2.0000	5600.000	131.0000	298.0000			2.0000		0.0000
BERYLLIUM	0.2000	0.3000	16.3000	0.2200	0.4500			0.0000 ND		0.0000
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.6700			0.0000 ND		0.0000
CALCIUM	2.0000	10.0000		31400.0000	85100.0000			55.0000		0.0000
CHROMIUM, TOTAL	1.0000	7.0000		4.6000	6.1000			27.0000		0.0000
COBALT	1.0000	7.0000		2.2000	4.9000			0.0000 ND		0.0000
COPPER	0.1000	6.0000		11.7000	33.2000			14.0000		0.0000
IRON	0.8000	7.0000		5730.0000	8890.0000			69.0000		0.0000
LEAD	3.0000	50.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		2180.0000	4540.0000			62.0000		0.0000
MANGANESE	0.3000	2.0000	400.0000	86.5000	186.0000			0.0000 ND		0.0000
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000
NICKEL	3.0000	15.0000	1600.000	0.0000 ND	6.2000			0.0000 ND		0.0000
POTASSIUM	20.0000	500.0000		786.0000	1330.0000			0.0000 ND		0.0000
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000
SODIUM	3.0000	30.0000		66.3000	109.0000			106.0000		0.0000
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000
VANADIUM	0.4000	8.0000	720.0000	12.8000	26.8000			0.0000 ND		0.0000
ZINC	0.7000	2.0000	24000.00	20.6000	27.5000			14.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-09-0103 Lab ID: P276557	Field ID: KAFB-210-09-0507 Lab ID: P276558	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-221-06159 Lab ID: P276552	Ambient Blank Field ID: Lab ID:	Lab ID: P278539
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-09-0103 Lab ID: P276557	Field ID: KAFB-210-09-0507 Lab ID: P276558	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-221-06159 Lab ID: P276552	Ambient Blank Field ID: Lab ID:	Lab ID: P278212
DIESEL COMPONENTS	70.0000	10.0000		750.0000	820.0000			0.0000 ND		0.0000 ND
PENTACOSANE	N/A	N/A		4620.0000	3930.0000			116.0000		4880.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-09-0103 Lab ID: 0362490007SA	Field ID: KAFB-210-09-0507 Lab ID: 0362490008SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-061594 Lab ID: 0362490001TB	Equipment Blank Field ID: KAFB-EB-221-06159 Lab ID: 0362490002EB	Ambient Blank Field ID: Lab ID: 0362500003AB	Lab ID:
1,1,1-TRICHLOROETHANE	0.0035	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
1,1,2,2-TETRACHLOROETHANE	0.0058	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
1,1,2-TRICHLOROETHANE	0.0058	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
1,1-DICHLOROETHANE	0.0046	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
1,1-DICHLOROETHENE	0.0058	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
1,2-DICHLOROETHANE	0.0046	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
1,2-DICHLOROETHANE-D4	N/A	N/A		101.0000 %	96.0000 %		90.0000 %	90.0000 %	%	
1,2-DICHLOROPROPANE	0.0035	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		98.0000 %	94.0000 %		100.0000 %	101.0000 %	%	
2-CHLOROETHYL VINYL ETHER	0.0120	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
2-HEXANONE	0.0120	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	TR	
ACETONE	0.0120	0.1000	8000.000	0.0000 ND	0.0000 ND		6.8000 TR	4.7000 TR	ND	
BENZENE	0.0023	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
BROMODICHLOROMETHANE	0.0023	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
BROMOFORM	0.0058	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
BROMOMETHANE	0.0046	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
CARBON DISULFIDE	0.0058	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
CARBON TETRACHLORIDE	0.0035	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
CHLOROBENZENE	0.0023	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
CHLOROETHANE	0.0120	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
CHLOROFORM	0.0023	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
CHLOROMETHANE	0.0070	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
DIBROMOCHLOROMETHANE	0.0046	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
ETHYLBENZENE	0.0023	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
METHYL ETHYL KETONE (2-BUTANONE)	0.0120	0.1000	48000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0120	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
METHYLENE CHLORIDE	0.0035	0.0050	93.3000	0.0031 TR	0.0130		2.1000 TR	2.4000 TR	TR	
STYRENE	0.0058	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
TETRACHLOROETHYLENE(PCE)	0.0023	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
TOLUENE	0.0035	0.0050	16000.00	0.0000 ND	0.0012 TR		0.0000 ND	0.0000 ND	ND	
TOLUENE-D8	N/A	0.0050		103.0000 %	100.0000 %		102.0000 %	100.0000 %	%	
TRICHLOROETHYLENE (TCE)	0.0035	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
VINYL ACETATE	0.0081	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
VINYL CHLORIDE	0.0046	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
XYLENES, TOTAL	0.0058	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
cis-1,3-DICHLOROPROPENE	0.0058	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
trans-1,2-DICHLOROETHENE	0.0058	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
trans-1,3-DICHLOROPROPENE	0.0035	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-09-0103 Lab ID: P276557	Field ID: KAFB-210-09-0507 Lab ID: P276558	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-221-06159 Lab ID: P276552	Ambient Blank Field ID: Lab ID:	Lab ID: P277385
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		65.0000	65.0000			95.0000		70.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		34.0000	36.0000			54.0000		32.0000
2-FLUOROPHENOL	N/A	N/A		60.0000	60.0000			62.0000		56.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-09-0103 Lab ID: P276557	Field ID: KAFB-210-09-0507 Lab ID: P276558	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-221-06159 Lab ID: P276552	Ambient Blank Field ID: Lab ID:	Lab ID: P277385
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		32.0000	34.0000			50.0000		32.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	160.0000			0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		65.0000	70.0000			51.0000		65.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		38.0000	38.0000			58.0000		35.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-09-0103 Lab ID: P276557	Field ID: KAFB-210-09-0507 Lab ID: P276558	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.5000	8.4000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-10-0103 Lab ID: 0362490009SA	Field ID: KAFB-210-10-0507 Lab ID: 0362490010SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		7.2000	15.0000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-10-0103 Lab ID: 0362490009SA	Field ID: KAFB-210-10-0507 Lab ID: 0362490010SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-221-06159 Lab ID: 0362490002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		94.0000 %	107.0000 %			96.0000 %		
BENZENE	0.0270	N/A	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
ETHYLBENZENE	0.0270	N/A	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
GASOLINE COMPONENTS	0.5400	N/A		0.0000 ND	0.0000 ND			0.0000 ND		
TOLUENE	0.0270	N/A	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
XYLENES, TOTAL	0.0270	N/A	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-10-0103 Lab ID: P276559	Field ID: KAFB-210-10-0507 Lab ID: P276560	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-221-06159 Lab ID: P276552	Ambient Blank Field ID: Lab ID:	Lab ID: P278446
ALUMINUM	2.0000	50.0000		5130.0000	8680.0000			0.0000 ND		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BARIUM	0.2000	2.0000	5600.000	135.0000	829.0000			2.0000		0.0000
BERYLLIUM	0.2000	0.3000	16.3000	0.2200	0.4500			0.0000 ND		0.0000
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000
CALCIUM	2.0000	10.0000		39000.0000	100000.0000			55.0000		0.0000
CHROMIUM, TOTAL	1.0000	7.0000		5.1000	7.4000			27.0000		0.0000
COBALT	1.0000	7.0000		2.5000	3.0000			0.0000 ND		0.0000
COPPER	0.1000	6.0000		11.5000	26.7000			14.0000		0.0000
IRON	0.8000	7.0000		6970.0000	8460.0000			69.0000		0.0000
LEAD	3.0000	50.0000	400.0000	0.0000 ND	7.6000			0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		2470.0000	4570.0000			62.0000		0.0000
MANGANESE	0.3000	2.0000	400.0000	90.9000	96.0000			0.0000 ND		0.0000
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000
NICKEL	3.0000	15.0000	1600.000	4.2000	5.6000			0.0000 ND		0.0000
POTASSIUM	20.0000	500.0000		908.0000	1360.0000			0.0000 ND		0.0000
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000
SODIUM	3.0000	30.0000		83.7000	178.0000			106.0000		0.0000
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000
VANADIUM	0.4000	8.0000	720.0000	16.0000	25.6000			0.0000 ND		0.0000
ZINC	0.7000	2.0000	24000.00	16.0000	34.4000			14.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-10-0103 Lab ID: P276559	Field ID: KAFB-210-10-0507 Lab ID: P276560	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-221-06159 Lab ID: P276552	Ambient Blank Field ID: Lab ID:	Lab ID: P278539
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-10-0103 Lab ID: P276559	Field ID: KAFB-210-10-0507 Lab ID: P276560	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-221-06159 Lab ID: P276552	Ambient Blank Field ID: Lab ID:	Lab ID: P278212
DIESEL COMPONENTS	70.0000	10.0000		540.0000	750.0000			0.0000 ND		0.0000 ND
PENTACOSANE	N/A	N/A		4100.0000	4000.0000			116.0000		4880.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-10-0103 Lab ID: 0362490009SA	Field ID: KAFB-210-10-0507 Lab ID: 0362490010SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-061594 Lab ID: 0362490001TB	Equipment Blank Field ID: KAFB-EB-221-06159 Lab ID: 0362490002EB	Ambient Blank Field ID: Lab ID: 0362500003AB	Lab ID:
1,1,1-TRICHLOROETHANE	0.0032	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
1,1,2,2-TETRACHLOROETHANE	0.0054	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
1,1,2-TRICHLOROETHANE	0.0054	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
1,1-DICHLOROETHANE	0.0043	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
1,1-DICHLOROETHENE	0.0054	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
1,2-DICHLOROETHANE	0.0043	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
1,2-DICHLOROETHANE-D4	N/A	N/A		99.0000 %	98.0000 %		90.0000 %	90.0000 %	%	
1,2-DICHLOROPROPANE	0.0032	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		98.0000 %	93.0000 %		100.0000 %	101.0000 %	%	
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
2-HEXANONE	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	TR	
ACETONE	0.0110	0.1000	8000.000	0.0045 TR	0.0000 ND		6.8000 TR	4.7000 TR	ND	
BENZENE	0.0022	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
BROMODICHLOROMETHANE	0.0022	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
BROMOFORM	0.0054	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
BROMOMETHANE	0.0043	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
CARBON DISULFIDE	0.0054	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
CARBON TETRACHLORIDE	0.0032	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
CHLOROBENZENE	0.0022	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
CHLOROETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
CHLOROFORM	0.0022	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
CHLOROMETHANE	0.0065	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
DIBROMOCHLOROMETHANE	0.0043	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
ETHYLBENZENE	0.0022	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
METHYLENE CHLORIDE	0.0032	0.0050	93.3000	0.0030 TR	0.0037		2.1000 TR	2.4000 TR	TR	
STYRENE	0.0054	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
TETRACHLOROETHYLENE(PCE)	0.0022	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
TOLUENE	0.0032	0.0050	16000.00	0.0027 TR	0.0000 ND		0.0000 ND	0.0000 ND	ND	
TOLUENE-D8	N/A	0.0050		102.0000 %	104.0000 %		102.0000 %	100.0000 %	%	
TRICHLOROETHYLENE (TCE)	0.0032	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
VINYL ACETATE	0.0075	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
VINYL CHLORIDE	0.0043	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
XYLENES, TOTAL	0.0054	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
cis-1,3-DICHLOROPROPENE	0.0054	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
trans-1,2-DICHLOROETHENE	0.0054	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
trans-1,3-DICHLOROPROPENE	0.0032	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-10-0103 Lab ID: P276559	Field ID: KAFB-210-10-0507 Lab ID: P276560	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-221-06159 Lab ID: P276552	Ambient Blank Field ID: Lab ID:	Lab ID: P277385
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		70.0000	60.0000			95.0000		70.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		34.0000	33.0000			54.0000		32.0000
2-FLUOROPHENOL	N/A	N/A		60.0000	55.0000			62.0000		56.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

ANALYTCAL DATA SUMMARY

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-10-0103 Lab ID: P276559	Field ID: KAFB-210-10-0507 Lab ID: P276560	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-221-06159 Lab ID: P276552	Ambient Blank Field ID: Lab ID:	Lab ID: P277385
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		33.0000	32.0000			0.0000 ND		0.0000 ND
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			50.0000		32.0000
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	230.0000			0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		65.0000	60.0000			0.0000 ND		0.0000 ND
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			51.0000		65.0000
TERPHENYL-D14	N/A	N/A		40.0000	38.0000			0.0000 ND		0.0000 ND
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			58.0000		35.0000
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000
								0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-10-0103 Lab ID: P276559	Field ID: KAFB-210-10-0507 Lab ID: P276560	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.6000	8.5000					

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

ANALYTCAL DATA SUMMARY

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-99-0105 Lab ID: 0362490011SA	Field ID: KAFB-210-11-0105 Lab ID: 0362490011SA	Field ID: KAFB-210-11-0509 Lab ID: 0362490012SA	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		15.0000	13.0000	11.0000				
MOISTURE, PERCENT	N/A	N/A		11.0000						

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-99-0105 Lab ID: 0362490011SA	Field ID: KAFB-210-11-0105 Lab ID: 0362490011SA	Field ID: KAFB-210-11-0509 Lab ID: 0362490012MS	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-221-06159 Lab ID: 0362490002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		107.0000 %	110.0000 %	102.0000 %		96.0000 %		
BENZENE	0.0300	N/A	24.1000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	ND	
ETHYLBENZENE	0.0300	N/A	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	ND	
GASOLINE COMPONENTS	0.5900	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
TOLUENE	0.0300	N/A	16000.00	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	ND	
XYLENES, TOTAL	0.0300	N/A	160000.0	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	ND	

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: *Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-99-0105 Lab ID: P276561	Field ID: KAFB-210-11-0105 Lab ID: P276561	Field ID: KAFB-210-11-0509 Lab ID: P276562	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-221-06159 Lab ID: P276552	Ambient Blank Field ID: Lab ID:	Lab ID: P278446
ALUMINUM	2.0000	50.0000		4850.0000	4750.0000	9160.0000		0.0000 ND		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
BARIUM	0.2000	2.0000	5600.000	66.7000	66.3000	844.0000		2.0000		0.0000
BERYLLIUM	0.2000	0.3000	16.3000	0.2100	0.3200	0.4500		0.0000 ND		0.0000
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
CALCIUM	2.0000	10.0000		24700.0000	21500.0000	84800.0000		55.0000		0.0000
CHROMIUM, TOTAL	1.0000	7.0000		6.0000	4.7000	5.6000		27.0000		0.0000
COBALT	1.0000	7.0000		2.6000	2.9000	4.3000		0.0000 ND		0.0000
COPPER	0.1000	6.0000		12.4000	7.9000	15.4000		14.0000		0.0000
IRON	0.8000	7.0000		7890.0000	7600.0000	7300.0000		69.0000		0.0000
LEAD	3.0000	50.0000	400.0000	0.0000 ND	0.0000 ND	5.7000		0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		2440.0000	2500.0000	4410.0000		62.0000		0.0000
MANGANESE	0.3000	2.0000	400.0000	110.0000	111.0000	156.0000		0.0000 ND		0.0000
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
NICKEL	3.0000	15.0000	1600.000	4.3000	0.0000 ND	5.2000		0.0000 ND		0.0000
POTASSIUM	20.0000	500.0000		842.0000	932.0000	1110.0000		0.0000 ND		0.0000
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
SODIUM	3.0000	30.0000		76.6000	78.2000	241.0000		106.0000		0.0000
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
VANADIUM	0.4000	8.0000	720.0000	18.7000	17.7000	28.3000		0.0000 ND		0.0000
ZINC	0.7000	2.0000	24000.00	16.1000	17.3000	37.8000		14.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-99-0105 Lab ID: P276561	Field ID: KAFB-210-11-0105 Lab ID: P276561	Field ID: KAFB-210-11-0509 Lab ID: P276562	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-221-06159 Lab ID: P276552	Ambient Blank Field ID: Lab ID:	Lab ID: P278539
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-99-0105 Lab ID: P276561	Field ID: KAFB-210-11-0105 Lab ID: P276561	Field ID: KAFB-210-11-0509 Lab ID: P276562	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-221-06159 Lab ID: P276552	Ambient Blank Field ID: Lab ID:	Lab ID: P278212
DIESEL COMPONENTS	70.0000	10.0000		670.0000	570.0000	2100.0000		0.0000 ND		0.0000 ND
PENTACOSANE	N/A	N/A		4420.0000	4000.0000	4390.0000		116.0000		4880.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-99-0105 Lab ID: 0362490011SA	Field ID: KAFB-210-11-0105 Lab ID: 0362490011SA	Field ID: KAFB-210-11-0509 Lab ID: 0362490012MS	Trip Blank Field ID: KAFB-TB-01-061594 Lab ID: 0362490001TB	Equipment Blank Field ID: KAFB-EB-221-06159 Lab ID: 0362490002EB	Ambient Blank Field ID: Lab ID: 0362500003AB	Lab ID:
1,1,1-TRICHLOROETHANE	0.0035	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	ND	
1,1,2,2-TETRACHLOROETHANE	0.0059	0.0050	35.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	ND	
1,1,2-TRICHLOROETHANE	0.0059	0.0050	123.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	ND	
1,1-DICHLOROETHANE	0.0047	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	ND	
1,1-DICHLOROETHENE	0.0059	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	ND	
1,2-DICHLOROETHANE	0.0047	0.0050	7.6900	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	ND	
1,2-DICHLOROETHANE-D4	N/A	N/A		94.0000 %	98.0000 %	92.0000 %	90.0000 %	90.0000 %	%	
1,2-DICHLOROPROPANE	0.0035	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	ND	
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		91.0000 %	102.0000 %	92.0000 %	100.0000 %	101.0000 %	%	
2-CHLOROETHYL VINYL ETHER	0.0120	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	ND	
2-HEXANONE	0.0120	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	TR	
ACETONE	0.0120	0.1000	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	6.8000 TR	4.7000 TR	ND	
BENZENE	0.0024	0.0050	24.1000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	ND	
BROMODICHLOROMETHANE	0.0024	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	ND	
BROMOFORM	0.0059	0.0050	88.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	ND	
BROMOMETHANE	0.0047	0.0100	32.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	ND	
CARBON DISULFIDE	0.0059	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	ND	
CARBON TETRACHLORIDE	0.0035	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	ND	
CHLOROBENZENE	0.0024	N/A	2160.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	ND	
CHLOROETHANE	0.0120	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	ND	
CHLOROFORM	0.0024	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	ND	
CHLOROMETHANE	0.0071	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	ND	
DIBROMOCHLOROMETHANE	0.0047	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	ND	
ETHYLBENZENE	0.0024	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	ND	
METHYL ETHYL KETONE (2-BUTANONE)	0.0120	0.1000	48000.00	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	ND	
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0120	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	ND	
METHYLENE CHLORIDE	0.0035	0.0050	93.3000	0.0150	0.0057	0.0030 TR	2.1000 TR	2.4000 TR	TR	
STYRENE	0.0059	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	ND	
TETRACHLOROETHYLENE(PCE)	0.0024	0.0050	800.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	ND	
TOLUENE	0.0035	0.0050	16000.00	0.0000 ND	0.0078	0.0021 TR	0.0000 ND	0.0000 ND	ND	
TOLUENE-D8	N/A	0.0050		103.0000 %	100.0000 %	98.0000 %	102.0000 %	100.0000 %	%	
TRICHLOROETHYLENE (TCE)	0.0035	0.0050	63.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	ND	
VINYL ACETATE	0.0083	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	ND	
VINYL CHLORIDE	0.0047	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	ND	
XYLENES, TOTAL	N/A	0.0050	160000.0	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	ND	
cis-1,3-DICHLOROPROPENE	0.0059	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	ND	
trans-1,2-DICHLOROETHENE	0.0059	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	ND	
trans-1,3-DICHLOROPROPENE	0.0035	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	ND	

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-99-0105 Lab ID: P276561	Field ID: KAFB-210-11-0105 Lab ID: P276561	Field ID: KAFB-210-11-0509 Lab ID: P276562	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-221-06159 Lab ID: P276552	Ambient Blank Field ID: Lab ID:	Lab ID: P277385
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		65.0000	70.0000	47.0000		95.0000		70.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		35.0000	36.0000	36.0000		54.0000		32.0000
2-FLUOROPHENOL	N/A	N/A		60.0000	65.0000	60.0000		62.0000		56.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-99-0105 Lab ID: P276561	Field ID: KAFB-210-11-0105 Lab ID: P276561	Field ID: KAFB-210-11-0509 Lab ID: P276562	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-221-06159 Lab ID: P276552	Ambient Blank Field ID: Lab ID:	Lab ID: P277385
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		32.0000	34.0000	32.0000		50.0000		32.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	0.0000 ND	210.0000		0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		65.0000	70.0000	65.0000		51.0000		65.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		42.0000	40.0000	37.0000		58.0000		35.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-99-0105 Lab ID: P276561	Field ID: KAFB-210-11-0105 Lab ID: P276561	Field ID: KAFB-210-11-0509 Lab ID: P276562	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.4000	8.6000	8.3000				
pH	N/A	N/A		8.3000						

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: *Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-12-5759 Lab ID: 940598-03	Field ID: KAFB-210-12-7072 Lab ID: 940598-04	Field ID: KAFB-210-12-8082 Lab ID: 940598-05	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-210-07069 Lab ID: 940598-02	Ambient Blank Field ID: Lab ID:	Lab ID:
ALUMINUM	3.5000	50.0000		1930.0000	3300.0000	1290.0000		0.0000 ND		
ANTIMONY	3.6000	40.0000	32.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
ARSENIC	0.3200	60.0000	38.9000	1.1000	0.9900 B	0.6500 B		0.0000 ND		
BARIUM	0.7500	2.0000	5600.000	26.9000	49.3000	28.1000		0.0000 ND		
BERYLLIUM	0.1100	0.3000	16.3000	0.1700 B	0.2300 B	0.1100 B		0.0000 ND		
CADMIUM	0.3200	4.0000	40.0000	0.3700 B	0.4300 B	0.4900 B		0.0000 ND		
CALCIUM	0.7500	10.0000		1020.0000	1500.0000	904.0000		103.0000 B		
CHROMIUM, TOTAL	0.7500	7.0000		1.3000	5.7000	0.7500 B		0.0000 ND		
COBALT	0.4300	7.0000		2.0000 B	3.7000 B	1.7000 B		0.0000 ND		
COPPER	0.6400	6.0000		29.3000	44.6000	18.6000		0.0000 ND		
IRON	0.5300	7.0000		3340.0000	5680.0000	2550.0000		0.0000 ND		
LEAD	0.1100	50.0000	400.0000	2.9000	3.8000	2.4000		1.1000 B		
MAGNESIUM	2.9000	30.0000		748.0000	1270.0000	617.0000		30.8000 B		
MANGANESE	0.1100	2.0000	400.0000	60.7000	86.9000	47.9000		0.0000 ND		
NICKEL	0.7500	15.0000	1600.000	2.8000 B	7.0000	1.5000 B		0.0000 ND		
POTASSIUM	1.1000	500.0000		239.0000 B	406.0000 B	211.0000 B		0.0000 ND		
SELENIUM	0.4300	80.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
SILVER	0.5300	7.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
SODIUM	5.4000	30.0000		132.0000 B	212.0000 B	103.0000 B		205.0000 B		
THALLIUM	0.4300	40.0000	7.2000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
VANADIUM	0.3200	8.0000	720.0000	5.5000	11.2000	4.3000 B		0.0000 ND		
ZINC	0.3200	2.0000	24000.00	27.7000	42.7000	23.9000		7.5000 B		
ALUMINUM	3.5000	50.0000		3410.0000	12300.0000	2480.0000		0.0000 ND		
ANTIMONY	3.6000	40.0000	32.0000	4.4000 B	0.0000 ND	0.0000 ND		0.0000 ND		
ARSENIC	0.3200	60.0000	38.9000	1.2000	2.5000	0.6900 B		0.0000 ND		
BARIUM	0.7400	2.0000	5600.000	39.5000	79.7000	33.0000		0.0000 ND		
BERYLLIUM	0.1100	0.3000	16.3000	0.2900 B	1.1000	0.1800 B		0.0000 ND		
CADMIUM	0.3200	4.0000	40.0000	0.5900	0.6200	0.5200		0.0000 ND		
CALCIUM	0.7400	10.0000		1930.0000	15700.0000	1440.0000		103.0000 B		
CHROMIUM, TOTAL	0.7400	7.0000		6.3000	10.4000	2.9000		0.0000 ND		
COBALT	0.4200	7.0000		4.5000 B	6.4000	3.6000 B		0.0000 ND		
COPPER	0.6300	6.0000		44.6000	30.9000	21.4000		0.0000 ND		
IRON	0.5300	7.0000		9600.0000	15700.0000	5480.0000		0.0000 ND		
LEAD	0.1100	50.0000	400.0000	5.9000	11.0000	2.5000		1.1000 B		
MAGNESIUM	2.8000	30.0000		2280.0000	6090.0000	1190.0000		30.8000 B		
MANGANESE	0.1100	2.0000	400.0000	139.0000	360.0000	91.3000		0.0000 ND		
NICKEL	0.7400	15.0000	1600.000	5.9000	10.6000	4.7000		0.0000 ND		
POTASSIUM	1.1000	500.0000		711.0000	2320.0000	375.0000 B		0.0000 ND		
SELENIUM	0.4200	80.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
SILVER	0.5300	7.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
SODIUM	5.4000	30.0000		203.0000 B	417.0000 B	167.0000 B		205.0000 B		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: *Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-12-9092 Lab ID: 940598-06	Field ID: KAFB-210-12-100102 Lab ID: 940598-07	Field ID: KAFB-210-12-110112 Lab ID: 940598-08	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-210-07069 Lab ID: 940598-02	Ambient Blank Field ID: Lab ID:	Lab ID:
THALLIUM	0.4200	40.0000	7.2000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
VANADIUM	0.3200	8.0000	720.0000	20.5000	23.3000	11.5000		0.0000 ND		
ZINC	0.3200	2.0000	24000.00	40.7000	69.3000	24.4000		7.5000 B		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-12-5759 Lab ID: 940598-03	Field ID: KAFB-210-12-7072 Lab ID: 940598-04	Field ID: KAFB-210-12-8082 Lab ID: 940598-05	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-210-07069 Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MERCURY	0.0400	0.1000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
MERCURY	0.0400	0.1000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: :
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-12-5759 Lab ID:	Field ID: KAFB-210-12-7072 Lab ID:	Field ID: KAFB-210-12-8082 Lab ID:	Trip Blank Field ID: KAFB-TB-01-070694 Lab ID:	Equipment Blank Field ID: KAFB-EB-210-07069 Lab ID:	Ambient Blank Field ID: KAFB-AB-210-07069 Lab ID:	Lab ID:
GASOLINE COMPONENTS	0.5000	1.0000		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
GASOLINE COMPONENTS	0.5000	1.0000		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-12-5759 Lab ID:	Field ID: KAFB-210-12-7072 Lab ID:	Field ID: KAFB-210-12-8082 Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-210-07069 Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
DIESEL COMPONENTS	10.0000	10.0000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
FUEL OILS	10.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
JET FUEL #4 (JP4)	10.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
JET FUEL #5 (JP5)	10.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
JET FUEL #8 (JP8)	10.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
KEROSENE	10.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
LUBRICATING OIL	10.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
MED. PETROLEUM DISTILLATE C8-C12 (ie:NAPHTHA etc.)	10.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
MOTOR OILS	10.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
DIESEL COMPONENTS	10.0000	10.0000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
FUEL OILS	10.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
JET FUEL #4 (JP4)	10.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
JET FUEL #5 (JP5)	10.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
JET FUEL #8 (JP8)	10.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
KEROSENE	10.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
LUBRICATING OIL	10.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
MED. PETROLEUM DISTILLATE C8-C12 (ie:NAPHTHA etc.)	10.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
MOTOR OILS	10.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

ANALYTCAL DATA SUMMARY

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-12-5759 Lab ID: 940598-03	Field ID: KAFB-210-12-7072 Lab ID: 940598-04	Field ID: KAFB-210-12-8082 Lab ID: 940598-05	Trip Blank Field ID: KAFB-TB-01-070694 Lab ID: 940598-09	Equipment Blank Field ID: KAFB-EB-210-07069 Lab ID: 940598-02	Ambient Blank Field ID: KAFB-AB-210-07069 Lab ID: 940598-01	Lab ID:
1,1,1-TRICHLOROETHANE	5.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
1,1,2,2-TETRACHLOROETHANE	5.0000	0.0050	35.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
1,1,2-TRICHLOROETHANE	5.0000	0.0050	123.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
1,1-DICHLOROETHANE	5.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
1,1-DICHLOROETHENE	5.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	41.0000	
1,2-DICHLOROETHANE	5.0000	0.0050	7.6900	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
1,2-DICHLOROPROPYLENE	5.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
2-HEXANONE	11.0000	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
ACETONE	11.0000	0.1000	8000.000	19.0000	17.0000	10.0000 J	0.0000 ND	0.0000 ND	9.0000 J	
BENZENE	5.0000	0.0050	24.1000	0.0000 ND	1.0000 J	0.0000 ND	0.0000 ND	0.0000 ND	46.0000 B	
BROMODICHLOROMETHANE	5.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
BROMOFORM	5.0000	0.0050	88.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
BROMOMETHANE	11.0000	0.0100	32.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
CARBON DISULFIDE	5.0000	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
CARBON TETRACHLORIDE	5.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
CHLOROBENZENE	5.0000	N/A	2160.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	49.0000	
CHLOROETHANE	11.0000	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
CHLOROFORM	5.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
CHLOROMETHANE	11.0000	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
DIBROMOCHLOROMETHANE	5.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
ETHYLBENZENE	5.0000	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
M-XYLENE (1,3-DIMETHYLBENZENE)	5.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
METHYL ETHYL KETONE (2-BUTANONE)	11.0000	0.1000	48000.00	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	11.0000	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
METHYLENE CHLORIDE	5.0000	0.0050	93.3000	0.0000 ND	0.0000 ND	0.0000 ND	2.0000 J	0.0000 ND	0.0000 ND	
STYRENE	5.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
TETRACHLOROETHYLENE(PCE)	5.0000	0.0050	800.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
TOLUENE	5.0000	0.0050	16000.00	0.0000 ND	1.0000 J	0.0000 ND	0.0000 ND	0.0000 ND	44.0000 B	
TOTAL 1,2-DICHLOROETHENE	5.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
TRICHLOROETHYLENE (TCE)	5.0000	0.0050	63.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	49.0000	
VINYL CHLORIDE	11.0000	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
cis-1,3-DICHLOROPROPENE	5.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
trans-1,3-DICHLOROPROPENE	5.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
1,1,1-TRICHLOROETHANE	5.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
1,1,2,2-TETRACHLOROETHANE	5.0000	0.0050	35.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
1,1,2-TRICHLOROETHANE	5.0000	0.0050	123.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
1,1-DICHLOROETHANE	5.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
1,1-DICHLOROETHENE	5.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	41.0000	
1,2-DICHLOROETHANE	5.0000	0.0050	7.6900	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
1,2-DICHLOROPROPYLENE	5.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
2-HEXANONE	10.0000	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-12-9092 Lab ID: 940598-06	Field ID: KAFB-210-12-100102 Lab ID: 940598-07	Field ID: KAFB-210-12-110112 Lab ID: 940598-08	Trip Blank Field ID: KAFB-TB-01-070694 Lab ID: 940598-09	Equipment Blank Field ID: KAFB-EB-210-07069 Lab ID: 940598-02	Ambient Blank Field ID: KAFB-AB-210-07069 Lab ID: 940598-01	Lab ID:
ACETONE	10.0000	0.1000	8000.000	5.0000 J	16.0000	11.0000	0.0000 ND	0.0000 ND	9.0000 J	
BENZENE	5.0000	0.0050	24.1000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	46.0000 B	
BROMODICHLOROMETHANE	5.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
BROMOFORM	5.0000	0.0050	88.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
BROMOMETHANE	10.0000	0.0100	32.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
CARBON DISULFIDE	5.0000	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
CARBON TETRACHLORIDE	5.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
CHLOROBENZENE	5.0000	N/A	2160.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	49.0000	
CHLOROETHANE	10.0000	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
CHLOROFORM	5.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
CHLOROMETHANE	10.0000	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
DIBROMOCHLOROMETHANE	5.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
ETHYLBENZENE	5.0000	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
M-XYLENE (1,3-DIMETHYLBENZENE)	5.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
METHYL ETHYL KETONE (2-BUTANONE)	10.0000	0.1000	48000.00	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	10.0000	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
METHYLENE CHLORIDE	5.0000	0.0050	93.3000	0.0000 ND	0.0000 ND	0.0000 ND	2.0000 J	0.0000 ND	0.0000 ND	
STYRENE	5.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
TETRACHLOROETHYLENE(PCE)	5.0000	0.0050	800.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
TOLUENE	5.0000	0.0050	16000.00	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	44.0000 B	
TOTAL 1,2-DICHLOROETHENE	5.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
TRICHLOROETHYLENE (TCE)	5.0000	0.0050	63.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	49.0000	
VINYL CHLORIDE	10.0000	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
cis-1,3-DICHLOROPROPENE	5.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
trans-1,3-DICHLOROPROPENE	5.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units:

ANALYTCAL DATA SUMMARY

Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-12-5759 Lab ID:	Field ID: KAFB-210-12-7072 Lab ID:	Field ID: KAFB-210-12-8082 Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-210-07069 Lab ID:	Ambient Blank Field ID: KAFB-AB-210-07069 Lab ID:	Lab ID:
1,2,4-TRICHLOROBENZENE	351.0000	0.7000	800.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	1400.0000	
1,2-DICHLOROBENZENE	351.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	
1,3-DICHLOROBENZENE	351.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	
1,4-DICHLOROBENZENE	351.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	1300.0000	
2,4,5-TRICHLOROPHENOL	851.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	
2,4,6-TRICHLOROPHENOL	351.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	
2,4-DICHLOROPHENOL	351.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	
2,4-DIMETHYLPHENOL	351.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	
2,4-DINITROPHENOL	851.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	
2,4-DINITROTOLUENE	351.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	
2,6-DINITROTOLUENE	351.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	1400.0000	
2-CHLORONAPHTHALENE	351.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	
2-CHLOROPHENOL	351.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	
2-METHYLNAPHTHALENE	351.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	1700.0000	
2-METHYLPHENOL (o-CRESOL)	351.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	
2-NITROANILINE	851.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	
2-NITROPHENOL	351.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	
3,3'-DICHLOROBENZIDINE	351.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	
3-NITROANILINE	851.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	
4,6-DINITRO-2-METHYLPHENOL	851.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	
4-BROMOPHENYL PHENYL ETHER	351.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	
4-CHLORO-3-METHYLPHENOL	351.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	2100.0000	
4-CHLOROANILINE	351.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	
4-CHLOROPHENYL PHENYL ETHER	351.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	
4-METHYLPHENOL (p-CRESOL)	351.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	
4-NITROANILINE	851.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	
4-NITROPHENOL	851.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	1800.0000	
ACENAPHTHENE	351.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	1800.0000	
ACENAPHTHYLENE	351.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	
ANTHRACENE	351.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	
BENZO(a)ANTHRACENE	351.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	
BENZO(a)PYRENE	351.0000	0.7000	959.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	
BENZO(b)FLUORANTHENE	351.0000	0.7000	95.9000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	
BENZO(g,h,i)PERYLENE	351.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	
BENZO(k)FLUORANTHENE	351.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	
BENZYL BUTYL PHTHALATE	351.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	
CHRYSENE	351.0000	0.7000	9.5900	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	
DI-n-BUTYL PHTHALATE	351.0000	0.7000	8000.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	
DI-n-OCTYLPHTHALATE	351.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	
DIBENZ(a,h)ANTHRACENE	351.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	
DIBENZOFURAN	351.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units:

Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-12-5759 Lab ID:	Field ID: KAFB-210-12-7072 Lab ID:	Field ID: KAFB-210-12-8082 Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-210-07069 Lab ID:	Ambient Blank Field ID: KAFB-AB-210-07069 Lab ID:	Lab ID:
DIETHYL PHTHALATE	351.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	
DIMETHYL PHTHALATE	351.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	
FLUORANTHENE	351.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	
FLUORENE	351.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	
HEXACHLOROBENZENE	351.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	
HEXACHLOROBUTADIENE	351.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	
HEXACHLOROCYCLOPENTADIENE	351.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	
HEXACHLOROETHANE	351.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	
INDENO(1,2,3-c,d)PYRENE	351.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	
ISOPHORONE	351.0000	0.7000	7370.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	
N-NITROSODI-n-PROPYLAMINE	351.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	1400.0000	
N-NITROSODIPHENYLAMINE	351.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	
NAPHTHALENE	351.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	
NITROBENZENE	351.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	
PENTACHLOROPHENOL	851.0000	3.3000	5.8300	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	250.0000 J	
PHENANTHRENE	351.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	
PHENOL	351.0000	0.3000	48000.00	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	1800.0000	
PYRENE	351.0000	0.7000	2400.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	1200.0000	
bis(2-CHLOROETHOXY) METHANE	351.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	351.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	
bis(2-CHLOROISOPROPYL) ETHER	351.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	
bis(2-ETHYLHEXYL) PHTHALATE	351.0000	0.7000	50.0000	63.0000 J	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	
1,2,4-TRICHLOROBENZENE	337.0000	0.7000	800.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	1400.0000	
1,2-DICHLOROBENZENE	337.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	
1,3-DICHLOROBENZENE	337.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	
1,4-DICHLOROBENZENE	337.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	1300.0000	
2,4,5-TRICHLOROPHENOL	816.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	
2,4,6-TRICHLOROPHENOL	337.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	
2,4-DICHLOROPHENOL	337.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	
2,4-DIMETHYLPHENOL	337.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	
2,4-DINITROPHENOL	816.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	
2,4-DINITROTOLUENE	337.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	1400.0000	
2,6-DINITROTOLUENE	337.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	
2-CHLORONAPHTHALENE	337.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	
2-CHLOROPHENOL	337.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	1700.0000	
2-METHYLNAPHTHALENE	337.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	
2-METHYLPHENOL (o-CRESOL)	337.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	
2-NITROANILINE	816.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	
2-NITROPHENOL	337.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	
3,3'-DICHLOROBENZIDINE	337.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	
3-NITROANILINE	816.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units:

ANALYTCAL DATA SUMMARY

Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-12-9092 Lab ID:	Field ID: KAFB-210-12-100102 Lab ID:	Field ID: KAFB-210-12-110112 Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-210-07069 Lab ID:	Ambient Blank Field ID: KAFB-AB-210-07069 Lab ID:	Lab ID:
4,6-DINITRO-2-METHYLPHENOL	816.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	
4-BROMOPHENYL PHENYL ETHER	337.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	
4-CHLORO-3-METHYLPHENOL	337.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	2100.0000	
4-CHLOROANILINE	337.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	
4-CHLOROPHENYL PHENYL ETHER	337.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	
4-METHYLPHENOL (p-CRESOL)	337.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	
4-NITROANILINE	816.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	
4-NITROPHENOL	816.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	1800.0000	
ACENAPHTHENE	337.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	1800.0000	
ACENAPHTHYLENE	337.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	
ANTHRACENE	337.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	
BENZO(a)ANTHRACENE	337.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	
BENZO(a)PYRENE	337.0000	0.7000	959.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	
BENZO(b)FLUORANTHENE	337.0000	0.7000	95.9000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	
BENZO(g,h,i)PERYLENE	337.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	
BENZO(k)FLUORANTHENE	337.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	
BENZYL BUTYL PHTHALATE	337.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	
CHRYSENE	337.0000	0.7000	9.5900	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	
DI-n-BUTYL PHTHALATE	337.0000	0.7000	8000.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	
DI-n-OCTYLPHTHALATE	337.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	
DIBENZ(a,h)ANTHRACENE	337.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	
DIBENZOFURAN	337.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	
DIETHYL PHTHALATE	337.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	
DIMETHYL PHTHALATE	337.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	
FLUORANTHENE	337.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	
FLUORENE	337.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	
HEXACHLOROBENZENE	337.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	
HEXACHLOROBUTADIENE	337.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	
HEXACHLOROCYCLOPENTADIENE	337.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	
HEXACHLOROETHANE	337.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	
INDENO(1,2,3-c,d)PYRENE	337.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	
ISOPHORONE	337.0000	0.7000	7370.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	
N-NITROSODI-n-PROPYLAMINE	337.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	1400.0000	
N-NITROSODIPHENYLAMINE	337.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	
NAPHTHALENE	337.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	
NITROBENZENE	337.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	
PENTACHLOROPHENOL	816.0000	3.3000	5.8300	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	250.0000 J	
PHENANTHRENE	337.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	
PHENOL	337.0000	0.3000	48000.00	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	1800.0000	
PYRENE	337.0000	0.7000	2400.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	1200.0000	
bis(2-CHLOROETHOXY) METHANE	337.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units:

Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-12-9092 Lab ID:	Field ID: KAFB-210-12-100102 Lab ID:	Field ID: KAFB-210-12-110112 Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-210-07069 Lab ID:	Ambient Blank Field ID: KAFB-AB-210-07069 Lab ID:	Lab ID:
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	337.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	
bis(2-CHLOROISOPROPYL) ETHER	337.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	
bis(2-ETHYLHEXYL) PHTHALATE	337.0000	0.7000	50.0000	120.0000 J	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

ANALYTCAL DATA SUMMARY

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-12-120122 Lab ID: 940600-02	Field ID: KAFB-210-12-130132 Lab ID: 940600-03	Field ID: KAFB-210-12-140142 Lab ID: 940600-04	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-210-07079 Lab ID: 940600-01	Ambient Blank Field ID: Lab ID:	Lab ID:
ALUMINUM	3.5000	50.0000		1900.0000	1350.0000	2110.0000		45.4000 B		
ANTIMONY	3.6000	40.0000	32.0000	0.0000 ND	0.0000 ND	0.0000 ND		37.8000 B		
ARSENIC	0.3100	60.0000	38.9000	0.4700 B	0.3800 B	0.5800 B		0.0000 ND		
BARIUM	0.7300	2.0000	5600.000	103.0000	29.6000	34.1000		0.0000 ND		
BERYLLIUM	0.1000	0.3000	16.3000	0.2100 B	0.1500 B	0.2100 B		0.0000 ND		
CADMIUM	0.3100	4.0000	40.0000	0.0000 ND	0.3100 B	0.3600 B		0.0000 ND		
CALCIUM	0.7300	10.0000		1720.0000	1020.0000	1620.0000		161.0000 B		
CHROMIUM, TOTAL	0.7300	7.0000		1.2000	1.6000	2.4000		14.8000		
COBALT	0.4200	7.0000		1.8000 B	1.6000 B	2.3000 B		0.0000 ND		
COPPER	0.6300	6.0000		42.9000	27.5000	51.4000		8.1000 B		
IRON	0.5200	7.0000		2900.0000	2420.0000	4340.0000		152.0000		
LEAD	0.1000	50.0000	400.0000	2.3000	2.2000	2.9000		0.0000 ND		
MAGNESIUM	2.8000	30.0000		887.0000	692.0000	1120.0000		49.8000 B		
MANGANESE	0.1000	2.0000	400.0000	65.7000	46.6000	77.8000		4.5000 B		
NICKEL	0.7300	15.0000	1600.000	3.0000 B	2.0000 B	2.2000 B		8.4000 B		
POTASSIUM	1.1000	500.0000		520.0000	281.0000 B	459.0000 B		0.0000 ND		
SELENIUM	0.4200	80.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
SILVER	0.5200	7.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
SODIUM	5.3000	30.0000		233.0000 B	98.4000 B	133.0000 B		385.0000 B		
THALLIUM	0.4200	40.0000	7.2000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
VANADIUM	0.3100	8.0000	720.0000	3.7000 B	4.0000 B	7.8000		0.0000 ND		
ZINC	0.3100	2.0000	24000.00	37.0000	20.0000	30.1000		9.5000 B		
ALUMINUM	3.8000	50.0000		2110.0000	1660.0000			45.4000 B		
ANTIMONY	3.9000	40.0000	32.0000	0.0000 ND	0.0000 ND			37.8000 B		
ARSENIC	0.3500	60.0000	38.9000	0.5800 B	0.7000 B			0.0000 ND		
BARIUM	0.8100	2.0000	5600.000	34.1000	17.7000 B			0.0000 ND		
BERYLLIUM	0.1200	0.3000	16.3000	0.2100 B	0.1500 B			0.0000 ND		
CADMIUM	0.3500	4.0000	40.0000	0.3600 B	0.0000 ND			0.0000 ND		
CALCIUM	0.8100	10.0000		1620.0000	980.0000			161.0000 B		
CHROMIUM, TOTAL	0.8100	7.0000		2.4000	1.9000			14.8000		
COBALT	0.4600	7.0000		2.3000 B	1.6000 B			0.0000 ND		
COPPER	0.6900	6.0000		51.4000	26.8000			8.1000 B		
IRON	0.5800	7.0000		4340.0000	3540.0000			152.0000		
LEAD	0.1200	50.0000	400.0000	2.9000	2.1000			0.0000 ND		
MAGNESIUM	3.1000	30.0000		1120.0000	795.0000			49.8000 B		
MANGANESE	0.1200	2.0000	400.0000	77.8000	51.6000			4.5000 B		
NICKEL	0.8100	15.0000	1600.000	2.2000 B	2.5000 B			8.4000 B		
POTASSIUM	1.2000	500.0000		459.0000 B	260.0000 B			0.0000 ND		
SELENIUM	0.4600	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		
SILVER	0.5800	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		
SODIUM	5.9000	30.0000		133.0000 B	109.0000 B			385.0000 B		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: *Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-246-99-140142 Lab ID: 940600-04	Field ID: KAFB-210-12-150153 Lab ID: 940600-06	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-210-07079 Lab ID: 940600-01	Ambient Blank Field ID: Lab ID:	Lab ID:
THALLIUM	0.4600	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		
VANADIUM	0.3500	8.0000	720.0000	7.8000	7.1000			0.0000 ND		
ZINC	0.3500	2.0000	24000.00	30.1000	20.5000			9.5000 B		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-12-120122 Lab ID:	Field ID: KAFB-210-12-130132 Lab ID: 940600-03	Field ID: KAFB-210-12-140142 Lab ID: 940600-04	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-210-07079 Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MERCURY	0.0400	0.1000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
MERCURY	0.0400	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: :
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-12-120122 Lab ID:	Field ID: KAFB-210-12-130132 Lab ID:	Field ID: KAFB-210-12-140142 Lab ID:	Trip Blank Field ID: KAFB-TB-01-070794 Lab ID:	Equipment Blank Field ID: KAFB-EB-210-07079 Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
GASOLINE COMPONENTS	0.5000	1.0000		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
GASOLINE COMPONENTS	0.5000	1.0000		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-12-120122 Lab ID:	Field ID: KAFB-210-12-130132 Lab ID:	Field ID: KAFB-210-12-140142 Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-210-07079 Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
DIESEL COMPONENTS	10.0000	10.0000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
FUEL OILS	10.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
JET FUEL #4 (JP4)	10.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
JET FUEL #5 (JP5)	10.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
JET FUEL #8 (JP8)	10.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
KEROSENE	10.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
LUBRICATING OIL	10.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
MED. PETROLEUM DISTILLATE C8-C12 (ie:NAPHTHA etc.)	10.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
MOTOR OILS	10.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
DIESEL COMPONENTS	10.0000	10.0000		0.0000 ND	0.0000 ND			0.0000 ND		
FUEL OILS	10.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		
JET FUEL #4 (JP4)	10.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		
JET FUEL #5 (JP5)	10.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		
JET FUEL #8 (JP8)	10.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		
KEROSENE	10.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		
LUBRICATING OIL	10.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		
MED. PETROLEUM DISTILLATE C8-C12 (ie:NAPHTHA etc.)	10.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		
MOTOR OILS	10.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-12-120122 Lab ID:	Field ID: KAFB-210-12-130132 Lab ID:	Field ID: KAFB-210-12-140142 Lab ID:	Trip Blank Field ID: KAFB-TB-01-070794 Lab ID: 940600-07	Equipment Blank Field ID: KAFB-EB-210-07079 Lab ID: 0366840002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	5.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	5.0000	0.0050	35.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	5.0000	0.0050	123.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	5.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	5.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	5.0000	0.0050	7.6900	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,2-DICHLOROPROPYLENE	5.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
2-HEXANONE	11.0000	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ACETONE	11.0000	0.1000	8000.000	4.0000 J	14.0000	0.0000 ND	0.0000 ND	0.0000 ND		
BENZENE	5.0000	0.0050	24.1000	1.0000 J	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	5.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMOFORM	5.0000	0.0050	88.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMOMETHANE	11.0000	0.0100	32.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CARBON DISULFIDE	5.0000	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	5.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROBENZENE	5.0000	N/A	2160.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROETHANE	11.0000	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROFORM	5.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROMETHANE	11.0000	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	5.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ETHYLBENZENE	5.0000	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
M-XYLENE (1,3-DIMETHYLBENZENE)	5.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	11.0000	0.1000	48000.00	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	11.0000	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	5.0000	0.0050	93.3000	0.0000 ND	0.0000 ND	0.0000 ND	1.0000 JX	0.0000 ND		
STYRENE	5.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	5.0000	0.0050	800.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TOLUENE	5.0000	0.0050	16000.00	2.0000 J	1.0000 J	0.0000 ND	0.0000 ND	0.0000 ND		
TOTAL 1,2-DICHLOROETHENE	5.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TRICHLOROETHYLENE (TCE)	5.0000	0.0050	63.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
VINYL CHLORIDE	11.0000	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	5.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	5.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,1-TRICHLOROETHANE	6.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	6.0000	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	6.0000	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	6.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	6.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	6.0000	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROPROPYLENE	6.0000	N/A		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	12.0000	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-246-99-140142 Lab ID:	Field ID: KAFB-210-12-150153 Lab ID: 940600-06MS	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-070794 Lab ID: 940600-07	Equipment Blank Field ID: KAFB-EB-210-07079 Lab ID: 0366840002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
ACETONE	12.0000	0.1000	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BENZENE	6.0000	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	6.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	6.0000	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	12.0000	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON DISULFIDE	6.0000	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	6.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	6.0000	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	12.0000	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	6.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	12.0000	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	6.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	6.0000	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
M-XYLENE (1,3-DIMETHYLBENZENE)	6.0000	N/A		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	12.0000	0.1000	48000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	12.0000	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	6.0000	0.0050	93.3000	0.0000 ND	0.0000 ND		1.0000 JX	0.0000 ND		
STYRENE	6.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	6.0000	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	6.0000	0.0050	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOTAL 1,2-DICHLOROETHENE	6.0000	N/A		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TRICHLOROETHYLENE (TCE)	6.0000	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	12.0000	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	6.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	6.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units:

Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-12-120122 Lab ID:	Field ID: KAFB-210-12-130132 Lab ID:	Field ID: KAFB-210-12-140142 Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-210-07079 Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
1,2,4-TRICHLOROBENZENE	347.0000	0.7000	800.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
1,2-DICHLOROBENZENE	347.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
1,3-DICHLOROBENZENE	347.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
1,4-DICHLOROBENZENE	347.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2,4,5-TRICHLOROPHENOL	842.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2,4,6-TRICHLOROPHENOL	347.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2,4-DICHLOROPHENOL	347.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2,4-DIMETHYLPHENOL	347.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2,4-DINITROPHENOL	842.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2,4-DINITROTOLUENE	347.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2,6-DINITROTOLUENE	347.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2-CHLORONAPHTHALENE	347.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2-CHLOROPHENOL	347.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2-METHYLNAPHTHALENE	347.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2-METHYLPHENOL (o-CRESOL)	347.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2-NITROANILINE	842.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2-NITROPHENOL	347.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
3,3'-DICHLOROBENZIDINE	347.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
3-NITROANILINE	842.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
4,6-DINITRO-2-METHYLPHENOL	842.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
4-BROMOPHENYL PHENYL ETHER	347.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
4-CHLORO-3-METHYLPHENOL	347.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
4-CHLOROANILINE	347.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
4-CHLOROPHENYL PHENYL ETHER	347.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
4-METHYLPHENOL (p-CRESOL)	347.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
4-NITROANILINE	842.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
4-NITROPHENOL	842.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
ACENAPHTHENE	347.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
ACENAPHTHYLENE	347.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
ANTHRACENE	347.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
BENZO(a)ANTHRACENE	347.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
BENZO(a)PYRENE	347.0000	0.7000	959.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
BENZO(b)FLUORANTHENE	347.0000	0.7000	95.9000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
BENZO(g,h,i)PERYLENE	347.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
BENZO(k)FLUORANTHENE	347.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
BENZYL BUTYL PHTHALATE	347.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
CHRYSENE	347.0000	0.7000	9.5900	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
DI-n-BUTYL PHTHALATE	347.0000	0.7000	8000.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
DI-n-OCTYLPHTHALATE	347.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
DIBENZ(a,h)ANTHRACENE	347.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
DIBENZOFURAN	347.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units:

Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-210-12-120122 Lab ID:	Field ID: KAFB-210-12-130132 Lab ID:	Field ID: KAFB-210-12-140142 Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-210-07079 Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
DIETHYL PHTHALATE	347.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
DIMETHYL PHTHALATE	347.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
FLUORANTHENE	347.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
FLUORENE	347.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
HEXACHLOROBENZENE	347.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
HEXACHLOROBUTADIENE	347.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
HEXACHLOROCYCLOPENTADIENE	347.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
HEXACHLOROETHANE	347.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
INDENO(1,2,3-c,d)PYRENE	347.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
ISOPHORONE	347.0000	0.7000	7370.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
N-NITROSODI-n-PROPYLAMINE	347.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
N-NITROSODIPHENYLAMINE	347.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
NAPHTHALENE	347.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
NITROBENZENE	347.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
PENTACHLOROPHENOL	842.0000	3.3000	5.8300	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
PHENANTHRENE	347.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
PHENOL	347.0000	0.3000	48000.00	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
PYRENE	347.0000	0.7000	2400.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
bis(2-CHLOROETHOXY) METHANE	347.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	347.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
bis(2-CHLOROISOPROPYL) ETHER	347.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
bis(2-ETHYLHEXYL) PHTHALATE	347.0000	0.7000	50.0000	42.0000 J	74.0000 J	0.0000 ND		1.0000 J		
1,2,4-TRICHLOROBENZENE	384.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		
1,2-DICHLOROBENZENE	384.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
1,3-DICHLOROBENZENE	384.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
1,4-DICHLOROBENZENE	384.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4,5-TRICHLOROPHENOL	930.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4,6-TRICHLOROPHENOL	384.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4-DICHLOROPHENOL	384.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4-DIMETHYLPHENOL	384.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4-DINITROPHENOL	930.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4-DINITROTOLUENE	384.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
2,6-DINITROTOLUENE	384.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
2-CHLORONAPHTHALENE	384.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
2-CHLOROPHENOL	384.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2-METHYLNAPHTHALENE	384.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		
2-METHYLPHENOL (o-CRESOL)	384.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2-NITROANILINE	930.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2-NITROPHENOL	384.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
3,3'-DICHLOROBENZIDINE	384.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		
3-NITROANILINE	930.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units:

Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-246-99-140142 Lab ID:	Field ID: KAFB-210-12-150153 Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-210-07079 Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
4,6-DINITRO-2-METHYLPHENOL	930.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-BROMOPHENYL PHENYL ETHER	384.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
4-CHLORO-3-METHYLPHENOL	384.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-CHLOROANILINE	384.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-CHLOROPHENYL PHENYL ETHER	384.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
4-METHYLPHENOL (p-CRESOL)	384.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-NITROANILINE	930.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-NITROPHENOL	930.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		
ACENAPHTHENE	384.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
ACENAPHTHYLENE	384.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
ANTHRACENE	384.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(a)ANTHRACENE	384.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(a)PYRENE	384.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(b)FLUORANTHENE	384.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(g,h,i)PERYLENE	384.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(k)FLUORANTHENE	384.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		
BENZYL BUTYL PHTHALATE	384.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
CHRYSENE	384.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		
DI-n-BUTYL PHTHALATE	384.0000	0.7000	8000.000	0.0000 ND	0.0000 ND			0.0000 ND		
DI-n-OCTYLPHTHALATE	384.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
DIBENZ(a,h)ANTHRACENE	384.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
DIBENZOFURAN	384.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
DIETHYL PHTHALATE	384.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
DIMETHYL PHTHALATE	384.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
FLUORANTHENE	384.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		
FLUORENE	384.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		
HEXACHLOROBENZENE	384.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
HEXACHLOROBUTADIENE	384.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
HEXACHLOROCYCLOPENTADIENE	384.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
HEXACHLOROETHANE	384.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
INDENO(1,2,3-c,d)PYRENE	384.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
ISOPHORONE	384.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		
N-NITROSODI-n-PROPYLAMINE	384.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
N-NITROSODIPHENYLAMINE	384.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
NAPHTHALENE	384.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		
NITROBENZENE	384.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
PENTACHLOROPHENOL	930.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		
PHENANTHRENE	384.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
PHENOL	384.0000	0.3000	48000.00	0.0000 ND	0.0000 ND			0.0000 ND		
PYRENE	384.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		
bis(2-CHLOROETHOXY) METHANE	384.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-210: Oil/Water Separator and Holding Tan
Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units:

Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-246-99-140142 Lab ID:	Field ID: KAFB-210-12-150153 Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-210-07079 Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	384.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
bis(2-CHLOROISOPROPYL) ETHER	384.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
bis(2-ETHYLHEXYL) PHTHALATE	384.0000	0.7000	50.0000	0.0000 ND	550.0000			1.0000 J		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-211: Oil/Water Separator ST-211 Bldg.381
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-211-01-0711 Lab ID: 0352200003SA	Field ID: Lab ID: 0352200003SA	Field ID: KAFB-211-01-1216 Lab ID: 0352200004SA	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		8.8000		7.0000				

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-211: Oil/Water Separator ST-211 Bldg.381
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: *Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-211-01-0711 Lab ID: P271892	Field ID: KAFB-211-01-1216 Lab ID: P271893	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-211-05029 Lab ID: P271891	Ambient Blank Field ID: Lab ID:	Lab ID: P272776
ALUMINUM	2.0000	50.0000		6930.0000	7430.0000			0.0000 ND		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	40.3000	0.0000 ND			0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	252.0000	129.0000			0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.4500	0.4300			0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	1.0000	0.5400			0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		79900.0000	11000.0000			42.0000		3.6000
CHROMIUM, TOTAL	1.0000	7.0000		7.3000	13.6000			0.0000 ND		1.6000
COBALT	1.0000	7.0000		6.7000	6.9000			0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		16.5000	79.6000			2.0000		0.0000 ND
IRON	0.8000	7.0000		10800.0000	11600.0000			11.0000		1.1000
LEAD	3.0000	50.0000	400.0000	8.2000	5.7000			0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		4460.0000	3840.0000			0.0000 ND		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	269.0000	240.0000			0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	7.3000	76.2000			0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		1400.0000	1500.0000			0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		166.0000	216.0000			0.0000 ND		0.0000 ND
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	35.1000	28.2000			0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	30.0000	56.9000			8.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-211: Oil/Water Separator ST-211 Bldg.381
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-211-01-0711 Lab ID: P271892	Field ID: KAFB-211-01-1216 Lab ID: P271893	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-211-05029 Lab ID: P271891	Ambient Blank Field ID: Lab ID:	Lab ID: P273670
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-211: Oil/Water Separator ST-211 Bldg.381
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-211-01-0711 Lab ID:	Field ID: KAFB-211-01-1216 Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-211-05029 Lab ID: P271891	Ambient Blank Field ID: Lab ID:	Lab ID:
GASOLINE COMPONENTS	100.0000	1.0000		0.0000 ND	0.0000 ND			4400.0000		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-211: Oil/Water Separator ST-211 Bldg.381
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-211-01-0711 Lab ID: P271892	Field ID: KAFB-211-01-1216 Lab ID: P271893	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-211-05029 Lab ID: P271891	Ambient Blank Field ID: Lab ID:	Lab ID: P272865
DIESEL COMPONENTS	700.0000	10.0000		0.0000 ND	720.0000			260.0000		0.0000 ND
PENTACOSANE	N/A	N/A		3060.0000	3470.0000			109.0000		3640.0000

Base: KIRTLAND AFB
Site: ST-211: Oil/Water Separator ST-211 Bldg.381
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

ANALYTCAL DATA SUMMARY

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-211-01-0711 Lab ID: 0352200003SA	Field ID: KAFB-211-01-1216 Lab ID: 0352200004SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-050294 Lab ID: 0352200001TB	Equipment Blank Field ID: KAFB-EB-211-05029 Lab ID: 0352200002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0055	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0055	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0044	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0055	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0044	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		92.0000 %	96.0000 %		95.0000 %	97.0000 %		
1,2-DICHLOROPROPANE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		95.0000 %	95.0000 %		99.0000 %	325.0000		
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ACETONE	0.0110	0.1000	8000.000	0.0042 TR	0.0038 TR		4.7000 TR	0.0000 ND		
BENZENE	0.0022	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0022	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0055	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0044	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0055	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0022	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0022	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0066	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0044	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0022	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0033	0.0050	93.3000	0.0015 TR	0.0014 TR		0.0000 ND	0.0000 ND		
STYRENE	0.0055	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0022	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0033	0.0050	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		98.0000 %	98.0000 %		99.0000 %	98.0000 %		
TRICHLOROETHYLENE (TCE)	0.0033	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0077	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0044	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0055	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0055	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0055	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-211: Oil/Water Separator ST-211 Bldg.381
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-211-01-0711 Lab ID: P271892	Field ID: KAFB-211-01-1216 Lab ID: P271893	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-211-05029 Lab ID: P271891	Ambient Blank Field ID: Lab ID:	Lab ID: P272861
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		95.0000	93.0000			100.0000		84.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		45.0000	48.0000			42.0000		40.0000
2-FLUOROPHENOL	N/A	N/A		74.0000	76.0000			56.0000		65.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-211: Oil/Water Separator ST-211 Bldg.381
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-211-01-0711 Lab ID: P271892	Field ID: KAFB-211-01-1216 Lab ID: P271893	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-211-05029 Lab ID: P271891	Ambient Blank Field ID: Lab ID:	Lab ID: P272861
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	500.0000	490.0000			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		43.0000	44.0000			36.0000		38.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		78.0000	82.0000			47.0000		71.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		51.0000	54.0000			51.0000		46.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-211: Oil/Water Separator ST-211 Bldg.381
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-211-01-0711 Lab ID: P271892	Field ID: Lab ID: P271892	Field ID: KAFB-211-01-1216 Lab ID: P271893	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.8000		9.0000				

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-211: Oil/Water Separator ST-211 Bldg.381
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-211-02-0711 Lab ID: 0352200005SA	Field ID: KAFB-211-02-1216 Lab ID: 0352200006SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		11.0000	15.0000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-211: Oil/Water Separator ST-211 Bldg.381
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-211-02-0711 Lab ID: P271894	Field ID: KAFB-211-02-1216 Lab ID: P271895	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-211-05029 Lab ID: P271891	Ambient Blank Field ID: Lab ID:	Lab ID: P272776
ALUMINUM	2.0000	50.0000		9510.0000	8090.0000			0.0000 ND		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	59.1000	669.0000			0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.6600	0.4500			0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.6600	0.9000			0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		18700.0000	21500.0000			42.0000		3.6000
CHROMIUM, TOTAL	1.0000	7.0000		9.9000	9.8000			0.0000 ND		1.6000
COBALT	1.0000	7.0000		6.2000	7.1000			0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		45.1000	14.7000			2.0000		0.0000 ND
IRON	0.8000	7.0000		13900.0000	12200.0000			11.0000		1.1000
LEAD	3.0000	50.0000	400.0000	16.8000	13.3000			0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		4720.0000	4020.0000			0.0000 ND		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	257.0000	226.0000			0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	43.1000	91.4000			0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		1900.0000	1760.0000			0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		204.0000	162.0000			0.0000 ND		0.0000 ND
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	34.9000	28.3000			0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	48.4000	38.9000			8.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-211: Oil/Water Separator ST-211 Bldg.381
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-211-02-0711 Lab ID: P271894	Field ID: KAFB-211-02-1216 Lab ID: P271895	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-211-05029 Lab ID: P271891	Ambient Blank Field ID: Lab ID:	Lab ID: P273670
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-211: Oil/Water Separator ST-211 Bldg.381
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-211-02-0711 Lab ID:	Field ID: KAFB-211-02-1216 Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-211-05029 Lab ID: P271891	Ambient Blank Field ID: Lab ID:	Lab ID:
GASOLINE COMPONENTS	200.0000	1.0000		0.0000 ND	200.0000			4400.0000		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-211: Oil/Water Separator ST-211 Bldg.381
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-211-02-0711 Lab ID: P271894	Field ID: KAFB-211-02-1216 Lab ID: P271895	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-211-05029 Lab ID: P271891	Ambient Blank Field ID: Lab ID:	Lab ID: P277127
DIESEL COMPONENTS	70.0000	10.0000		1200.0000	71000.0000			260.0000		0.0000
PENTACOSANE	N/A	N/A		3370.0000	3740.0000			109.0000		0.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-211: Oil/Water Separator ST-211 Bldg.381
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-211-02-0711 Lab ID: 0352200005SA	Field ID: KAFB-211-02-1216 Lab ID: 0352200006SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-050294 Lab ID: 0352200001TB	Equipment Blank Field ID: KAFB-EB-211-05029 Lab ID: 0352200002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0034	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0056	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0056	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0045	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0056	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0045	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		93.0000 %	90.0000 %		95.0000 %	97.0000 %		
1,2-DICHLOROPROPANE	0.0034	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		87.0000 %	96.0000 %		99.0000 %	325.0000		
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ACETONE	0.0110	0.1000	8000.000	0.0085 TR	0.0049 TR		4.7000 TR	0.0000 ND		
BENZENE	0.0023	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0023	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0056	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0045	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0056	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0034	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0023	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0023	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0068	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0045	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0023	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0034	0.0050	93.3000	0.0020 TR	0.0016 TR		0.0000 ND	0.0000 ND		
STYRENE	0.0056	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0023	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0034	0.0050	16000.00	0.0051	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		103.0000 %	98.0000 %		99.0000 %	98.0000 %		
TRICHLOROETHYLENE (TCE)	0.0034	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0079	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0045	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0056	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0056	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0056	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0034	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-211: Oil/Water Separator ST-211 Bldg.381
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-211-02-0711 Lab ID: P271894	Field ID: KAFB-211-02-1216 Lab ID: P271895	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-211-05029 Lab ID: P271891	Ambient Blank Field ID: Lab ID:	Lab ID: P272861
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		110.0000	110.0000			100.0000		84.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		50.0000	47.0000			42.0000		40.0000
2-FLUOROPHENOL	N/A	N/A		79.0000	78.0000			56.0000		65.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-211: Oil/Water Separator ST-211 Bldg.381
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-211-02-0711 Lab ID: P271894	Field ID: KAFB-211-02-1216 Lab ID: P271895	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-211-05029 Lab ID: P271891	Ambient Blank Field ID: Lab ID:	Lab ID: P272861
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	300.0000	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		46.0000	45.0000			36.0000		38.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		86.0000	82.0000			47.0000		71.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		55.0000	54.0000			51.0000		46.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-211: Oil/Water Separator ST-211 Bldg.381
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-211-02-0711 Lab ID: P271894	Field ID: KAFB-211-02-1216 Lab ID: P271895	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.6000	8.6000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-211: Oil/Water Separator ST-211 Bldg 381
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-211-03-0813 Lab ID: 0352200007SA	Field ID: KAFB-211-03-1320 Lab ID: 0352200008SA	Field ID: KAFB-211-99-1320 Lab ID: 0352200008SA	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		14.0000	12.0000	13.0000				

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-211: Oil/Water Separator ST-211 Bldg.381
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-211-03-0813 Lab ID: P271896	Field ID: KAFB-211-03-1320 Lab ID: P271897	Field ID: KAFB-211-99-1320 Lab ID: P271897	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-211-05029 Lab ID: P271891	Ambient Blank Field ID: Lab ID:	Lab ID: P272776
ALUMINUM	2.0000	50.0000		10600.0000	5270.0000	9290.0000		0.0000 ND		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	44.5000	55.7000	73.6000		0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.5500	0.3200	0.5700		0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	1.1000	0.6300	0.0000 ND		0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		11100.0000	12700.0000	28500.0000		42.0000		3.6000
CHROMIUM, TOTAL	1.0000	7.0000		9.8000	8.1000	10.5000		0.0000 ND		1.6000
COBALT	1.0000	7.0000		8.3000	4.5000	6.7000		0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		43.0000	35.2000	32.6000		2.0000		0.0000 ND
IRON	0.8000	7.0000		16000.0000	8270.0000	13600.0000		11.0000		1.1000
LEAD	3.0000	50.0000	400.0000	7.4000	7.3000	6.9000		0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		5240.0000	2590.0000	4750.0000		0.0000 ND		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	289.0000	176.0000	372.0000		0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	10.1000	63.1000	12.0000		0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		2190.0000	1080.0000	1740.0000		0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		271.0000	206.0000	359.0000		0.0000 ND		0.0000 ND
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	38.5000	19.8000	32.5000		0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	52.0000	33.8000	43.3000		8.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-211: Oil/Water Separator ST-211 Bldg.381
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-211-03-0813 Lab ID: P271896	Field ID: KAFB-211-03-1320 Lab ID: P271897	Field ID: KAFB-211-99-1320 Lab ID: P271897	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-211-05029 Lab ID: P271891	Ambient Blank Field ID: Lab ID:	Lab ID: P273670
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-211: Oil/Water Separator ST-211 Bldg.381
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-211-03-0813 Lab ID:	Field ID: KAFB-211-03-1320 Lab ID:	Field ID: KAFB-211-99-1320 Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-211-05029 Lab ID: P271891	Ambient Blank Field ID: Lab ID:	Lab ID:
GASOLINE COMPONENTS	100.0000	1.0000		0.0000 ND	0.0000 ND	0.0000 ND		4400.0000		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-211: Oil/Water Separator ST-211 Bldg.381
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-211-03-0813 Lab ID: P271896	Field ID: KAFB-211-03-1320 Lab ID: P271897	Field ID: KAFB-211-99-1320 Lab ID: P271897	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-211-05029 Lab ID: P271891	Ambient Blank Field ID: Lab ID:	Lab ID: P277127
DIESEL COMPONENTS	70.0000	10.0000		620.0000	0.0000 ND	1100.0000		260.0000		0.0000
PENTACOSANE	N/A	N/A		3090.0000	3400.0000	3300.0000		109.0000		0.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-211: Oil/Water Separator ST-211 Bldg.381
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-211-03-0813 Lab ID: 0352200007SA	Field ID: KAFB-211-03-1320 Lab ID: 0352200008SA	Field ID: KAFB-211-99-1320 Lab ID: 0352200008SA	Trip Blank Field ID: KAFB-TB-01-050294 Lab ID: 0352200001TB	Equipment Blank Field ID: KAFB-EB-211-05029 Lab ID: 0352200002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0035	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0058	0.0050	35.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0058	0.0050	123.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0047	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0058	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0047	0.0050	7.6900	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		96.0000 %	97.0000 %	95.0000 %	95.0000 %	97.0000 %		
1,2-DICHLOROPROPANE	0.0035	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		96.0000 %	97.0000 %	95.0000 %	99.0000 %	325.0000		
2-CHLOROETHYL VINYL ETHER	0.0120	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
2-HEXANONE	0.0120	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ACETONE	0.0120	0.1000	8000.000	0.0050 TR	0.0000 ND	0.0025 TR	4.7000 TR	0.0000 ND		
BENZENE	0.0023	0.0050	24.1000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0023	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMOFORM	0.0058	0.0050	88.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0047	0.0100	32.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0058	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0035	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0023	N/A	2160.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0120	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROFORM	0.0023	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0070	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0047	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0023	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0120	0.1000	48000.00	0.0026 TR	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0120	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0035	0.0050	93.3000	0.0014 TR	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
STYRENE	0.0058	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0023	0.0050	800.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TOLUENE	0.0035	0.0050	16000.00	0.0000 ND	0.0021 TR	0.0000 ND	0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		98.0000 %	96.0000 %	98.0000 %	99.0000 %	98.0000 %		
TRICHLOROETHYLENE (TCE)	0.0035	0.0050	63.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0082	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0047	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0058	0.0050	160000.0	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0058	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0058	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0035	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-211: Oil/Water Separator ST-211 Bldg.381
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-211-03-0813 Lab ID: P271896	Field ID: KAFB-211-03-1320 Lab ID: P271897	Field ID: KAFB-211-99-1320 Lab ID: P271897	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-211-05029 Lab ID: P271891	Ambient Blank Field ID: Lab ID:	Lab ID: P272861
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		98.0000	110.0000	110.0000		100.0000		84.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		48.0000	53.0000	49.0000		42.0000		40.0000
2-FLUOROPHENOL	N/A	N/A		76.0000	80.0000	75.0000		56.0000		65.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-211: Oil/Water Separator ST-211 Bldg.381
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-211-03-0813 Lab ID: P271896	Field ID: KAFB-211-03-1320 Lab ID: P271897	Field ID: KAFB-211-99-1320 Lab ID: P271897	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-211-05029 Lab ID: P271891	Ambient Blank Field ID: Lab ID:	Lab ID: P272861
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	400.0000	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		46.0000	48.0000	45.0000		36.0000		38.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	180.0000	0.0000 ND		0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		83.0000	90.0000	83.0000		47.0000		71.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		52.0000	58.0000	54.0000		51.0000		46.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-211: Oil/Water Separator ST-211 Bldg.381
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-211-03-0813 Lab ID: P271896	Field ID: KAFB-211-03-1320 Lab ID: P271897	Field ID: KAFB-211-99-1320 Lab ID: P271897	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.7000	10.6000	8.8000				

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-211: Oil/Water Separator ST-211 Bldg.381
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-211-04-0711 Lab ID: 0352200010SA	Field ID: KAFB-211-99-0711 Lab ID: 0352200010SA	Field ID: KAFB-211-04-1216 Lab ID: 0352200011SA	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		11.0000	8.9000	7.5000				
MOISTURE, PERCENT	N/A	N/A		7.5000						

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-211: Oil/Water Separator ST-211 Bldg.381
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-211-04-0711 Lab ID: P271899	Field ID: KAFB-211-99-0711 Lab ID: P271899	Field ID: KAFB-211-04-1216 Lab ID: P271900	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-211-05029 Lab ID: P271891	Ambient Blank Field ID: Lab ID:	Lab ID: P272776
ALUMINUM	2.0000	50.0000		10900.0000	10300.0000	12000.0000		0.0000 ND		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	56.4000	950.0000	36.0000		0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.6800	0.6700	0.5400		0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.5600	0.5600	0.5500		0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		4150.0000	38900.0000	1670.0000		42.0000		3.6000
CHROMIUM, TOTAL	1.0000	7.0000		9.5000	10.4000	11.0000		0.0000 ND		1.6000
COBALT	1.0000	7.0000		7.3000	7.7000	10.5000		0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		16.6000	33.0000	15.6000		2.0000		0.0000 ND
IRON	0.8000	7.0000		15800.0000	13900.0000	12900.0000		11.0000		1.1000
LEAD	3.0000	50.0000	400.0000	9.9000	8.4000	8.0000		0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		5570.0000	5340.0000	4080.0000		0.0000 ND		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	350.0000	369.0000	251.0000		0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	11.1000	11.0000	11.5000		0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		1940.0000	1800.0000	1540.0000		0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		179.0000	189.0000	222.0000		0.0000 ND		0.0000 ND
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	41.6000	43.3000	30.5000		0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	42.6000	44.7000	34.1000		8.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-211: Oil/Water Separator ST-211 Bldg.381
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-211-04-0711 Lab ID: P271899	Field ID: KAFB-211-99-0711 Lab ID: P271899	Field ID: KAFB-211-04-1216 Lab ID: P271900	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-211-05029 Lab ID: P271891	Ambient Blank Field ID: Lab ID:	Lab ID: P273670
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-211: Oil/Water Separator ST-211 Bldg.381
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-211-04-0711 Lab ID:	Field ID: KAFB-211-99-0711 Lab ID:	Field ID: KAFB-211-04-1216 Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-211-05029 Lab ID: P271891	Ambient Blank Field ID: Lab ID:	Lab ID:
GASOLINE COMPONENTS	100.0000	1.0000		140.0000	170.0000	1700.0000		4400.0000		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-211: Oil/Water Separator ST-211 Bldg.381
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-211-04-0711 Lab ID: P271899	Field ID: KAFB-211-99-0711 Lab ID: P271899	Field ID: KAFB-211-04-1216 Lab ID: P271900	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-211-05029 Lab ID: P271891	Ambient Blank Field ID: Lab ID:	Lab ID: P272865
DIESEL COMPONENTS	70.0000	10.0000		1000.0000	820.0000	1100.0000		260.0000		0.0000 ND
PENTACOSANE	N/A	N/A		3300.0000	3570.0000	3470.0000		109.0000		3640.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-211: Oil/Water Separator ST-211 Bldg.381
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-211-04-0711 Lab ID: 0352200010SA	Field ID: KAFB-211-99-0711 Lab ID: 0352200010SA	Field ID: KAFB-211-04-1216 Lab ID: 0352200011MS	Trip Blank Field ID: KAFB-TB-01-050294 Lab ID: 0352200001TB	Equipment Blank Field ID: KAFB-EB-211-05029 Lab ID: 0352200002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0034	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0056	0.0050	35.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0056	0.0050	123.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0045	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0056	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0045	0.0050	7.6900	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		96.0000 %	96.0000 %	93.0000 %	95.0000 %	97.0000 %		
1,2-DICHLOROPROPANE	0.0034	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		88.0000 %	98.0000 %	95.0000 %	99.0000 %	325.0000		
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
2-HEXANONE	0.0110	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ACETONE	0.0110	0.1000	8000.000	0.0230	0.0200	0.0041 TR	4.7000 TR	0.0000 ND		
BENZENE	0.0022	0.0050	24.1000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0022	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMOFORM	0.0056	0.0050	88.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0045	0.0100	32.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0056	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0034	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0022	N/A	2160.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROFORM	0.0022	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0067	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0045	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0022	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0058 TR	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0034	0.0050	93.3000	0.0019 TR	0.0033	0.0000 ND	0.0000 ND	0.0000 ND		
STYRENE	0.0056	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0022	0.0050	800.0000	0.0000 ND	0.0000 ND	0.0043	0.0000 ND	0.0000 ND		
TOLUENE	0.0034	0.0050	16000.00	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		104.0000 %	97.0000 %	97.0000 %	99.0000 %	98.0000 %		
TRICHLOROETHYLENE (TCE)	0.0034	0.0050	63.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0078	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0045	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0056	0.0050	160000.0	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0056	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0056	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0034	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-211: Oil/Water Separator ST-211 Bldg.381
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-211-04-0711 Lab ID: P271899	Field ID: KAFB-211-99-0711 Lab ID: P271899	Field ID: KAFB-211-04-1216 Lab ID: P271900	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-211-05029 Lab ID: P271891	Ambient Blank Field ID: Lab ID:	Lab ID: P272861
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		110.0000	110.0000	98.0000		100.0000		84.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		53.0000	51.0000	45.0000		42.0000		40.0000
2-FLUOROPHENOL	N/A	N/A		80.0000	75.0000	69.0000		56.0000		65.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-211: Oil/Water Separator ST-211 Bldg.381
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-211-04-0711 Lab ID: P271899	Field ID: KAFB-211-99-0711 Lab ID: P271899	Field ID: KAFB-211-04-1216 Lab ID: P271900	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-211-05029 Lab ID: P271891	Ambient Blank Field ID: Lab ID:	Lab ID: P272861
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		48.0000	46.0000	41.0000		36.0000		38.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		90.0000	84.0000	77.0000		47.0000		71.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		60.0000	58.0000	49.0000		51.0000		46.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-211: Oil/Water Separator ST-211 Bldg.381
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-211-04-0711 Lab ID: P271899	Field ID: KAFB-211-99-0711 Lab ID: P271899	Field ID: KAFB-211-04-1216 Lab ID: P271900	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.4000	8.5000	8.5000				
pH	N/A	N/A		8.5000						

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-211: Oil/Water Separator ST-211 Bldg.381
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-211-05-0712 Lab ID: 0352750011SA	Field ID: KAFB-211-05-1217 Lab ID: 0352750012SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		11.0000	11.0000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-211: Oil/Water Separator ST-211 Bldg.381
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-211-05-0712 Lab ID: 0352750011MS	Field ID: KAFB-211-05-1217 Lab ID: 0352750012SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-050394 Lab ID: 0352750001TB	Equipment Blank Field ID: KAFB-EB-211-05039 Lab ID: 0352750002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		78.0000 %	90.0000 %		98.0000 %	93.0000 %		
BENZENE	0.0280	N/A	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0280	N/A	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
GASOLINE COMPONENTS	0.5600	N/A		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0280	N/A	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0280	N/A	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-211: Oil/Water Separator ST-211 Bldg.381
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-211-05-0712 Lab ID: P272048	Field ID: KAFB-211-05-1217 Lab ID: P272049	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-211-05039 Lab ID: P272039	Ambient Blank Field ID: Lab ID:	Lab ID: P272776
ALUMINUM	2.0000	50.0000		6810.0000	9590.0000			0.0000 ND		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	188.0000	179.0000			0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.3300	0.5400			0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.5400			0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		62800.0000	8500.0000			57.0000		3.6000
CHROMIUM, TOTAL	1.0000	7.0000		10.2000	15.2000			0.0000 ND		1.6000
COBALT	1.0000	7.0000		4.9000	6.6000			0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		63.8000	22.6000			11.0000		0.0000 ND
IRON	0.8000	7.0000		7950.0000	14400.0000			9.0000		1.1000
LEAD	3.0000	50.0000	400.0000	21.9000	7.2000			0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		3380.0000	4450.0000			0.0000 ND		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	160.0000	244.0000			0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	7.7000	23.3000			0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		1280.0000	1910.0000			0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		159.0000	179.0000			0.0000 ND		0.0000 ND
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	20.2000	33.7000			0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	52.6000	39.7000			8.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-211: Oil/Water Separator ST-211 Bldg.381
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-211-05-0712 Lab ID: P272048	Field ID: KAFB-211-05-1217 Lab ID: P272049	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-211-05039 Lab ID: P272039	Ambient Blank Field ID: Lab ID:	Lab ID: P273670
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-211: Oil/Water Separator ST-211 Bldg.381
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-211-05-0712 Lab ID: P272048	Field ID: KAFB-211-05-1217 Lab ID: P272049	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID: P272867
DIESEL COMPONENTS	70.0000	10.0000		3700.0000	12000.0000					0.0000 ND
PENTACOSANE	N/A	N/A		3300.0000	3500.0000					3470.0000

Base: KIRTLAND AFB
Site: ST-211: Oil/Water Separator ST-211 Bldg.381
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

ANALYTCAL DATA SUMMARY

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-211-05-0712 Lab ID: 0352750011MS	Field ID: KAFB-211-05-1217 Lab ID: 0352750012SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-050394 Lab ID: 0352750001TB	Equipment Blank Field ID: KAFB-EB-211-05039 Lab ID: 0352750002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0034	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
1,1,2,2-TETRACHLOROETHANE	0.0056	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
1,1,2-TRICHLOROETHANE	0.0056	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
1,1-DICHLOROETHANE	0.0045	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
1,1-DICHLOROETHENE	0.0056	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
1,2-DICHLOROETHANE	0.0045	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
1,2-DICHLOROETHANE-D4	N/A	N/A		108.0000 %	101.0000 %		100.0000 %	102.0000 %		
1,2-DICHLOROPROPANE	0.0034	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		102.0000 %	100.0000 %		100.0000 %	100.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
2-HEXANONE	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
ACETONE	0.0110	0.1000	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
BENZENE	0.0023	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0023	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
BROMOFORM	0.0056	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
BROMOMETHANE	0.0045	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
CARBON DISULFIDE	0.0056	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
CARBON TETRACHLORIDE	0.0034	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
CHLOROBENZENE	0.0023	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
CHLOROETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
CHLOROFORM	0.0023	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
CHLOROMETHANE	0.0068	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
DIBROMOCHLOROMETHANE	0.0045	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
ETHYLBENZENE	0.0023	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
METHYLENE CHLORIDE	0.0034	0.0050	93.3000	0.0000 ND	0.0100		0.0000 ND	0.0000		
STYRENE	0.0056	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
TETRACHLOROETHYLENE(PCE)	0.0023	0.0050	800.0000	0.0045	0.0000 ND		0.0000 ND	0.0000		
TOLUENE	0.0034	0.0050	16000.00	0.0000 ND	0.0029 TR		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		84.0000 %	102.0000 %		101.0000 %	96.0000 %		
TRICHLOROETHYLENE (TCE)	0.0034	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
VINYL ACETATE	0.0079	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
VINYL CHLORIDE	0.0045	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
XYLENES, TOTAL	0.0056	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0056	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
trans-1,2-DICHLOROETHENE	0.0056	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
trans-1,3-DICHLOROPROPENE	0.0034	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000		

Base: KIRTLAND AFB
Site: ST-211: Oil/Water Separator ST-211 Bldg.381
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

ANALYTCAL DATA SUMMARY

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-211-05-0712 Lab ID: P272048	Field ID: KAFB-211-05-1217 Lab ID: P272049	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID: P272863
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND					0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND					0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		110.0000	110.0000					110.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND					0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND					0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND					0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND					0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND					0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		50.0000	47.0000					51.0000
2-FLUOROPHENOL	N/A	N/A		73.0000	70.0000					75.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND					0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND					0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND					0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND					0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND					0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND					0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND					0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND					0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND					0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND					0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND					0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND					0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND					0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND					0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND					0.0000 ND
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND					0.0000
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND					0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
										0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-211: Oil/Water Separator ST-211 Bldg.381
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-211-05-0712 Lab ID: P272048	Field ID: KAFB-211-05-1217 Lab ID: P272049	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID: P272863
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND					0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	300.0000	350.0000					0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND					0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND					0.0000 ND
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND					0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND					0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
NITROBENZENE-D5	N/A	0.7000		46.0000	45.0000					48.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND					0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	0.0000 ND					0.0000 ND
PHENOL-D5	N/A	N/A		81.0000	76.0000					84.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND					0.0000 ND
TERPHENYL-D14	N/A	N/A		56.0000	51.0000					59.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND	0.0000 ND					0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND					0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-211: Oil/Water Separator ST-211 Bldg.381
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-211-05-0712 Lab ID: P272048	Field ID: KAFB-211-05-1217 Lab ID: P272049	Field ID: Lab ID: P272049	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.6000	8.6000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-212: Oil/Water Separator ST-212 Bldg.381
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-212-01-0810 Lab ID: 0347900016SA	Field ID: KAFB-212-01-1316 Lab ID: 0347900017SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		12.0000	12.0000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-212: Oil/Water Separator ST-212 Bldg.381
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: *Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-212-01-0810 Lab ID: P269624	Field ID: KAFB-212-01-1316 Lab ID: P269625	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-201-04139 Lab ID: P269619	Ambient Blank Field ID: Lab ID:	Lab ID: P270600
ALUMINUM	2.0000	50.0000		10900.0000	4530.0000			0.0000 ND		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	190.0000	50.5000			0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.5600	0.3100			0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	1.0000	0.0000 ND			0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		44300.0000	7070.0000			113.0000		0.0000 ND
CHROMIUM, TOTAL	1.0000	7.0000		11.4000	6.6000			0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		7.9000	6.5000			0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		24.1000	74.4000			4.0000		0.0000 ND
IRON	0.8000	7.0000		14700.0000	9800.0000			16.0000		0.0000 ND
LEAD	3.0000	50.0000	400.0000	6.7000	4.0000			0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		5030.0000	2840.0000			0.0000 ND		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	393.0000	226.0000			0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	9.5000	40.2000			0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		2050.0000	1280.0000			0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		133.0000	74.9000			104.0000		0.0000 ND
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	40.1000	21.1000			0.0000 ND		0.5000
ZINC	0.7000	2.0000	24000.00	41.5000	49.5000			10.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-212: Oil/Water Separator ST-212 Bldg.381
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-212-01-0810 Lab ID: P269624	Field ID: KAFB-212-01-1316 Lab ID: P269625	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-201-04139 Lab ID: P269619	Ambient Blank Field ID: Lab ID:	Lab ID: P272658
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-212: Oil/Water Separator ST-212 Bldg.381
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-212-01-0810 Lab ID:	Field ID: KAFB-212-01-1316 Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-201-04139 Lab ID: P269619	Ambient Blank Field ID: Lab ID:	Lab ID:
GASOLINE COMPONENTS	100.0000	1.0000		160.0000	170.0000			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-212: Oil/Water Separator ST-212 Bldg.381
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-212-01-0810 Lab ID: P269624	Field ID: KAFB-212-01-1316 Lab ID: P269625	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-201-04139 Lab ID: P269619	Ambient Blank Field ID: Lab ID:	Lab ID: P270583
DIESEL COMPONENTS	70.0000	10.0000		1200.0000	740.0000			350.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-212: Oil/Water Separator ST-212 Bldg.381
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-212-01-0810 Lab ID: 0347900016SA	Field ID: KAFB-212-01-1316 Lab ID: 0347900017SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-041394 Lab ID: 0347900010TB	Equipment Blank Field ID: KAFB-EB-201-04139 Lab ID: 0347900011EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0003	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0009	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0005	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0004	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0006	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0004	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		98.0000 %	108.0000 %		93.0000 %	96.0000 %		
1,2-DICHLOROPROPANE	0.0003	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		98.0000 %	99.0000 %		96.0000 %	100.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0054	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0012	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ACETONE	0.0039	0.1000	8000.000	0.0046 TR	0.0240		0.0000 ND	0.0000 ND		
BENZENE	0.0002	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0002	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0006	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0004	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0008	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0003	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0002	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0010	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0002	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0006	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0004	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0002	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0022	0.1000	48000.00	0.0000 ND	0.0030 TR		0.0000 ND	1.3000 TR		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0012	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0003	0.0050	93.3000	0.0014 TR	0.0019 TR		0.0000 ND	0.0000 ND		
STYRENE	0.0002	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0002	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0003	0.0050	16000.00	0.0053	0.0017 TR		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		99.0000 %	102.0000 %		100.0000 %	100.0000 %		
TRICHLOROETHYLENE (TCE)	0.0003	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0007	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0004	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0007	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0007	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0009	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0003	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-212: Oil/Water Separator ST-212 Bldg.381
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-212-01-0810 Lab ID: P269624	Field ID: KAFB-212-01-1316 Lab ID: P269625	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-201-04139 Lab ID: P269619	Ambient Blank Field ID: Lab ID:	Lab ID: P270540
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		77.0000	69.0000			92.0000		84.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		42.0000	40.0000			45.0000		43.0000
2-FLUOROPHENOL	N/A	N/A		68.0000	69.0000			56.0000		75.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	240.0000	220.0000			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-212: Oil/Water Separator ST-212 Bldg.381
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-212-01-0810 Lab ID: P269624	Field ID: KAFB-212-01-1316 Lab ID: P269625	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-201-04139 Lab ID: P269619	Ambient Blank Field ID: Lab ID:	Lab ID: P270540
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		41.0000	42.0000			45.0000		40.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		76.0000	79.0000			41.0000		82.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		50.0000	51.0000			55.0000		52.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	100.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-212: Oil/Water Separator ST-212 Bldg.381
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-212-01-0810 Lab ID: P269624	Field ID: KAFB-212-01-1316 Lab ID: P269625	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.2000	8.4000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-212: Oil/Water Separator ST-212 Bldg.381
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-212-02-0812 Lab ID: 0347900018SA	Field ID: KAFB-212-99-0812 Lab ID: 0347900018SA	Field ID: KAFB-212-02-1315 Lab ID: 0347900020SA	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		8.7000	13.0000	3.2000				

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-212: Oil/Water Separator ST-212 Bldg.381
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-212-02-0812 Lab ID: P269626	Field ID: KAFB-212-99-0812 Lab ID: P269626	Field ID: KAFB-212-02-1315 Lab ID: P269628	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-201-04139 Lab ID: P269619	Ambient Blank Field ID: Lab ID:	Lab ID: P270600
ALUMINUM	2.0000	50.0000		6920.0000	13400.0000	7380.0000		0.0000 ND		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	83.2000	1290.0000	54.5000		0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.4400	0.6800	0.4300		0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		4690.0000	17000.0000	8360.0000		113.0000		0.0000 ND
CHROMIUM, TOTAL	1.0000	7.0000		8.0000	14.1000	12.2000		0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		5.5000	7.4000	7.8000		0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		9.0000	27.0000	19.5000		4.0000		0.0000 ND
IRON	0.8000	7.0000		12400.0000	17600.0000	14600.0000		16.0000		0.0000 ND
LEAD	3.0000	50.0000	400.0000	6.1000	8.4000	6.1000		0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		3310.0000	5380.0000	3950.0000		0.0000 ND		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	197.0000	209.0000	384.0000		0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	8.1000	10.6000	7.9000		0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		1520.0000	2680.0000	2030.0000		0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		120.0000	213.0000	123.0000		104.0000		0.0000 ND
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	34.7000	47.4000	34.3000		0.0000 ND		0.5000
ZINC	0.7000	2.0000	24000.00	27.8000	46.4000	39.4000		10.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-212: Oil/Water Separator ST-212 Bldg.381
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-212-02-0812 Lab ID: P269626	Field ID: KAFB-212-99-0812 Lab ID: P269626	Field ID: KAFB-212-02-1315 Lab ID: P269628	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-201-04139 Lab ID: P269619	Ambient Blank Field ID: Lab ID:	Lab ID: P272658
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-212: Oil/Water Separator ST-212 Bldg.381
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-212-02-0812 Lab ID:	Field ID: KAFB-212-99-0812 Lab ID:	Field ID: KAFB-212-02-1315 Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-201-04139 Lab ID: P269619	Ambient Blank Field ID: Lab ID:	Lab ID:
GASOLINE COMPONENTS	100.0000	1.0000		0.0000 ND	240.0000	130.0000		0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-212: Oil/Water Separator ST-212 Bldg.381
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-212-02-0812 Lab ID: P269626	Field ID: KAFB-212-99-0812 Lab ID: P269626	Field ID: KAFB-212-02-1315 Lab ID: P269628	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-201-04139 Lab ID: P269619	Ambient Blank Field ID: Lab ID:	Lab ID: P270583
DIESEL COMPONENTS	70.0000	10.0000		760.0000	1000.0000	1200.0000		350.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-212: Oil/Water Separator ST-212 Bldg.381
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-212-02-0812 Lab ID: 0347900018SA	Field ID: KAFB-212-99-0812 Lab ID: 0347900018SA	Field ID: KAFB-212-02-1315 Lab ID: 0347900020SA	Trip Blank Field ID: KAFB-TB-01-041394 Lab ID: 0347900010TB	Equipment Blank Field ID: KAFB-EB-201-04139 Lab ID: 0347900011EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0003	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0009	0.0050	35.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0005	0.0050	123.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0004	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0006	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0004	0.0050	7.6900	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		100.0000 %	100.0000 %	104.0000 %	93.0000 %	96.0000 %		
1,2-DICHLOROPROPANE	0.0003	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		98.0000 %	100.0000 %	93.0000 %	96.0000 %	100.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0054	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
2-HEXANONE	0.0012	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ACETONE	0.0039	0.1000	8000.000	0.0043 TR	0.0091 TR	0.0045 TR	0.0000 ND	0.0000 ND		
BENZENE	0.0002	0.0050	24.1000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0002	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMOFORM	0.0006	0.0050	88.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0004	0.0100	32.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0008	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0003	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0002	N/A	2160.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0010	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROFORM	0.0002	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0006	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0004	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0002	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0022	0.1000	48000.00	0.0000 ND	0.0025 TR	0.0000 ND	0.0000 ND	1.3000 TR		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0012	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0003	0.0050	93.3000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
STYRENE	0.0002	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0002	0.0050	800.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TOLUENE	0.0003	0.0050	16000.00	0.0000 ND	0.0000 ND	0.0024 TR	0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		99.0000 %	101.0000 %	100.0000 %	100.0000 %	100.0000 %		
TRICHLOROETHYLENE (TCE)	0.0003	0.0050	63.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0007	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0004	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0007	0.0050	160000.0	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0007	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0009	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0003	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-212: Oil/Water Separator ST-212 Bldg.381
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-212-02-0812 Lab ID: P269626	Field ID: KAFB-212-99-0812 Lab ID: P269626	Field ID: KAFB-212-02-1315 Lab ID: P269628	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-201-04139 Lab ID: P269619	Ambient Blank Field ID: Lab ID:	Lab ID: P270540
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		76.0000	70.0000	73.0000		92.0000		84.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		40.0000	38.0000	40.0000		45.0000		43.0000
2-FLUOROPHENOL	N/A	N/A		69.0000	71.0000	69.0000		56.0000		75.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	250.0000	230.0000		0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

Base: KIRTLAND AFB
Site: ST-212: Oil/Water Separator ST-212 Bldg.381
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

ANALYTCAL DATA SUMMARY

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-212-02-0812 Lab ID: P269626	Field ID: KAFB-212-99-0812 Lab ID: P269626	Field ID: KAFB-212-02-1315 Lab ID: P269628	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-201-04139 Lab ID: P269619	Ambient Blank Field ID: Lab ID:	Lab ID: P270540
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		41.0000	40.0000	42.0000		45.0000		40.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		77.0000	81.0000	78.0000		41.0000		82.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		49.0000	52.0000	50.0000		55.0000		52.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	100.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-212: Oil/Water Separator ST-212 Bldg.381
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-212-02-0812 Lab ID: P269626	Field ID: KAFB-212-99-0812 Lab ID: P269626	Field ID: KAFB-212-02-1315 Lab ID: P269628	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.0000	8.0000	8.2000				

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-213: Area Drain ST-213 Bldg 381
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-213-01-0408 Lab ID: 0352750003SA	Field ID: KAFB-213-01-1115 Lab ID: 0352750004SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		13.0000	6.1000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-213: Area Drain ST-213 Bldg 381
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-213-01-0408 Lab ID: 0352750003SA	Field ID: KAFB-213-01-1115 Lab ID: 0352750004SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-050394 Lab ID: 0352750001TB	Equipment Blank Field ID: KAFB-EB-211-05039 Lab ID: 0352750002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		82.0000 %	84.0000 %		98.0000 %	93.0000 %		
BENZENE	0.0290	N/A	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0290	N/A	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
GASOLINE COMPONENTS	0.5800	N/A		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0290	N/A	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0290	N/A	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-213: Area Drain ST-213 Bldg 381
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-213-01-0408 Lab ID: P272040	Field ID: KAFB-213-01-1115 Lab ID: P272041	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-211-05039 Lab ID: P272039	Ambient Blank Field ID: Lab ID:	Lab ID: P272776
ALUMINUM	2.0000	50.0000		7890.0000	10600.0000			0.0000 ND		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	171.0000	49.4000			0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.3700	0.6900			0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		112000.0000	11200.0000			57.0000		3.6000
CHROMIUM, TOTAL	1.0000	7.0000		7.4000	11.9000			0.0000 ND		1.6000
COBALT	1.0000	7.0000		5.1000	7.5000			0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		19.8000	10.7000			11.0000		0.0000 ND
IRON	0.8000	7.0000		8650.0000	13800.0000			9.0000		1.1000
LEAD	3.0000	50.0000	400.0000	7.1000	7.8000			0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		5070.0000	5230.0000			0.0000 ND		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	112.0000	325.0000			0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	7.4000	9.7000			0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		1360.0000	1880.0000			0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		136.0000	476.0000			0.0000 ND		0.0000 ND
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	23.9000	34.6000			0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	27.6000	37.3000			8.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-213: Area Drain ST-213 Bldg 381
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-213-01-0408 Lab ID: P272040	Field ID: KAFB-213-01-1115 Lab ID: P272041	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-211-05039 Lab ID: P272039	Ambient Blank Field ID: Lab ID:	Lab ID: P273668
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-213: Area Drain ST-213 Bldg 381
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-213-01-0408 Lab ID: P272040	Field ID: KAFB-213-01-1115 Lab ID: P272041	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID: P272865
DIESEL COMPONENTS	70.0000	10.0000		3900.0000	3600.0000					0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-213: Area Drain ST-213 Bldg 381
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-213-01-0408 Lab ID: 0352750003SA	Field ID: KAFB-213-01-1115 Lab ID: 0352750004SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-050394 Lab ID: 0352750001TB	Equipment Blank Field ID: KAFB-EB-211-05039 Lab ID: 0352750002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0035	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
1,1,2,2-TETRACHLOROETHANE	0.0058	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
1,1,2-TRICHLOROETHANE	0.0058	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
1,1-DICHLOROETHANE	0.0046	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
1,1-DICHLOROETHENE	0.0058	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
1,2-DICHLOROETHANE	0.0046	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
1,2-DICHLOROETHANE-D4	N/A	N/A		102.0000 %	100.0000 %		100.0000 %	102.0000 %		
1,2-DICHLOROPROPANE	0.0035	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		97.0000 %	104.0000 %		100.0000 %	100.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0120	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
2-HEXANONE	0.0120	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
ACETONE	0.0120	0.1000	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
BENZENE	0.0023	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0023	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
BROMOFORM	0.0058	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
BROMOMETHANE	0.0046	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
CARBON DISULFIDE	0.0058	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
CARBON TETRACHLORIDE	0.0035	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
CHLOROBENZENE	0.0023	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
CHLOROETHANE	0.0120	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
CHLOROFORM	0.0023	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
CHLOROMETHANE	0.0069	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
DIBROMOCHLOROMETHANE	0.0046	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
ETHYLBENZENE	0.0023	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0120	0.1000	48000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0120	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
METHYLENE CHLORIDE	0.0035	0.0050	93.3000	0.0060	0.0000 ND		0.0000 ND	0.0000		
STYRENE	0.0058	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
TETRACHLOROETHYLENE(PCE)	0.0023	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
TOLUENE	0.0035	0.0050	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		100.0000 %	83.0000 %		101.0000 %	96.0000 %		
TRICHLOROETHYLENE (TCE)	0.0035	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
VINYL ACETATE	0.0081	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
VINYL CHLORIDE	0.0046	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
XYLENES, TOTAL	0.0058	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0058	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
trans-1,2-DICHLOROETHENE	0.0058	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
trans-1,3-DICHLOROPROPENE	0.0035	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-213: Area Drain ST-213 Bldg 381
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-213-01-0408 Lab ID: P272040	Field ID: KAFB-213-01-1115 Lab ID: P272041	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID: P272861
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND					0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND					0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		95.0000	92.0000					84.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND					0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND					0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND					0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND					0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND					0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		43.0000	54.0000					40.0000
2-FLUOROPHENOL	N/A	N/A		66.0000	79.0000					65.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND					0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND					0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND					0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND					0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND					0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND					0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND					0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND					0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND					0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND					0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND					0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND					0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND					0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND					0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND					0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND					0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND					0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND					0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	230.0000	330.0000					0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-213: Area Drain ST-213 Bldg 381
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-213-01-0408 Lab ID: P272040	Field ID: KAFB-213-01-1115 Lab ID: P272041	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID: P272861
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND					0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND					0.0000 ND
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND					0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND					0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
NITROBENZENE-D5	N/A	0.7000		41.0000	50.0000					38.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND					0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	0.0000 ND					0.0000 ND
PHENOL-D5	N/A	N/A		72.0000	84.0000					71.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND					0.0000 ND
TERPHENYL-D14	N/A	N/A		49.0000	61.0000					46.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND	0.0000 ND					0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND					0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-213: Area Drain ST-213 Bldg 381
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-213-01-0408 Lab ID: P272040	Field ID: KAFB-213-01-1115 Lab ID: P272041	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.6000	8.8000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-213: Area Drain ST-213 Bldg 381
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-213-02-0408 Lab ID: 0352750005SA	Field ID: KAFB-213-02-1115 Lab ID: 0352750006SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		7.5000	7.4000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-213: Area Drain ST-213 Bldg 381
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-213-02-0408 Lab ID: 0352750005SA	Field ID: KAFB-213-02-1115 Lab ID: 0352750006SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-050394 Lab ID: 0352750001TB	Equipment Blank Field ID: KAFB-EB-211-05039 Lab ID: 0352750002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		89.0000 %	78.0000 %		98.0000 %	93.0000 %		
BENZENE	0.0270	N/A	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0270	N/A	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
GASOLINE COMPONENTS	0.5400	N/A		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0270	N/A	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0270	N/A	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-213: Area Drain ST-213 Bldg 381
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: *Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-213-02-0408 Lab ID: P272042	Field ID: KAFB-213-02-1115 Lab ID: P272043	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-211-05039 Lab ID: P272039	Ambient Blank Field ID: Lab ID:	Lab ID: P272776
ALUMINUM	2.0000	50.0000		5630.0000	4420.0000			0.0000 ND		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	174.0000	95.7000			0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.3300	0.2100			0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		62800.0000	31900.0000			57.0000		3.6000
CHROMIUM, TOTAL	1.0000	7.0000		5.7000	5.1000			0.0000 ND		1.6000
COBALT	1.0000	7.0000		3.5000	2.8000			0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		6.6000	43.9000			11.0000		0.0000 ND
IRON	0.8000	7.0000		6590.0000	5810.0000			9.0000		1.1000
LEAD	3.0000	50.0000	400.0000	5.3000	3.9000			0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		2640.0000	2210.0000			0.0000 ND		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	81.3000	90.4000			0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	5.6000	4.3000			0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		1040.0000	860.0000			0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		78.3000	98.5000			0.0000 ND		0.0000 ND
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	15.3000	15.1000			0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	16.4000	34.6000			8.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-213: Area Drain ST-213 Bldg 381
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-213-02-0408 Lab ID: P272042	Field ID: KAFB-213-02-1115 Lab ID: P272043	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-211-05039 Lab ID: P272039	Ambient Blank Field ID: Lab ID:	Lab ID: P273670
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-213: Area Drain ST-213 Bldg 381
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-213-02-0408 Lab ID: P272042	Field ID: KAFB-213-02-1115 Lab ID: P272043	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID: P272865
DIESEL COMPONENTS	70.0000	10.0000		1800.0000	1700.0000					0.0000 ND

Base: KIRTLAND AFB
Site: ST-213: Area Drain ST-213 Bldg 381
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

ANALYTCAL DATA SUMMARY

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-213-02-0408 Lab ID: 0352750005SA	Field ID: KAFB-213-02-1115 Lab ID: 0352750006SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-050394 Lab ID: 0352750001TB	Equipment Blank Field ID: KAFB-EB-211-05039 Lab ID: 0352750002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0032	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
1,1,2,2-TETRACHLOROETHANE	0.0054	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
1,1,2-TRICHLOROETHANE	0.0054	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
1,1-DICHLOROETHANE	0.0043	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
1,1-DICHLOROETHENE	0.0054	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
1,2-DICHLOROETHANE	0.0043	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
1,2-DICHLOROETHANE-D4	N/A	N/A		93.0000 %	111.0000 %		100.0000 %	102.0000 %		
1,2-DICHLOROPROPANE	0.0032	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		100.0000 %	104.0000 %		100.0000 %	100.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
2-HEXANONE	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
ACETONE	0.0110	0.1000	8000.000	0.0140	0.0000 ND		0.0000 ND	0.0000		
BENZENE	0.0022	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0022	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
BROMOFORM	0.0054	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
BROMOMETHANE	0.0043	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
CARBON DISULFIDE	0.0054	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
CARBON TETRACHLORIDE	0.0032	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
CHLOROBENZENE	0.0022	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
CHLOROETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
CHLOROFORM	0.0022	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
CHLOROMETHANE	0.0065	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
DIBROMOCHLOROMETHANE	0.0043	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
ETHYLBENZENE	0.0022	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
METHYLENE CHLORIDE	0.0032	0.0050	93.3000	0.0043	0.0000 ND		0.0000 ND	0.0000		
STYRENE	0.0054	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
TETRACHLOROETHYLENE(PCE)	0.0022	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
TOLUENE	0.0032	0.0050	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		98.0000 %	102.0000 %		101.0000 %	96.0000 %		
TRICHLOROETHYLENE (TCE)	0.0032	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
VINYL ACETATE	0.0076	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
VINYL CHLORIDE	0.0043	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
XYLENES, TOTAL	0.0054	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0054	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
trans-1,2-DICHLOROETHENE	0.0054	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
trans-1,3-DICHLOROPROPENE	0.0032	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-213: Area Drain ST-213 Bldg 381
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-213-02-0408 Lab ID: P272042	Field ID: KAFB-213-02-1115 Lab ID: P272043	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID: P272861
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND					0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND					0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		100.0000	100.0000					84.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND					0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND					0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND					0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND					0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND					0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		46.0000	47.0000					40.0000
2-FLUOROPHENOL	N/A	N/A		70.0000	71.0000					65.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND					0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND					0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND					0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND					0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND					0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND					0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND					0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND					0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND					0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND					0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND					0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND					0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND					0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND					0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND					0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND					0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND					0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND					0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	360.0000	300.0000					0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND

Base: KIRTLAND AFB
Site: ST-213: Area Drain ST-213 Bldg 381
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

ANALYTCAL DATA SUMMARY

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-213-02-0408 Lab ID: P272042	Field ID: KAFB-213-02-1115 Lab ID: P272043	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID: P272861
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND					0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND					0.0000 ND
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND					0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND					0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
NITROBENZENE-D5	N/A	0.7000		44.0000	45.0000					38.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND					0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	150.0000					0.0000 ND
PHENOL-D5	N/A	N/A		75.0000	79.0000					71.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND					0.0000 ND
TERPHENYL-D14	N/A	N/A		52.0000	54.0000					46.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND	0.0000 ND					0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND					0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-213: Area Drain ST-213 Bldg 381
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-213-02-0408 Lab ID: P272042	Field ID: KAFB-213-02-1115 Lab ID: P272043	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.5000	8.9000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-213: Area Drain ST-213 Bldg 381
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-213-03-0408 Lab ID: 0352750007SA	Field ID: KAFB-213-03-1115 Lab ID: 0352750008SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		7.1000	7.5000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-213: Area Drain ST-213 Bldg 381
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-213-03-0408 Lab ID: 0352750007SA	Field ID: KAFB-213-03-1115 Lab ID: 0352750008SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-050394 Lab ID: 0352750001TB	Equipment Blank Field ID: KAFB-EB-211-05039 Lab ID: 0352750002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		87.0000 %	86.0000 %		98.0000 %	93.0000 %		
BENZENE	0.0270	N/A	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0270	N/A	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
GASOLINE COMPONENTS	0.5400	N/A		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0270	N/A	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0270	N/A	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-213: Area Drain ST-213 Bldg 381
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-213-03-0408 Lab ID: P272044	Field ID: KAFB-213-03-1115 Lab ID: P272045	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-211-05039 Lab ID: P272039	Ambient Blank Field ID: Lab ID:	Lab ID: P272776
ALUMINUM	2.0000	50.0000		4470.0000	7110.0000			0.0000 ND		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	96.7000	172.0000			0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.2100	0.4300			0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		28700.0000	10200.0000			57.0000		3.6000
CHROMIUM, TOTAL	1.0000	7.0000		5.5000	8.9000			0.0000 ND		1.6000
COBALT	1.0000	7.0000		2.8000	7.1000			0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		44.3000	20.9000			11.0000		0.0000 ND
IRON	0.8000	7.0000		5870.0000	12500.0000			9.0000		1.1000
LEAD	3.0000	50.0000	400.0000	4.0000	6.0000			0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		2220.0000	4210.0000			0.0000 ND		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	91.5000	271.0000			0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	0.0000 ND	7.9000			0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		863.0000	1770.0000			0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		99.6000	87.3000			0.0000 ND		0.0000 ND
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	15.0000	27.7000			0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	34.5000	39.2000			8.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-213: Area Drain ST-213 Bldg 381
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-213-03-0408 Lab ID: P272044	Field ID: KAFB-213-03-1115 Lab ID: P272045	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-211-05039 Lab ID: P272039	Ambient Blank Field ID: Lab ID:	Lab ID: P273670
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-213: Area Drain ST-213 Bldg 381
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-213-03-0408 Lab ID: P272044	Field ID: KAFB-213-03-1115 Lab ID: P272045	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID: P272865
DIESEL COMPONENTS	70.0000	10.0000		1000.0000	1800.0000					0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-213: Area Drain ST-213 Bldg 381
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-213-03-0408 Lab ID: 0352750007SA	Field ID: KAFB-213-03-1115 Lab ID: 0352750008RA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-050394 Lab ID: 0352750001TB	Equipment Blank Field ID: KAFB-EB-211-05039 Lab ID: 0352750002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0032	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
1,1,2,2-TETRACHLOROETHANE	0.0054	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
1,1,2-TRICHLOROETHANE	0.0054	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
1,1-DICHLOROETHANE	0.0043	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
1,1-DICHLOROETHENE	0.0054	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
1,2-DICHLOROETHANE	0.0043	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
1,2-DICHLOROETHANE-D4	N/A	N/A		113.0000 %	105.0000 %		100.0000 %	102.0000 %		
1,2-DICHLOROPROPANE	0.0032	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		103.0000 %	99.0000 %		100.0000 %	100.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
2-HEXANONE	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
ACETONE	0.0110	0.1000	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
BENZENE	0.0022	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0022	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
BROMOFORM	0.0054	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
BROMOMETHANE	0.0043	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
CARBON DISULFIDE	0.0054	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
CARBON TETRACHLORIDE	0.0032	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
CHLOROBENZENE	0.0022	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
CHLOROETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
CHLOROFORM	0.0022	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
CHLOROMETHANE	0.0065	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
DIBROMOCHLOROMETHANE	0.0043	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
ETHYLBENZENE	0.0022	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0018 TR	0.0000 ND		0.0000 ND	0.0000		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
METHYLENE CHLORIDE	0.0032	0.0050	93.3000	0.0000 ND	0.0059 TR		0.0000 ND	0.0000		
STYRENE	0.0054	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
TETRACHLOROETHYLENE(PCE)	0.0022	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
TOLUENE	0.0032	0.0050	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		103.0000 %	96.0000 %		101.0000 %	96.0000 %		
TRICHLOROETHYLENE (TCE)	0.0032	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
VINYL ACETATE	0.0075	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
VINYL CHLORIDE	0.0043	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
XYLENES, TOTAL	0.0054	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0054	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
trans-1,2-DICHLOROETHENE	0.0054	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
trans-1,3-DICHLOROPROPENE	0.0032	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-213: Area Drain ST-213 Bldg 381
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-213-03-0408 Lab ID: P272044	Field ID: KAFB-213-03-1115 Lab ID: P272045	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID: P272861
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND					0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND					0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		100.0000	89.0000					84.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND					0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND					0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND					0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND					0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND					0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		48.0000	46.0000					40.0000
2-FLUOROPHENOL	N/A	N/A		68.0000	68.0000					65.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND					0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND					0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND					0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND					0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND					0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND					0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND					0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND					0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND					0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND					0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND					0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND					0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND					0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND					0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND					0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND					0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND					0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND					0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	320.0000					0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-213: Area Drain ST-213 Bldg 381
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-213-03-0408 Lab ID: P272044	Field ID: KAFB-213-03-1115 Lab ID: P272045	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID: P272861
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND					0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND					0.0000 ND
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND					0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND					0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
NITROBENZENE-D5	N/A	0.7000		44.0000	43.0000					38.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND					0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	0.0000 ND					0.0000 ND
PHENOL-D5	N/A	N/A		77.0000	75.0000					71.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND					0.0000 ND
TERPHENYL-D14	N/A	N/A		54.0000	50.0000					46.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND	0.0000 ND					0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND					0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-213: Area Drain ST-213 Bldg 381
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-213-03-0408 Lab ID: P272044	Field ID: KAFB-213-03-1115 Lab ID: P272045	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.5000	8.6000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-213: Area Drain ST-213 Bldg 381
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-213-04-0408 Lab ID: 0352750009SA	Field ID: KAFB-213-04-1115 Lab ID: 0352750010SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		11.0000	10.0000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-213: Area Drain ST-213 Bldg 381
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-213-04-0408 Lab ID: 0352750009SA	Field ID: KAFB-213-04-1115 Lab ID: 0352750010SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-050394 Lab ID: 0352750001TB	Equipment Blank Field ID: KAFB-EB-211-05039 Lab ID: 0352750002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		90.0000 %	87.0000 %		98.0000 %	93.0000 %		
BENZENE	0.0280	N/A	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0280	N/A	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
GASOLINE COMPONENTS	0.5600	N/A		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0280	N/A	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0280	N/A	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-213: Area Drain ST-213 Bldg 381
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: *Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-213-04-0408 Lab ID: P272046	Field ID: KAFB-213-04-1115 Lab ID: P272047	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-211-05039 Lab ID: P272039	Ambient Blank Field ID: Lab ID:	Lab ID: P272838
ALUMINUM	2.0000	50.0000		4410.0000	7650.0000			0.0000 ND		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	134.0000	545.0000			0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.2300	0.4400			0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		132000.0000	18700.0000			57.0000		0.0000 ND
CHROMIUM, TOTAL	1.0000	7.0000		4.0000	6.4000			0.0000 ND		1.5000
COBALT	1.0000	7.0000		2.6000	5.8000			0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		21.1000	25.6000			11.0000		0.0000 ND
IRON	0.8000	7.0000		5070.0000	13600.0000			9.0000		0.0000 ND
LEAD	3.0000	50.0000	400.0000	0.0000 ND	5.9000			0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		2930.0000	4740.0000			0.0000 ND		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	59.7000	344.0000			0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	4.5000	13.5000			0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		690.0000	1930.0000			0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		104.0000	263.0000			0.0000 ND		0.0000 ND
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	14.9000	32.2000			0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	18.9000	44.9000			8.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-213: Area Drain ST-213 Bldg 381
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-213-04-0408 Lab ID: P272046	Field ID: KAFB-213-04-1115 Lab ID: P272047	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-211-05039 Lab ID: P272039	Ambient Blank Field ID: Lab ID:	Lab ID: P273670
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-213: Area Drain ST-213 Bldg 381
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-213-04-0408 Lab ID: P272046	Field ID: KAFB-213-04-1115 Lab ID: P272047	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID: P272865
DIESEL COMPONENTS	70.0000	10.0000		1300.0000	1100.0000					0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-213: Area Drain ST-213 Bldg 381
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-213-04-0408 Lab ID: 0352750009SA	Field ID: KAFB-213-04-1115 Lab ID: 0352750010SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-050394 Lab ID: 0352750001TB	Equipment Blank Field ID: KAFB-EB-211-05039 Lab ID: 0352750002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0034	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
1,1,2,2-TETRACHLOROETHANE	0.0056	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
1,1,2-TRICHLOROETHANE	0.0056	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
1,1-DICHLOROETHANE	0.0045	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
1,1-DICHLOROETHENE	0.0056	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
1,2-DICHLOROETHANE	0.0045	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
1,2-DICHLOROETHANE-D4	N/A	N/A		103.0000 %	106.0000 %		100.0000 %	102.0000 %		
1,2-DICHLOROPROPANE	0.0034	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		102.0000 %	101.0000 %		100.0000 %	100.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
2-HEXANONE	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
ACETONE	0.0110	0.1000	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
BENZENE	0.0022	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0022	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
BROMOFORM	0.0056	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
BROMOMETHANE	0.0045	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
CARBON DISULFIDE	0.0056	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
CARBON TETRACHLORIDE	0.0034	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
CHLOROBENZENE	0.0022	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
CHLOROETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
CHLOROFORM	0.0022	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
CHLOROMETHANE	0.0067	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
DIBROMOCHLOROMETHANE	0.0045	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
ETHYLBENZENE	0.0022	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
METHYLENE CHLORIDE	0.0034	0.0050	93.3000	0.0055	0.0051		0.0000 ND	0.0000		
STYRENE	0.0056	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
TETRACHLOROETHYLENE(PCE)	0.0022	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
TOLUENE	0.0034	0.0050	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		99.0000 %	100.0000 %		101.0000 %	96.0000 %		
TRICHLOROETHYLENE (TCE)	0.0034	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
VINYL ACETATE	0.0079	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
VINYL CHLORIDE	0.0045	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
XYLENES, TOTAL	0.0056	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0056	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
trans-1,2-DICHLOROETHENE	0.0056	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000		
trans-1,3-DICHLOROPROPENE	0.0034	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000		

Base: KIRTLAND AFB
Site: ST-213: Area Drain ST-213 Bldg 381
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

ANALYTCAL DATA SUMMARY

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-213-04-0408 Lab ID: P272046	Field ID: KAFB-213-04-1115 Lab ID: P272047	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID: P272861
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND					0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND					0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		99.0000	85.0000					84.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND					0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND					0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND					0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND					0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND					0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		45.0000	42.0000					40.0000
2-FLUOROPHENOL	N/A	N/A		68.0000	63.0000					65.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND					0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND					0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND					0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND					0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND					0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND					0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND					0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND					0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND					0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND					0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND					0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND					0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND					0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND					0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND					0.0000 ND
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND					0.0000
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND					0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND					0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	320.0000	0.0000 ND					0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-213: Area Drain ST-213 Bldg 381
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-213-04-0408 Lab ID: P272046	Field ID: KAFB-213-04-1115 Lab ID: P272047	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID: P272861
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND					0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND					0.0000 ND
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND					0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND					0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
NITROBENZENE-D5	N/A	0.7000		43.0000	39.0000					38.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND					0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
PHENOL	130.0000	0.3000	48000.00	250.0000	0.0000 ND					0.0000 ND
PHENOL-D5	N/A	N/A		75.0000	69.0000					71.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND					0.0000 ND
TERPHENYL-D14	N/A	N/A		51.0000	46.0000					46.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND					0.0000
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-213: Area Drain ST-213 Bldg 381
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-213-04-0408 Lab ID: P272046	Field ID: KAFB-213-04-1115 Lab ID: P272047	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.5000	8.9000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-214: Waste Oil Storage Tank Bldg.471
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-214-01-1014 Lab ID: 1054370001DU	Field ID: Lab ID: 1054370001DU	Field ID: KAFB-214-01-2022 Lab ID: 1054370002SA	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		2.6000		22.3000				

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-214: Waste Oil Storage Tank Bldg.471
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: *Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-214-01-1014 Lab ID: P270947	Field ID: KAFB-214-01-2022 Lab ID: P270948	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-214-04269 Lab ID: P270946	Ambient Blank Field ID: Lab ID:	Lab ID: P272508
ALUMINUM	2.0000	50.0000		9090.0000	12000.0000			77.0000		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	71.4000	135.0000			0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.5200	0.5600			0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.7300	0.0000 ND			0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		15400.0000	13500.0000			150.0000		0.0000 ND
CHROMIUM, TOTAL	1.0000	7.0000		8.0000	10.3000			0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		8.9000	8.4000			0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		26.2000	46.9000			13.0000		0.0000 ND
IRON	0.8000	7.0000		15300.0000	17300.0000			97.0000		0.0000 ND
LEAD	3.0000	50.0000	400.0000	6.9000	7.8000			0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		4650.0000	5450.0000			304.0000		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	294.0000	317.0000			3.0000		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	9.6000	13.7000			0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		1820.0000	2670.0000			0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		90.4000	325.0000			226.0000		0.0000 ND
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	37.7000	36.8000			0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	42.8000	59.3000			9.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-214: Waste Oil Storage Tank Bldg.471
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-214-01-1014 Lab ID: P270947	Field ID: KAFB-214-01-2022 Lab ID: P270948	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-214-04269 Lab ID: P270946	Ambient Blank Field ID: Lab ID:	Lab ID: P272921
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-214: Waste Oil Storage Tank Bldg.471
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-214-01-1014 Lab ID:	Field ID: KAFB-214-01-2022 Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-214-04269 Lab ID: P270946	Ambient Blank Field ID: Lab ID:	Lab ID:
GASOLINE COMPONENTS	100.0000	1.0000		260.0000	260.0000			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-214: Waste Oil Storage Tank Bldg.471
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-214-01-1014 Lab ID: P270947	Field ID: KAFB-214-01-2022 Lab ID: P270948	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-214-04269 Lab ID: P270946	Ambient Blank Field ID: Lab ID:	Lab ID: P271779
DIESEL COMPONENTS	70.0000	10.0000		910.0000	220.0000			310.0000		0.0000 ND
PENTACOSANE	N/A	N/A		2670.0000	2800.0000			78.0000		2600.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-214: Waste Oil Storage Tank Bldg.471
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-214-01-1014 Lab ID: 1054370001MS	Field ID: KAFB-214-01-2022 Lab ID: 1054370002SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-042694 Lab ID: 1054370021TB	Equipment Blank Field ID: KAFB-EB-214-04269 Lab ID: 1054370019EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0051	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0051	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0051	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0051	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0051	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0051	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		106.0000 %	108.0000 %		99.0000 %	103.0000 %		
1,2-DICHLOROPROPANE	0.0051	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		103.0000 %	107.0000 %		92.0000 %	383.0000		
2-CHLOROETHYL VINYL ETHER	0.0100	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0100	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ACETONE	0.0100	0.1000	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	6.9000 TR		
BENZENE	0.0051	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0051	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0051	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0100	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0051	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0051	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0051	N/A	2160.000	0.0000 ND	0.0000 ND		0.3200 TR	0.0000 ND		
CHLOROETHANE	0.0100	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0051	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0100	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0051	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0051	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0100	0.1000	48000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0100	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0051	0.0050	93.3000	0.0000 ND	0.0000 ND		2.5000 TR	2.4000 TR		
STYRENE	0.0051	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0051	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0051	0.0050	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		102.0000 %	107.0000 %		94.0000 %	98.0000 %		
TRICHLOROETHYLENE (TCE)	0.0051	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0100	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0100	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0051	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0051	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0051	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0051	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-214: Waste Oil Storage Tank Bldg.471
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-214-01-1014 Lab ID: P270947	Field ID: KAFB-214-01-2022 Lab ID: P270948	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-214-04269 Lab ID: P270946	Ambient Blank Field ID: Lab ID:	Lab ID: P272520
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		73.0000	56.0000			73.0000		89.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		43.0000	42.0000			44.0000		41.0000
2-FLUOROPHENOL	N/A	N/A		84.0000	81.0000			58.0000		87.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-214: Waste Oil Storage Tank Bldg.471
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-214-01-1014 Lab ID: P270947	Field ID: KAFB-214-01-2022 Lab ID: P270948	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-214-04269 Lab ID: P270946	Ambient Blank Field ID: Lab ID:	Lab ID: P272520
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	420.0000	360.0000			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		42.0000	39.0000			41.0000		39.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		87.0000	89.0000			42.0000		89.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		49.0000	46.0000			47.0000		49.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-214: Waste Oil Storage Tank Bldg.471
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-214-01-1014 Lab ID: P270947	Field ID: Lab ID: P270947	Field ID: KAFB-214-01-2022 Lab ID: P270948	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		9.0000		8.7000				

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-214: Waste Oil Storage Tank Bldg.471
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-214-02-1012 Lab ID: 1054370003SA	Field ID: KAFB-214-02-2022 Lab ID: 1054370004SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		6.4000	13.3000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-214: Waste Oil Storage Tank Bldg.471
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-214-02-1012 Lab ID: P270949	Field ID: KAFB-214-02-2022 Lab ID: P270950	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-214-04269 Lab ID: P270946	Ambient Blank Field ID: Lab ID:	Lab ID: P272508
ALUMINUM	2.0000	50.0000		8840.0000	22500.0000			77.0000		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	27.3000	291.0000			0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.3200	1.0000			0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	1.7000			0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		4940.0000	38800.0000			150.0000		0.0000 ND
CHROMIUM, TOTAL	1.0000	7.0000		8.1000	22.8000			0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		4.3000	14.5000			0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		9.6000	65.5000			13.0000		0.0000 ND
IRON	0.8000	7.0000		11700.0000	28400.0000			97.0000		0.0000 ND
LEAD	3.0000	50.0000	400.0000	4.1000	13.1000			0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		3420.0000	9260.0000			304.0000		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	148.0000	624.0000			3.0000		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	5.8000	25.1000			0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		1470.0000	4220.0000			0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	9.6000			0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		124.0000	1060.0000			226.0000		0.0000 ND
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	30.2000	61.2000			0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	26.8000	87.7000			9.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-214: Waste Oil Storage Tank Bldg.471
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-214-02-1012 Lab ID: P270949	Field ID: KAFB-214-02-2022 Lab ID: P270950	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-214-04269 Lab ID: P270946	Ambient Blank Field ID: Lab ID:	Lab ID: P272921
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-214: Waste Oil Storage Tank Bldg.471
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-214-02-1012 Lab ID:	Field ID: KAFB-214-02-2022 Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-214-04269 Lab ID: P270946	Ambient Blank Field ID: Lab ID:	Lab ID:
GASOLINE COMPONENTS	100.0000	1.0000		180.0000	740.0000			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-214: Waste Oil Storage Tank Bldg.471
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-214-02-1012 Lab ID: P270949	Field ID: KAFB-214-02-2022 Lab ID: P270950	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-214-04269 Lab ID: P270946	Ambient Blank Field ID: Lab ID:	Lab ID: P271779
DIESEL COMPONENTS	70.0000	10.0000		780.0000	1300.0000			310.0000		0.0000 ND
PENTACOSANE	N/A	N/A		2700.0000	2800.0000			78.0000		2600.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-214: Waste Oil Storage Tank Bldg.471
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-214-02-1012 Lab ID: 1054370003SA	Field ID: KAFB-214-02-2022 Lab ID: 1054370004SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-042694 Lab ID: 1054370021TB	Equipment Blank Field ID: KAFB-EB-214-04269 Lab ID: 1054370019EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0053	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0053	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0053	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0053	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0053	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0053	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		110.0000 %	104.0000 %		99.0000 %	103.0000 %		
1,2-DICHLOROPROPANE	0.0053	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		101.0000 %	103.0000 %		92.0000 %	383.0000		
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ACETONE	0.0110	0.1000	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	6.9000 TR		
BENZENE	0.0053	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0053	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0053	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0110	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0053	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0053	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0053	N/A	2160.000	0.0000 ND	0.0000 ND		0.3200 TR	0.0000 ND		
CHLOROETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0053	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0053	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0053	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0053	0.0050	93.3000	0.0013 TR	0.0000 ND		2.5000 TR	2.4000 TR		
STYRENE	0.0053	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0053	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0053	0.0050	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		107.0000 %	101.0000 %		94.0000 %	98.0000 %		
TRICHLOROETHYLENE (TCE)	0.0053	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0053	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0053	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0053	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0053	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-214: Waste Oil Storage Tank Bldg.471
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-214-02-1012 Lab ID: P270949	Field ID: KAFB-214-02-2022 Lab ID: P270950	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-214-04269 Lab ID: P270946	Ambient Blank Field ID: Lab ID:	Lab ID: P272520
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		55.0000	60.0000			73.0000		89.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		42.0000	42.0000			44.0000		41.0000
2-FLUOROPHENOL	N/A	N/A		82.0000	79.0000			58.0000		87.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-214: Waste Oil Storage Tank Bldg.471
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-214-02-1012 Lab ID: P270949	Field ID: KAFB-214-02-2022 Lab ID: P270950	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-214-04269 Lab ID: P270946	Ambient Blank Field ID: Lab ID:	Lab ID: P272520
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	310.0000	320.0000			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		40.0000	37.0000			41.0000		39.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		85.0000	87.0000			42.0000		89.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		45.0000	46.0000			47.0000		49.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-214: Waste Oil Storage Tank Bldg.471
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-214-02-1012 Lab ID: P270949	Field ID: KAFB-214-02-2022 Lab ID: P270950	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.6000	8.7000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-214: Waste Oil Storage Tank Bldg.471
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-214-03-1012 Lab ID: 1054370005SA	Field ID: KAFB-214-03-2022 Lab ID: 1054370006SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		9.3000	15.1000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-214: Waste Oil Storage Tank Bldg.471
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-214-03-1012 Lab ID: P270951	Field ID: KAFB-214-03-2022 Lab ID: P270952	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-214-04269 Lab ID: P270946	Ambient Blank Field ID: Lab ID:	Lab ID: P272508
ALUMINUM	2.0000	50.0000		9260.0000	12600.0000			77.0000		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	183.0000	45.2000			0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.4300	0.5800			0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.6500	1.0000			150.0000		0.0000 ND
CALCIUM	2.0000	10.0000		19300.0000	59300.0000			0.0000 ND		0.0000 ND
CHROMIUM, TOTAL	1.0000	7.0000		8.0000	12.7000			0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		7.1000	7.0000			13.0000		0.0000 ND
COPPER	0.1000	6.0000		13.2000	36.0000			97.0000		0.0000 ND
IRON	0.8000	7.0000		14400.0000	15700.0000			0.0000 ND		0.0000 ND
LEAD	3.0000	50.0000	400.0000	4.8000	6.6000			304.0000		0.0000 ND
MAGNESIUM	3.0000	30.0000		4670.0000	5390.0000			3.0000		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	266.0000	356.0000			0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	8.0000	16.6000			0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		1960.0000	2450.0000			0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			226.0000		0.0000 ND
SODIUM	3.0000	30.0000		329.0000	533.0000			0.0000 ND		0.0000 ND
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	34.2000	31.8000			9.0000		0.0000 ND
ZINC	0.7000	2.0000	24000.00	36.8000	47.7000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-214: Waste Oil Storage Tank Bldg.471
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-214-03-1012 Lab ID: P270951	Field ID: KAFB-214-03-2022 Lab ID: P270952	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-214-04269 Lab ID: P270946	Ambient Blank Field ID: Lab ID:	Lab ID: P272921
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-214: Waste Oil Storage Tank Bldg.471
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-214-03-1012 Lab ID:	Field ID: KAFB-214-03-2022 Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-214-04269 Lab ID: P270946	Ambient Blank Field ID: Lab ID:	Lab ID:
GASOLINE COMPONENTS	100.0000	1.0000		700.0000	300.0000			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-214: Waste Oil Storage Tank Bldg.471
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-214-03-1012 Lab ID: P270951	Field ID: KAFB-214-03-2022 Lab ID: P270952	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-214-04269 Lab ID: P270946	Ambient Blank Field ID: Lab ID:	Lab ID: P271779
DIESEL COMPONENTS	70.0000	10.0000		500.0000	1200.0000			310.0000		0.0000 ND
PENTACOSANE	N/A	N/A		3030.0000	2890.0000			78.0000		2600.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-214: Waste Oil Storage Tank Bldg.471
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-214-03-1012 Lab ID: 1054370005SA	Field ID: KAFB-214-03-2022 Lab ID: 1054370006SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-042694 Lab ID: 1054370021TB	Equipment Blank Field ID: KAFB-EB-214-04269 Lab ID: 1054370019EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0055	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0055	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0055	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0055	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0055	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0055	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		104.0000 %	109.0000 %		99.0000 %	103.0000 %		
1,2-DICHLOROPROPANE	0.0055	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		96.0000 %	109.0000 %		92.0000 %	383.0000		
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ACETONE	0.0110	0.1000	8000.000	0.0000 ND	0.0059 TR		0.0000 ND	6.9000 TR		
BENZENE	0.0055	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0055	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0055	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0110	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0055	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0055	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0055	N/A	2160.000	0.0000 ND	0.0000 ND		0.3200 TR	0.0000 ND		
CHLOROETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0055	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0055	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0055	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0055	0.0050	93.3000	0.0021 TR	0.0027 TR		2.5000 TR	2.4000 TR		
STYRENE	0.0055	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0055	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0055	0.0050	16000.00	0.0006 TR	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		100.0000 %	112.0000 %		94.0000 %	98.0000 %		
TRICHLOROETHYLENE (TCE)	0.0055	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0055	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0055	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0055	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0055	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

Base: KIRTLAND AFB
Site: ST-214: Waste Oil Storage Tank Bldg.471
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

ANALYTCAL DATA SUMMARY

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-214-03-1012 Lab ID: P270951	Field ID: KAFB-214-03-2022 Lab ID: P270952	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-214-04269 Lab ID: P270946	Ambient Blank Field ID: Lab ID:	Lab ID: P272520
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		57.0000	55.0000			73.0000		89.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		40.0000	43.0000			44.0000		41.0000
2-FLUOROPHENOL	N/A	N/A		74.0000	74.0000			58.0000		87.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-214: Waste Oil Storage Tank Bldg.471
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-214-03-1012 Lab ID: P270951	Field ID: KAFB-214-03-2022 Lab ID: P270952	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-214-04269 Lab ID: P270946	Ambient Blank Field ID: Lab ID:	Lab ID: P272520
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	340.0000	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		36.0000	38.0000			41.0000		39.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	190.0000			0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		83.0000	82.0000			42.0000		89.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		44.0000	46.0000			47.0000		49.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-214: Waste Oil Storage Tank Bldg.471
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-214-03-1012 Lab ID: P270951	Field ID: KAFB-214-03-2022 Lab ID: P270952	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.9000	8.2000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-214: Waste Oil Storage Tank Bldg.471
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-214-04-1012 Lab ID: 1054370007SA	Field ID: KAFB-214-04-2022 Lab ID: 1054370008SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		7.2000	19.2000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-214: Waste Oil Storage Tank Bldg.471
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-214-04-1012 Lab ID: P270953	Field ID: KAFB-214-04-2022 Lab ID: P270954	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-214-04269 Lab ID: P270946	Ambient Blank Field ID: Lab ID:	Lab ID: P272506
ALUMINUM	2.0000	50.0000		11100.0000	15600.0000			77.0000		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	145.0000	100.0000			0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.5500	0.6900			0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.9900	1.3000			0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		45100.0000	20100.0000			150.0000		0.0000 ND
CHROMIUM, TOTAL	1.0000	7.0000		11.0000	15.1000			0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		9.4000	11.3000			0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		19.1000	27.4000			13.0000		0.0000 ND
IRON	0.8000	7.0000		14900.0000	20300.0000			97.0000		0.0000 ND
LEAD	3.0000	50.0000	400.0000	8.6000	9.3000			0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		5210.0000	6480.0000			304.0000		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	306.0000	398.0000			3.0000		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	9.1000	13.6000			0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		2270.0000	3310.0000			0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		419.0000	544.0000			226.0000		0.0000 ND
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	37.0000	47.5000			0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	37.5000	53.4000			9.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-214: Waste Oil Storage Tank Bldg.471
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-214-04-1012 Lab ID: P270953	Field ID: KAFB-214-04-2022 Lab ID: P270954	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-214-04269 Lab ID: P270946	Ambient Blank Field ID: Lab ID:	Lab ID: P272921
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-214: Waste Oil Storage Tank Bldg.471
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-214-04-1012 Lab ID:	Field ID: KAFB-214-04-2022 Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-214-04269 Lab ID: P270946	Ambient Blank Field ID: Lab ID:	Lab ID:
GASOLINE COMPONENTS	100.0000	1.0000		470.0000	620.0000			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-214: Waste Oil Storage Tank Bldg.471
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-214-04-1012 Lab ID: P270953	Field ID: KAFB-214-04-2022 Lab ID: P270954	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-214-04269 Lab ID: P270946	Ambient Blank Field ID: Lab ID:	Lab ID: P271779
DIESEL COMPONENTS	70.0000	10.0000		630.0000	690.0000			310.0000		0.0000 ND
PENTACOSANE	N/A	N/A		2810.0000	2990.0000			78.0000		2600.0000

Base: KIRTLAND AFB
Site: ST-214: Waste Oil Storage Tank Bldg.471
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

ANALYTCAL DATA SUMMARY

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-214-04-1012 Lab ID: 1054370007SA	Field ID: KAFB-214-04-2022 Lab ID: 1054370008SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-042694 Lab ID: 1054370021TB	Equipment Blank Field ID: KAFB-EB-214-04269 Lab ID: 1054370019EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0054	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0054	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0054	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0054	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0054	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0054	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		109.0000 %	110.0000 %		99.0000 %	103.0000 %		
1,2-DICHLOROPROPANE	0.0054	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		101.0000 %	107.0000 %		92.0000 %	383.0000		
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ACETONE	0.0110	0.1000	8000.000	0.0000 ND	0.0077 TR		0.0000 ND	6.9000 TR		
BENZENE	0.0054	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0054	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0054	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0110	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0054	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0054	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0054	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND		0.3200 TR	0.0000 ND		
CHLOROFORM	0.0054	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0054	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0054	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0054	0.0050	93.3000	0.0019 TR	0.0033 TR		2.5000 TR	2.4000 TR		
STYRENE	0.0054	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0054	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0054	0.0050	16000.00	0.0000 ND	0.0012 TR		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		104.0000 %	108.0000 %		94.0000 %	98.0000 %		
TRICHLOROETHYLENE (TCE)	0.0054	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0054	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0054	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0054	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0054	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-214: Waste Oil Storage Tank Bldg.471
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-214-04-1012 Lab ID: P270953	Field ID: KAFB-214-04-2022 Lab ID: P270954	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-214-04269 Lab ID: P270946	Ambient Blank Field ID: Lab ID:	Lab ID: P272520
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		62.0000	60.0000			73.0000		89.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		43.0000	43.0000			44.0000		41.0000
2-FLUOROPHENOL	N/A	N/A		80.0000	72.0000			58.0000		87.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-214: Waste Oil Storage Tank Bldg.471
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-214-04-1012 Lab ID: P270953	Field ID: KAFB-214-04-2022 Lab ID: P270954	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-214-04269 Lab ID: P270946	Ambient Blank Field ID: Lab ID:	Lab ID: P272520
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	240.0000			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		40.0000	38.0000			41.0000		39.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		89.0000	81.0000			42.0000		89.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		44.0000	46.0000			47.0000		49.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-214: Waste Oil Storage Tank Bldg.471
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-214-04-1012 Lab ID: P270953	Field ID: KAFB-214-04-2022 Lab ID: P270954	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.8000	8.7000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-214: Waste Oil Storage Tank Bldg.471
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-214-05-1014 Lab ID: 1054370009SA	Field ID: KAFB-214-05-2024 Lab ID: 1054370010SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		5.5000	22.3000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-214: Waste Oil Storage Tank Bldg.471
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: *Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-214-05-1014 Lab ID: P271282	Field ID: KAFB-214-05-2024 Lab ID: P271283	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-214-04279 Lab ID: P271281	Ambient Blank Field ID: Lab ID:	Lab ID: P272610
ALUMINUM	2.0000	50.0000		6020.0000	11100.0000			0.0000 ND		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	204.0000	66.7000			0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.3300	0.5800			0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.9300			0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		24300.0000	18500.0000			51.0000		0.0000 ND
CHROMIUM, TOTAL	1.0000	7.0000		6.7000	10.8000			0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		5.2000	9.2000			0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		37.0000	62.5000			20.0000		0.0000 ND
IRON	0.8000	7.0000		8330.0000	16900.0000			34.0000		0.0000 ND
LEAD	3.0000	50.0000	400.0000	27.7000	7.2000			0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		2990.0000	5650.0000			69.0000		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	123.0000	413.0000			0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	20.8000	10.4000			0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		1090.0000	2560.0000			0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		276.0000	316.0000			135.0000		12.1000
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	22.4000	36.8000			0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	33.4000	61.6000			53.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-214: Waste Oil Storage Tank Bldg.471
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-214-05-1014 Lab ID: P271282	Field ID: KAFB-214-05-2024 Lab ID: P271283	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-214-04279 Lab ID: P271281	Ambient Blank Field ID: Lab ID:	Lab ID: P272947
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-214: Waste Oil Storage Tank Bldg.471
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-214-05-1014 Lab ID:	Field ID: KAFB-214-05-2024 Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-214-04279 Lab ID: P271281	Ambient Blank Field ID: Lab ID:	Lab ID:
GASOLINE COMPONENTS	100.0000	1.0000		650.0000	3100.0000			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-214: Waste Oil Storage Tank Bldg.471
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-214-05-1014 Lab ID: P271282	Field ID: KAFB-214-05-2024 Lab ID: P271283	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-214-04279 Lab ID: P271281	Ambient Blank Field ID: Lab ID:	Lab ID: P272678
DIESEL COMPONENTS	1400.000	10.0000		0.0000 ND	1600.0000			290.0000		0.0000 ND
PENTACOSANE	N/A	N/A		0.0000	3500.0000			73.0000		2450.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-214: Waste Oil Storage Tank Bldg.471
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-214-05-1014 Lab ID: 1054370009SA	Field ID: KAFB-214-05-2024 Lab ID: 1054370010SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-042794 Lab ID: 1054370022TB	Equipment Blank Field ID: KAFB-EB-214-04279 Lab ID: 1054370020EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0053	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0053	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0053	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0053	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0053	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0053	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		103.0000 %	98.0000 %		95.0000 %	90.0000 %		
1,2-DICHLOROPROPANE	0.0053	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		110.0000 %	96.0000 %		98.0000 %	319.0000		
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ACETONE	0.0110	0.1000	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BENZENE	0.0053	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0053	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0053	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0110	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0053	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0053	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0053	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0053	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0053	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0053	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0053	0.0050	93.3000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
STYRENE	0.0053	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0053	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0053	0.0050	16000.00	0.0000 ND	1.4000 TR		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		112.0000 %	104.0000 %		95.0000 %	98.0000 %		
TRICHLOROETHYLENE (TCE)	0.0053	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0053	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0053	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0053	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0053	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-214: Waste Oil Storage Tank Bldg.471
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-214-05-1014 Lab ID: P271282	Field ID: KAFB-214-05-2024 Lab ID: P271283	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-214-04279 Lab ID: P271281	Ambient Blank Field ID: Lab ID:	Lab ID: P272676
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		48.0000	89.0000			74.0000		66.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		41.0000	43.0000			41.0000		36.0000
2-FLUOROPHENOL	N/A	N/A		72.0000	74.0000			58.0000		64.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-214: Waste Oil Storage Tank Bldg.471
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-214-05-1014 Lab ID: P271282	Field ID: KAFB-214-05-2024 Lab ID: P271283	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-214-04279 Lab ID: P271281	Ambient Blank Field ID: Lab ID:	Lab ID: P272676
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		38.0000	40.0000			40.0000		33.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	200.0000			0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		84.0000	96.0000			42.0000		75.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		48.0000	47.0000			49.0000		39.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-214: Waste Oil Storage Tank Bldg.471
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-214-05-1014 Lab ID: P271282	Field ID: KAFB-214-05-2024 Lab ID: P271283	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.3000	8.4000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-215: Oil/Water Separator ST-215 Bldg 471
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-215-01-0307 Lab ID: 1054370015SA	Field ID: KAFB-215-01-0812 Lab ID: 1054370016SA	Field ID: KAFB-215-01-2630 Lab ID: 1054370017SA	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		16.0000	12.3000	9.4000				

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-215: Oil/Water Separator ST-215 Bldg.471
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-215-01-0307 Lab ID: P271288	Field ID: KAFB-215-01-0812 Lab ID: P271290	Field ID: KAFB-215-01-2630 Lab ID: P271292	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-214-04279 Lab ID: P271281	Ambient Blank Field ID: Lab ID:	Lab ID: P272610
ALUMINUM	2.0000	50.0000		4300.0000	6230.0000	12500.0000		0.0000 ND		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ARSENIC	60.0000	60.0000	38.9000	0.0000 ND	0.0000 ND	134.0000		0.0000 ND		0.0000 ND
BARIUM	2.0000	2.0000	5600.000	3580.0000	3070.0000	587.0000		0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.2200	0.3300	0.5800		0.0000 ND		0.0000 ND
CADMIUM	5.0000	4.0000	40.0000	0.0000 ND	0.0000 ND	5.0000		0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		112000.0000	37900.0000	32400.0000		51.0000		0.0000 ND
CHROMIUM, TOTAL	10.0000	7.0000		0.0000 ND	22.0000	0.0000 ND		0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		3.6000	4.2000	9.1000		0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		18.9000	7.1000	39.3000		20.0000		0.0000 ND
IRON	0.8000	7.0000		4650.0000	8240.0000	16800.0000		34.0000		0.0000 ND
LEAD	30.0000	50.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		2210.0000	3610.0000	6740.0000		69.0000		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	53.5000	142.0000	391.0000		0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	0.0000 ND	3.4000	10.1000		0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		753.0000	1010.0000	3380.0000		0.0000 ND		0.0000 ND
SELENIUM	70.0000	80.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
SILVER	3.0000	7.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		441.0000	485.0000	632.0000		135.0000		12.1000
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	12.2000	22.5000	28.5000		0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	19.0000	19.6000	64.5000		53.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-215: Oil/Water Separator ST-215 Bldg.471
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-215-01-0307 Lab ID: P271288	Field ID: KAFB-215-01-0812 Lab ID: P271290	Field ID: KAFB-215-01-2630 Lab ID: P271292	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-214-04279 Lab ID: P271281	Ambient Blank Field ID: Lab ID:	Lab ID: P272947
MERCURY	0.2000	0.1000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-215: Oil/Water Separator ST-215 Bldg.471
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-215-01-0307 Lab ID:	Field ID: KAFB-215-01-0812 Lab ID:	Field ID: KAFB-215-01-2630 Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-214-04279 Lab ID: P271281	Ambient Blank Field ID: Lab ID:	Lab ID:
GASOLINE COMPONENTS	100.0000	1.0000		5800000.0000	14000.0000	2100.0000		0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-215: Oil/Water Separator ST-215 Bldg.471
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-215-01-0307 Lab ID: P271288	Field ID: KAFB-215-01-0812 Lab ID: P271290	Field ID: KAFB-215-01-2630 Lab ID: P271292	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-214-04279 Lab ID: P271281	Ambient Blank Field ID: Lab ID:	Lab ID: P272678
DIESEL COMPONENTS	70.0000	10.0000		2000.0000	11000.0000	0.0000 ND		290.0000		0.0000 ND
PENTACOSANE	N/A	N/A		2010.0000	0.0000	0.0000		73.0000		2450.0000

Base: KIRTLAND AFB
Site: ST-215: Oil/Water Separator ST-215 Bldg.471
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

ANALYTCAL DATA SUMMARY

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-215-01-0307 Lab ID: 1054370015SA	Field ID: KAFB-215-01-0812 Lab ID: 1054370016SA	Field ID: KAFB-215-01-2630 Lab ID: 1054370017SA	Trip Blank Field ID: KAFB-TB-01-042794 Lab ID: 1054370022TB	Equipment Blank Field ID: KAFB-EB-214-04279 Lab ID: 1054370020EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.3000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.3000	0.0050	35.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.3000	0.0050	123.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.3000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.3000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.3000	0.0050	7.6900	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		98.0000 %	102.0000 %	106.0000 %	95.0000 %	90.0000 %		
1,2-DICHLOROPROPANE	0.3000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		102.0000 %	158.0000 %	105.0000 %	98.0000 %	319.0000		
2-CHLOROETHYL VINYL ETHER	0.6000	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
2-HEXANONE	0.6000	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ACETONE	0.6000	0.1000	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BENZENE	0.3000	0.0050	24.1000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.3000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMOFORM	0.3000	0.0050	88.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMOMETHANE	0.6000	0.0100	32.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.3000	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.3000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.3000	N/A	2160.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROETHANE	0.6000	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROFORM	0.3000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.6000	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.3000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.3000	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.6000	0.1000	48000.00	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.6000	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.3000	0.0050	93.3000	0.0000 ND	0.0000 ND	0.0013 TR	0.0000 ND	0.0000 ND		
STYRENE	0.3000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.3000	0.0050	800.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TOLUENE	0.3000	0.0050	16000.00	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		96.0000 %	101.0000 %	101.0000 %	95.0000 %	98.0000 %		
TOTAL 1,2-DICHLOROETHENE	0.3000	N/A		0.0000 ND	0.0000 ND	0.0000				
TRICHLOROETHYLENE (TCE)	0.3000	0.0050	63.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
VINYL ACETATE	0.6000	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.6000	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.3000	0.0050	160000.0	0.3100	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.3000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.3000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.3000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-215: Oil/Water Separator ST-215 Bldg.471
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-215-01-0307 Lab ID: P271288	Field ID: KAFB-215-01-0812 Lab ID: P271290	Field ID: KAFB-215-01-2630 Lab ID: P271292	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-214-04279 Lab ID: P271281	Ambient Blank Field ID: Lab ID:	Lab ID: P272676
1,2,4-TRICHLOROBENZENE	270.0000	0.7000	800.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	N/A	0.7000		0.0000	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	240.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		55.0000	105.0000	95.0000		74.0000		66.0000
2,4,6-TRICHLOROPHENOL	240.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	270.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	100.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	670.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	240.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	240.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-CHLOROPHENOL	300.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		27.0000	50.0000	42.0000		41.0000		36.0000
2-FLUOROPHENOL	N/A	N/A		47.0000	100.0000	84.0000		58.0000		64.0000
2-METHYLNAPHTHALENE	240.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	270.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-NITROANILINE	200.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-NITROPHENOL	240.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	240.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
3-NITROANILINE	200.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	170.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLOROANILINE	270.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	240.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-NITROANILINE	270.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-NITROPHENOL	270.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ACENAPHTHENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ACENAPHTHYLENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ANTHRACENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	240.0000	0.7000	95.9000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	300.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	340.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
BENZOIC ACID	670.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZYL ALCOHOL	300.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-215: Oil/Water Separator ST-215 Bldg.471
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-215-01-0307 Lab ID: P271288	Field ID: KAFB-215-01-0812 Lab ID: P271290	Field ID: KAFB-215-01-2630 Lab ID: P271292	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-214-04279 Lab ID: P271281	Ambient Blank Field ID: Lab ID:	Lab ID: P272676
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	240.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	300.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIBENZOFURAN	240.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	670.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
FLUORANTHENE	240.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	240.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	240.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROETHANE	240.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	140.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ISOPHORONE	270.0000	0.7000	7370.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NAPHTHALENE	240.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NITROBENZENE	300.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		24.0000	45.0000	38.0000		40.0000		33.0000
PENTACHLOROPHENOL	240.0000	3.3000	5.8300	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PHENANTHRENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PHENOL	200.0000	0.3000	48000.00	0.0000 ND	0.0000 ND	460.0000		0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		60.0000	125.0000	100.0000		42.0000		75.0000
PYRENE	170.0000	0.7000	2400.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		30.0000	70.0000	48.0000		49.0000		39.0000
bis(2-CHLOROETHOXY) METHANE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	300.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	140.0000	0.7000	50.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-215: Oil/Water Separator ST-215 Bldg.471
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-215-01-0307 Lab ID: P271288	Field ID: KAFB-215-01-0812 Lab ID: P271290	Field ID: KAFB-215-01-2630 Lab ID: P271292	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
FLASH POINT	70.0000	N/A		0.0000	0.0000	0.0000				
pH	N/A	N/A		8.8000	8.7000	8.1000				

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-215: Oil/Water Separator ST-215 Bldg.471
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-215-02-0307 Lab ID: 0351580003SA	Field ID: KAFB-215-02-0813 Lab ID: 0351580004SA	Field ID: KAFB-215-02-2630 Lab ID: 0351580005SA	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		14.0000	8.2000	12.0000				
MOISTURE, PERCENT	N/A	N/A		12.0000						

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-215: Oil/Water Separator ST-215 Bldg.471
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: *Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-215-02-0307 Lab ID: P271268	Field ID: KAFB-215-02-0813 Lab ID: P271270	Field ID: KAFB-215-02-2630 Lab ID: P271272	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-215-04289 Lab ID: P271267	Ambient Blank Field ID: Lab ID:	Lab ID: P272610
ALUMINUM	2.0000	50.0000		4220.0000	9490.0000	11700.0000		0.0000 ND		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ARSENIC	60.0000	60.0000	38.9000	0.0000 ND	0.0000 ND	193.0000		0.0000 ND		0.0000 ND
BARIUM	2.0000	2.0000	5600.000	4080.0000	4500.0000	631.0000		0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.0000 ND	0.4500	0.5600		0.0000 ND		0.0000 ND
CADMIUM	5.0000	4.0000	40.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		104000.0000	54200.0000	40700.0000		45.0000		0.0000 ND
CHROMIUM, TOTAL	10.0000	7.0000		12.0000	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		3.1000	5.7000	8.3000		0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		14.8000	29.1000	64.6000		3.0000		0.0000 ND
IRON	0.8000	7.0000		5460.0000	11800.0000	15000.0000		35.0000		0.0000 ND
LEAD	30.0000	50.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		2420.0000	4170.0000	6880.0000		0.0000 ND		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	54.9000	152.0000	362.0000		0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	0.0000 ND	5.0000	6.9000		0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		708.0000	2000.0000	3690.0000		0.0000 ND		0.0000 ND
SELENIUM	70.0000	80.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
SILVER	3.0000	7.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		609.0000	983.0000	820.0000		280.0000		12.1000
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	13.6000	30.9000	30.2000		0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	16.3000	33.7000	64.6000		8.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-215: Oil/Water Separator ST-215 Bldg.471
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-215-02-0307 Lab ID: P271268	Field ID: KAFB-215-02-0813 Lab ID: P271270	Field ID: KAFB-215-02-2630 Lab ID: P271272	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-215-04289 Lab ID: P271267	Ambient Blank Field ID: Lab ID:	Lab ID: P272947
MERCURY	0.2000	0.1000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-215: Oil/Water Separator ST-215 Bldg.471
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-215-02-0307 Lab ID:	Field ID: KAFB-215-02-0813 Lab ID:	Field ID: KAFB-215-02-2630 Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-215-04289 Lab ID: P271267	Ambient Blank Field ID: Lab ID:	Lab ID:
GASOLINE COMPONENTS	100.0000	1.0000		110000.0000	18000.0000	800.0000		0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-215: Oil/Water Separator ST-215 Bldg.471
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-215-02-0307 Lab ID: P271268	Field ID: KAFB-215-02-0813 Lab ID: P271270	Field ID: KAFB-215-02-2630 Lab ID: P271272	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-B-215-04289 Lab ID: P271267	Ambient Blank Field ID: Lab ID:	Lab ID: P277123
DIESEL COMPONENTS	7000.000	10.0000		380000.0000	3600000.0000	1900.0000		290.0000		0.0000
PENTACOSANE	N/A	N/A		0.0000	0.0000	1700.0000		82.0000		0.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-215: Oil/Water Separator ST-215 Bldg.471
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-215-02-0307 Lab ID: 0351580003SA	Field ID: KAFB-215-02-0813 Lab ID: 0351580004SA	Field ID: KAFB-215-02-2630 Lab ID: 0351580005MS	Trip Blank Field ID: KAFB-TB-01-042894 Lab ID: 0351580001TB	Equipment Blank Field ID: KAFB-EB-215-04289 Lab ID: 0351580002EB	Ambient Blank Field ID: KAFB-AB-215-04289 Lab ID: 0351580008AB	Lab ID:
1,1,1-TRICHLOROETHANE	0.0350	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
1,1,2,2-TETRACHLOROETHANE	0.0580	0.0050	35.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
1,1,2-TRICHLOROETHANE	0.0580	0.0050	123.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
1,1-DICHLOROETHANE	0.0470	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
1,1-DICHLOROETHENE	0.0580	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
1,2-DICHLOROETHANE	0.0470	0.0050	7.6900	0.0000 ND	0.0000 ND	0.0000 ND	1.1000 TR	0.0000 ND	0.0000 ND	
1,2-DICHLOROETHANE-D4	N/A	N/A		106.0000 %	96.0000 %	99.0000 %	99.0000 %	103.0000 %	107.0000 %	
1,2-DICHLOROPROPANE	0.0350	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		99.0000 %	94.0000 %	100.0000 %	103.0000 %	105.0000 %	104.0000 %	
2-CHLOROETHYL VINYL ETHER	0.1200	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
2-HEXANONE	0.1200	0.0500		0.0120 TR	0.0000 ND	0.0000 ND	1.2000 TR	0.0000 ND	0.0000 ND	
ACETONE	0.1200	0.1000	8000.000	0.0330 TR	0.0840 TR	0.0074 TR	4.8000 TR	0.0000 ND	5.1000 TR	
BENZENE	0.0230	0.0050	24.1000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
BROMODICHLOROMETHANE	0.0230	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
BROMOFORM	0.0580	0.0050	88.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
BROMOMETHANE	0.0470	0.0100	32.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
CARBON DISULFIDE	0.0580	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
CARBON TETRACHLORIDE	0.0350	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
CHLOROBENZENE	0.0230	N/A	2160.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
CHLOROETHANE	0.1200	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
CHLOROFORM	0.0230	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
CHLOROMETHANE	0.0700	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
DIBROMOCHLOROMETHANE	0.0470	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
ETHYLBENZENE	0.0230	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
METHYL ETHYL KETONE (2-BUTANONE)	0.1200	0.1000	48000.00	0.0260 TR	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.1200	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
METHYLENE CHLORIDE	0.0350	0.0050	93.3000	0.0200 TR	0.0180 TR	0.0024 TR	0.0000 ND	0.0000 ND	0.0000 ND	
STYRENE	0.0580	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
TETRACHLOROETHYLENE(PCE)	0.0230	0.0050	800.0000	0.0000 ND	0.0500	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
TOLUENE	0.0350	0.0050	16000.00	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
TOLUENE-D8	N/A	0.0050		99.0000 %	97.0000 %	95.0000 %	99.0000 %	98.0000 %	98.0000 %	
TRICHLOROETHYLENE (TCE)	0.0350	0.0050	63.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
VINYL ACETATE	0.0810	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
VINYL CHLORIDE	0.0470	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
XYLENES, TOTAL	0.0580	0.0050	160000.0	0.0800	0.0590	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
cis-1,3-DICHLOROPROPENE	0.0580	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
trans-1,2-DICHLOROETHENE	0.0580	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
trans-1,3-DICHLOROPROPENE	0.0350	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-215: Oil/Water Separator ST-215 Bldg.471
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-215-02-0307 Lab ID: P271268	Field ID: KAFB-215-02-0813 Lab ID: P271270	Field ID: KAFB-215-02-2630 Lab ID: P271272	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-215-04289 Lab ID: P271267	Ambient Blank Field ID: Lab ID:	Lab ID: P272676
1,2,4-TRICHLOROBENZENE	1000.000	0.7000	800.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	1000.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	1200.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	1200.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	1350.000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		115.0000	0.0000	67.0000		66.0000		66.0000
2,4,6-TRICHLOROPHENOL	850.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	700.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	1000.000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	1500.000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	1000.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	1200.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	850.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-CHLOROPHENOL	700.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		50.0000	0.0000	43.0000		38.0000		36.0000
2-FLUOROPHENOL	N/A	N/A		105.0000	0.0000	85.0000		60.0000		64.0000
2-METHYLNAPHTHALENE	700.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	850.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-NITROANILINE	850.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-NITROPHENOL	700.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	500.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
3-NITROANILINE	850.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	1000.000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	1200.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	1000.000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLOROANILINE	700.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	1000.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	700.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-NITROANILINE	1000.000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-NITROPHENOL	850.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ACENAPHTHENE	850.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ACENAPHTHYLENE	850.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ANTHRACENE	1000.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	1000.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(a)PYRENE	1000.000	0.7000	959.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	1500.000	0.7000	95.9000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	1350.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	1500.000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
BENZOIC ACID	3000.000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZYL ALCOHOL	500.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	1350.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-215: Oil/Water Separator ST-215 Bldg.471
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-215-02-0307 Lab ID: P271268	Field ID: KAFB-215-02-0813 Lab ID: P271270	Field ID: KAFB-215-02-2630 Lab ID: P271272	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-215-04289 Lab ID: P271267	Ambient Blank Field ID: Lab ID:	Lab ID: P272676
CHRYSENE	850.0000	0.7000	9.5900	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	1000.000	0.7000	8000.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	1500.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	1350.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIBENZOFURAN	850.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	1200.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	1200.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
FLUORANTHENE	1200.000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
FLUORENE	1000.000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	1200.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	1200.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	1350.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROETHANE	1350.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	1350.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ISOPHORONE	850.0000	0.7000	7370.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	700.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	1200.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NAPHTHALENE	850.0000	0.7000	3200.000	0.0000 ND	4500.0000	0.0000 ND		0.0000 ND		0.0000 ND
NITROBENZENE	700.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		50.0000	0.0000	42.0000		35.0000		33.0000
PENTACHLOROPHENOL	1200.000	3.3000	5.8300	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PHENANTHRENE	1200.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PHENOL	700.0000	0.3000	48000.00	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		130.0000	0.0000	93.0000		45.0000		75.0000
PYRENE	1200.000	0.7000	2400.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		65.0000	0.0000	46.0000		45.0000		39.0000
bis(2-CHLOROETHOXY) METHANE	850.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	700.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	700.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	3350.000	0.7000	50.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-215: Oil/Water Separator ST-215 Bldg.471
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-215-02-0307 Lab ID: P271268	Field ID: Lab ID: P271268	Field ID: KAFB-215-02-0813 Lab ID: P271270	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
FLASH POINT	70.0000	N/A		0.0000		0.0000				
pH	N/A	N/A		9.1000		8.8000				
FLASH POINT	70.0000	N/A		0.0000						
pH	N/A	N/A		8.8000						

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-215: Oil/Water Separator ST-215 Bldg.471
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-215-03-0310 Lab ID: 0351580006SA	Field ID: Lab ID: 0351580006SA	Field ID: KAFB-215-03-2630 Lab ID: 0351580009SA	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		9.6000		10.0000				

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-215: Oil/Water Separator ST-215 Bldg.471
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-215-03-0310 Lab ID: P271274	Field ID: Lab ID: P271274	Field ID: KAFB-215-03-2630 Lab ID: P271278	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-215-04289 Lab ID: P271267	Ambient Blank Field ID: Lab ID:	Lab ID: P272610
ALUMINUM	2.0000	50.0000		5920.0000		10900.0000		0.0000 ND		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	ND	0.0000 ND		0.0000 ND		0.0000 ND
ARSENIC	60.0000	60.0000	38.9000	0.0000 ND	ND	0.0000 ND		0.0000 ND		0.0000 ND
BARIUM	2.0000	2.0000	5600.000	3240.0000		1700.0000		0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.2300		0.5900		0.0000 ND		0.0000 ND
CADMIUM	5.0000	4.0000	40.0000	0.0000 ND	ND	0.0000 ND		0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		70300.0000		61400.0000		45.0000		0.0000 ND
CHROMIUM, TOTAL	10.0000	7.0000		17.0000	ND	0.0000 ND		0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		4.7000		7.9000		0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		27.6000		30.0000		3.0000		0.0000 ND
IRON	0.8000	7.0000		7420.0000		14800.0000		35.0000		0.0000 ND
LEAD	30.0000	50.0000	400.0000	0.0000 ND	ND	0.0000 ND		0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		2270.0000		7870.0000		0.0000 ND		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	96.0000		373.0000		0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	ND	0.0000 ND		0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	4.9000		10.1000		0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		1210.0000		3770.0000		0.0000 ND		0.0000 ND
SELENIUM	70.0000	80.0000	400.0000	0.0000 ND	ND	0.0000 ND		0.0000 ND		0.0000 ND
SILVER	3.0000	7.0000	400.0000	0.0000 ND	ND	0.0000 ND		0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		681.0000		1100.0000		280.0000		12.1000
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	ND	0.0000 ND		0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	15.7000		24.4000		0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	27.6000		47.4000		8.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-215: Oil/Water Separator ST-215 Bldg.471
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-215-03-0310 Lab ID: P271274	Field ID: Lab ID: P271274	Field ID: KAFB-215-03-2630 Lab ID: P271278	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-215-04289 Lab ID: P271267	Ambient Blank Field ID: Lab ID:	Lab ID: P272947
MERCURY	0.2000	0.1000		0.0000 ND	ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-215: Oil/Water Separator ST-215 Bldg.471
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-215-03-0310 Lab ID:	Field ID: Lab ID:	Field ID: KAFB-215-03-2630 Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-215-04289 Lab ID: P271267	Ambient Blank Field ID: Lab ID:	Lab ID:
GASOLINE COMPONENTS	N/A	1.0000		5900.0000		920.0000		0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-215: Oil/Water Separator ST-215 Bldg.471
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-215-03-0310 Lab ID: P271274	Field ID: Lab ID: P271274	Field ID: KAFB-215-03-2630 Lab ID: P271278	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-215-04289 Lab ID: P271267	Ambient Blank Field ID: Lab ID:	Lab ID: P272678
DIESEL COMPONENTS	3500.000	10.0000		23000.0000		1200.0000		290.0000		0.0000 ND
PENTACOSANE	N/A	N/A		0.0000		3570.0000		82.0000		2450.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-215: Oil/Water Separator ST-215 Bldg.471
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-215-03-0310 Lab ID: 0351580006SA	Field ID: Lab ID: 0351580006SA	Field ID: KAFB-215-03-2630 Lab ID: 0351580009SA	Trip Blank Field ID: KAFB-TB-01-042894 Lab ID: 0351580001TB	Equipment Blank Field ID: KAFB-EB-215-04289 Lab ID: 0351580002EB	Ambient Blank Field ID: KAFB-AB-215-04289 Lab ID: 0351580008AB	Lab ID:
1,1,1-TRICHLOROETHANE	0.0330	0.0050		0.0000 ND	ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
1,1,2,2-TETRACHLOROETHANE	0.0550	0.0050	35.0000	0.0000 ND	ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
1,1,2-TRICHLOROETHANE	0.0550	0.0050	123.0000	0.0000 ND	ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
1,1-DICHLOROETHANE	0.0440	0.0050		0.0000 ND	ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
1,1-DICHLOROETHENE	0.0550	0.0050		0.0000 ND	ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
1,2-DICHLOROETHANE	0.0440	0.0050	7.6900	0.0000 ND	ND	0.0000 ND	1.1000 TR	0.0000 ND	0.0000 ND	
1,2-DICHLOROETHANE-D4	N/A	N/A		101.0000 %	%	93.0000 %	99.0000 %	103.0000 %	107.0000 %	
1,2-DICHLOROPROPANE	0.0330	0.0050		0.0000 ND	ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		111.0000 %	%	100.0000 %	103.0000 %	105.0000 %	104.0000 %	
2-CHLOROETHYL VINYL ETHER	0.1100	0.0100		0.0000 ND	ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
2-HEXANONE	0.1100	0.0500		0.0000 ND		0.0000 ND	1.2000 TR	0.0000 ND	0.0000 ND	
ACETONE	0.1100	0.1000	8000.000	0.0460 TR	TR	0.0310	4.8000 TR	0.0000 ND	5.1000 TR	
BENZENE	0.0220	0.0050	24.1000	0.0000 ND	ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
BROMODICHLOROMETHANE	0.0220	0.0050		0.0000 ND	ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
BROMOFORM	0.0550	0.0050	88.6000	0.0000 ND	ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
BROMOMETHANE	0.0440	0.0100	32.0000	0.0000 ND	ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
CARBON DISULFIDE	0.0550	0.0050	8000.000	0.0000 ND	ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
CARBON TETRACHLORIDE	0.0330	0.0050		0.0000 ND	ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
CHLOROBENZENE	0.0220	N/A	2160.000	0.0000 ND	ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
CHLOROETHANE	0.1100	0.0100		0.0000 ND	ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
CHLOROFORM	0.0220	0.0050		0.0000 ND	ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
CHLOROMETHANE	0.0660	0.0100		0.0000 ND	ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
DIBROMOCHLOROMETHANE	0.0440	0.0050		0.0000 ND	ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
ETHYLBENZENE	0.0220	0.0050	8000.000	0.0110 TR		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
METHYL ETHYL KETONE (2-BUTANONE)	0.1100	0.1000	48000.00	0.0000 ND	ND	0.0051 TR	0.0000 ND	0.0000 ND	0.0000 ND	
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.1100	0.0500		0.0130 TR	ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
METHYLENE CHLORIDE	0.0330	0.0050	93.3000	0.0110 TR	ND	0.0017 TR	0.0000 ND	0.0000 ND	0.0000 ND	
STYRENE	0.0550	0.0050		0.0000 ND	ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
TETRACHLOROETHYLENE(PCE)	0.0220	0.0050	800.0000	0.0260		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
TOLUENE	0.0330	0.0050	16000.00	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
TOLUENE-D8	N/A	0.0050		97.0000 %	%	91.0000 %	99.0000 %	98.0000 %	98.0000 %	
TRICHLOROETHYLENE (TCE)	0.0330	0.0050	63.6000	0.0000 ND	TR	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
VINYL ACETATE	0.0770	0.0500		0.0000 ND	ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
VINYL CHLORIDE	0.0440	0.0100		0.0000 ND	ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
XYLENES, TOTAL	0.0550	0.0050	160000.0	0.1100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
cis-1,3-DICHLOROPROPENE	0.0550	0.0050		0.0000 ND	ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
trans-1,2-DICHLOROETHENE	0.0550	0.0050		0.0000 ND	ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
trans-1,3-DICHLOROPROPENE	0.0330	0.0050		0.0000 ND	ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-215: Oil/Water Separator ST-215 Bldg.471
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-215-03-0310 Lab ID: P271274	Field ID: Lab ID: P271274	Field ID: KAFB-215-03-2630 Lab ID: P271278	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-215-04289 Lab ID: P271267	Ambient Blank Field ID: Lab ID:	Lab ID: P272676
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	ND	0.0000 ND		0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	ND	0.0000 ND		0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	240.0000	0.7000		0.0000 ND	ND	0.0000 ND		0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	240.0000	0.7000		0.0000 ND	ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		100.0000		63.0000		66.0000		66.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	140.0000	0.3000		0.0000 ND	ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	ND	0.0000 ND		0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	240.0000	0.7000		0.0000 ND	ND	0.0000 ND		0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	ND	0.0000 ND		0.0000 ND		0.0000 ND
2-CHLOROPHENOL	140.0000	0.3000		0.0000 ND	ND	0.0000 ND		0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		41.0000		43.0000		38.0000		36.0000
2-FLUOROPHENOL	N/A	N/A		81.0000		83.0000		60.0000		64.0000
2-METHYLNAPHTHALENE	140.0000	0.7000	3200.000	0.0000 ND	ND	0.0000 ND		0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	ND	0.0000 ND		0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	ND	0.0000 ND		0.0000 ND		0.0000 ND
2-NITROPHENOL	140.0000	0.3000		0.0000 ND	ND	0.0000 ND		0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	ND	0.0000 ND		0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	ND	0.0000 ND		0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	ND	0.0000 ND		0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	240.0000	0.7000		0.0000 ND	ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLOROANILINE	140.0000	1.3000		0.0000 ND	ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	ND	0.0000 ND		0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	140.0000	0.3000		0.0000 ND	ND	0.0000 ND		0.0000 ND		0.0000 ND
4-NITROANILINE	200.0000	3.3000		0.0000 ND	ND	0.0000 ND		0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	ND	0.0000 ND		0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	ND	0.0000 ND		0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	ND	0.0000 ND		0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	ND	0.0000 ND		0.0000 ND		0.0000
BENZOIC ACID	600.0000	1.6000		0.0000 ND	ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-215: Oil/Water Separator ST-215 Bldg.471
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-215-03-0310 Lab ID: P271274	Field ID: Lab ID: P271274	Field ID: KAFB-215-03-2630 Lab ID: P271278	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-215-04289 Lab ID: P271267	Ambient Blank Field ID: Lab ID:	Lab ID: P272676
CHRYSENE	170.0000	0.7000	9.5900	0.0000 ND	ND	0.0000 ND		0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	ND	0.0000 ND		0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	ND	0.0000 ND		0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	ND	0.0000 ND		0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	ND	0.0000 ND		0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	240.0000	0.7000		0.0000 ND	ND	0.0000 ND		0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	240.0000	0.7000		0.0000 ND	ND	0.0000 ND		0.0000 ND		0.0000 ND
FLUORANTHENE	240.0000	0.7000	3360.000	0.0000 ND	ND	0.0000 ND		0.0000 ND		0.0000 ND
FLUORENE	200.0000	0.7000	3360.000	0.0000 ND	ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	240.0000	0.7000		0.0000 ND	ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	240.0000	0.7000		0.0000 ND	ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	ND	0.0000 ND		0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	ND	0.0000 ND		0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	ND	0.0000 ND		0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	140.0000	0.7000		0.0000 ND	ND	0.0000 ND		0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	240.0000	0.7000		0.0000 ND	ND	0.0000 ND		0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	ND	0.0000 ND		0.0000 ND		0.0000 ND
NITROBENZENE	140.0000	0.7000		0.0000 ND	ND	0.0000 ND		0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		36.0000		42.0000		35.0000		33.0000
PENTACHLOROPHENOL	240.0000	3.3000	5.8300	0.0000 ND	ND	0.0000 ND		0.0000 ND		0.0000 ND
PHENANTHRENE	240.0000	0.7000		0.0000 ND	ND	0.0000 ND		0.0000 ND		0.0000 ND
PHENOL	140.0000	0.3000	48000.00	0.0000 ND	ND	0.0000 ND		0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		100.0000		96.0000		45.0000		75.0000
PYRENE	240.0000	0.7000	2400.000	0.0000 ND	ND	0.0000 ND		0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		90.0000		46.0000		45.0000		39.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	ND	0.0000 ND		0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	140.0000	0.7000		0.0000 ND	ND	0.0000 ND		0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	140.0000	0.7000		0.0000 ND	ND	0.0000 ND		0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-215: Oil/Water Separator ST-215 Bldg.471
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-215-03-0310 Lab ID: P271274	Field ID: Lab ID: P271274	Field ID: KAFB-215-03-2630 Lab ID: P271278	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
FLASH POINT	70.0000	N/A		0.0000		0.0000				
pH	N/A	N/A		8.6000		8.5000				

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-215: Oil/Water Separator ST-215 Bldg.471
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-215-04-0309 Lab ID: 0351580012SA	Field ID: KAFB-215-04-1015 Lab ID: 0351580013SA	Field ID: KAFB-215-04-2630 Lab ID: 0351580014SA	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		14.0000	11.0000	2.0000				
MOISTURE, PERCENT	N/A	N/A		2.0000						

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-215: Oil/Water Separator ST-215 Bldg.471
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-215-04-0309 Lab ID: P271360	Field ID: KAFB-215-04-1015 Lab ID: P271362	Field ID: KAFB-215-04-2630 Lab ID: P271364	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-215-04299 Lab ID: P271359	Ambient Blank Field ID: Lab ID:	Lab ID: P272776
ALUMINUM	2.0000	50.0000		5430.0000	7950.0000	10800.0000		70.0000		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ARSENIC	60.0000	60.0000	38.9000	0.0000 ND	120.0000	0.0000 ND		0.0000 ND		0.0000 ND
BARIUM	2.0000	2.0000	5600.000	852.0000	658.0000	1100.0000		2.0000		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.3400	0.4200	0.5800		0.0000 ND		0.0000 ND
CADMIUM	5.0000	4.0000	40.0000	0.0000 ND	0.0000 ND	7.0000		0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		68600.0000	6910.0000	39600.0000		125.0000		3.6000
CHROMIUM, TOTAL	10.0000	7.0000		19.0000	13.0000	0.0000 ND		0.0000 ND		1.6000
COBALT	1.0000	7.0000		3.4000	5.9000	9.5000		0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		18.8000	11.7000	52.8000		8.0000		0.0000 ND
IRON	0.8000	7.0000		6600.0000	12800.0000	15400.0000		97.0000		1.1000
LEAD	30.0000	50.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		4170.0000	4280.0000	6570.0000		237.0000		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	85.3000	229.0000	383.0000		0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	18.0000	5.6000	10.4000		0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		810.0000	1820.0000	2920.0000		0.0000 ND		0.0000 ND
SELENIUM	70.0000	80.0000	400.0000	0.0000 ND	0.0000 ND	80.0000		0.0000 ND		0.0000 ND
SILVER	3.0000	7.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		417.0000	467.0000	668.0000		330.0000		0.0000 ND
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	22.6000	30.9000	25.8000		0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	18.0000	51.0000	60.6000		20.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-215: Oil/Water Separator ST-215 Bldg.471
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-215-04-0309 Lab ID: P271360	Field ID: KAFB-215-04-1015 Lab ID: P271362	Field ID: KAFB-215-04-2630 Lab ID: P271364	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-215-04299 Lab ID: P271359	Ambient Blank Field ID: Lab ID:	Lab ID: P272947
MERCURY	0.2000	0.1000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-215: Oil/Water Separator ST-215 Bldg.471
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-215-04-0309 Lab ID:	Field ID: KAFB-215-04-1015 Lab ID:	Field ID: KAFB-215-04-2630 Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-215-04299 Lab ID: P271359	Ambient Blank Field ID: Lab ID:	Lab ID:
GASOLINE COMPONENTS	100.0000	1.0000		520.0000	580.0000	660.0000		0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-215: Oil/Water Separator ST-215 Bldg.471
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-215-04-0309 Lab ID: P271360	Field ID: KAFB-215-04-1015 Lab ID: P271362	Field ID: KAFB-215-04-2630 Lab ID: P271364	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-215-04299 Lab ID: P271359	Ambient Blank Field ID: Lab ID:	Lab ID: P272678
DIESEL COMPONENTS	70.0000	10.0000		8400.0000	6500.0000	2600.0000		290.0000		0.0000 ND
PENTACOSANE	N/A	N/A		1700.0000	1900.0000	2380.0000		83.0000		2450.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-215: Oil/Water Separator ST-215 Bldg.471
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-215-04-0309 Lab ID: 0351580012SA	Field ID: KAFB-215-04-1015 Lab ID: 0351580013SA	Field ID: KAFB-215-04-2630 Lab ID: 0351580014SA	Trip Blank Field ID: KAFB-TB-01-042994 Lab ID: 0351580010TB	Equipment Blank Field ID: KAFB-EB-215-04299 Lab ID: 0351580011EB	Ambient Blank Field ID: KAFB-AB-215-04299 Lab ID: 0351580015AB	Lab ID:
1,1,1-TRICHLOROETHANE	0.0035	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
1,1,2,2-TETRACHLOROETHANE	0.0058	0.0050	35.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
1,1,2-TRICHLOROETHANE	0.0058	0.0050	123.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
1,1-DICHLOROETHANE	0.0046	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
1,1-DICHLOROETHENE	0.0058	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
1,2-DICHLOROETHANE	0.0046	0.0050	7.6900	0.0000 ND	0.0000 ND	0.0000 ND	1.8000 TR	0.0000 ND	0.0000 ND	
1,2-DICHLOROETHANE-D4	N/A	N/A		81.0000 %	94.0000 %	97.0000 %	106.0000 %	107.0000 %	106.0000 %	
1,2-DICHLOROPROPANE	0.0035	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		91.0000 %	96.0000 %	97.0000 %	105.0000 %	106.0000 %	106.0000 %	
2-CHLOROETHYL VINYL ETHER	0.0120	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
2-HEXANONE	0.0120	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	1.6000 TR	0.0000 ND	0.0000 ND	
ACETONE	0.0120	0.1000	8000.000	0.0012 TR	0.0065 TR	0.0049 TR	3.5000 TR	1.9000 TR	0.0000 ND	
BENZENE	0.0023	0.0050	24.1000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
BROMODICHLOROMETHANE	0.0023	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
BROMOFORM	0.0058	0.0050	88.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
BROMOMETHANE	0.0046	0.0100	32.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
CARBON DISULFIDE	0.0058	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
CARBON TETRACHLORIDE	0.0035	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
CHLOROBENZENE	0.0023	N/A	2160.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
CHLOROETHANE	0.0120	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
CHLOROFORM	0.0023	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
CHLOROMETHANE	0.0070	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
DIBROMOCHLOROMETHANE	0.0046	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
ETHYLBENZENE	0.0023	0.0050	8000.000	0.0012 TR	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
METHYL ETHYL KETONE (2-BUTANONE)	0.0120	0.1000	48000.00	0.0000 ND	0.0000 ND	0.0017 TR	0.0000 ND	2.1000 TR	0.0000 ND	
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0120	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
METHYLENE CHLORIDE	0.0035	0.0050	93.3000	0.0015 TR	0.0000 ND	0.0015 TR	0.0000 ND	0.0000 ND	0.0000 ND	
STYRENE	0.0058	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
TETRACHLOROETHYLENE(PCE)	0.0023	0.0050	800.0000	0.0024	0.0025	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
TOLUENE	0.0035	0.0050	16000.00	0.0000 ND	0.0015 TR	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
TOLUENE-D8	N/A	0.0050		99.0000 %	100.0000 %	97.0000 %	98.0000 %	98.0000 %	97.0000 %	
TRICHLOROETHYLENE (TCE)	0.0035	0.0050	63.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
VINYL ACETATE	0.0081	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
VINYL CHLORIDE	0.0046	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
XYLENES, TOTAL	0.0058	0.0050	160000.0	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
cis-1,3-DICHLOROPROPENE	0.0058	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
trans-1,2-DICHLOROETHENE	0.0058	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
trans-1,3-DICHLOROPROPENE	0.0035	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-215: Oil/Water Separator ST-215 Bldg.471
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-215-04-0309 Lab ID: P271360	Field ID: KAFB-215-04-1015 Lab ID: P271362	Field ID: KAFB-215-04-2630 Lab ID: P271364	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-215-04299 Lab ID: P271359	Ambient Blank Field ID: Lab ID:	Lab ID: P272676
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	240.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	240.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		75.0000	64.0000	82.0000		66.0000		66.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	140.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	240.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-CHLOROPHENOL	140.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		43.0000	30.0000	42.0000		38.0000		36.0000
2-FLUOROPHENOL	N/A	N/A		86.0000	58.0000	78.0000		61.0000		64.0000
2-METHYLNAPHTHALENE	140.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-NITROPHENOL	140.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	240.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLOROANILINE	140.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	140.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-NITROANILINE	200.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
BENZOIC ACID	600.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-215: Oil/Water Separator ST-215 Bldg.471
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-215-04-0309 Lab ID: P271360	Field ID: KAFB-215-04-1015 Lab ID: P271362	Field ID: KAFB-215-04-2630 Lab ID: P271364	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-215-04299 Lab ID: P271359	Ambient Blank Field ID: Lab ID:	Lab ID: P272676
CHRYSENE	170.0000	0.7000	9.5900	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	240.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	240.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
FLUORANTHENE	240.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
FLUORENE	200.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	240.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	240.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	140.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	240.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NITROBENZENE	140.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		40.0000	27.0000	38.0000		39.0000		33.0000
PENTACHLOROPHENOL	240.0000	3.3000	5.8300	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PHENANTHRENE	240.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PHENOL	140.0000	0.3000	48000.00	0.0000 ND	0.0000 ND	290.0000		0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		110.0000	72.0000	97.0000		45.0000		75.0000
PYRENE	240.0000	0.7000	2400.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		50.0000	34.0000	44.0000		47.0000		39.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	140.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	140.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

Base: KIRTLAND AFB
Site: ST-215: Oil/Water Separator ST-215 Bldg.471
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

ANALYTCAL DATA SUMMARY

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-215-04-0309 Lab ID: P271360	Field ID: Lab ID: P271360	Field ID: KAFB-215-04-1015 Lab ID: P271362	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
FLASH POINT	70.0000	N/A		0.0000		0.0000				
pH	N/A	N/A		8.5000		8.9000				
FLASH POINT	70.0000	N/A		0.0000						
pH	N/A	N/A		7.8000						

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-216: Oil/Water Separator ST-216 Bldg.471
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-216-01-0307 Lab ID: 1054370011SA	Field ID: KAFB-216-99-0307 Lab ID: 1054370011SA	Field ID: KAFB-216-01-1013 Lab ID: 1054370018SA	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		8.0000	14.4000	9.3000				

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-216: Oil/Water Separator ST-216 Bldg.471
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: *Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-216-01-0307 Lab ID: P271284	Field ID: KAFB-216-99-0307 Lab ID: P271284	Field ID: KAFB-216-01-1013 Lab ID: P271294	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-214-04279 Lab ID: P271281	Ambient Blank Field ID: Lab ID:	Lab ID: P272610
ALUMINUM	2.0000	50.0000		5060.0000	7040.0000	5640.0000		0.0000 ND		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	871.0000	345.0000	157.0000		0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.0000 ND	0.2400	0.3200		0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.6200	0.0000 ND		0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		192000.0000	199000.0000	14900.0000		51.0000		0.0000 ND
CHROMIUM, TOTAL	N/A	7.0000		4.6000	4.6000	5.2000		0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		3.8000	5.5000	5.9000		0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		9.9000	9.1000	10.6000		20.0000		0.0000 ND
IRON	0.8000	7.0000		4090.0000	6240.0000	10200.0000		34.0000		0.0000 ND
LEAD	3.0000	50.0000	400.0000	0.0000 ND	4.4000	3.6000		0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		7430.0000	9820.0000	3330.0000		69.0000		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	37.2000	91.1000	179.0000		0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	0.0000 ND	3.9000	0.0000 ND		0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		498.0000	887.0000	1200.0000		0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		195.0000	232.0000	230.0000		135.0000		12.1000
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	22.0000	27.2000	27.2000		0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	13.8000	18.2000	25.1000		53.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-216: Oil/Water Separator ST-216 Bldg.471
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-216-01-0307 Lab ID: P271284	Field ID: KAFB-216-01-1013 Lab ID: P271294	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-214-04279 Lab ID: P271281	Ambient Blank Field ID: Lab ID:	Lab ID: P272947
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-216: Oil/Water Separator ST-216 Bldg.471
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-216-01-0307 Lab ID:	Field ID: KAFB-216-01-1013 Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-214-04279 Lab ID: P271281	Ambient Blank Field ID: Lab ID:	Lab ID:
GASOLINE COMPONENTS	100.0000	1.0000		160.0000	560.0000			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-216: Oil/Water Separator ST-216 Bldg.471
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-216-01-0307 Lab ID: P271284	Field ID: KAFB-216-01-1013 Lab ID: P271294	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-214-04279 Lab ID: P271281	Ambient Blank Field ID: Lab ID:	Lab ID: P272678
DIESEL COMPONENTS	70.0000	10.0000		1700.0000	1700.0000			290.0000		0.0000 ND
PENTACOSANE	N/A	N/A		2310.0000	2310.0000			73.0000		2450.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-216: Oil/Water Separator ST-216 Bldg.471
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-216-01-0307 Lab ID: 1054370011SA	Field ID: KAFB-216-99-0307 Lab ID: 1054370011SA	Field ID: KAFB-216-01-1013 Lab ID: 1054370018SA	Trip Blank Field ID: KAFB-TB-01-042794 Lab ID: 1054370022TB	Equipment Blank Field ID: KAFB-EB-214-04279 Lab ID: 1054370020EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0054	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0054	0.0050	35.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0054	0.0050	123.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0054	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0054	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0054	0.0050	7.6900	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		103.0000 %	101.0000 %	89.0000 %	95.0000 %	90.0000 %		
1,2-DICHLOROPROPANE	0.0054	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		104.0000 %	96.0000 %	88.0000 %	98.0000 %	319.0000		
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
2-HEXANONE	0.0110	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ACETONE	0.0110	0.1000	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BENZENE	0.0054	0.0050	24.1000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0054	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMOFORM	0.0054	0.0050	88.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0110	0.0100	32.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0054	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0054	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0054	N/A	2160.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROFORM	0.0054	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0054	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0054	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0054	0.0050	93.3000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
STYRENE	0.0054	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0054	0.0050	800.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TOLUENE	0.0054	0.0050	16000.00	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		108.0000 %	106.0000 %	96.0000 %	95.0000 %	98.0000 %		
TRICHLOROETHYLENE (TCE)	0.0054	0.0050	63.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0110	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0110	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0054	0.0050	160000.0	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0054	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0054	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0054	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-216: Oil/Water Separator ST-216 Bldg.471
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-216-01-0307 Lab ID: P271284	Field ID: KAFB-216-99-0307 Lab ID: P271284	Field ID: KAFB-216-01-1013 Lab ID: P271294	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-214-04279 Lab ID: P271281	Ambient Blank Field ID: Lab ID:	Lab ID: P272676
1,2,4-TRICHLOROBENZENE	270.0000	0.7000	800.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	240.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		84.0000	84.0000	94.0000		74.0000		66.0000
2,4,6-TRICHLOROPHENOL	240.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	270.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	100.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	670.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	240.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	240.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-CHLOROPHENOL	300.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		42.0000	42.0000	43.0000		41.0000		36.0000
2-FLUOROPHENOL	N/A	N/A		75.0000	75.0000	88.0000		58.0000		64.0000
2-METHYLNAPHTHALENE	240.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	270.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-NITROANILINE	200.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-NITROPHENOL	240.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	240.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
3-NITROANILINE	200.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	170.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLOROANILINE	270.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	240.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-NITROANILINE	270.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-NITROPHENOL	270.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ACENAPHTHENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ACENAPHTHYLENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ANTHRACENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	240.0000	0.7000	95.9000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	300.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	340.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
BENZOIC ACID	670.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZYL ALCOHOL	300.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-216: Oil/Water Separator ST-216 Bldg.471
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-216-01-0307 Lab ID: P271284	Field ID: KAFB-216-99-0307 Lab ID: P271284	Field ID: KAFB-216-01-1013 Lab ID: P271294	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-214-04279 Lab ID: P271281	Ambient Blank Field ID: Lab ID:	Lab ID: P272676
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	240.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	300.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIBENZOFURAN	240.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	670.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
FLUORANTHENE	240.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	240.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	240.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROETHANE	240.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	140.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ISOPHORONE	270.0000	0.7000	7370.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NAPHTHALENE	240.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NITROBENZENE	300.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		39.0000	39.0000	38.0000		40.0000		33.0000
PENTACHLOROPHENOL	240.0000	3.3000	5.8300	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PHENANTHRENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PHENOL	200.0000	0.3000	48000.00	700.0000	700.0000	310.0000		0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		95.0000	95.0000	110.0000		42.0000		75.0000
PYRENE	170.0000	0.7000	2400.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		46.0000	46.0000	46.0000		49.0000		39.0000
bis(2-CHLOROETHOXY) METHANE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	300.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	140.0000	0.7000	50.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-216: Oil/Water Separator ST-216 Bldg.471
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-216-01-0307 Lab ID: P271285	Field ID: KAFB-216-01-1013 Lab ID: P271294	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.2000	8.6000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-216: Oil/Water Separator ST-216 Bldg.471
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-216-02-0306 Lab ID: 1054370013SA	Field ID: KAFB-216-02-0810 Lab ID: 1054370014SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		9.4000	11.3000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-216: Oil/Water Separator ST-216 Bldg.471
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-216-02-0306 Lab ID: P271286	Field ID: KAFB-216-02-0810 Lab ID: P271287	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-214-04279 Lab ID: P271281	Ambient Blank Field ID: Lab ID:	Lab ID: P272610
ALUMINUM	2.0000	50.0000		4680.0000	7160.0000			0.0000 ND		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	150.0000	35.0000			0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.2200	0.4500			0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		59600.0000	32400.0000			51.0000		0.0000 ND
CHROMIUM, TOTAL	1.0000	7.0000		5.5000	5.7000			0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		2.7000	6.3000			0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		30.9000	23.2000			20.0000		0.0000 ND
IRON	0.8000	7.0000		6010.0000	11200.0000			34.0000		0.0000 ND
LEAD	3.0000	50.0000	400.0000	3.3000	4.4000			0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		2730.0000	4070.0000			69.0000		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	72.3000	205.0000			0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	7.7000	6.2000			0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		685.0000	1220.0000			0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		124.0000	158.0000			135.0000		12.1000
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	18.8000	30.2000			0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	28.9000	33.1000			53.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-216: Oil/Water Separator ST-216 Bldg.471
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-216-02-0306 Lab ID: P271286	Field ID: KAFB-216-02-0810 Lab ID: P271287	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-214-04279 Lab ID: P271281	Ambient Blank Field ID: Lab ID:	Lab ID: P272947
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-216: Oil/Water Separator ST-216 Bldg.471
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-216-02-0306 Lab ID:	Field ID: KAFB-216-02-0810 Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-214-04279 Lab ID: P271281	Ambient Blank Field ID: Lab ID:	Lab ID:
GASOLINE COMPONENTS	100.0000	1.0000		590.0000	180.0000			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-216: Oil/Water Separator ST-216 Bldg.471
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-216-02-0306 Lab ID: P271286	Field ID: KAFB-216-02-0810 Lab ID: P271287	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-214-04279 Lab ID: P271281	Ambient Blank Field ID: Lab ID:	Lab ID: P272678
DIESEL COMPONENTS	70.0000	10.0000		1400.0000	1500.0000			290.0000		0.0000 ND
PENTACOSANE	N/A	N/A		2240.0000	2180.0000			73.0000		2450.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-216: Oil/Water Separator ST-216 Bldg.471
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-216-02-0306 Lab ID: 1054370013SA	Field ID: KAFB-216-02-0810 Lab ID: 1054370014SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-042794 Lab ID: 1054370022TB	Equipment Blank Field ID: KAFB-EB-214-04279 Lab ID: 1054370020EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0055	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0055	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0055	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0055	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0055	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0055	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		104.0000 %	99.0000 %		95.0000 %	90.0000 %		
1,2-DICHLOROPROPANE	0.0055	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		108.0000 %	98.0000 %		98.0000 %	319.0000		
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ACETONE	0.0110	0.1000	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BENZENE	0.0055	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0055	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0055	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0110	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0055	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0055	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0055	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0055	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0055	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0055	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0055	0.0050	93.3000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
STYRENE	0.0055	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0055	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0055	0.0050	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		106.0000 %	101.0000 %		95.0000 %	98.0000 %		
TRICHLOROETHYLENE (TCE)	0.0055	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0055	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0055	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0055	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0055	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

Base: KIRTLAND AFB
Site: ST-216: Oil/Water Separator ST-216 Bldg.471
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

ANALYTCAL DATA SUMMARY

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-216-02-0306 Lab ID: P271286	Field ID: KAFB-216-02-0810 Lab ID: P271287	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-214-04279 Lab ID: P271281	Ambient Blank Field ID: Lab ID:	Lab ID: P272676
1,2,4-TRICHLOROBENZENE	270.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	240.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		91.0000	89.0000			74.0000		66.0000
2,4,6-TRICHLOROPHENOL	240.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	270.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	100.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	670.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	240.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	240.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	300.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		43.0000	43.0000			41.0000		36.0000
2-FLUOROPHENOL	N/A	N/A		78.0000	75.0000			58.0000		64.0000
2-METHYLNAPHTHALENE	240.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	270.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	240.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	240.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	170.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	270.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	240.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	270.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	240.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	340.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZOIC ACID	670.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZYL ALCOHOL	300.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-216: Oil/Water Separator ST-216 Bldg.471
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-216-02-0306 Lab ID: P271286	Field ID: KAFB-216-02-0810 Lab ID: P271287	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-214-04279 Lab ID: P271281	Ambient Blank Field ID: Lab ID:	Lab ID: P272676
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	240.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	240.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	340.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	670.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	240.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	240.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	240.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	240.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	140.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	270.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	240.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		41.0000	41.0000			40.0000		33.0000
PENTACHLOROPHENOL	240.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	200.0000	0.3000	48000.00	290.0000	190.0000			0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		96.0000	96.0000			42.0000		75.0000
PYRENE	170.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		48.0000	45.0000			49.0000		39.0000
bis(2-CHLOROETHOXY) METHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	340.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	140.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-216: Oil/Water Separator ST-216 Bldg.471
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-216-02-0306 Lab ID: P271286	Field ID: Lab ID: P271286	Field ID: KAFB-216-02-0810 Lab ID: P271287	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.0000		8.2000				

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-217: Oil/Water Separator ST-217 Bldg.481
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-217-01-0608 Lab ID: P269779	Field ID: KAFB-217-01-1113 Lab ID: 0348700004SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID: P271458
MOISTURE, PERCENT	0.1000	N/A		13.0000	9.2000					0.0000

Base: KIRTLAND AFB
Site: ST-217: Oil/Water Separator ST-217 Bldg.481
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

ANALYTCAL DATA SUMMARY

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-217-01-0608 Lab ID: P269779	Field ID: KAFB-217-01-1113 Lab ID: P269780	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-217-04159 Lab ID: P269778	Ambient Blank Field ID: Lab ID:	Lab ID: P270600
ALUMINUM	2.0000	50.0000		10300.0000	7470.0000			76.0000		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	70.1000	37.3000			2.0000		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.5700	0.4300			0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		23400.0000	2000.0000			92.0000		0.0000 ND
CHROMIUM, TOTAL	1.0000	7.0000		9.9000	8.4000			0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		8.1000	6.7000			0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		31.3000	20.9000			36.0000		0.0000 ND
IRON	0.8000	7.0000		15800.0000	13700.0000			65.0000		0.0000 ND
LEAD	3.0000	50.0000	400.0000	10.0000	7.0000			0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		5870.0000	3980.0000			60.0000		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	355.0000	228.0000			0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	10.2000	7.8000			0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		1880.0000	1450.0000			0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			3.0000		0.0000 ND
SODIUM	3.0000	30.0000		192.0000	109.0000			154.0000		0.0000 ND
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	44.5000	33.8000			0.0000 ND		0.5000
ZINC	0.7000	2.0000	24000.00	51.0000	38.6000			31.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-217: Oil/Water Separator ST-217 Bldg.481
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-217-01-0608 Lab ID: P269779	Field ID: KAFB-217-01-1113 Lab ID: P269780	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-217-04159 Lab ID: P269778	Ambient Blank Field ID: Lab ID:	Lab ID: P272658
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-217: Oil/Water Separator ST-217 Bldg.481
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-217-01-0608 Lab ID:	Field ID: KAFB-217-01-1113 Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-217-04159 Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
GASOLINE COMPONENTS	100.0000	1.0000		0.0000 ND	420.0000			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-217: Oil/Water Separator ST-217 Bldg.481
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms/Liter

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-217-01-0608 Lab ID: P269779	Field ID: KAFB-217-01-1113 Lab ID: P269780	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-217-04159 Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID: P277043
DIESEL COMPONENTS	70.0000	10.0000		1100.0000	3400.0000			260.0000		0.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-217: Oil/Water Separator ST-217 Bldg.481
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-217-01-0608 Lab ID: 0348700003MS	Field ID: KAFB-217-01-1113 Lab ID: 0348700004SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-041594 Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: KAFB-AB-217-04159 Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0003	0.0050		0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND	
1,1,2,2-TETRACHLOROETHANE	0.0009	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND	
1,1,2-TRICHLOROETHANE	0.0005	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND	
1,1-DICHLOROETHANE	0.0004	0.0050		0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND	
1,1-DICHLOROETHENE	0.0006	0.0050		0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND	
1,2-DICHLOROETHANE	0.0004	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND	
1,2-DICHLOROETHANE-D4	N/A	N/A		102.0000 %	100.0000 %		99.0000 %		99.0000 %	
1,2-DICHLOROPROPANE	0.0003	0.0050		0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND	
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		100.0000 %	99.0000 %		101.0000 %		100.0000 %	
2-CHLOROETHYL VINYL ETHER	0.0054	0.0100		0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND	
2-HEXANONE	0.0012	0.0500		0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND	
ACETONE	0.0039	0.1000	8000.000	0.0000 ND	0.0120		0.0000 ND		0.0000 ND	
BENZENE	0.0002	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND	
BROMODICHLOROMETHANE	0.0002	0.0050		0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND	
BROMOFORM	0.0006	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND	
BROMOMETHANE	0.0004	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND	
CARBON DISULFIDE	0.0008	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND	
CARBON TETRACHLORIDE	0.0003	0.0050		0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND	
CHLOROBENZENE	0.0002	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND	
CHLOROETHANE	0.0010	0.0100		0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND	
CHLOROFORM	0.0002	0.0050		0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND	
CHLOROMETHANE	0.0006	0.0100		0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND	
DIBROMOCHLOROMETHANE	0.0004	0.0050		0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND	
ETHYLBENZENE	0.0002	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND	
METHYL ETHYL KETONE (2-BUTANONE)	0.0022	0.1000	48000.00	0.0024 TR	0.0000 ND		0.0000 ND		0.0000 ND	
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0012	0.0500		0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND	
METHYLENE CHLORIDE	0.0003	0.0050	93.3000	0.0014 TR	0.0015 TR		0.0000 ND		0.0000 ND	
STYRENE	0.0002	0.0050		0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND	
TETRACHLOROETHYLENE(PCE)	0.0002	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND	
TOLUENE	0.0003	0.0050	16000.00	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND	
TOLUENE-D8	N/A	0.0050		101.0000 %	101.0000 %		100.0000 %		99.0000 %	
TRICHLOROETHYLENE (TCE)	0.0003	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND	
VINYL ACETATE	0.0007	0.0500		0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND	
VINYL CHLORIDE	0.0004	0.0100		0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND	
XYLENES, TOTAL	0.0007	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND	
cis-1,3-DICHLOROPROPENE	0.0007	0.0050		0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND	
trans-1,2-DICHLOROETHENE	0.0009	0.0050		0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND	
trans-1,3-DICHLOROPROPENE	0.0003	0.0050		0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND	

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-217: Oil/Water Separator ST-217 Bldg.481
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-217-01-0608 Lab ID: P269779	Field ID: KAFB-217-01-1113 Lab ID: P269780	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-217-04159 Lab ID: P269778	Ambient Blank Field ID: Lab ID:	Lab ID: P271428
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		80.0000	70.0000			98.0000		82.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		42.0000	39.0000			45.0000		42.0000
2-FLUOROPHENOL	N/A	N/A		71.0000	69.0000			52.0000		70.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	540.0000	550.0000			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-217: Oil/Water Separator ST-217 Bldg.481
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-217-01-0608 Lab ID: P269779	Field ID: KAFB-217-01-1113 Lab ID: P269780	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-217-04159 Lab ID: P269778	Ambient Blank Field ID: Lab ID:	Lab ID: P271428
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		41.0000	42.0000			41.0000		42.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	600.0000	290.0000			0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		78.0000	76.0000			39.0000		77.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		52.0000	50.0000			53.0000		52.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	100.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-217: Oil/Water Separator ST-217 Bldg.481
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-217-01-0608 Lab ID: P269779	Field ID: KAFB-217-01-1113 Lab ID: P269780	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		9.0000	8.5000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-217: Oil/Water Separator ST-217 Bldg.481
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-217-02-0608 Lab ID: 0348700005SA	Field ID: KAFB-217-02-1416 Lab ID: 0348700006SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		14.0000	7.1000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-217: Oil/Water Separator ST-217 Bldg.481
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: *Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-217-02-0608 Lab ID: P269781	Field ID: KAFB-217-02-1416 Lab ID: P269782	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-217-04159 Lab ID: P269778	Ambient Blank Field ID: Lab ID:	Lab ID: P270600
ALUMINUM	2.0000	50.0000		9230.0000	5070.0000			76.0000		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	573.0000	27.0000			2.0000		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.5800	0.3200			0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		10900.0000	1530.0000			92.0000		0.0000 ND
CHROMIUM, TOTAL	1.0000	7.0000		9.0000	6.2000			0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		5.8000	3.3000			0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		17.1000	25.0000			36.0000		0.0000 ND
IRON	0.8000	7.0000		13600.0000	8050.0000			65.0000		0.0000 ND
LEAD	3.0000	50.0000	400.0000	5.2000	0.0000 ND			0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		4280.0000	2270.0000			60.0000		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	234.0000	97.7000			0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	8.5000	7.5000			0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		1460.0000	998.0000			0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			3.0000		0.0000 ND
SODIUM	3.0000	30.0000		88.7000	81.2000			154.0000		0.0000 ND
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	34.7000	18.5000			0.0000 ND		0.5000
ZINC	0.7000	2.0000	24000.00	42.1000	31.8000			31.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-217: Oil/Water Separator ST-217 Bldg.481
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-217-02-0608 Lab ID: P269781	Field ID: KAFB-217-02-1416 Lab ID: P269782	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-217-04159 Lab ID: P269778	Ambient Blank Field ID: Lab ID:	Lab ID: P272658
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-217: Oil/Water Separator ST-217 Bldg.481
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-217-02-0608 Lab ID:	Field ID: KAFB-217-02-1416 Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-217-04159 Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
GASOLINE COMPONENTS	100.0000	1.0000		0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-217: Oil/Water Separator ST-217 Bldg.481
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-217-02-0608 Lab ID: P269781	Field ID: KAFB-217-02-1416 Lab ID: P269782	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-217-04159 Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID: P270583
DIESEL COMPONENTS	70.0000	10.0000		550.0000	3000.0000			260.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-217: Oil/Water Separator ST-217 Bldg.481
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-217-02-0608 Lab ID: 0348700005SA	Field ID: KAFB-217-02-1416 Lab ID: 0348700006SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-041594 Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: KAFB-AB-217-04159 Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0003	0.0050		0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND	
1,1,2,2-TETRACHLOROETHANE	0.0009	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND	
1,1,2-TRICHLOROETHANE	0.0005	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND	
1,1-DICHLOROETHANE	0.0004	0.0050		0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND	
1,1-DICHLOROETHENE	0.0006	0.0050		0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND	
1,2-DICHLOROETHANE	0.0004	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND	
1,2-DICHLOROETHANE-D4	N/A	N/A		102.0000 %	102.0000 %		99.0000 %		99.0000 %	
1,2-DICHLOROPROPANE	0.0003	0.0050		0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND	
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		101.0000 %	103.0000 %		101.0000 %		100.0000 %	
2-CHLOROETHYL VINYL ETHER	0.0054	0.0100		0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND	
2-HEXANONE	0.0012	0.0500		0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND	
ACETONE	0.0039	0.1000	8000.000	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND	
BENZENE	0.0002	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND	
BROMODICHLOROMETHANE	0.0002	0.0050		0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND	
BROMOFORM	0.0006	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND	
BROMOMETHANE	0.0004	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND	
CARBON DISULFIDE	0.0008	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND	
CARBON TETRACHLORIDE	0.0003	0.0050		0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND	
CHLOROBENZENE	0.0002	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND	
CHLOROETHANE	0.0010	0.0100		0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND	
CHLOROFORM	0.0002	0.0050		0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND	
CHLOROMETHANE	0.0006	0.0100		0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND	
DIBROMOCHLOROMETHANE	0.0004	0.0050		0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND	
ETHYLBENZENE	0.0002	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND	
METHYL ETHYL KETONE (2-BUTANONE)	0.0022	0.1000	48000.00	0.0014 TR	0.0000 ND		0.0000 ND		0.0000 ND	
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0012	0.0500		0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND	
METHYLENE CHLORIDE	0.0003	0.0050	93.3000	0.0012 TR	0.0000 ND		0.0000 ND		0.0000 ND	
STYRENE	0.0002	0.0050		0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND	
TETRACHLOROETHYLENE(PCE)	0.0002	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND	
TOLUENE	0.0003	0.0050	16000.00	0.0017 TR	0.0000 ND		0.0000 ND		0.0000 ND	
TOLUENE-D8	N/A	0.0050		101.0000 %	103.0000 %		100.0000 %		99.0000 %	
TRICHLOROETHYLENE (TCE)	0.0003	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND	
VINYL ACETATE	0.0007	0.0500		0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND	
VINYL CHLORIDE	0.0004	0.0100		0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND	
XYLENES, TOTAL	0.0007	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND	
cis-1,3-DICHLOROPROPENE	0.0007	0.0050		0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND	
trans-1,2-DICHLOROETHENE	0.0009	0.0050		0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND	
trans-1,3-DICHLOROPROPENE	0.0003	0.0050		0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND	

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-217: Oil/Water Separator ST-217 Bldg.481
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-217-02-0608 Lab ID: P269781	Field ID: KAFB-217-02-1416 Lab ID: P269782	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-217-04159 Lab ID: P269778	Ambient Blank Field ID: Lab ID:	Lab ID: P271428
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		82.0000	76.0000			98.0000		82.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		42.0000	43.0000			45.0000		42.0000
2-FLUOROPHENOL	N/A	N/A		70.0000	64.0000			52.0000		70.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	520.0000	300.0000			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-217: Oil/Water Separator ST-217 Bldg 481
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-217-02-0608 Lab ID: P269781	Field ID: KAFB-217-02-1416 Lab ID: P269782	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-217-04159 Lab ID: P269778	Ambient Blank Field ID: Lab ID:	Lab ID: P271428
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			41.0000		42.0000
NITROBENZENE-D5	N/A	0.7000		42.0000	40.0000			0.0000 ND		0.0000 ND
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	440.0000			39.0000		77.0000
PHENOL-D5	N/A	N/A		77.0000	73.0000			0.0000 ND		0.0000 ND
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			53.0000		52.0000
TERPHENYL-D14	N/A	N/A		51.0000	45.0000			0.0000 ND		0.0000 ND
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-CHLOROISOPROPYL) ETHER	100.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		

Base: KIRTLAND AFB
Site: ST-217: Oil/Water Separator ST-217 Bldg.481
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

ANALYTCAL DATA SUMMARY

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-217-02-0608 Lab ID: P269781	Field ID: KAFB-217-02-1416 Lab ID: P269782	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.5000	8.4000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-217: Oil/Water Separator ST-217 Bldg.481
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-217-03-0610 Lab ID: 0348700007SA	Field ID: KAFB-217-03-1113 Lab ID: 0348700008SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		14.0000	14.0000					

Base: KIRTLAND AFB
Site: ST-217: Oil/Water Separator ST-217 Bldg.481
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

ANALYTCAL DATA SUMMARY

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-217-03-0610 Lab ID: P269783	Field ID: KAFB-217-03-1113 Lab ID: P269784	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-217-04159 Lab ID: P269778	Ambient Blank Field ID: Lab ID:	Lab ID: P270600
ALUMINUM	2.0000	50.0000		10100.0000	5460.0000			76.0000		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	566.0000	459.0000			2.0000		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.5800	0.4400			0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	1.3000			0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		59700.0000	2770.0000			92.0000		0.0000 ND
CHROMIUM, TOTAL	1.0000	7.0000		10.8000	9.5000			0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		6.2000	7.0000			0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		430.0000	34.0000			36.0000		0.0000 ND
IRON	0.8000	7.0000		13200.0000	28600.0000			65.0000		0.0000 ND
LEAD	3.0000	50.0000	400.0000	8.2000	5.9000			0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		4780.0000	2950.0000			60.0000		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	232.0000	234.0000			0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	248.0000	7.7000			0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		1820.0000	981.0000			0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			3.0000		0.0000 ND
SODIUM	3.0000	30.0000		107.0000	70.2000			154.0000		0.0000 ND
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	36.1000	64.4000			0.0000 ND		0.5000
ZINC	0.7000	2.0000	24000.00	173.0000	50.9000			31.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-217: Oil/Water Separator ST-217 Bldg.481
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-217-03-0610 Lab ID: P269783	Field ID: KAFB-217-03-1113 Lab ID: P269784	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-217-04159 Lab ID: P269778	Ambient Blank Field ID: Lab ID:	Lab ID: P272658
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-217: Oil/Water Separator ST-217 Bldg.481
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-217-03-0610 Lab ID:	Field ID: KAFB-217-03-1113 Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-217-04159 Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
GASOLINE COMPONENTS	100.0000	1.0000		130.0000	120.0000			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-217: Oil/Water Separator ST-217 Bldg.481
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-217-03-0610 Lab ID: P269783	Field ID: KAFB-217-03-1113 Lab ID: P269784	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-217-04159 Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID: P270583
DIESEL COMPONENTS	70.0000	10.0000		350.0000	220.0000			260.0000		0.0000 ND

Base: KIRTLAND AFB
Site: ST-217: Oil/Water Separator ST-217 Bldg.481
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

ANALYTCAL DATA SUMMARY

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-217-03-0610 Lab ID: 0348700007SA	Field ID: KAFB-217-03-1113 Lab ID: 0348700008SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-041594 Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: KAFB-AB-217-04159 Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0003	0.0050		0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND	
1,1,2,2-TETRACHLOROETHANE	0.0009	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND	
1,1,2-TRICHLOROETHANE	0.0005	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND	
1,1-DICHLOROETHANE	0.0004	0.0050		0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND	
1,1-DICHLOROETHENE	0.0006	0.0050		0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND	
1,2-DICHLOROETHANE	0.0004	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND	
1,2-DICHLOROETHANE-D4	N/A	N/A		101.0000 %	108.0000 %		99.0000 %		99.0000 %	
1,2-DICHLOROPROPANE	0.0003	0.0050		0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND	
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		96.0000 %	104.0000 %		101.0000 %		100.0000 %	
2-CHLOROETHYL VINYL ETHER	0.0054	0.0100		0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND	
2-HEXANONE	0.0012	0.0500		0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND	
ACETONE	0.0039	0.1000	8000.000	0.0150	0.0160		0.0000 ND		0.0000 ND	
BENZENE	0.0002	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND	
BROMODICHLOROMETHANE	0.0002	0.0050		0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND	
BROMOFORM	0.0006	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND	
BROMOMETHANE	0.0004	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND	
CARBON DISULFIDE	0.0008	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND	
CARBON TETRACHLORIDE	0.0003	0.0050		0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND	
CHLOROBENZENE	0.0002	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND	
CHLOROETHANE	0.0010	0.0100		0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND	
CHLOROFORM	0.0002	0.0050		0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND	
CHLOROMETHANE	0.0006	0.0100		0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND	
DIBROMOCHLOROMETHANE	0.0004	0.0050		0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND	
ETHYLBENZENE	0.0002	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND	
METHYL ETHYL KETONE (2-BUTANONE)	0.0022	0.1000	48000.00	0.0230	0.0015 TR		0.0000 ND		0.0000 ND	
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0012	0.0500		0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND	
METHYLENE CHLORIDE	0.0003	0.0050	93.3000	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND	
STYRENE	0.0002	0.0050		0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND	
TETRACHLOROETHYLENE(PCE)	0.0002	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND	
TOLUENE	0.0003	0.0050	16000.00	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND	
TOLUENE-D8	N/A	0.0050		104.0000 %	103.0000 %		100.0000 %		99.0000 %	
TRICHLOROETHYLENE (TCE)	0.0003	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND	
VINYL ACETATE	0.0007	0.0500		0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND	
VINYL CHLORIDE	0.0004	0.0100		0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND	
XYLENES, TOTAL	0.0007	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND	
cis-1,3-DICHLOROPROPENE	0.0007	0.0050		0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND	
trans-1,2-DICHLOROETHENE	0.0009	0.0050		0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND	
trans-1,3-DICHLOROPROPENE	0.0003	0.0050		0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND	

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-217: Oil/Water Separator ST-217 Bldg.481
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-217-03-0610 Lab ID: P269783	Field ID: KAFB-217-03-1113 Lab ID: P269784	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-217-04159 Lab ID: P269778	Ambient Blank Field ID: Lab ID:	Lab ID: P271428
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		71.0000	77.0000			98.0000		82.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		43.0000	43.0000			45.0000		42.0000
2-FLUOROPHENOL	N/A	N/A		68.0000	71.0000			52.0000		70.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	400.0000	370.0000			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-217: Oil/Water Separator ST-217 Bldg.481
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-217-03-0610 Lab ID: P269783	Field ID: KAFB-217-03-1113 Lab ID: P269784	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-217-04159 Lab ID: P269778	Ambient Blank Field ID: Lab ID:	Lab ID: P271428
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		40.0000	41.0000			41.0000		42.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	500.0000			0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		80.0000	79.0000			39.0000		77.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		50.0000	52.0000			53.0000		52.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	100.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-217: Oil/Water Separator ST-217 Bldg.481
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-217-03-0610 Lab ID: P269783	Field ID: KAFB-217-03-1113 Lab ID: P269784	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.4000	8.5000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-218: Oil/Water Separator ST-218 Bldg.482
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-218-01-0709 Lab ID: 0347930009SA	Field ID: KAFB-218-01-1214 Lab ID: 0347930010SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		10.0000	12.0000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-218: Oil/Water Separator ST-218 Bldg.482
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-218-01-0709 Lab ID: P269223	Field ID: KAFB-218-01-1214 Lab ID: P269224	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-218-04059 Lab ID: P269222	Ambient Blank Field ID: Lab ID:	Lab ID: P270400
ALUMINUM	2.0000	50.0000		10300.0000	9870.0000			0.0000 ND		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	11.9000	0.0000 ND			0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	165.0000	45.6000			0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.6700	0.6600			0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		59500.0000	9680.0000			0.0000 ND		3.7000
CHROMIUM, TOTAL	1.0000	7.0000		10.9000	8.6000			0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		5.9000	7.9000			0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		17.9000	18.2000			19.0000		0.0000 ND
IRON	0.8000	7.0000		12300.0000	15900.0000			35.0000		0.0000 ND
LEAD	3.0000	50.0000	400.0000	8.2000	8.8000			0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		4890.0000	5550.0000			0.0000 ND		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	240.0000	401.0000			0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	10.4000	11.8000			0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		1860.0000	2060.0000			0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		274.0000	415.0000			34.0000		0.0000 ND
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	41.0000	39.4000			0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	36.6000	47.8000			15.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-218: Oil/Water Separator ST-218 Bldg.482
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-218-01-0709 Lab ID: P269223	Field ID: KAFB-218-01-1214 Lab ID: P269224	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-218-04059 Lab ID: P269222	Ambient Blank Field ID: Lab ID:	Lab ID: P270650
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-218: Oil/Water Separator ST-218 Bldg.482
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-218-01-0709 Lab ID:	Field ID: KAFB-218-01-1214 Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-218-04059 Lab ID: P269222	Ambient Blank Field ID: Lab ID:	Lab ID:
GASOLINE COMPONENTS	100.0000	1.0000		0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-218: Oil/Water Separator ST-218 Bldg.482
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-218-01-0709 Lab ID: P269223	Field ID: KAFB-218-01-1214 Lab ID: P269224	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-218-04059 Lab ID: P269222	Ambient Blank Field ID: Lab ID:	Lab ID: P270228
DIESEL COMPONENTS	70.0000	10.0000		0.0000 ND	9900.0000			79.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-218: Oil/Water Separator ST-218 Bldg.482
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-218-01-0709 Lab ID: 0347930009SA	Field ID: KAFB-218-01-1214 Lab ID: 0347930010SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-040594 Lab ID: 0347930021TB	Equipment Blank Field ID: KAFB-EB-218-04059 Lab ID: 0347930022EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0003	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0009	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0005	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0004	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0006	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0004	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		98.0000 %	96.0000 %		103.0000 %	102.0000 %		
1,2-DICHLOROPROPANE	0.0003	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		101.0000 %	99.0000 %		108.0000 %	106.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0054	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0012	0.0500		0.0270	0.0000 ND		0.0000 ND	0.0000 ND		
ACETONE	0.0039	0.1000	8000.000	0.0350	0.0190		0.0000 ND	0.0000 ND		
BENZENE	0.0002	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0002	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0006	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0004	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0008	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0003	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0002	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0010	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0002	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0006	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0004	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0002	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0022	0.1000	48000.00	0.0110 TR	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0012	0.0500		0.0016 TR	0.0000 ND		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0003	0.0050	93.3000	0.0000 ND	0.0000 ND		1.3000 TR	0.0000 ND		
STYRENE	0.0002	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0002	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0003	0.0050	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		99.0000 %	100.0000 %		100.0000 %	101.0000 %		
TRICHLOROETHYLENE (TCE)	0.0003	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0007	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0004	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0007	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0007	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0009	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0003	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-218: Oil/Water Separator ST-218 Bldg.482
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-218-01-0709 Lab ID: P269223	Field ID: KAFB-218-01-1214 Lab ID: P269224	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-218-04059 Lab ID: P269222	Ambient Blank Field ID: Lab ID:	Lab ID: P270230
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		54.0000	64.0000			84.0000		50.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		33.0000	40.0000			44.0000		29.0000
2-FLUOROPHENOL	N/A	N/A		55.0000	70.0000			52.0000		48.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-218: Oil/Water Separator ST-218 Bldg.482
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-218-01-0709 Lab ID: P269223	Field ID: KAFB-218-01-1214 Lab ID: P269224	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-218-04059 Lab ID: P269222	Ambient Blank Field ID: Lab ID:	Lab ID: P270230
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			42.0000		28.0000
NITROBENZENE	130.0000	0.7000		31.0000	40.0000			0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			41.0000		53.0000
PHENOL	130.0000	0.3000	48000.00	61.0000	79.0000			0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		0.0000 ND	0.0000 ND			50.0000		28.0000
PYRENE	230.0000	0.7000	2400.000	33.0000	47.0000			0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	100.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

Base: KIRTLAND AFB
Site: ST-218: Oil/Water Separator ST-218 Bldg.482
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

ANALYTCAL DATA SUMMARY

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-218-01-0709 Lab ID: P269223	Field ID: Lab ID: P269223	Field ID: KAFB-218-01-1214 Lab ID: P269224	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.2000		8.2000				

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-218: Oil/Water Separator ST-218 Bldg.482
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-218-02-0711 Lab ID: 0347930011SA	Field ID: KAFB-218-99-0711 Lab ID: 0347930011SA	Field ID: KAFB-218-02-1214 Lab ID: 0347930016SA	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		12.0000	14.0000	9.2000				

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-218: Oil/Water Separator ST-218 Bldg.482
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: *Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-218-02-0711 Lab ID: P269225	Field ID: KAFB-218-02-1214 Lab ID: P269227	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-218-04059 Lab ID: P269222	Ambient Blank Field ID: Lab ID:	Lab ID: P270400
ALUMINUM	2.0000	50.0000		9410.0000	7970.0000			0.0000 ND		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	11.7000	6.5000			0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	169.0000	87.6000			0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.6700	0.5300			0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		58400.0000	31400.0000			0.0000 ND		3.7000
CHROMIUM, TOTAL	1.0000	7.0000		9.1000	7.1000			0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		5.6000	6.4000			0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		18.1000	12.5000			19.0000		0.0000 ND
IRON	0.8000	7.0000		10600.0000	11500.0000			35.0000		0.0000 ND
LEAD	3.0000	50.0000	400.0000	7.9000	4.6000			0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		4960.0000	4430.0000			0.0000 ND		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	191.0000	246.0000			0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	8.9000	8.2000			0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		1880.0000	1940.0000			0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		97.1000	90.5000			34.0000		0.0000 ND
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	38.8000	29.7000			0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	31.7000	34.2000			15.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-218: Oil/Water Separator ST-218 Bldg.482
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-218-02-0711 Lab ID: P269225	Field ID: KAFB-218-02-1214 Lab ID: P269227	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-218-04059 Lab ID: P269222	Ambient Blank Field ID: Lab ID:	Lab ID: P270650
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-218: Oil/Water Separator ST-218 Bldg.482
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-218-02-0711 Lab ID:	Field ID: KAFB-218-02-1214 Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-218-04059 Lab ID: P269222	Ambient Blank Field ID: Lab ID:	Lab ID:
GASOLINE COMPONENTS	100.0000	1.0000		0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-218: Oil/Water Separator ST-218 Bldg 482
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-218-02-0711 Lab ID: P269225	Field ID: KAFB-218-02-1214 Lab ID: P269227	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-218-04059 Lab ID: P269222	Ambient Blank Field ID: Lab ID:	Lab ID: P270228
DIESEL COMPONENTS	70.0000	10.0000		0.0000 ND	0.0000 ND			79.0000		0.0000 ND

Base: KIRTLAND AFB
Site: ST-218: Oil/Water Separator ST-218 Bldg.482
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

ANALYTCAL DATA SUMMARY

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-218-02-0711 Lab ID: 0347930011SA	Field ID: KAFB-218-99-0711 Lab ID: 0347930011SA	Field ID: KAFB-218-02-1214 Lab ID: 0347930016SA	Trip Blank Field ID: KAFB-TB-01-040594 Lab ID: 0347930021TB	Equipment Blank Field ID: KAFB-EB-218-04059 Lab ID: 0347930022EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0003	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0009	0.0050	35.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0005	0.0050	123.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0004	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0006	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0004	0.0050	7.6900	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		99.0000 %	100.0000 %	100.0000 %	103.0000 %	102.0000 %		
1,2-DICHLOROPROPANE	0.0003	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		104.0000 %	103.0000 %	103.0000 %	108.0000 %	106.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0054	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
2-HEXANONE	0.0012	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ACETONE	0.0039	0.1000	8000.000	0.0240	0.0210	0.0200	0.0000 ND	0.0000 ND		
BENZENE	0.0002	0.0050	24.1000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0002	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMOFORM	0.0006	0.0050	88.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0004	0.0100	32.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0008	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0003	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0002	N/A	2160.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0010	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROFORM	0.0002	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0006	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0004	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0002	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0022	0.1000	48000.00	0.0019 TR	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0012	0.0500		0.0033 TR	0.0025 TR	0.0018 TR	0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0003	0.0050	93.3000	0.0033 TR	0.0000 ND	0.0029 TR	1.3000 TR	0.0000 ND		
STYRENE	0.0002	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0002	0.0050	800.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TOLUENE	0.0003	0.0050	16000.00	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		100.0000 %	102.0000 %	100.0000 %	100.0000 %	101.0000 %		
TRICHLOROETHYLENE (TCE)	0.0003	0.0050	63.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0007	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0004	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0007	0.0050	160000.0	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0007	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0009	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0003	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-218: Oil/Water Separator ST-218 Bldg.482
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-218-02-0711 Lab ID: P269225	Field ID: KAFB-218-99-0711 Lab ID: P269225	Field ID: KAFB-218-02-1214 Lab ID: P269227	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-218-04059 Lab ID: P269222	Ambient Blank Field ID: Lab ID:	Lab ID: P270230
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		69.0000	69.0000	74.0000		84.0000		50.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		41.0000	41.0000	43.0000		44.0000		29.0000
2-FLUOROPHENOL	N/A	N/A		74.0000	74.0000	75.0000		52.0000		48.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-218: Oil/Water Separator ST-218 Bldg.482
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-218-02-0711 Lab ID: P269225	Field ID: KAFB-218-99-0711 Lab ID: P269225	Field ID: KAFB-218-02-1214 Lab ID: P269227	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-218-04059 Lab ID: P269222	Ambient Blank Field ID: Lab ID:	Lab ID: P270230
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		40.0000	40.0000	40.0000		42.0000		28.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	190.0000	190.0000	0.0000 ND		0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		84.0000	84.0000	84.0000		41.0000		53.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		49.0000	49.0000	48.0000		50.0000		28.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	100.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-218: Oil/Water Separator ST-218 Bldg.482
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-218-02-0711 Lab ID: P269225	Field ID: KAFB-218-02-1214 Lab ID: P269227	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.0000	8.2000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-218: Oil/Water Separator ST-218 Bldg.482
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-218-03-0709 Lab ID: 0347930012SA	Field ID: KAFB-218-03-1214 Lab ID: 0347930015SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		12.0000	9.2000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-218: Oil/Water Separator ST-218 Bldg.482
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: *Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-218-03-0709 Lab ID: P269228	Field ID: KAFB-218-03-1214 Lab ID: P269229	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-218-04059 Lab ID: P269222	Ambient Blank Field ID: Lab ID:	Lab ID: P270400
ALUMINUM	2.0000	50.0000		9210.0000	13000.0000			0.0000 ND		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	370.0000	101.0000			0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.4600	0.8000			0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.8000			0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		126000.0000	8000.0000			0.0000 ND		3.7000
CHROMIUM, TOTAL	1.0000	7.0000		7.2000	11.4000			0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		4.0000	10.5000			0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		33.4000	43.3000			19.0000		0.0000 ND
IRON	0.8000	7.0000		9000.0000	18100.0000			35.0000		0.0000 ND
LEAD	3.0000	50.0000	400.0000	6.7000	9.2000			0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		4780.0000	6580.0000			0.0000 ND		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	129.0000	437.0000			0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	5.2000	17.2000			0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		1760.0000	2550.0000			0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		104.0000	109.0000			34.0000		0.0000 ND
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	31.4000	40.9000			0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	35.3000	65.4000			15.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-218: Oil/Water Separator ST-218 Bldg.482
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-218-03-0709 Lab ID: P269228	Field ID: KAFB-218-03-1214 Lab ID: P269229	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-218-04059 Lab ID: P269222	Ambient Blank Field ID: Lab ID:	Lab ID: P270650
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-218: Oil/Water Separator ST-218 Bldg.482
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-218-03-0709 Lab ID:	Field ID: KAFB-218-03-1214 Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-218-04059 Lab ID: P269222	Ambient Blank Field ID: Lab ID:	Lab ID:
GASOLINE COMPONENTS	100.0000	1.0000		0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-218: Oil/Water Separator ST-218 Bldg.482
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-218-03-0709 Lab ID: P269228	Field ID: KAFB-218-03-1214 Lab ID: P269229	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-218-04059 Lab ID: P269222	Ambient Blank Field ID: Lab ID:	Lab ID: P270228
DIESEL COMPONENTS	70.0000	10.0000		0.0000 ND	0.0000 ND			79.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-218: Oil/Water Separator ST-218 Bldg.482
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-218-03-0709 Lab ID: 0347930012SA	Field ID: KAFB-218-03-1214 Lab ID: 0347930015SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-040594 Lab ID: 0347930021TB	Equipment Blank Field ID: KAFB-EB-218-04059 Lab ID: 0347930022EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0003	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0009	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0005	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0004	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0006	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0004	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		99.0000 %	100.0000 %		103.0000 %	102.0000 %		
1,2-DICHLOROPROPANE	0.0003	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		103.0000 %	106.0000 %		108.0000 %	106.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0054	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0012	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ACETONE	0.0039	0.1000	8000.000	0.0110 TR	0.0130		0.0000 ND	0.0000 ND		
BENZENE	0.0002	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0002	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0006	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0004	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0008	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0003	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0002	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0010	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0002	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0006	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0004	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0002	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0022	0.1000	48000.00	0.0000 ND	0.0042 TR		0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0012	0.0500		0.0027 TR	0.0013 TR		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0003	0.0050	93.3000	0.0034	0.0028 TR		1.3000 TR	0.0000 ND		
STYRENE	0.0002	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0002	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0003	0.0050	16000.00	0.0036	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		100.0000 %	100.0000 %		100.0000 %	101.0000 %		
TRICHLOROETHYLENE (TCE)	0.0003	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0007	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0004	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0007	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0007	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0009	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0003	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-218: Oil/Water Separator ST-218 Bldg.482
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-218-03-0709 Lab ID: P269228	Field ID: KAFB-218-03-1214 Lab ID: P269229	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-218-04059 Lab ID: P269222	Ambient Blank Field ID: Lab ID:	Lab ID: P270230
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		73.0000	69.0000			84.0000		50.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		42.0000	42.0000			44.0000		29.0000
2-FLUOROPHENOL	N/A	N/A		75.0000	71.0000			52.0000		48.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-218: Oil/Water Separator ST-218 Bldg.482
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-218-03-0709 Lab ID: P269228	Field ID: KAFB-218-03-1214 Lab ID: P269229	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-218-04059 Lab ID: P269222	Ambient Blank Field ID: Lab ID:	Lab ID: P270230
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		42.0000	40.0000			42.0000		28.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	160.0000	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		84.0000	83.0000			41.0000		53.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		48.0000	50.0000			50.0000		28.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	100.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-218: Oil/Water Separator ST-218 Bldg.482
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-218-03-0709 Lab ID: P269228	Field ID: KAFB-218-03-1214 Lab ID: P269229	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.2000	8.1000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-01-0709 Lab ID: 0349280003SA	Field ID: KAFB-219-01-1216 Lab ID: 0349280004SA	Field ID: Lab ID: 0349280004SA	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		13.0000	8.4000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-01-0709 Lab ID: P270015	Field ID: KAFB-219-01-1216 Lab ID: P270016	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID: P271484
ALUMINUM	2.0000	50.0000		9670.0000	10100.0000					0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND					0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND					0.0000 ND
BARIUM	0.2000	2.0000	5600.000	183.0000	54.7000					0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.6700	0.6500					0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND					0.0000 ND
CALCIUM	2.0000	10.0000		22500.0000	5410.0000					0.0000 ND
CHROMIUM, TOTAL	1.0000	7.0000		10.0000	9.7000					0.0000 ND
COBALT	1.0000	7.0000		7.4000	6.4000					0.0000 ND
COPPER	0.1000	6.0000		56.3000	22.4000					0.0000 ND
IRON	0.8000	7.0000		14000.0000	15500.0000					0.0000 ND
LEAD	3.0000	50.0000	400.0000	9.5000	6.5000					0.0000 ND
MAGNESIUM	3.0000	30.0000		5300.0000	4820.0000					0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	277.0000	289.0000					0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND					0.0000 ND
NICKEL	3.0000	15.0000	1600.000	9.7000	7.7000					0.0000 ND
POTASSIUM	20.0000	500.0000		1780.0000	2040.0000					0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND					0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND					0.0000 ND
SODIUM	3.0000	30.0000		249.0000	358.0000					5.9000
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND					0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	38.6000	39.5000					0.0000 ND
ZINC	0.7000	2.0000	24000.00	63.7000	45.8000					0.0000 ND

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AR Doc #3073

Kirtland Air Force Base
Albuquerque, New Mexico

FILE

RCRA Facility Investigation (RFI)
Stage 2B

Appendix G - Volume III of V

FINAL DRAFT - December 8, 1994

377 ABW/EMR
2000 Wyoming Blvd SE
Kirtland AFB, New Mexico 87117-5659

Kirtland Air Force Base
Albuquerque, New Mexico

FILE

RCRA Facility Investigation (RFI)
Stage 2B

Appendix G - Volume III of V

FINAL DRAFT - December 8, 1994

377 ABW/EMR
2000 Wyoming Blvd SE
Kirtland AFB, New Mexico 87117-5659

LIST OF APPENDICES

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Appendix H Risk Calculations

Appendix I Correspondence with Federal, State, and Local Government Agencies

Appendix J Data from Previous Investigations

Appendix K Analytical Data Quality Assurance and Quality Control

K.1 Laboratory Quality Control - Sample Acceptance Criteria and Instrument Detection Limit

K.1.a Ceimic Laboratory QC
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Appendix L Quality Assurance and Quality Control for Production of Documents

APPENDIX G

Appendix G is divided into two sections:

- ***Section 1—Sample Identification Cross-Reference Table***. Data in this table allow correlation of Quality Control samples with specific environmental samples. It also contains data that link specific field Quality Control samples (trip blanks, equipment blanks, and ambient condition blanks) with specified environmental samples. This section appears in Volume 1 of 5 of Appendix G.

- ***Section 2—Analytical Data Summary***. This section lists the sample results from each site, analytical method, and sample matrix. This table also includes information about any data which were qualified during the data validation procedures. This section appears in Volumes 2 through 5 of Appendix G.

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-01-0709 Lab ID: P270015	Field ID: KAFB-219-01-1216 Lab ID: P270016	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID: P272658
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND					0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-01-0709 Lab ID:	Field ID: KAFB-219-01-1216 Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
GASOLINE COMPONENTS	100.0000	1.0000		0.0000 ND	0.0000 ND					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-01-0709 Lab ID: P270015	Field ID: KAFB-219-01-1216 Lab ID: P270016	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID: P271546
DIESEL COMPONENTS	70.0000	10.0000		3700.0000	4000.0000					0.0000 ND
PENTACOSANE	N/A	N/A		2960.0000	2920.0000					2790.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-01-0709 Lab ID: 0349280003SA	Field ID: KAFB-219-01-1216 Lab ID: 0349280004MS	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-041994 Lab ID: 0349280001TB	Equipment Blank Field ID: KAFB-EB-219-04199 Lab ID: 0349280002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0034	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0057	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0057	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0046	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0057	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0046	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		95.0000 %	95.0000 %		91.0000 %	91.0000 %		
1,2-DICHLOROPROPANE	0.0034	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		98.0000 %	100.0000 %		99.0000 %	100.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ACETONE	0.0110	0.1000	8000.000	0.0180	0.0150		9.8000 TR	0.0000 ND		
BENZENE	0.0023	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0023	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0057	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0046	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0057	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0034	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0023	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0023	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0069	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0046	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0023	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0034	0.0050	93.3000	0.0000 ND	0.0016 TR		0.0000 ND	0.0000 ND		
STYRENE	0.0057	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0023	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0034	0.0050	16000.00	0.0039	0.0011 TR		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		101.0000 %	103.0000 %		99.0000 %	100.0000 %		
TRICHLOROETHYLENE (TCE)	0.0034	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0080	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0046	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0057	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0057	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0057	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0034	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-01-0709 Lab ID: P270015	Field ID: KAFB-219-01-1216 Lab ID: P270016	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID: P271544
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND					0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND					0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		70.0000	71.0000					75.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND					0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND					0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND					0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND					0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND					0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		40.0000	41.0000					40.0000
2-FLUOROPHENOL	N/A	N/A		69.0000	70.0000					70.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND					0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND					0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND					0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND					0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND					0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND					0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND					0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND					0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND					0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND					0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND					0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND					0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND					0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND					0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND					0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND					0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-01-0709 Lab ID: P270015	Field ID: KAFB-219-01-1216 Lab ID: P270016	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID: P271544
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND					0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	490.0000	640.0000					0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND					0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND					0.0000 ND
HEXACHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND					0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND					0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
NITROBENZENE-D5	N/A	0.7000		42.0000	40.0000					42.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND					0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	190.0000					0.0000 ND
PHENOL-D5	N/A	N/A		77.0000	79.0000					77.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND					0.0000 ND
TERPHENYL-D14	N/A	N/A		51.0000	51.0000					52.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND					0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	100.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND					0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-01-0709 Lab ID: P270015	Field ID: KAFB-219-01-1216 Lab ID: P270016	Field ID: Lab ID: P270016	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.9000	8.9000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-02-0711 Lab ID: 0349280005SA	Field ID: KAFB-219-99-0711 Lab ID: 0349280005SA	Field ID: KAFB-219-02-1214 Lab ID: 0349280007SA	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		13.0000	13.0000	3.3000				
MOISTURE, PERCENT	0.1000	N/A		17.0000						

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-02-0711 Lab ID: P270017	Field ID: KAFB-219-99-0711 Lab ID: P270017	Field ID: KAFB-219-02-1214 Lab ID: P270019	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID: P271484
ALUMINUM	2.0000	50.0000		11900.0000	7880.0000	14300.0000				0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
BARIUM	0.2000	2.0000	5600.000	1820.0000	189.0000	243.0000				0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.7100	0.5700	0.9000				0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND	0.6800				0.0000 ND
CALCIUM	2.0000	10.0000		53000.0000	14900.0000	13600.0000				0.0000 ND
CHROMIUM, TOTAL	1.0000	7.0000		15.4000	9.5000	13.7000				0.0000 ND
COBALT	1.0000	7.0000		13.4000	6.4000	10.3000				0.0000 ND
COPPER	0.1000	6.0000		48.6000	55.5000	59.8000				0.0000 ND
IRON	0.8000	7.0000		15400.0000	14500.0000	23000.0000				0.0000 ND
LEAD	3.0000	50.0000	400.0000	9.1000	9.0000	13.3000				0.0000 ND
MAGNESIUM	3.0000	30.0000		5380.0000	4060.0000	7020.0000				0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	323.0000	383.0000	412.0000				0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
NICKEL	3.0000	15.0000	1600.000	12.3000	9.4000	14.1000				0.0000 ND
POTASSIUM	20.0000	500.0000		2460.0000	1520.0000	2970.0000				0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
SODIUM	3.0000	30.0000		105.0000	82.4000	133.0000				5.9000
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	49.7000	38.1000	49.9000				0.0000 ND
ZINC	0.7000	2.0000	24000.00	51.2000	52.7000	81.9000				0.0000 ND
ALUMINUM	2.0000	50.0000		6360.0000						0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND						0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND						0.0000 ND
BARIUM	0.2000	2.0000	5600.000	74.5000						0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.4500						0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.5600						0.0000 ND
CALCIUM	2.0000	10.0000		11500.0000						0.0000 ND
CHROMIUM, TOTAL	1.0000	7.0000		9.6000						0.0000 ND
COBALT	1.0000	7.0000		8.5000						0.0000 ND
COPPER	0.1000	6.0000		158.0000						0.0000 ND
IRON	0.8000	7.0000		17000.0000						0.0000 ND
LEAD	3.0000	50.0000	400.0000	5.0000						0.0000 ND
MAGNESIUM	3.0000	30.0000		4150.0000						0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	263.0000						0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND						0.0000 ND
NICKEL	3.0000	15.0000	1600.000	9.7000						0.0000 ND
POTASSIUM	20.0000	500.0000		2020.0000						0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND						0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-02-2224 Lab ID: P270020	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID: P271484
SILVER	0.3000	7.0000	400.0000	0.0000 ND						0.0000 ND
SODIUM	3.0000	30.0000		94.2000						5.9000
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND						0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	38.0000						0.0000 ND
ZINC	0.7000	2.0000	24000.00	100.0000						0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-02-0711 Lab ID: P270017	Field ID: KAFB-219-99-0711 Lab ID: P270017	Field ID: KAFB-219-02-1214 Lab ID: P270019	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID: P272658
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
MERCURY	0.1000	0.1000		0.0000 ND						0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-02-0711 Lab ID:	Field ID: KAFB-219-99-0711 Lab ID:	Field ID: KAFB-219-02-1214 Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
GASOLINE COMPONENTS	100.0000	1.0000		1000.0000	14000.0000	3700.0000				
GASOLINE COMPONENTS	100.0000	1.0000		6900.0000						

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-02-0711 Lab ID: P270017	Field ID: KAFB-219-99-0711 Lab ID: P270017	Field ID: KAFB-219-02-1214 Lab ID: P270019	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID: P271546
DIESEL COMPONENTS	7000.000	10.0000		1700000.0000	29000.0000	2600.0000				0.0000 ND
PENTACOSANE	N/A	N/A		0.0000	3130.0000	2690.0000				2790.0000
DIESEL COMPONENTS	70.0000	10.0000		1700.0000						0.0000 ND
PENTACOSANE	N/A	N/A		2990.0000						2790.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-02-0711 Lab ID: 0349280005SA	Field ID: KAFB-219-99-0711 Lab ID: 0349280005SA	Field ID: KAFB-219-02-1214 Lab ID: 0349280007SA	Trip Blank Field ID: KAFB-TB-01-041994 Lab ID: 0349280001TB	Equipment Blank Field ID: KAFB-EB-219-04199 Lab ID: 0349280002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0350	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0580	0.0050	35.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0580	0.0050	123.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0460	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0580	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0460	0.0050	7.6900	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		86.0000 %	88.0000 %	93.0000 %	91.0000 %	91.0000 %		
1,2-DICHLOROPROPANE	0.0350	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		93.0000 %	95.0000 %	96.0000 %	99.0000 %	100.0000 %		
2-CHLOROETHYL VINYL ETHER	0.1200	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
2-HEXANONE	0.1200	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ACETONE	0.1200	0.1000	8000.000	0.3300	0.2800	0.0920	9.8000 TR	0.0000 ND		
BENZENE	0.0230	0.0050	24.1000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0230	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMOFORM	0.0580	0.0050	88.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0460	0.0100	32.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0580	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0019 TR	0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0350	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0230	N/A	2160.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROETHANE	0.1200	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROFORM	0.0230	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0690	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0460	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0230	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.1200	0.1000	48000.00	0.0000 ND	0.0000 ND	0.0025 TR	0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.1200	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0350	0.0050	93.3000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
STYRENE	0.0580	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0230	0.0050	800.0000	0.0200 TR	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TOLUENE	0.0350	0.0050	16000.00	0.4300	0.1600	0.0072	0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		98.0000 %	95.0000 %	98.0000 %	99.0000 %	100.0000 %		
TRICHLOROETHYLENE (TCE)	0.0350	0.0050	63.6000	0.0200 TR	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0810	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0460	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0580	0.0050	160000.0	0.0900	0.0710	0.0030 TR	0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0580	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0580	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0350	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,1-TRICHLOROETHANE	0.0360	0.0050		0.0000 ND			0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0600	0.0050	35.0000	0.0000 ND			0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0600	0.0050	123.0000	0.0000 ND			0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-02-2224 Lab ID: 0349280008SA	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-041994 Lab ID: 0349280001TB	Equipment Blank Field ID: KAFB-EB-219-04199 Lab ID: 0349280002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1-DICHLOROETHANE	0.0480	0.0050		0.0000 ND			0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0600	0.0050		0.0000 ND			0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0480	0.0050	7.6900	0.0000 ND			0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		83.0000 %			91.0000 %	91.0000 %		
1,2-DICHLOROPROPANE	0.0360	0.0050		0.0000 ND			0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		102.0000 %			99.0000 %	100.0000 %		
2-CHLOROETHYL VINYL ETHER	0.1200	0.0100		0.0000 ND			0.0000 ND	0.0000 ND		
2-HEXANONE	0.1200	0.0500		0.0000 ND			0.0000 ND	0.0000 ND		
ACETONE	0.1200	0.1000	8000.000	0.5700			9.8000 TR	0.0000 ND		
BENZENE	0.0240	0.0050	24.1000	0.0000 ND			0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0240	0.0050		0.0000 ND			0.0000 ND	0.0000 ND		
BROMOFORM	0.0600	0.0050	88.6000	0.0000 ND			0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0480	0.0100	32.0000	0.0000 ND			0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0600	0.0050	8000.000	0.0000 ND			0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0360	0.0050		0.0000 ND			0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0240	N/A	2160.000	0.0000 ND			0.0000 ND	0.0000 ND		
CHLOROETHANE	0.1200	0.0100		0.0000 ND			0.0000 ND	0.0000 ND		
CHLOROFORM	0.0240	0.0050		0.0000 ND			0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0720	0.0100		0.0000 ND			0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0480	0.0050		0.0000 ND			0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0240	0.0050	8000.000	0.0000 ND			0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.1200	0.1000	48000.00	0.0000 ND			0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.1200	0.0500		0.0000 ND			0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0360	0.0050	93.3000	0.0000 ND			0.0000 ND	0.0000 ND		
STYRENE	0.0600	0.0050		0.0000 ND			0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0240	0.0050	800.0000	0.0000 ND			0.0000 ND	0.0000 ND		
TOLUENE	0.0360	0.0050	16000.00	0.0000 ND			0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		98.0000 %			99.0000 %	100.0000 %		
TRICHLOROETHYLENE (TCE)	0.0360	0.0050	63.6000	0.0000 ND			0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0840	0.0500		0.0000 ND			0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0480	0.0100		0.0000 ND			0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0600	0.0050	160000.0	0.0000 ND			0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0600	0.0050		0.0000 ND			0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0600	0.0050		0.0000 ND			0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0360	0.0050		0.0000 ND			0.0000 ND	0.0000 ND		

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

ANALYTCAL DATA SUMMARY

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-02-0711 Lab ID: P270017	Field ID: KAFB-219-99-0711 Lab ID: P270017	Field ID: KAFB-219-02-1214 Lab ID: P270019	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID: P271544
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		80.0000	77.0000	74.0000				75.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		40.0000	42.0000	42.0000				40.0000
2-FLUOROPHENOL	N/A	N/A		91.0000	70.0000	64.0000				70.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	1900.0000	0.0000 ND	0.0000 ND				0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-02-0711 Lab ID: P270017	Field ID: KAFB-219-99-0711 Lab ID: P270017	Field ID: KAFB-219-02-1214 Lab ID: P270019	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID: P271544
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	610.0000	0.0000 ND	0.0000 ND				0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
HEXACHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	3200.0000	0.0000 ND	0.0000 ND				0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
NITROBENZENE-D5	N/A	0.7000		41.0000	42.0000	39.0000				42.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
PHENOL-D5	N/A	N/A		77.0000	76.0000	71.0000				77.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
TERPHENYL-D14	N/A	N/A		54.0000	54.0000	50.0000				52.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	100.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	1000.0000	0.0000 ND	0.0000 ND				0.0000 ND
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND						0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND						0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND						0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND						0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND						0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		74.0000						75.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND						0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND						0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND						0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND						0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND						0.0000 ND

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

ANALYTCAL DATA SUMMARY

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-02-2224 Lab ID: P270020	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID: P271544
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND						0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND						0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND						0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		43.0000						40.0000
2-FLUOROPHENOL	N/A	N/A		67.0000						70.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND						0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND						0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND						0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND						0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND						0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND						0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND						0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND						0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND						0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND						0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND						0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND						0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND						0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND						0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND						0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND						0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND						0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND						0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND						0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND						0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND						0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND				0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND						0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND						0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND						0.0000 ND
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND						0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	340.0000						0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND						0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND						0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND						0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND						0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND						0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND						0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND						0.0000 ND
HEXACHLOROBENZENE	200.0000	0.7000		0.0000 ND						0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND						0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-02-2224 Lab ID: P270020	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID: P271544
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND						0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND						0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND						0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND						0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND						0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND						0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND						0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND						0.0000 ND
NITROBENZENE-D5	N/A	0.7000		42.0000						42.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND						0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND						0.0000 ND
PHENOL	130.0000	0.3000	48000.00	0.0000 ND						0.0000 ND
PHENOL-D5	N/A	N/A		75.0000						77.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND						0.0000 ND
TERPHENYL-D14	N/A	N/A		52.0000						52.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND						0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND						0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	100.0000	0.7000		0.0000 ND				0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND						0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-02-0711 Lab ID: P270017	Field ID: KAFB-219-99-0711 Lab ID: P270017	Field ID: KAFB-219-02-1214 Lab ID: P270019	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.1000	8.3000	8.5000				
pH	N/A	N/A		8.8000						

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-03-0709 Lab ID: 0349280009SA	Field ID: KAFB-219-03-1216 Lab ID: 0349280010SA	Field ID: KAFB-219-03-2224 Lab ID: 0349280011SA	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		16.0000	9.9000	15.0000				

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-03-0709 Lab ID: P270021	Field ID: KAFB-219-03-1216 Lab ID: P270022	Field ID: KAFB-219-03-2224 Lab ID: P270023	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID: P271484
ALUMINUM	2.0000	50.0000		6350.0000	9250.0000	15000.0000				0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
BARIUM	0.2000	2.0000	5600.000	208.0000	130.0000	118.0000				0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.3600	0.5500	0.8500				0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.6600	0.7200				0.0000 ND
CALCIUM	2.0000	10.0000		148000.0000	6130.0000	35700.0000				0.0000 ND
CHROMIUM, TOTAL	1.0000	7.0000		63.4000	15.0000	15.1000				0.0000 ND
COBALT	1.0000	7.0000		3.6000	6.8000	10.4000				0.0000 ND
COPPER	0.1000	6.0000		14.2000	128.0000	105.0000				0.0000 ND
IRON	0.8000	7.0000		5850.0000	14700.0000	21500.0000				0.0000 ND
LEAD	3.0000	50.0000	400.0000	4.8000	9.7000	11.1000				0.0000 ND
MAGNESIUM	3.0000	30.0000		4310.0000	3940.0000	7240.0000				0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	59.0000	206.0000	760.0000				0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
NICKEL	3.0000	15.0000	1600.000	39.4000	31.8000	13.8000				0.0000 ND
POTASSIUM	20.0000	500.0000		1050.0000	1790.0000	2960.0000				0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
SODIUM	3.0000	30.0000		105.0000	86.3000	158.0000				5.9000
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	19.0000	34.9000	49.0000				0.0000 ND
ZINC	0.7000	2.0000	24000.00	20.2000	76.6000	79.2000				0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-03-0709 Lab ID: P270021	Field ID: KAFB-219-03-1216 Lab ID: P270022	Field ID: KAFB-219-03-2224 Lab ID: P270023	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID: P272660
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-03-0709 Lab ID:	Field ID: KAFB-219-03-1216 Lab ID:	Field ID: KAFB-219-03-2224 Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
GASOLINE COMPONENTS	100.0000	1.0000		18000.0000	90000.0000	12000.0000				

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-03-0709 Lab ID: P270021	Field ID: KAFB-219-03-1216 Lab ID: P270022	Field ID: KAFB-219-03-2224 Lab ID: P270023	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID: P271546
DIESEL COMPONENTS	1400.000	10.0000		1300000.0000	170000.0000	570000.0000				0.0000 ND
PENTACOSANE	N/A	N/A		0.0000	3230.0000	2720.0000				2790.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-03-0709 Lab ID: 0349280009RA	Field ID: KAFB-219-03-1216 Lab ID: 0349280010SA	Field ID: KAFB-219-03-2224 Lab ID: 0349280011SA	Trip Blank Field ID: KAFB-TB-01-041994 Lab ID: 0349280001TB	Equipment Blank Field ID: KAFB-EB-219-04199 Lab ID: 0349280002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.3600	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.2400	0.0050	35.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.6000	0.0050	123.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.4800	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.6000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.4800	0.0050	7.6900	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		101.0000 %	104.0000 %	100.0000 %	91.0000 %	91.0000 %		
1,2-DICHLOROPROPANE	0.3600	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		104.0000 %	106.0000 %	107.0000 %	99.0000 %	100.0000 %		
2-CHLOROETHYL VINYL ETHER	N/A	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
2-HEXANONE	1.2000	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ACETONE	1.2000	0.1000	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	9.8000 TR	0.0000 ND		
BENZENE	0.2400	0.0050	24.1000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.2400	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMOFORM	0.6000	0.0050	88.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMOMETHANE	0.4800	0.0100	32.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.6000	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.3600	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.2400	N/A	2160.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROETHANE	1.2000	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROFORM	0.2400	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.7100	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.4800	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.2400	0.0050	8000.000	0.4900	0.2100 TR	0.0000 ND	0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	1.2000	0.1000	48000.00	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	1.2000	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.3600	0.0050	93.3000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
STYRENE	0.6000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.3600	0.0050	800.0000	45.0000	1.8000	0.0000 ND	0.0000 ND	0.0000 ND		
TOLUENE	0.6000	0.0050	16000.00	15.0000	1.0000	0.3600 TR	0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		105.0000 %	111.0000 %	107.0000 %	99.0000 %	100.0000 %		
TRICHLOROETHYLENE (TCE)	0.3600	0.0050	63.6000	12.0000	1.1000	0.0000 ND	0.0000 ND	0.0000 ND		
VINYL ACETATE	0.8300	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.4800	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.6000	0.0050	160000.0	3.1000	3.7000	0.0000 ND	0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.6000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.6000	0.0050		0.1300 TR	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.3600	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-03-0709 Lab ID: P270021	Field ID: KAFB-219-03-1216 Lab ID: P270022	Field ID: KAFB-219-03-2224 Lab ID: P270023	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID: P271544
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		80.0000	74.0000	64.0000				75.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		41.0000	42.0000	41.0000				40.0000
2-FLUOROPHENOL	N/A	N/A		82.0000	72.0000	66.0000				70.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	2100.0000	310.0000	480.0000				0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-03-0709 Lab ID: P270021	Field ID: KAFB-219-03-1216 Lab ID: P270022	Field ID: KAFB-219-03-2224 Lab ID: P270023	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID: P271544
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	480.0000	570.0000				0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
HEXACHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	2400.0000	520.0000	2000.0000				0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
NITROBENZENE-D5	N/A	0.7000		40.0000	41.0000	41.0000				42.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	0.0000 ND	260.0000				0.0000 ND
PHENOL-D5	N/A	N/A		82.0000	76.0000	70.0000				77.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
TERPHENYL-D14	N/A	N/A		51.0000	53.0000	52.0000				52.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	100.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	2800.0000	0.0000 ND	0.0000 ND				0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg 481
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-03-0709 Lab ID: P270021	Field ID: KAFB-219-03-1216 Lab ID: P270022	Field ID: KAFB-219-03-2224 Lab ID: P270023	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.5000	8.5000	8.0000				

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

ANALYTCAL DATA SUMMARY

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-04-0709 Lab ID: 0349630003RA	Field ID: KAFB-219-04-1214 Lab ID: 0349630004SA	Field ID: KAFB-219-04-2224 Lab ID: 0349630005SA	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		25.0000	13.0000	1.6000				

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-04-0709 Lab ID: P270027	Field ID: KAFB-219-04-1214 Lab ID: P270028	Field ID: KAFB-219-04-2224 Lab ID: P270029	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID: P271484
ALUMINUM	2.0000	50.0000		11700.0000	11700.0000	10400.0000				0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
BARIUM	0.2000	2.0000	5600.000	144.0000	218.0000	94.5000				0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.7000	0.7000	0.6200				0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	1.3000	0.0000 ND	0.0000 ND				0.0000 ND
CALCIUM	2.0000	10.0000		33300.0000	34100.0000	15300.0000				0.0000 ND
CHROMIUM, TOTAL	1.0000	7.0000		80.3000	92.0000	10.5000				0.0000 ND
COBALT	1.0000	7.0000		6.9000	9.4000	11.3000				0.0000 ND
COPPER	0.1000	6.0000		71.9000	72.3000	39.4000				0.0000 ND
IRON	0.8000	7.0000		14900.0000	18600.0000	18000.0000				0.0000 ND
LEAD	3.0000	50.0000	400.0000	83.2000	12.7000	7.9000				0.0000 ND
MAGNESIUM	3.0000	30.0000		5030.0000	6170.0000	5900.0000				0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	233.0000	327.0000	427.0000				0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
NICKEL	3.0000	15.0000	1600.000	10.7000	11.4000	12.4000				0.0000 ND
POTASSIUM	20.0000	500.0000		2150.0000	2540.0000	2690.0000				0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
SODIUM	3.0000	30.0000		79.2000	104.0000	131.0000				5.9000
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	44.8000	47.7000	40.4000				0.0000 ND
ZINC	0.7000	2.0000	24000.00	66.5000	70.9000	60.2000				0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-04-0709 Lab ID: P270027	Field ID: KAFB-219-04-1214 Lab ID: P270028	Field ID: KAFB-219-04-2224 Lab ID: P270029	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID: P272660
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-04-0709 Lab ID:	Field ID: KAFB-219-04-1214 Lab ID:	Field ID: KAFB-219-04-2224 Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
GASOLINE COMPONENTS	125.0000	1.0000		7800000.0000	93000.0000	1800.0000				

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-04-0709 Lab ID: P270027	Field ID: KAFB-219-04-1214 Lab ID: P270028	Field ID: KAFB-219-04-2224 Lab ID: P270029	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID: P271546
DIESEL COMPONENTS	1400.000	10.0000		1100000.0000	1700000.0000	280000.0000				0.0000 ND
PENTACOSANE	N/A	N/A		0.0000	0.0000	2890.0000				2790.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-04-0709 Lab ID: 0349630003RA	Field ID: KAFB-219-04-1214 Lab ID: 0349630004SA	Field ID: KAFB-219-04-2224 Lab ID: 0349630005SA	Trip Blank Field ID: KAFB-TB-01-040494 Lab ID: 0349630001TB	Equipment Blank Field ID: KAFB-EB-219-04049 Lab ID: 0349630002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	13.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	8.8000	0.0050	35.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	22.0000	0.0050	123.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	18.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	22.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	18.0000	0.0050	7.6900	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		0.0000 ND	98.0000 %	99.0000 %	96.0000 %	95.0000 %		
1,2-DICHLOROPROPANE	13.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		150.0000 %	108.0000 %	101.0000 %	104.0000 %	104.0000 %		
2-CHLOROETHYL VINYL ETHER	N/A	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
2-HEXANONE	44.0000	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ACETONE	44.0000	0.1000	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	18.0000 =	19.0000		
BENZENE	8.8000	0.0050	24.1000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	8.8000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMOFORM	22.0000	0.0050	88.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMOMETHANE	18.0000	0.0100	32.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CARBON DISULFIDE	22.0000	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	13.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROBENZENE	8.8000	N/A	2160.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROETHANE	44.0000	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROFORM	8.8000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROMETHANE	26.0000	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	18.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ETHYLBENZENE	8.8000	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	44.0000	0.1000	48000.00	0.0000 ND	0.0000 ND	0.0540	0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	44.0000	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	13.0000	0.0050	93.3000	0.0000 ND	0.0000 ND	0.0018 TR	0.0000 ND	0.0000 ND		
STYRENE	22.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	13.0000	0.0050	800.0000	7200.0000	81.0000	0.0036	0.0000 ND	0.0000 ND		
TOLUENE	22.0000	0.0050	16000.00	770.0000	50.0000	0.0000 ND	0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		135.0000 %	103.0000 %	97.0000 %	100.0000 %	101.0000 %		
TRICHLOROETHYLENE (TCE)	13.0000	0.0050	63.6000	120.0000	11.0000	0.0000 ND	0.0000 ND	0.0000 ND		
VINYL ACETATE	31.0000	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
VINYL CHLORIDE	18.0000	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
XYLENES, TOTAL	22.0000	0.0050	160000.0	17.0000 TR	4.3000	0.0052	0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	22.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	22.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	13.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-04-0709 Lab ID: P270027	Field ID: KAFB-219-04-1214 Lab ID: P270028	Field ID: KAFB-219-04-2224 Lab ID: P270029	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID: P271544
1,2,4-TRICHLOROBENZENE	400.0000	0.7000	800.0000	0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
1,2-DICHLOROBENZENE	400.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
1,3-DICHLOROBENZENE	460.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
1,4-DICHLOROBENZENE	460.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
2,4,5-TRICHLOROPHENOL	540.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		74.0000	91.0000	63.0000				75.0000
2,4,6-TRICHLOROPHENOL	340.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
2,4-DICHLOROPHENOL	260.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
2,4-DIMETHYLPHENOL	400.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
2,4-DINITROPHENOL	600.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
2,4-DINITROTOLUENE	400.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
2,6-DINITROTOLUENE	460.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
2-CHLORONAPHTHALENE	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
2-CHLOROPHENOL	260.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		42.0000	39.0000	43.0000				40.0000
2-FLUOROPHENOL	N/A	N/A		86.0000	88.0000	83.0000				70.0000
2-METHYLNAPHTHALENE	260.0000	0.7000	3200.000	2400.0000	1400.0000	0.0000 ND				0.0000 ND
2-METHYLPHENOL (o-CRESOL)	340.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
2-NITROANILINE	340.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
2-NITROPHENOL	260.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
3,3'-DICHLOROBENZIDINE	200.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
3-NITROANILINE	340.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	400.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
4-BROMOPHENYL PHENYL ETHER	460.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
4-CHLORO-3-METHYLPHENOL	400.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
4-CHLOROANILINE	260.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	400.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
4-METHYLPHENOL (p-CRESOL)	260.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
4-NITROANILINE	340.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
4-NITROPHENOL	340.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
ACENAPHTHENE	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
ACENAPHTHYLENE	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
ANTHRACENE	400.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
BENZO(a)ANTHRACENE	400.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
BENZO(a)PYRENE	400.0000	0.7000	959.0000	0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
BENZO(b)FLUORANTHENE	600.0000	0.7000	95.9000	0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
BENZO(g,h,i)PERYLENE	540.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
BENZO(k)FLUORANTHENE	600.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
BENZOIC ACID	1140.000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
BENZYL ALCOHOL	200.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
BENZYL BUTYL PHTHALATE	540.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-04-0709 Lab ID: P270027	Field ID: KAFB-219-04-1214 Lab ID: P270028	Field ID: KAFB-219-04-2224 Lab ID: P270029	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID: P271544
CHRYSENE	400.0000	0.7000	9.5900	0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
DI-n-BUTYL PHTHALATE	400.0000	0.7000	8000.000	600.0000	530.0000	450.0000				0.0000 ND
DI-n-OCTYLPHTHALATE	600.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
DIBENZ(a,h)ANTHRACENE	540.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
DIBENZOFURAN	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
DIETHYL PHTHALATE	460.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
DIMETHYL PHTHALATE	460.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
FLUORANTHENE	460.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
FLUORENE	340.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
HEXACHLOROBENZENE	400.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
HEXACHLOROBUTADIENE	460.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
HEXACHLOROCYCLOPENTADIENE	540.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
HEXACHLOROETHANE	540.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
INDENO(1,2,3-c,d)PYRENE	540.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
ISOPHORONE	340.0000	0.7000	7370.000	0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
N-NITROSODI-n-PROPYLAMINE	260.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
N-NITROSODIPHENYLAMINE	460.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
NAPHTHALENE	340.0000	0.7000	3200.000	4400.0000	4700.0000	620.0000				0.0000 ND
NITROBENZENE	260.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
NITROBENZENE-D5	N/A	0.7000		40.0000	35.0000	41.0000				42.0000
PENTACHLOROPHENOL	460.0000	3.3000	5.8300	0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
PHENANTHRENE	460.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
PHENOL	260.0000	0.3000	48000.00	3600.0000	0.0000 ND	0.0000 ND				0.0000 ND
PHENOL-D5	N/A	N/A		64.0000	49.0000	81.0000				77.0000
PYRENE	460.0000	0.7000	2400.000	0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
TERPHENYL-D14	N/A	N/A		56.0000	54.0000	46.0000				52.0000
bis(2-CHLOROETHOXY) METHANE	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	260.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	1340.000	0.7000	50.0000	5200.0000	3900.0000	0.0000 ND				0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-04-0709 Lab ID: P270027	Field ID: KAFB-219-04-1214 Lab ID: P270028	Field ID: Lab ID: P270028	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.6000	8.3000					
pH	N/A	N/A		8.0000						

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg 481
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-05-0711 Lab ID: 0349630006SA	Field ID: KAFB-219-99-0711 Lab ID: 0349630006SA	Field ID: KAFB-219-05-1215 Lab ID: 0349630008SA	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		14.0000	13.0000	2.4000				
MOISTURE, PERCENT	0.1000	N/A		4.3000						

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-05-0711 Lab ID: P270030	Field ID: KAFB-219-99-0711 Lab ID: P270030	Field ID: KAFB-219-05-1215 Lab ID: P270032	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID: P271484
ALUMINUM	2.0000	50.0000		9800.0000	10400.0000	8460.0000				0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
BARIUM	0.2000	2.0000	5600.000	62.5000	385.0000	101.0000				0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.5600	0.5800	0.5500				0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.6700	0.0000 ND	0.0000 ND				0.0000 ND
CALCIUM	2.0000	10.0000		15200.0000	86400.0000	8260.0000				0.0000 ND
CHROMIUM, TOTAL	1.0000	7.0000		10.5000	9.0000	11.1000				0.0000 ND
COBALT	1.0000	7.0000		7.8000	5.6000	6.2000				0.0000 ND
COPPER	0.1000	6.0000		50.3000	41.9000	63.7000				0.0000 ND
IRON	0.8000	7.0000		16200.0000	12100.0000	14800.0000				0.0000 ND
LEAD	3.0000	50.0000	400.0000	8.4000	5.9000	6.0000				0.0000 ND
MAGNESIUM	3.0000	30.0000		4890.0000	5900.0000	4250.0000				0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	406.0000	177.0000	295.0000				0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
NICKEL	3.0000	15.0000	1600.000	10.2000	9.4000	46.5000				0.0000 ND
POTASSIUM	20.0000	500.0000		1890.0000	1940.0000	1840.0000				0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
SODIUM	3.0000	30.0000		149.0000	124.0000	107.0000				5.9000
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	42.8000	34.1000	34.6000				0.0000 ND
ZINC	0.7000	2.0000	24000.00	56.1000	42.1000	58.5000				0.0000 ND
ALUMINUM	2.0000	50.0000		8540.0000						0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND						0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND						0.0000 ND
BARIUM	0.2000	2.0000	5600.000	75.6000						0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.5300						0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND						0.0000 ND
CALCIUM	2.0000	10.0000		11400.0000						0.0000 ND
CHROMIUM, TOTAL	1.0000	7.0000		10.5000						0.0000 ND
COBALT	1.0000	7.0000		7.9000						0.0000 ND
COPPER	0.1000	6.0000		16.3000						0.0000 ND
IRON	0.8000	7.0000		17900.0000						0.0000 ND
LEAD	3.0000	50.0000	400.0000	6.3000						0.0000 ND
MAGNESIUM	3.0000	30.0000		4560.0000						0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	375.0000						0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND						0.0000 ND
NICKEL	3.0000	15.0000	1600.000	9.8000						0.0000 ND
POTASSIUM	20.0000	500.0000		2110.0000						0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND						0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-05-2225 Lab ID: P270033	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID: P271484
SILVER	0.3000	7.0000	400.0000	0.0000 ND						0.0000 ND
SODIUM	3.0000	30.0000		238.0000						5.9000
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND						0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	39.7000						0.0000 ND
ZINC	0.7000	2.0000	24000.00	69.5000						0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-05-0711 Lab ID: P270030	Field ID: KAFB-219-99-0711 Lab ID: P270030	Field ID: KAFB-219-05-1215 Lab ID: P270032	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID: P272660
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
MERCURY	0.1000	0.1000		0.0000 ND						0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-05-0711 Lab ID:	Field ID: KAFB-219-99-0711 Lab ID:	Field ID: KAFB-219-05-1215 Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
GASOLINE COMPONENTS	100.0000	1.0000		15000.0000	87000.0000	70000.0000				
GASOLINE COMPONENTS	100.0000	1.0000		14000.0000						

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-05-0711 Lab ID: P270030	Field ID: KAFB-219-99-0711 Lab ID: P270030	Field ID: KAFB-219-05-1215 Lab ID: P270032	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID: P277083
DIESEL COMPONENTS	7000.000	10.0000		8100000.0000	3000000.0000	3000000.0000				0.0000
PENTACOSANE	N/A	N/A		0.0000	0.0000	0.0000				0.0000
DIESEL COMPONENTS	14000.00	10.0000		4700000.0000						0.0000 ND
PENTACOSANE	N/A	N/A		0.0000						2790.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-05-0711 Lab ID: 0349630006SA	Field ID: KAFB-219-99-0711 Lab ID: 0349630006SA	Field ID: KAFB-219-05-1215 Lab ID: 0349630008SA	Trip Blank Field ID: KAFB-TB-01-040494 Lab ID: 0349630001TB	Equipment Blank Field ID: KAFB-EB-219-04049 Lab ID: 0349630002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.7000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.4700	0.0050	35.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	1.2000	0.0050	123.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.9300	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	1.2000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.9300	0.0050	7.6900	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		119.0000 %	117.0000 %	106.0000 %	96.0000 %	95.0000 %		
1,2-DICHLOROPROPANE	0.7000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		122.0000 %	120.0000 %	95.0000 %	104.0000 %	104.0000 %		
2-CHLOROETHYL VINYL ETHER	N/A	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
2-HEXANONE	2.3000	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ACETONE	2.3000	0.1000	8000.000	2.0000 TR	0.0000 ND	0.0000 ND	18.0000 =	19.0000		
BENZENE	0.4700	0.0050	24.1000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.4700	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMOFORM	1.2000	0.0050	88.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMOMETHANE	0.9300	0.0100	32.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CARBON DISULFIDE	1.2000	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.7000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.4700	N/A	2160.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROETHANE	2.3000	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROFORM	0.4700	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROMETHANE	1.4000	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.9300	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.4700	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	2.3000	0.1000	48000.00	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	2.3000	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.7000	0.0050	93.3000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
STYRENE	1.2000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.7000	0.0050	800.0000	45.0000	41.0000	1.3000	0.0000 ND	0.0000 ND		
TOLUENE	1.2000	0.0050	16000.00	6.1000	5.8000	5.4000	0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		121.0000 %	120.0000 %	112.0000 %	100.0000 %	101.0000 %		
TRICHLOROETHYLENE (TCE)	0.7000	0.0050	63.6000	3.1000	3.8000	1.2000	0.0000 ND	0.0000 ND		
VINYL ACETATE	1.6000	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.9300	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
XYLENES, TOTAL	1.2000	0.0050	160000.0	0.0000 ND	0.0000 ND	0.6700	0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	1.2000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	1.2000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.7000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,1-TRICHLOROETHANE	0.3100	0.0050		0.0000 ND			0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.2100	0.0050	35.0000	0.0000 ND			0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.5200	0.0050	123.0000	0.0000 ND			0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-05-2225 Lab ID: 0349630009SA	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-040494 Lab ID: 0349630001TB	Equipment Blank Field ID: KAFB-EB-219-04049 Lab ID: 0349630002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1-DICHLOROETHANE	0.4200	0.0050		0.0000 ND			0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.5200	0.0050		0.0000 ND			0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.4200	0.0050	7.6900	0.0000 ND			0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		106.0000 %			96.0000 %	95.0000 %		
1,2-DICHLOROPROPANE	0.3100	0.0050		0.0000 ND			0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		100.0000 %			104.0000 %	104.0000 %		
2-CHLOROETHYL VINYL ETHER	N/A	0.0100		0.0000 ND			0.0000 ND	0.0000 ND		
2-HEXANONE	1.0000	0.0500		0.0000 ND			0.0000 ND	0.0000 ND		
ACETONE	1.0000	0.1000	8000.000	0.0000 ND			18.0000 =	19.0000		
BENZENE	0.2100	0.0050	24.1000	0.0000 ND			0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.2100	0.0050		0.0000 ND			0.0000 ND	0.0000 ND		
BROMOFORM	0.5200	0.0050	88.6000	0.0000 ND			0.0000 ND	0.0000 ND		
BROMOMETHANE	0.4200	0.0100	32.0000	0.0000 ND			0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.5200	0.0050	8000.000	0.0000 ND			0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.3100	0.0050		0.0000 ND			0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.2100	N/A	2160.000	0.0000 ND			0.0000 ND	0.0000 ND		
CHLOROETHANE	1.0000	0.0100		0.0000 ND			0.0000 ND	0.0000 ND		
CHLOROFORM	0.2100	0.0050		0.0000 ND			0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.6300	0.0100		0.0000 ND			0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.4200	0.0050		0.0000 ND			0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.2100	0.0050	8000.000	0.0000 ND			0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	1.0000	0.1000	48000.00	0.0000 ND			0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	1.0000	0.0500		0.0000 ND			0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.3100	0.0050	93.3000	0.0000 ND			0.0000 ND	0.0000 ND		
STYRENE	0.5200	0.0050		0.0000 ND			0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.3100	0.0050	800.0000	6.4000			0.0000 ND	0.0000 ND		
TOLUENE	0.5200	0.0050	16000.00	1.9000			0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		111.0000 %			100.0000 %	101.0000 %		
TRICHLOROETHYLENE (TCE)	0.3100	0.0050	63.6000	1.5000			0.0000 ND	0.0000 ND		
VINYL ACETATE	0.7300	0.0500		0.0000 ND			0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.4200	0.0100		0.0000 ND			0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.5200	0.0050	160000.0	0.2000 TR			0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.5200	0.0050		0.0000 ND			0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.5200	0.0050		0.0000 ND			0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.3100	0.0050		0.0000 ND			0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-05-0711 Lab ID: P270030	Field ID: KAFB-219-99-0711 Lab ID: P270030	Field ID: KAFB-219-05-1215 Lab ID: P270032	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID: P271544
1,2,4-TRICHLOROBENZENE	4000.000	0.7000	800.0000	0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
1,2-DICHLOROBENZENE	4000.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
1,3-DICHLOROBENZENE	4600.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
1,4-DICHLOROBENZENE	4600.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
2,4,5-TRICHLOROPHENOL	5400.000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		0.0000	0.0000	0.0000				75.0000
2,4,6-TRICHLOROPHENOL	3400.000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
2,4-DICHLOROPHENOL	2600.000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
2,4-DIMETHYLPHENOL	4000.000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
2,4-DINITROPHENOL	6000.000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
2,4-DINITROTOLUENE	4000.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
2,6-DINITROTOLUENE	4600.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
2-CHLORONAPHTHALENE	3400.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
2-CHLOROPHENOL	2600.000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		0.0000	0.0000	0.0000				40.0000
2-FLUOROPHENOL	N/A	N/A		0.0000	0.0000	0.0000				70.0000
2-METHYLNAPHTHALENE	2600.000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
2-METHYLPHENOL (o-CRESOL)	3400.000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
2-NITROANILINE	3400.000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
2-NITROPHENOL	2600.000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
3,3'-DICHLOROBENZIDINE	2000.000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
3-NITROANILINE	3400.000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	4000.000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
4-BROMOPHENYL PHENYL ETHER	4600.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
4-CHLORO-3-METHYLPHENOL	4000.000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
4-CHLOROANILINE	2600.000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	4000.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
4-METHYLPHENOL (p-CRESOL)	2600.000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
4-NITROANILINE	3400.000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
4-NITROPHENOL	3400.000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
ACENAPHTHENE	3400.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
ACENAPHTHYLENE	3400.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
ANTHRACENE	4000.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
BENZO(a)ANTHRACENE	4000.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
BENZO(a)PYRENE	4000.000	0.7000	959.0000	0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
BENZO(b)FLUORANTHENE	6000.000	0.7000	95.9000	0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
BENZO(g,h,i)PERYLENE	5400.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
BENZO(k)FLUORANTHENE	6000.000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
BENZOIC ACID	11400.00	1.6000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
BENZYL ALCOHOL	2000.000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
BENZYL BUTYL PHTHALATE	5400.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

ANALYTCAL DATA SUMMARY

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-05-0711 Lab ID: P270030	Field ID: KAFB-219-99-0711 Lab ID: P270030	Field ID: KAFB-219-05-1215 Lab ID: P270032	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID: P271544
CHRYSENE	4000.000	0.7000	9.5900	0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
DI-n-BUTYL PHTHALATE	4000.000	0.7000	8000.000	0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
DI-n-OCTYLPHTHALATE	6000.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
DIBENZ(a,h)ANTHRACENE	5400.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
DIBENZOFURAN	3400.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
DIETHYL PHTHALATE	4600.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
DIMETHYL PHTHALATE	4600.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
FLUORANTHENE	4600.000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
FLUORENE	3400.000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
HEXACHLOROBENZENE	4000.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
HEXACHLOROBUTADIENE	4600.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
HEXACHLOROCYCLOPENTADIENE	5400.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
HEXACHLOROETHANE	5400.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
INDENO(1,2,3-c,d)PYRENE	5400.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
ISOPHORONE	3400.000	0.7000	7370.000	0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
N-NITROSODI-n-PROPYLAMINE	2600.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
N-NITROSODIPHENYLAMINE	4600.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
NAPHTHALENE	3400.000	0.7000	3200.000	18000.0000	9900.0000	10000.0000				0.0000 ND
NITROBENZENE	2600.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
NITROBENZENE-D5	N/A	0.7000		0.0000	0.0000	0.0000				42.0000
PENTACHLOROPHENOL	4600.000	3.3000	5.8300	0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
PHENANTHRENE	4600.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
PHENOL	2600.000	0.3000	48000.00	0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
PHENOL-D5	N/A	N/A		0.0000	0.0000	0.0000				77.0000
PYRENE	4600.000	0.7000	2400.000	0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
TERPHENYL-D14	N/A	N/A		0.0000	0.0000	0.0000				52.0000
bis(2-CHLOROETHOXY) METHANE	3400.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	2600.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	2000.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	13400.00	0.7000	50.0000	0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
1,2,4-TRICHLOROBENZENE	4000.000	0.7000	800.0000	0.0000 ND						0.0000 ND
1,2-DICHLOROBENZENE	4000.000	0.7000		0.0000 ND						0.0000 ND
1,3-DICHLOROBENZENE	4600.000	0.7000		0.0000 ND						0.0000 ND
1,4-DICHLOROBENZENE	4600.000	0.7000		0.0000 ND						0.0000 ND
2,4,5-TRICHLOROPHENOL	5400.000	3.3000		0.0000 ND						0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		0.0000						75.0000
2,4,6-TRICHLOROPHENOL	3400.000	0.3000		0.0000 ND						0.0000 ND
2,4-DICHLOROPHENOL	2600.000	0.3000		0.0000 ND						0.0000 ND
2,4-DIMETHYLPHENOL	4000.000	0.3000		0.0000 ND						0.0000 ND
2,4-DINITROPHENOL	6000.000	3.3000		0.0000 ND						0.0000 ND
2,4-DINITROTOLUENE	4000.000	0.7000		0.0000 ND						0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-05-2225 Lab ID: P270033	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID: P271544
2,6-DINITROTOLUENE	4600.000	0.7000		0.0000 ND						0.0000 ND
2-CHLORONAPHTHALENE	3400.000	0.7000		0.0000 ND						0.0000 ND
2-CHLOROPHENOL	2600.000	0.3000		0.0000 ND						0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		0.0000						40.0000
2-FLUOROPHENOL	N/A	N/A		0.0000						70.0000
2-METHYLNAPHTHALENE	2600.000	0.7000	3200.000	0.0000 ND						0.0000 ND
2-METHYLPHENOL (o-CRESOL)	3400.000	0.3000		0.0000 ND						0.0000 ND
2-NITROANILINE	3400.000	3.3000		0.0000 ND						0.0000 ND
2-NITROPHENOL	2600.000	0.3000		0.0000 ND						0.0000 ND
3,3'-DICHLOROBENZIDINE	2000.000	1.3000		0.0000 ND						0.0000 ND
3-NITROANILINE	3400.000	3.3000		0.0000 ND						0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	4000.000	3.3000		0.0000 ND						0.0000 ND
4-BROMOPHENYL PHENYL ETHER	4600.000	0.7000		0.0000 ND						0.0000 ND
4-CHLORO-3-METHYLPHENOL	4000.000	1.3000		0.0000 ND						0.0000 ND
4-CHLOROANILINE	2600.000	1.3000		0.0000 ND						0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	4000.000	0.7000		0.0000 ND						0.0000 ND
4-METHYLPHENOL (p-CRESOL)	2600.000	0.3000		0.0000 ND						0.0000 ND
4-NITROANILINE	3400.000	3.3000		0.0000 ND						0.0000 ND
4-NITROPHENOL	3400.000	1.6000		0.0000 ND						0.0000 ND
ACENAPHTHENE	3400.000	0.7000		0.0000 ND						0.0000 ND
ACENAPHTHYLENE	3400.000	0.7000		0.0000 ND						0.0000 ND
ANTHRACENE	4000.000	0.7000		0.0000 ND						0.0000 ND
BENZO(a)ANTHRACENE	4000.000	0.7000		0.0000 ND						0.0000 ND
BENZO(a)PYRENE	4000.000	0.7000	959.0000	0.0000 ND						0.0000 ND
BENZO(b)FLUORANTHENE	6000.000	0.7000	95.9000	0.0000 ND						0.0000 ND
BENZO(g,h,i)PERYLENE	5400.000	0.7000		0.0000 ND						0.0000 ND
BENZO(k)FLUORANTHENE	6000.000	N/A		0.0000 ND				0.0000 ND		0.0000
BENZOIC ACID	11400.00	1.6000		0.0000 ND						0.0000 ND
BENZYL ALCOHOL	2000.000	1.3000		0.0000 ND						0.0000 ND
BENZYL BUTYL PHTHALATE	5400.000	0.7000		0.0000 ND						0.0000 ND
CHRYSENE	4000.000	0.7000	9.5900	0.0000 ND						0.0000 ND
DI-n-BUTYL PHTHALATE	4000.000	0.7000	8000.000	0.0000 ND						0.0000 ND
DI-n-OCTYLPHTHALATE	6000.000	0.7000		0.0000 ND						0.0000 ND
DIBENZ(a,h)ANTHRACENE	5400.000	0.7000		0.0000 ND						0.0000 ND
DIBENZOFURAN	3400.000	0.7000		0.0000 ND						0.0000 ND
DIETHYL PHTHALATE	4600.000	0.7000		0.0000 ND						0.0000 ND
DIMETHYL PHTHALATE	4600.000	0.7000		0.0000 ND						0.0000 ND
FLUORANTHENE	4600.000	0.7000	3360.000	0.0000 ND						0.0000 ND
FLUORENE	3400.000	0.7000	3360.000	0.0000 ND						0.0000 ND
HEXACHLOROBENZENE	4000.000	0.7000		0.0000 ND						0.0000 ND
HEXACHLOROBUTADIENE	4600.000	0.7000		0.0000 ND						0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-05-2225 Lab ID: P270033	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID: P271544
HEXACHLOROCYCLOPENTADIENE	5400.000	0.7000		0.0000 ND						0.0000 ND
HEXACHLOROETHANE	5400.000	0.7000		0.0000 ND						0.0000 ND
INDENO(1,2,3-c,d)PYRENE	5400.000	0.7000		0.0000 ND						0.0000 ND
ISOPHORONE	3400.000	0.7000	7370.000	0.0000 ND						0.0000 ND
N-NITROSODI-n-PROPYLAMINE	2600.000	0.7000		0.0000 ND						0.0000 ND
N-NITROSODIPHENYLAMINE	4600.000	0.7000		0.0000 ND						0.0000 ND
NAPHTHALENE	3400.000	0.7000	3200.000	19000.0000						0.0000 ND
NITROBENZENE	2600.000	0.7000		0.0000 ND						0.0000 ND
NITROBENZENE-D5	N/A	0.7000		0.0000						42.0000
PENTACHLOROPHENOL	4600.000	3.3000	5.8300	0.0000 ND						0.0000 ND
PHENANTHRENE	4600.000	0.7000		0.0000 ND						0.0000 ND
PHENOL	2600.000	0.3000	48000.00	0.0000 ND						0.0000 ND
PHENOL-D5	N/A	N/A		0.0000						77.0000
PYRENE	4600.000	0.7000	2400.000	0.0000 ND						0.0000 ND
TERPHENYL-D14	N/A	N/A		0.0000						52.0000
bis(2-CHLOROETHOXY) METHANE	3400.000	0.7000		0.0000 ND						0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	2600.000	0.7000		0.0000 ND						0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	2000.000	0.7000		0.0000 ND				0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	13400.00	0.7000	50.0000	0.0000 ND						0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-05-0711 Lab ID: P270030	Field ID: KAFB-219-99-0711 Lab ID: P270030	Field ID: KAFB-219-05-1215 Lab ID: P270032	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.3000	8.7000	8.3000				
pH	N/A	N/A		8.2000						

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-06-0709 Lab ID: 0362490016RA	Field ID: KAFB-219-06-1214 Lab ID: 0362490017RA	Field ID: KAFB-219-06-2426 Lab ID: 0362490018RA	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		13.0000	8.5000	8.1000				
MOISTURE, PERCENT	0.1000	N/A		12.0000	23.0000					
MOISTURE, PERCENT	0.1000	N/A		2.7000	7.7000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-06-0709 Lab ID: 0362490016SA	Field ID: KAFB-219-06-1214 Lab ID: 0362490017SA	Field ID: KAFB-219-06-2426 Lab ID: 0362490018SA	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-219-06169 Lab ID: 0362490015EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		0.0000	0.0000	0.0000		96.0000 %		
BENZENE	1.4000	N/A	24.1000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ETHYLBENZENE	1.4000	N/A	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
GASOLINE COMPONENTS	29.0000	N/A		340.0000	270.0000	130.0000		5.1000 TR		
TOLUENE	1.4000	N/A	16000.00	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
XYLENES, TOTAL	1.4000	N/A	160000.0	6.1000	4.0000	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		124.0000 %	0.0000	129.0000 %		96.0000 %		
BENZENE	0.5700	N/A	24.1000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.5700	N/A	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
GASOLINE COMPONENTS	11.0000	N/A		37.0000	300.0000	29.0000		5.1000 TR		
TOLUENE	0.5700	N/A	16000.00	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.5700	N/A	160000.0	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		119.0000 %				96.0000 %		
BENZENE	0.5400	N/A	24.1000	0.0000 ND			0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.5400	N/A	8000.000	0.0000 ND			0.0000 ND	0.0000 ND		
GASOLINE COMPONENTS	11.0000	N/A		40.0000				5.1000 TR		
TOLUENE	0.5400	N/A	16000.00	0.0000 ND			0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.5400	N/A	160000.0	0.0000 ND			0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-06-0709 Lab ID: P276652	Field ID: KAFB-219-06-1214 Lab ID: P276653	Field ID: KAFB-219-06-2426 Lab ID: P276654	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID: P278446
ALUMINUM	2.0000	50.0000		12600.0000	8320.0000	10200.0000				0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND	0.0000 ND				0.0000
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND	0.0000 ND				0.0000
BARIUM	0.2000	2.0000	5600.000	76.5000	123.0000	68.2000				0.0000
BERYLLIUM	0.2000	0.3000	16.3000	0.6800	0.5500	0.7800				0.0000
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND	0.0000 ND				0.0000
CALCIUM	2.0000	10.0000		47000.0000	5270.0000	19700.0000				0.0000
CHROMIUM, TOTAL	1.0000	7.0000		10.6000	8.4000	10.4000				0.0000
COBALT	1.0000	7.0000		6.8000	6.3000	6.4000				0.0000
COPPER	0.1000	6.0000		106.0000	74.5000	143.0000				0.0000
IRON	0.8000	7.0000		15500.0000	16100.0000	12800.0000				0.0000
LEAD	3.0000	50.0000	400.0000	7.5000	11.0000	10.2000				0.0000 ND
MAGNESIUM	3.0000	30.0000		6230.0000	4440.0000	4240.0000				0.0000
MANGANESE	0.3000	2.0000	400.0000	293.0000	209.0000	267.0000				0.0000
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND				0.0000
NICKEL	3.0000	15.0000	1600.000	9.0000	6.7000	10.0000				0.0000
POTASSIUM	20.0000	500.0000		2120.0000	1670.0000	1770.0000				0.0000
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND				0.0000
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND	0.3400				0.0000
SODIUM	3.0000	30.0000		142.0000	101.0000	271.0000				0.0000
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND	0.0000 ND				0.0000
VANADIUM	0.4000	8.0000	720.0000	44.9000	40.3000	28.3000				0.0000
ZINC	0.7000	2.0000	24000.00	50.3000	51.3000	76.5000				0.0000 ND
ALUMINUM	2.0000	50.0000		23000.0000	11900.0000	3480.0000				
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND	0.0000 ND				
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND	0.0000 ND				
BARIUM	0.2000	2.0000	5600.000	146.0000	331.0000	45.8000				
BERYLLIUM	0.2000	0.3000	16.3000	1.4000	1.3000	0.4200				
CADMIUM	0.5000	4.0000	40.0000	1.3000	0.0000 ND	0.0000 ND				
CALCIUM	2.0000	10.0000		81300.0000	14500.0000	7810.0000				
CHROMIUM, TOTAL	1.0000	7.0000		20.8000	8.4000	5.0000				
COBALT	1.0000	7.0000		10.7000	7.4000	3.1000				
COPPER	0.1000	6.0000		70.1000	104.0000	240.0000				
IRON	0.8000	7.0000		22800.0000	15100.0000	6920.0000				
LEAD	3.0000	50.0000	400.0000	15.4000	12.8000	0.0000 ND				
MAGNESIUM	3.0000	30.0000		8660.0000	4820.0000	1450.0000				
MANGANESE	0.3000	2.0000	400.0000	688.0000	287.0000	143.0000				
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND				
NICKEL	3.0000	15.0000	1600.000	19.7000	15.3000	0.0000 ND				
POTASSIUM	20.0000	500.0000		4150.0000	1960.0000	686.0000				
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND				

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-06-3234 Lab ID: P276655	Field ID: KAFB-219-06-4244 Lab ID: P276656	Field ID: KAFB-219-06-5254 Lab ID: P276657	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND	0.4200				
SODIUM	3.0000	30.0000		488.0000	422.0000	168.0000				
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND	0.0000 ND				
VANADIUM	0.4000	8.0000	720.0000	46.6000	22.9000	11.2000				
ZINC	0.7000	2.0000	24000.00	77.6000	71.8000	98.7000				
ALUMINUM	2.0000	50.0000		3090.0000						
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND						
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND						
BARIUM	0.2000	2.0000	5600.000	54.8000						
BERYLLIUM	0.2000	0.3000	16.3000	0.3200						
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND						
CALCIUM	2.0000	10.0000		1100.0000						
CHROMIUM, TOTAL	1.0000	7.0000		4.2000						
COBALT	1.0000	7.0000		4.3000						
COPPER	0.1000	6.0000		432.0000						
IRON	0.8000	7.0000		5520.0000						
LEAD	3.0000	50.0000	400.0000	0.0000 ND						
MAGNESIUM	3.0000	30.0000		1150.0000						
MANGANESE	0.3000	2.0000	400.0000	91.9000						
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND						
NICKEL	3.0000	15.0000	1600.000	10.8000						
POTASSIUM	20.0000	500.0000		529.0000						
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND						
SILVER	0.3000	7.0000	400.0000	0.0000 ND						
SODIUM	3.0000	30.0000		180.0000						
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND						
VANADIUM	0.4000	8.0000	720.0000	9.0000						
ZINC	0.7000	2.0000	24000.00	160.0000						

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-06-0709 Lab ID: P276652	Field ID: KAFB-219-06-1214 Lab ID: P276653	Field ID: KAFB-219-06-2426 Lab ID: P276654	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID: P278539
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND	0.0000 ND				0.0000 ND
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND	0.0000 ND				
MERCURY	0.1000	0.1000		0.0000 ND						

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-06-0709 Lab ID: P276652	Field ID: KAFB-219-06-1214 Lab ID: P276653	Field ID: KAFB-219-06-2426 Lab ID: P276654	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID: P278212
DIESEL COMPONENTS	1400.000	10.0000		5300000.0000	2500000.0000	3500000.0000				0.0000 ND
PENTACOSANE	N/A	N/A		0.0000	0.0000	0.0000				4880.0000
DIESEL COMPONENTS	700.0000	10.0000		160000.0000	19000000.0000	1700000.0000				0.0000 ND
PENTACOSANE	N/A	N/A		3930.0000	0.0000	0.0000				4880.0000
DIESEL COMPONENTS	7000.000	10.0000		2100000.0000						0.0000 ND
PENTACOSANE	N/A	N/A		0.0000						4880.0000

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

ANALYTCAL DATA SUMMARY

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-06-0709 Lab ID: 0362490016RA	Field ID: KAFB-219-06-1214 Lab ID: 0362490017RA	Field ID: KAFB-219-06-2426 Lab ID: 0362490018RA	Trip Blank Field ID: KAFB-TB-01-061694 Lab ID: 0362490014TB	Equipment Blank Field ID: KAFB-EB-219-06169 Lab ID: 0362490015EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.3500	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.2300	0.0050	35.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.5800	0.0050	123.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.4600	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.5800	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.4600	0.0050	7.6900	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		67.0000 %	70.0000 %	95.0000 %	107.0000 %	105.0000 %		
1,2-DICHLOROPROPANE	0.3500	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		92.0000 %	96.0000 %	100.0000 %	98.0000 %	99.0000 %		
2-CHLOROETHYL VINYL ETHER	N/A	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
2-HEXANONE	1.2000	0.0500		1.5000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ACETONE	1.2000	0.1000	8000.000	0.0000 ND	0.1600 TR	0.0000 ND	6.1000 TR	10.0000		
BENZENE	0.2300	0.0050	24.1000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.2300	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMOFORM	0.5800	0.0050	88.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMOMETHANE	0.4600	0.0100	32.0000	0.2100 TR	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.5800	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.3500	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.2300	N/A	2160.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROETHANE	1.2000	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROFORM	0.2300	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.6900	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.4600	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.2300	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	1.2000	0.1000	48000.00	0.4000 TR	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	1.2000	0.0500		0.4300 TR	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.3500	0.0050	93.3000	0.3100 TR	0.2600 TR	0.2500 TR	0.0000 ND	0.0000 ND		
STYRENE	0.5800	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.3500	0.0050	800.0000	16.0000	2.6000	15.0000	0.0000 ND	0.0000 ND		
TOLUENE	0.5800	0.0050	16000.00	3.8000	2.1000	2.5000	0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		91.0000 %	91.0000 %	99.0000 %	104.0000 %	103.0000 %		
TRICHLOROETHYLENE (TCE)	0.3500	0.0050	63.6000	3.1000	0.5200	1.0000	0.0000 ND	0.0000 ND		
VINYL ACETATE	0.8100	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.4600	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.5800	0.0050	160000.0	0.3400 TR	0.0000 ND	0.4600 TR	0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.5800	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.5800	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.3500	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,1-TRICHLOROETHANE	0.3400	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.2300	0.0050	35.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.5700	0.0050	123.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-06-3234 Lab ID: 0362490019RA	Field ID: KAFB-219-06-4244 Lab ID: 0362490020RA	Field ID: KAFB-219-06-5254 Lab ID: 0362490021SA	Trip Blank Field ID: KAFB-TB-01-061694 Lab ID: 0362490014TB	Equipment Blank Field ID: KAFB-EB-219-06169 Lab ID: 0362490015EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1-DICHLOROETHANE	0.4600	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.5700	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.4600	0.0050	7.6900	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		75.0000 %	90.0000 %	95.0000 %	107.0000 %	105.0000 %		
1,2-DICHLOROPROPANE	0.3400	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		105.0000 %	105.0000 %	98.0000 %	98.0000 %	99.0000 %		
2-CHLOROETHYL VINYL ETHER	N/A	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
2-HEXANONE	1.1000	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ACETONE	1.1000	0.1000	8000.000	3.4000	0.0000 ND	0.0450 TR	6.1000 TR	10.0000		
BENZENE	0.2300	0.0050	24.1000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.2300	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMOFORM	0.5700	0.0050	88.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMOMETHANE	0.4600	0.0100	32.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.5700	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.3400	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.2300	N/A	2160.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROETHANE	1.1000	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROFORM	0.2300	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.6900	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.4600	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.2300	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	1.1000	0.1000	48000.00	0.2900 TR	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	1.1000	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.3400	0.0050	93.3000	0.2200 TR	0.3800 TR	0.1100	0.0000 ND	0.0000 ND		
STYRENE	0.5700	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.3400	0.0050	800.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TOLUENE	0.5700	0.0050	16000.00	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		101.0000 %	97.0000 %	104.0000 %	104.0000 %	103.0000 %		
TRICHLOROETHYLENE (TCE)	0.3400	0.0050	63.6000	0.0000 ND	0.2600 TR	0.0000 ND	0.0000 ND	0.0000 ND		
VINYL ACETATE	0.8000	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.4600	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.5700	0.0050	160000.0	0.0000 ND	0.1400 TR	0.0000 ND	0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.5700	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.5700	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.3400	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,1-TRICHLOROETHANE	0.3200	0.0050		0.0000 ND			0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.2200	0.0050	35.0000	0.0000 ND			0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.5400	0.0050	123.0000	0.0000 ND			0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.4300	0.0050		0.0000 ND			0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.5400	0.0050		0.0000 ND			0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.4300	0.0050	7.6900	0.0000 ND			0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-06-7476 Lab ID: 0362490022RA	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-061694 Lab ID: 0362490014TB	Equipment Blank Field ID: KAFB-EB-219-06169 Lab ID: 0362490015EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,2-DICHLOROETHANE-D4	N/A	N/A		76.0000 %			107.0000 %	105.0000 %		
1,2-DICHLOROPROPANE	0.3200	0.0050		0.0000 ND			0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		108.0000 %			98.0000 %	99.0000 %		
2-CHLOROETHYL VINYL ETHER	N/A	0.0100		0.0000 ND			0.0000 ND	0.0000 ND		
2-HEXANONE	1.1000	0.0500		0.0000 ND			0.0000 ND	0.0000 ND		
ACETONE	1.1000	0.1000	8000.000	0.0000 ND			6.1000 TR	10.0000		
BENZENE	0.2200	0.0050	24.1000	0.0000 ND			0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.2200	0.0050		0.0000 ND			0.0000 ND	0.0000 ND		
BROMOFORM	0.5400	0.0050	88.6000	0.0000 ND			0.0000 ND	0.0000 ND		
BROMOMETHANE	0.4300	0.0100	32.0000	0.0000 ND			0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.5400	0.0050	8000.000	0.0000 ND			0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.3200	0.0050		0.0000 ND			0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.2200	N/A	2160.000	0.0000 ND			0.0000 ND	0.0000 ND		
CHLOROETHANE	1.1000	0.0100		0.0000 ND			0.0000 ND	0.0000 ND		
CHLOROFORM	0.2200	0.0050		0.0000 ND			0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.6500	0.0100		0.0000 ND			0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.4300	0.0050		0.0000 ND			0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.2200	0.0050	8000.000	0.0000 ND			0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	1.1000	0.1000	48000.00	0.0000 ND			0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	1.1000	0.0500		0.0000 ND			0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.3200	0.0050	93.3000	0.3100 TR			0.0000 ND	0.0000 ND		
STYRENE	0.5400	0.0050		0.0000 ND			0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.3200	0.0050	800.0000	0.0000 ND			0.0000 ND	0.0000 ND		
TOLUENE	0.5400	0.0050	16000.00	0.0000 ND			0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		104.0000 %			104.0000 %	103.0000 %		
TRICHLOROETHYLENE (TCE)	0.3200	0.0050	63.6000	0.0000 ND			0.0000 ND	0.0000 ND		
VINYL ACETATE	0.7600	0.0500		0.0000 ND			0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.4300	0.0100		0.0000 ND			0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.5400	0.0050	160000.0	0.0000 ND			0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.5400	0.0050		0.0000 ND			0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.5400	0.0050		0.0000 ND			0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.3200	0.0050		0.0000 ND			0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-06-0709 Lab ID: P276652	Field ID: KAFB-219-06-1214 Lab ID: P276653	Field ID: KAFB-219-06-2426 Lab ID: P276654	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
1,2,4-TRICHLOROBENZENE	4000.000	0.7000	800.0000	0.0000 ND	0.0000 ND	0.0000 ND				
1,2-DICHLOROBENZENE	4000.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				
1,3-DICHLOROBENZENE	4600.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				
1,4-DICHLOROBENZENE	4600.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				
2,4,5-TRICHLOROPHENOL	5400.000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND				
2,4,6-TRIBROMOPHENOL	N/A	N/A		0.0000	0.0000	0.0000				
2,4,6-TRICHLOROPHENOL	3400.000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND				
2,4-DICHLOROPHENOL	2600.000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND				
2,4-DIMETHYLPHENOL	4000.000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND				
2,4-DINITROPHENOL	6000.000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND				
2,4-DINITROTOLUENE	4000.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				
2,6-DINITROTOLUENE	4600.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				
2-CHLORONAPHTHALENE	3400.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				
2-CHLOROPHENOL	2600.000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND				
2-FLUOROBIPHENYL	N/A	N/A		0.0000	0.0000	0.0000				
2-FLUOROPHENOL	N/A	N/A		0.0000	0.0000	0.0000				
2-METHYLNAPHTHALENE	2600.000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND				
2-METHYLPHENOL (o-CRESOL)	3400.000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND				
2-NITROANILINE	3400.000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND				
2-NITROPHENOL	2600.000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND				
3,3'-DICHLOROBENZIDINE	2000.000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND				
3-NITROANILINE	3400.000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND				
4,6-DINITRO-2-METHYLPHENOL	4000.000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND				
4-BROMOPHENYL PHENYL ETHER	4600.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				
4-CHLORO-3-METHYLPHENOL	4000.000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND				
4-CHLOROANILINE	2600.000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND				
4-CHLOROPHENYL PHENYL ETHER	4000.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				
4-METHYLPHENOL (p-CRESOL)	2600.000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND				
4-NITROANILINE	3400.000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND				
4-NITROPHENOL	3400.000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND				
ACENAPHTHENE	3400.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				
ACENAPHTHYLENE	3400.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				
ANTHRACENE	4000.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				
BENZO(a)ANTHRACENE	4000.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				
BENZO(a)PYRENE	4000.000	0.7000	959.0000	0.0000 ND	0.0000 ND	0.0000 ND				
BENZO(b)FLUORANTHENE	6000.000	0.7000	95.9000	0.0000 ND	0.0000 ND	0.0000 ND				
BENZO(g,h,i)PERYLENE	5400.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				
BENZO(k)FLUORANTHENE	6000.000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
BENZOIC ACID	11400.00	1.6000		0.0000 ND	0.0000 ND	0.0000 ND				
BENZYL ALCOHOL	2000.000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND				
BENZYL BUTYL PHTHALATE	5400.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-06-0709 Lab ID: P276652	Field ID: KAFB-219-06-1214 Lab ID: P276653	Field ID: KAFB-219-06-2426 Lab ID: P276654	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
CHRYSENE	4000.000	0.7000	9.5900	0.0000 ND	0.0000 ND	0.0000 ND				
DI-n-BUTYL PHTHALATE	4000.000	0.7000	8000.000	0.0000 ND	0.0000 ND	0.0000 ND				
DI-n-OCTYLPHTHALATE	6000.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				
DIBENZ(a,h)ANTHRACENE	5400.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				
DIBENZOFURAN	3400.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				
DIETHYL PHTHALATE	4600.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				
DIMETHYL PHTHALATE	4600.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				
FLUORANTHENE	4600.000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND				
FLUORENE	3400.000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND				
HEXACHLOROBENZENE	4600.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				
HEXACHLOROBUTADIENE	4600.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				
HEXACHLOROCYCLOPENTADIENE	5400.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				
HEXACHLOROETHANE	5400.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				
INDENO(1,2,3-c,d)PYRENE	5400.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				
ISOPHORONE	3400.000	0.7000	7370.000	0.0000 ND	0.0000 ND	0.0000 ND				
N-NITROSODI-n-PROPYLAMINE	2600.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				
N-NITROSODIPHENYLAMINE	4600.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				
NAPHTHALENE	3400.000	0.7000	3200.000	17000.0000	12000.0000	18000.0000				
NITROBENZENE	2600.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				
NITROBENZENE-D5	N/A	0.7000		0.0000	0.0000	0.0000				
PENTACHLOROPHENOL	4600.000	3.3000	5.8300	0.0000 ND	0.0000 ND	0.0000 ND				
PHENANTHRENE	4600.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				
PHENOL	2600.000	0.3000	48000.00	0.0000 ND	0.0000 ND	0.0000 ND				
PHENOL-D5	N/A	N/A		0.0000	0.0000	0.0000				
PYRENE	4600.000	0.7000	2400.000	0.0000 ND	0.0000 ND	0.0000 ND				
TERPHENYL-D14	N/A	N/A		0.0000	0.0000	0.0000				
bis(2-CHLOROETHOXY) METHANE	3400.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	2600.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				
bis(2-CHLOROISOPROPYL) ETHER	2600.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
bis(2-ETHYLHEXYL) PHTHALATE	13400.00	0.7000	50.0000	0.0000 ND	0.0000 ND	0.0000 ND				
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND	0.0000 ND				
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND				
2,4,6-TRIBROMOPHENOL	N/A	N/A		80.0000	85.0000	85.0000				
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND				
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND				
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND				
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND				
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-06-3234 Lab ID: P276655	Field ID: KAFB-219-06-4244 Lab ID: P276656	Field ID: KAFB-219-06-5254 Lab ID: P276657	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND				
2-FLUOROBIPHENYL	N/A	N/A		42.0000	46.0000	44.0000				
2-FLUOROPHENOL	N/A	N/A		75.0000	75.0000	75.0000				
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND				
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND				
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND				
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND				
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND				
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND				
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND				
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND				
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND				
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND				
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND				
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND				
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND	0.0000 ND				
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND	0.0000 ND				
BENZO(g,h,I)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND				
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND				
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND	0.0000 ND				
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	270.0000	260.0000	230.0000				
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND				
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND				
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

ANALYTCAL DATA SUMMARY

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-06-3234 Lab ID: P276655	Field ID: KAFB-219-06-4244 Lab ID: P276656	Field ID: KAFB-219-06-5254 Lab ID: P276657	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND	0.0000 ND				
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND				
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				
NITROBENZENE-D5	N/A	0.7000		44.0000	44.0000	44.0000				
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND	0.0000 ND				
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	220.0000	0.0000 ND				
PHENOL-D5	N/A	N/A		80.0000	85.0000	85.0000				
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND	0.0000 ND				
TERPHENYL-D14	N/A	N/A		49.0000	50.0000	50.0000				
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND				
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND	0.0000 ND				
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND						
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND						
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND						
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND						
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND						
2,4,6-TRIBROMOPHENOL	N/A	N/A		85.0000						
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND						
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND						
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND						
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND						
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND						
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND						
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND						
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND						
2-FLUOROBIPHENYL	N/A	N/A		43.0000						
2-FLUOROPHENOL	N/A	N/A		70.0000						
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND						
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND						
2-NITROANILINE	170.0000	3.3000		0.0000 ND						
2-NITROPHENOL	130.0000	0.3000		0.0000 ND						
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND						
3-NITROANILINE	170.0000	3.3000		0.0000 ND						

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-06-7476 Lab ID: P276658	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND						
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND						
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND						
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND						
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND						
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND						
4-NITROANILINE	170.0000	3.3000		0.0000 ND						
4-NITROPHENOL	170.0000	1.6000		0.0000 ND						
ACENAPHTHENE	170.0000	0.7000		0.0000 ND						
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND						
ANTHRACENE	200.0000	0.7000		0.0000 ND						
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND						
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND						
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND						
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND						
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND				0.0000 ND		
BENZOIC ACID	570.0000	1.6000		0.0000 ND						
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND						
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND						
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND						
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND						
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND						
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND						
DIBENZOFURAN	170.0000	0.7000		0.0000 ND						
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND						
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND						
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND						
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND						
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND						
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND						
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND						
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND						
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND						
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND						
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND						
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND						
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND						
NITROBENZENE	130.0000	0.7000		0.0000 ND						
NITROBENZENE-D5	N/A	0.7000		43.0000						
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND						
PHENANTHRENE	230.0000	0.7000		0.0000 ND						

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-06-7476 Lab ID: P276658	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
PHENOL	130.0000	0.3000	48000.00	180.0000						
PHENOL-D5	N/A	N/A		85.0000						
PYRENE	230.0000	0.7000	2400.000	0.0000 ND						
TERPHENYL-D14	N/A	N/A		49.0000						
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND						
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND						
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND						
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND				0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg 481
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-06-0709 Lab ID: P276652	Field ID: KAFB-219-06-1214 Lab ID: P276653	Field ID: KAFB-219-06-2426 Lab ID: P276654	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.0000	7.7000	8.2000				
pH	N/A	N/A		8.5000	8.3000	8.6000				
pH	N/A	N/A		8.1000						

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-06-105107 Lab ID: 0363160006SA	Field ID: Lab ID: 0363160006SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		5.4000						

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-06-105107 Lab ID: P276871	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
ALUMINUM	2.0000	50.0000		3770.0000						
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND						
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND						
BARIUM	0.2000	2.0000	5600.000	40.1000						
BERYLLIUM	0.2000	0.3000	16.3000	0.4200						
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND						
CALCIUM	2.0000	10.0000		7270.0000						
CHROMIUM, TOTAL	1.0000	7.0000		3.2000						
COBALT	1.0000	7.0000		3.6000						
COPPER	0.1000	6.0000		83.5000						
IRON	0.8000	7.0000		7000.0000						
LEAD	3.0000	50.0000	400.0000	3.6000						
MAGNESIUM	3.0000	30.0000		1440.0000						
MANGANESE	0.3000	2.0000	400.0000	123.0000						
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND						
NICKEL	3.0000	15.0000	1600.000	3.5000						
POTASSIUM	20.0000	500.0000		680.0000						
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND						
SILVER	0.3000	7.0000	400.0000	0.0000 ND						
SODIUM	3.0000	30.0000		137.0000						
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND						
VANADIUM	0.4000	8.0000	720.0000	11.4000						
ZINC	0.7000	2.0000	24000.00	58.6000						

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-06-105107 Lab ID: P276871	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MERCURY	0.1000	0.1000		0.0000 ND						

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-06-105107 Lab ID:	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
GASOLINE COMPONENTS	500.0000	1.0000		56000.0000						

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-06-105107 Lab ID: P276871	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
DIESEL COMPONENTS	7000.000	10.0000		2300000.0000						
PENTACOSANE	N/A	N/A		0.0000						

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-06-105107 Lab ID: 0363160006SA	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-061794 Lab ID: 0363160001TB	Equipment Blank Field ID: KAFB-EB-219-06179 Lab ID: 0363160002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0320	0.0050		0.0000 ND			0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0530	0.0050	35.0000	0.0000 ND			0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0530	0.0050	123.0000	0.0000 ND			0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0420	0.0050		0.0000 ND			0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0530	0.0050		0.0000 ND			0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0420	0.0050	7.6900	0.0000 ND			0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		95.0000 %			98.0000 %	96.0000 %		
1,2-DICHLOROPROPANE	0.0320	0.0050		0.0000 ND			0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		76.0000 %			98.0000 %	99.0000 %		
2-CHLOROETHYL VINYL ETHER	0.1100	0.0100		0.0000 ND			0.0000 ND	0.0000 ND		
2-HEXANONE	0.1100	0.0500		0.0000 ND			1.1000 TR	0.0000 ND		
ACETONE	0.1100	0.1000	8000.000	0.1900			6.3000 TR	21.0000		
BENZENE	0.0210	0.0050	24.1000	0.0000 ND			0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0210	0.0050		0.0000 ND			0.0000 ND	0.0000 ND		
BROMOFORM	0.0530	0.0050	88.6000	0.0000 ND			0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0420	0.0100	32.0000	0.0000 ND			0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0530	0.0050	8000.000	0.0000 ND			0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0320	0.0050		0.0000 ND			0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0210	N/A	2160.000	0.0000 ND			0.0000 ND	0.0000 ND		
CHLOROETHANE	0.1100	0.0100		0.0000 ND			0.0000 ND	0.0000 ND		
CHLOROFORM	0.0210	0.0050		0.0000 ND			0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0630	0.0100		0.0000 ND			0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0420	0.0050		0.0000 ND			0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0210	0.0050	8000.000	0.0160 TR			0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.1100	0.1000	48000.00	0.0520 TR			0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.1100	0.0500		0.0000 ND			0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0320	0.0050	93.3000	0.0980			4.6000 =	4.2000		
STYRENE	0.0530	0.0050		0.0000 ND			0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0210	0.0050	800.0000	0.0000 ND			0.0000 ND	0.0000 ND		
TOLUENE	0.0320	0.0050	16000.00	0.0000 ND			0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		102.0000 %			103.0000 %	101.0000 %		
TRICHLOROETHYLENE (TCE)	0.0320	0.0050	63.6000	0.0120 TR			0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0740	0.0500		0.0000 ND			0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0420	0.0100		0.0000 ND			0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0530	0.0050	160000.0	0.1700			0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0530	0.0050		0.0000 ND			0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0530	0.0050		0.0000 ND			0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0320	0.0050		0.0000 ND			0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-06-105107 Lab ID: P276871	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
1,2,4-TRICHLOROBENZENE	4000.000	0.7000	800.0000	0.0000 ND						
1,2-DICHLOROBENZENE	4000.000	0.7000		0.0000 ND						
1,3-DICHLOROBENZENE	4600.000	0.7000		0.0000 ND						
1,4-DICHLOROBENZENE	4600.000	0.7000		0.0000 ND						
2,4,5-TRICHLOROPHENOL	5400.000	3.3000		0.0000 ND						
2,4,6-TRIBROMOPHENOL	N/A	N/A		0.0000						
2,4,6-TRICHLOROPHENOL	3400.000	0.3000		0.0000 ND						
2,4-DICHLOROPHENOL	2600.000	0.3000		0.0000 ND						
2,4-DIMETHYLPHENOL	4000.000	0.3000		0.0000 ND						
2,4-DINITROPHENOL	6000.000	3.3000		0.0000 ND						
2,4-DINITROTOLUENE	4000.000	0.7000		0.0000 ND						
2,6-DINITROTOLUENE	4600.000	0.7000		0.0000 ND						
2-CHLORONAPHTHALENE	3400.000	0.7000		0.0000 ND						
2-CHLOROPHENOL	2600.000	0.3000		0.0000 ND						
2-FLUOROBIPHENYL	N/A	N/A		0.0000						
2-FLUOROPHENOL	N/A	N/A		0.0000						
2-METHYLNAPHTHALENE	2600.000	0.7000	3200.000	0.0000 ND						
2-METHYLPHENOL (o-CRESOL)	3400.000	0.3000		0.0000 ND						
2-NITROANILINE	3400.000	3.3000		0.0000 ND						
2-NITROPHENOL	2600.000	0.3000		0.0000 ND						
3,3'-DICHLOROBENZIDINE	2000.000	1.3000		0.0000 ND						
3-NITROANILINE	3400.000	3.3000		0.0000 ND						
4,6-DINITRO-2-METHYLPHENOL	4000.000	3.3000		0.0000 ND						
4-BROMOPHENYL PHENYL ETHER	4600.000	0.7000		0.0000 ND						
4-CHLORO-3-METHYLPHENOL	4000.000	1.3000		0.0000 ND						
4-CHLOROANILINE	2600.000	1.3000		0.0000 ND						
4-CHLOROPHENYL PHENYL ETHER	4000.000	0.7000		0.0000 ND						
4-METHYLPHENOL (p-CRESOL)	2600.000	0.3000		0.0000 ND						
4-NITROANILINE	3400.000	3.3000		0.0000 ND						
4-NITROPHENOL	3400.000	1.6000		0.0000 ND						
ACENAPHTHENE	3400.000	0.7000		0.0000 ND						
ACENAPHTHYLENE	3400.000	0.7000		0.0000 ND						
ANTHRACENE	4000.000	0.7000		0.0000 ND						
BENZO(a)ANTHRACENE	4000.000	0.7000		0.0000 ND						
BENZO(a)PYRENE	4000.000	0.7000	959.0000	0.0000 ND						
BENZO(b)FLUORANTHENE	6000.000	0.7000	95.9000	0.0000 ND						
BENZO(g,h,i)PERYLENE	5400.000	0.7000		0.0000 ND						
BENZO(k)FLUORANTHENE	6000.000	N/A		0.0000 ND				0.0000 ND		
BENZOIC ACID	11400.00	1.6000		0.0000 ND						
BENZYL ALCOHOL	2000.000	1.3000		0.0000 ND						
BENZYL BUTYL PHTHALATE	5400.000	0.7000		0.0000 ND						

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-06-105107 Lab ID: P276871	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
CHRYSENE	4000.000	0.7000	9.5900	0.0000 ND						
DI-n-BUTYL PHTHALATE	4000.000	0.7000	8000.000	0.0000 ND						
DI-n-OCTYLPHTHALATE	6000.000	0.7000		0.0000 ND						
DIBENZ(a,h)ANTHRACENE	5400.000	0.7000		0.0000 ND						
DIBENZOFURAN	3400.000	0.7000		0.0000 ND						
DIETHYL PHTHALATE	4600.000	0.7000		0.0000 ND						
DIMETHYL PHTHALATE	4600.000	0.7000		0.0000 ND						
FLUORANTHENE	4600.000	0.7000	3360.000	0.0000 ND						
FLUORENE	3400.000	0.7000	3360.000	0.0000 ND						
HEXACHLOROBENZENE	4600.000	0.7000		0.0000 ND						
HEXACHLOROBUTADIENE	4600.000	0.7000		0.0000 ND						
HEXACHLOROCYCLOPENTADIENE	5400.000	0.7000		0.0000 ND						
HEXACHLOROETHANE	5400.000	0.7000		0.0000 ND						
INDENO(1,2,3-c,d)PYRENE	5400.000	0.7000		0.0000 ND						
ISOPHORONE	3400.000	0.7000	7370.000	0.0000 ND						
N-NITROSODI-n-PROPYLAMINE	2600.000	0.7000		0.0000 ND						
N-NITROSODIPHENYLAMINE	4600.000	0.7000		0.0000 ND						
NAPHTHALENE	3400.000	0.7000	3200.000	8000.0000						
NITROBENZENE	2600.000	0.7000		0.0000 ND						
NITROBENZENE-D5	N/A	0.7000		0.0000						
PENTACHLOROPHENOL	4600.000	3.3000	5.8300	0.0000 ND						
PHENANTHRENE	4600.000	0.7000		0.0000 ND						
PHENOL	2600.000	0.3000	48000.00	0.0000 ND						
PHENOL-D5	N/A	N/A		0.0000						
PYRENE	4600.000	0.7000	2400.000	0.0000 ND						
TERPHENYL-D14	N/A	N/A		0.0000						
bis(2-CHLOROETHOXY) METHANE	3400.000	0.7000		0.0000 ND						
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	2600.000	0.7000		0.0000 ND						
bis(2-CHLOROISOPROPYL) ETHER	2600.000	0.7000		0.0000 ND				0.0000 ND		
bis(2-ETHYLHEXYL) PHTHALATE	13400.00	0.7000	50.0000	0.0000 ND						

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-06-105107 Lab ID: P276871	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.3000						

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-07-7476 Lab ID: 940610-03	Field ID: KAFB-219-07-8082 Lab ID: 940610-04	Field ID: KAFB-219-07-9092 Lab ID: 940610-05	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID: 940610-01	Ambient Blank Field ID: Lab ID:	Lab ID:
ALUMINUM	3.5000	50.0000		2330.0000	2070.0000	3560.0000		B		
ANTIMONY	3.6000	40.0000	32.0000	4.6000 B	5.6000	0.0000 ND		ND		
ARSENIC	0.3200	60.0000	38.9000	1.2000	1.2000	1.0000 B		ND		
BARIUM	0.7400	2.0000	5600.000	40.5000	26.3000	72.2000		ND		
BERYLLIUM	0.1100	0.3000	16.3000	0.1700 B	0.0000 ND	0.2900 B		ND		
CADMIUM	0.3200	4.0000	40.0000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
CALCIUM	0.7400	10.0000		904.0000	1300.0000	1520.0000		B		
CHROMIUM, TOTAL	0.7400	7.0000		2.4000	4.0000	2.7000		ND		
COBALT	0.4200	7.0000		2.9000 B	4.1000 B	2.8000 B		ND		
COPPER	0.6300	6.0000		4.9000	26.0000	85.1000		ND		
IRON	0.5300	7.0000		4070.0000	7520.0000	5130.0000		B		
LEAD	0.1100	50.0000	400.0000	2.5000	3.6000	4.3000		ND		
MAGNESIUM	2.9000	30.0000		897.0000	922.0000	1220.0000		B		
MANGANESE	0.1100	2.0000	400.0000	66.8000	99.7000	79.6000		B		
NICKEL	0.7400	15.0000	1600.000	3.6000 B	3.4000 B	3.3000 B		ND		
POTASSIUM	1.1000	500.0000		409.0000 B	303.0000 B	428.0000 B		ND		
SELENIUM	0.4200	80.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
SILVER	0.5300	7.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
SODIUM	5.4000	30.0000		108.0000 B	125.0000 B	135.0000 B		B		
THALLIUM	0.4200	40.0000	7.2000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
VANADIUM	0.3200	8.0000	720.0000	6.9000	17.9000	8.9000		ND		
ZINC	0.3200	2.0000	24000.00	12.9000	46.8000	23.2000		B		
ALUMINUM	3.8000	50.0000		7920.0000	3360.0000	9410.0000		B		
ANTIMONY	4.0000	40.0000	32.0000	5.3000 B	0.0000 ND	7.9000		ND		
ARSENIC	0.3500	60.0000	38.9000	3.2000	1.7000	1.6000		ND		
BARIUM	0.8100	2.0000	5600.000	74.4000	37.6000	56.7000		ND		
BERYLLIUM	0.1200	0.3000	16.3000	0.6100	0.2800 B	0.7400		ND		
CADMIUM	0.3500	4.0000	40.0000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
CALCIUM	0.8100	10.0000		94500.0000	8480.0000	3190.0000		B		
CHROMIUM, TOTAL	0.8100	7.0000		5.4000	2.5000	4.9000		ND		
COBALT	0.4700	7.0000		3.7000 B	2.7000 B	6.1000		ND		
COPPER	0.7000	6.0000		25.0000	6.5000	16.5000		ND		
IRON	0.5800	7.0000		9840.0000	5790.0000	11500.0000		B		
LEAD	0.1200	50.0000	400.0000	7.3000	4.1000	5.3000		ND		
MAGNESIUM	3.1000	30.0000		4800.0000	1300.0000	4430.0000		B		
MANGANESE	0.1200	2.0000	400.0000	441.0000	117.0000	224.0000		B		
NICKEL	0.8100	15.0000	1600.000	7.9000	3.5000 B	7.0000		ND		
POTASSIUM	1.2000	500.0000		1440.0000	664.0000	1610.0000		ND		
SELENIUM	0.4700	80.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
SILVER	0.5800	7.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
SODIUM	5.9000	30.0000		203.0000 B	122.0000 B	238.0000 B		B		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: *Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-07-100102 Lab ID: 940610-06	Field ID: KAFB-219-07-110112 Lab ID: 940610-07	Field ID: KAFB-219-07-120122 Lab ID: 940610-08	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID: 940610-01	Ambient Blank Field ID: Lab ID:	Lab ID:
THALLIUM	0.4700	40.0000	7.2000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
VANADIUM	0.3500	8.0000	720.0000	13.7000	9.7000	16.7000		ND		
ZINC	0.3500	2.0000	24000.00	28.7000	33.6000	401.0000		B		
ALUMINUM	3.4000	50.0000		1850.0000	2560.0000	11700.0000		B		
ANTIMONY	3.5000	40.0000	32.0000	3.8000 B	0.0000 ND	4.5000 B		ND		
ARSENIC	0.3100	60.0000	38.9000	0.6600 B	1.1000	1.6000		ND		
BARIUM	0.7300	2.0000	5600.000	59.6000	26.6000	71.6000		ND		
BERYLLIUM	0.1000	0.3000	16.3000	0.2000 B	0.1800 B	1.2000		ND		
CADMIUM	0.3100	4.0000	40.0000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
CALCIUM	0.7300	10.0000		1040.0000	1180.0000	4960.0000		B		
CHROMIUM, TOTAL	0.7300	7.0000		1.6000	2.9000	6.3000		ND		
COBALT	0.4100	7.0000		1.8000 B	2.8000 B	5.0000 B		ND		
COPPER	0.6200	6.0000		17.8000	5.2000	19.4000		ND		
IRON	0.5200	7.0000		3200.0000	4730.0000	13200.0000		B		
LEAD	0.1000	50.0000	400.0000	3.0000	2.7000	9.3000		ND		
MAGNESIUM	2.8000	30.0000		920.0000	927.0000	4630.0000		B		
MANGANESE	0.1000	2.0000	400.0000	55.7000	70.3000	227.0000		B		
NICKEL	0.7300	15.0000	1600.000	2.8000 B	2.3000 B	8.4000		ND		
POTASSIUM	1.0000	500.0000		357.0000 B	405.0000 B	1360.0000		ND		
SELENIUM	0.4100	80.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
SILVER	0.5200	7.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
SODIUM	5.3000	30.0000		92.0000 B	119.0000 B	270.0000 B		B		
THALLIUM	0.4100	40.0000	7.2000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
VANADIUM	0.3100	8.0000	720.0000	5.6000	10.4000	18.7000		ND		
ZINC	0.3100	2.0000	24000.00	20.9000	24.5000	191.0000		B		
ALUMINUM	3.8000	50.0000		2560.0000				B		
ANTIMONY	3.9000	40.0000	32.0000	0.0000 ND				ND		
ARSENIC	0.3400	60.0000	38.9000	1.1000				ND		
BARIUM	0.8000	2.0000	5600.000	26.6000				ND		
BERYLLIUM	0.1100	0.3000	16.3000	0.1800 B				ND		
CADMIUM	0.3400	4.0000	40.0000	0.0000 ND				ND		
CALCIUM	0.8000	10.0000		1180.0000				B		
CHROMIUM, TOTAL	0.8000	7.0000		2.9000				ND		
COBALT	0.4600	7.0000		2.8000 B				ND		
COPPER	0.6900	6.0000		5.2000				ND		
IRON	0.5700	7.0000		4730.0000				B		
LEAD	0.1100	50.0000	400.0000	2.7000				ND		
MAGNESIUM	3.1000	30.0000		927.0000				B		
MANGANESE	0.1100	2.0000	400.0000	70.3000				B		
NICKEL	0.8000	15.0000	1600.000	2.3000 B				ND		
POTASSIUM	1.1000	500.0000		405.0000 B				ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: *Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-99-140144 Lab ID: 940610-10	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID: 940610-01	Ambient Blank Field ID: Lab ID:	Lab ID:
SELENIUM	0.4600	80.0000	400.0000	0.0000 ND				ND		
SILVER	0.5700	7.0000	400.0000	0.0000 ND				ND		
SODIUM	5.8000	30.0000		119.0000 B				B		
THALLIUM	0.4600	40.0000	7.2000	0.0000 ND				ND		
VANADIUM	0.3400	8.0000	720.0000	10.4000				ND		
ZINC	0.3400	2.0000	24000.00	24.5000				B		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units:

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-07-7476 Lab ID:	Field ID: KAFB-219-07-8082 Lab ID:	Field ID: KAFB-219-07-9092 Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MERCURY	0.0400	0.1000		0.0800 B	0.0700 B	0.1100 B		ND		
MERCURY	0.0400	0.1000		0.0700 B	0.0400 B	0.0000 ND		ND		
MERCURY	0.0400	0.1000		0.0000 ND	0.0500 B	0.0800 B		ND		
MERCURY	0.0400	0.1000		0.0500 B				ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg 481
Method Extraction: :
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-07-7476 Lab ID:	Field ID: KAFB-219-07-8082 Lab ID:	Field ID: KAFB-219-07-9092 Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
GASOLINE COMPONENTS	66.0000	1.0000		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
GASOLINE COMPONENTS	0.5000	1.0000		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
GASOLINE COMPONENTS	0.5000	1.0000		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-07-7476 Lab ID:	Field ID: KAFB-219-07-8082 Lab ID:	Field ID: KAFB-219-07-9092 Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
DIESEL COMPONENTS	10.0000	10.0000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
FUEL OILS	10.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
GASOLINE COMPONENTS	N/A	1.0000		0.0000	0.0000	0.0000	ND	ND		
JET FUEL #4 (JP4)	10.0000	N/A		0.0000 ND	200.0000	170.0000		ND		
JET FUEL #5 (JP5)	10.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
JET FUEL #8 (JP8)	10.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
KEROSENE	10.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
LUBRICATING OIL	10.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
MED. PETROLEUM DISTILLATE C8-C12 (ie:NAPHTHA etc.)	10.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
MOTOR OILS	10.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
DIESEL COMPONENTS	10.0000	10.0000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
FUEL OILS	10.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
GASOLINE COMPONENTS	N/A	1.0000		0.0000	0.0000	0.0000	ND	ND		
JET FUEL #4 (JP4)	10.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
JET FUEL #5 (JP5)	10.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
JET FUEL #8 (JP8)	10.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
KEROSENE	10.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
LUBRICATING OIL	10.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
MED. PETROLEUM DISTILLATE C8-C12 (ie:NAPHTHA etc.)	10.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
MOTOR OILS	10.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
DIESEL COMPONENTS	10.0000	10.0000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
FUEL OILS	10.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
GASOLINE COMPONENTS	N/A	1.0000		0.0000	0.0000 ND	0.0000	ND	ND		
JET FUEL #4 (JP4)	10.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
JET FUEL #5 (JP5)	10.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
JET FUEL #8 (JP8)	10.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
KEROSENE	10.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
LUBRICATING OIL	10.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
MED. PETROLEUM DISTILLATE C8-C12 (ie:NAPHTHA etc.)	10.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
MOTOR OILS	10.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
DIESEL COMPONENTS	10.0000	10.0000		0.0000 ND				ND		
FUEL OILS	10.0000	N/A		0.0000 ND				ND		
GASOLINE COMPONENTS	0.5000	1.0000		0.0000 ND			ND	ND		
JET FUEL #4 (JP4)	10.0000	N/A		0.0000 ND				ND		
JET FUEL #5 (JP5)	10.0000	N/A		0.0000 ND				ND		
JET FUEL #8 (JP8)	10.0000	N/A		0.0000 ND				ND		
KEROSENE	10.0000	N/A		0.0000 ND				ND		
LUBRICATING OIL	10.0000	N/A		0.0000 ND				ND		
MED. PETROLEUM DISTILLATE C8-C12 (ie:NAPHTHA etc.)	10.0000	N/A		0.0000 ND				ND		
MOTOR OILS	10.0000	N/A		0.0000 ND				ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Parts per million

Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-99-140144 Lab ID: 940610-10	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
GASOLINE COMPONENTS	0.5000	1.0000		0.0000 ND			ND	ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-07-7476 Lab ID: 940610-03	Field ID: KAFB-219-07-8082 Lab ID: 940610-04	Field ID: KAFB-219-07-9092 Lab ID: 940610-05	Trip Blank Field ID: Lab ID: 940610-12	Equipment Blank Field ID: Lab ID: 940610-01	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	650.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
1,1,2,2-TETRACHLOROETHANE	650.0000	0.0050	35.0000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
1,1,2-TRICHLOROETHANE	650.0000	0.0050	123.0000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
1,1-DICHLOROETHANE	650.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
1,1-DICHLOROETHENE	650.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
1,2-DICHLOROETHANE	650.0000	0.0050	7.6900	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
1,2-DICHLOROPROPYLENE	650.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
2-HEXANONE	1300.000	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
ACETONE	1300.000	0.1000	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
BENZENE	650.0000	0.0050	24.1000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
BROMODICHLOROMETHANE	650.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
BROMOFORM	650.0000	0.0050	88.6000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
BROMOMETHANE	1300.000	0.0100	32.0000	0.0000 ND	360.0000 J	460.0000 J	ND	ND		
CARBON DISULFIDE	650.0000	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
CARBON TETRACHLORIDE	650.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
CHLOROBENZENE	650.0000	N/A	2160.000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
CHLOROETHANE	1300.000	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
CHLOROFORM	650.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
CHLOROMETHANE	1300.000	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
DIBROMOCHLOROMETHANE	650.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
ETHYLBENZENE	650.0000	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
M-XYLENE (1,3-DIMETHYLBENZENE)	650.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
METHYL ETHYL KETONE (2-BUTANONE)	1300.000	0.1000	48000.00	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	1300.000	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
METHYLENE CHLORIDE	650.0000	0.0050	93.3000	180.0000 J	0.0000 ND	0.0000 ND	ND	ND		
STYRENE	650.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
TETRACHLOROETHYLENE(PCE)	650.0000	0.0050	800.0000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
TOLUENE	650.0000	0.0050	16000.00	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
TOTAL 1,2-DICHLOROETHENE	650.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
TRICHLOROETHYLENE (TCE)	650.0000	0.0050	63.6000	0.0000 ND	0.0000 ND	180.0000 J	ND	ND		
VINYL CHLORIDE	1300.000	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
cis-1,3-DICHLOROPROPENE	650.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
trans-1,3-DICHLOROPROPENE	650.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
1,1,1-TRICHLOROETHANE	6.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
1,1,2,2-TETRACHLOROETHANE	6.0000	0.0050	35.0000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
1,1,2-TRICHLOROETHANE	6.0000	0.0050	123.0000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
1,1-DICHLOROETHANE	6.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
1,1-DICHLOROETHENE	6.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
1,2-DICHLOROETHANE	6.0000	0.0050	7.6900	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
1,2-DICHLOROPROPYLENE	6.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
2-HEXANONE	12.0000	0.0500		12.0000	4.0000 J	0.0000 ND	ND	ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-07-100102 Lab ID: 940610-06	Field ID: KAFB-219-07-110112 Lab ID: 940610-07	Field ID: KAFB-219-07-120122 Lab ID: 940610-08	Trip Blank Field ID: Lab ID: 940610-12	Equipment Blank Field ID: Lab ID: 940610-01	Ambient Blank Field ID: Lab ID:	Lab ID:
ACETONE	12.0000	0.1000	8000.000	210.0000	130.0000	0.0000 ND	ND	ND		
BENZENE	6.0000	0.0050	24.1000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
BROMODICHLOROMETHANE	6.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
BROMOFORM	6.0000	0.0050	88.6000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
BROMOMETHANE	12.0000	0.0100	32.0000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
CARBON DISULFIDE	6.0000	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
CARBON TETRACHLORIDE	6.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
CHLOROBENZENE	6.0000	N/A	2160.000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
CHLOROETHANE	12.0000	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
CHLOROFORM	6.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
CHLOROMETHANE	12.0000	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
DIBROMOCHLOROMETHANE	6.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
ETHYLBENZENE	6.0000	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
M-XYLENE (1,3-DIMETHYLBENZENE)	6.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
METHYL ETHYL KETONE (2-BUTANONE)	12.0000	0.1000	48000.00	72.0000	23.0000	0.0000 ND	ND	ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	12.0000	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
METHYLENE CHLORIDE	6.0000	0.0050	93.3000	9.0000	4.0000 J	5.0000 BJ	ND	ND		
STYRENE	6.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
TETRACHLOROETHYLENE(PCE)	6.0000	0.0050	800.0000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
TOLUENE	6.0000	0.0050	16000.00	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
TOTAL 1,2-DICHLOROETHENE	6.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
TRICHLOROETHYLENE (TCE)	6.0000	0.0050	63.6000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
VINYL CHLORIDE	12.0000	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
cis-1,3-DICHLOROPROPENE	6.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
trans-1,3-DICHLOROPROPENE	6.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
1,1,1-TRICHLOROETHANE	5.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
1,1,2,2-TETRACHLOROETHANE	5.0000	0.0050	35.0000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
1,1,2-TRICHLOROETHANE	5.0000	0.0050	123.0000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
1,1-DICHLOROETHANE	5.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
1,1-DICHLOROETHENE	5.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
1,2-DICHLOROETHANE	5.0000	0.0050	7.6900	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
1,2-DICHLOROPROPYLENE	5.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
2-HEXANONE	10.0000	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
ACETONE	10.0000	0.1000	8000.000	13.0000	6.0000 J	18.0000	ND	ND		
BENZENE	5.0000	0.0050	24.1000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
BROMODICHLOROMETHANE	5.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
BROMOFORM	5.0000	0.0050	88.6000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
BROMOMETHANE	10.0000	0.0100	32.0000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
CARBON DISULFIDE	5.0000	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
CARBON TETRACHLORIDE	5.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
CHLOROBENZENE	5.0000	N/A	2160.000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-07-130132 Lab ID: 940610-09	Field ID: KAFB-219-07-140144 Lab ID: 940610-10	Field ID: KAFB-219-07-150152 Lab ID: 940610-02	Trip Blank Field ID: Lab ID: 940610-12	Equipment Blank Field ID: Lab ID: 940610-01	Ambient Blank Field ID: Lab ID:	Lab ID:
CHLOROETHANE	10.0000	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
CHLOROFORM	5.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
CHLOROMETHANE	10.0000	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
DIBROMOCHLOROMETHANE	5.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
ETHYLBENZENE	5.0000	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
M-XYLENE (1,3-DIMETHYLBENZENE)	5.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
METHYL ETHYL KETONE (2-BUTANONE)	10.0000	0.1000	48000.00	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	10.0000	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
METHYLENE CHLORIDE	5.0000	0.0050	93.3000	5.0000 J	0.0000 ND	10.0000	ND	ND		
STYRENE	5.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
TETRACHLOROETHYLENE(PCE)	5.0000	0.0050	800.0000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
TOLUENE	5.0000	0.0050	16000.00	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
TOTAL 1,2-DICHLOROETHENE	5.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
TRICHLOROETHYLENE (TCE)	5.0000	0.0050	63.6000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
VINYL CHLORIDE	10.0000	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
cis-1,3-DICHLOROPROPENE	5.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
trans-1,3-DICHLOROPROPENE	5.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
1,1,1-TRICHLOROETHANE	5.0000	0.0050		0.0000 ND			ND	ND		
1,1,2,2-TETRACHLOROETHANE	5.0000	0.0050	35.0000	0.0000 ND			ND	ND		
1,1,2-TRICHLOROETHANE	5.0000	0.0050	123.0000	0.0000 ND			ND	ND		
1,1-DICHLOROETHANE	5.0000	0.0050		0.0000 ND			ND	ND		
1,1-DICHLOROETHENE	5.0000	0.0050		0.0000 ND			ND	ND		
1,2-DICHLOROETHANE	5.0000	0.0050	7.6900	0.0000 ND			ND	ND		
1,2-DICHLOROPROPYLENE	5.0000	N/A		0.0000 ND			ND	ND		
2-HEXANONE	11.0000	0.0500		0.0000 ND			ND	ND		
ACETONE	11.0000	0.1000	8000.000	6.0000 J			ND	ND		
BENZENE	5.0000	0.0050	24.1000	0.0000 ND			ND	ND		
BROMODICHLOROMETHANE	5.0000	0.0050		0.0000 ND			ND	ND		
BROMOFORM	5.0000	0.0050	88.6000	0.0000 ND			ND	ND		
BROMOMETHANE	11.0000	0.0100	32.0000	0.0000 ND			ND	ND		
CARBON DISULFIDE	5.0000	0.0050	8000.000	0.0000 ND			ND	ND		
CARBON TETRACHLORIDE	5.0000	0.0050		0.0000 ND			ND	ND		
CHLOROBENZENE	5.0000	N/A	2160.000	0.0000 ND			ND	ND		
CHLOROETHANE	11.0000	0.0100		0.0000 ND			ND	ND		
CHLOROFORM	5.0000	0.0050		0.0000 ND			ND	ND		
CHLOROMETHANE	11.0000	0.0100		0.0000 ND			ND	ND		
DIBROMOCHLOROMETHANE	5.0000	0.0050		0.0000 ND			ND	ND		
ETHYLBENZENE	5.0000	0.0050	8000.000	0.0000 ND			ND	ND		
M-XYLENE (1,3-DIMETHYLBENZENE)	5.0000	N/A		0.0000 ND			ND	ND		
METHYL ETHYL KETONE (2-BUTANONE)	11.0000	0.1000	48000.00	0.0000 ND			ND	ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	11.0000	0.0500		0.0000 ND			ND	ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-99-140144 Lab ID: 940610-10	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID: 940610-12	Equipment Blank Field ID: Lab ID: 940610-01	Ambient Blank Field ID: Lab ID:	Lab ID:
METHYLENE CHLORIDE	5.0000	0.0050	93.3000	0.0000 ND			ND	ND		
STYRENE	5.0000	0.0050		0.0000 ND			ND	ND		
TETRACHLOROETHYLENE(PCE)	5.0000	0.0050	800.0000	0.0000 ND			ND	ND		
TOLUENE	5.0000	0.0050	16000.00	0.0000 ND			ND	ND		
TOTAL 1,2-DICHLOROETHENE	5.0000	N/A		0.0000 ND			ND	ND		
TRICHLOROETHYLENE (TCE)	5.0000	0.0050	63.6000	0.0000 ND			ND	ND		
VINYL CHLORIDE	11.0000	0.0100		0.0000 ND			ND	ND		
cis-1,3-DICHLOROPROPENE	5.0000	0.0050		0.0000 ND			ND	ND		
trans-1,3-DICHLOROPROPENE	5.0000	0.0050		0.0000 ND			ND	ND		

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units:

ANALYTCAL DATA SUMMARY

Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-07-7476 Lab ID:	Field ID: KAFB-219-07-8082 Lab ID:	Field ID: KAFB-219-07-9092 Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
1,2,4-TRICHLOROBENZENE	344.0000	0.7000	800.0000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
1,2-DICHLOROBENZENE	344.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
1,3-DICHLOROBENZENE	344.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
1,4-DICHLOROBENZENE	344.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2,4,5-TRICHLOROPHENOL	833.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2,4,6-TRICHLOROPHENOL	344.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2,4-DICHLOROPHENOL	344.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2,4-DIMETHYLPHENOL	344.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2,4-DINITROPHENOL	833.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2,4-DINITROTOLUENE	344.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2,6-DINITROTOLUENE	344.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2-CHLORONAPHTHALENE	344.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2-CHLOROPHENOL	344.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2-METHYLNAPHTHALENE	344.0000	0.7000	3200.000	0.0000 ND	84.0000 JX	0.0000 ND		ND		
2-METHYLPHENOL (o-CRESOL)	344.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2-NITROANILINE	833.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2-NITROPHENOL	344.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
3,3'-DICHLOROBENZIDINE	344.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
3-NITROANILINE	833.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
4,6-DINITRO-2-METHYLPHENOL	833.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
4-BROMOPHENYL PHENYL ETHER	344.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
4-CHLORO-3-METHYLPHENOL	344.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
4-CHLOROANILINE	344.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
4-CHLOROPHENYL PHENYL ETHER	344.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
4-METHYLPHENOL (p-CRESOL)	344.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
4-NITROANILINE	833.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
4-NITROPHENOL	833.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
ACENAPHTHENE	344.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
ACENAPHTHYLENE	344.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
ANTHRACENE	344.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
BENZO(a)ANTHRACENE	344.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
BENZO(a)PYRENE	344.0000	0.7000	959.0000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
BENZO(b)FLUORANTHENE	344.0000	0.7000	95.9000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
BENZO(g,h,i)PERYLENE	344.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
BENZO(k)FLUORANTHENE	344.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
BENZYL BUTYL PHTHALATE	344.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
CHRYSENE	344.0000	0.7000	9.5900	0.0000 ND	0.0000 ND	0.0000 ND		ND		
DI-n-BUTYL PHTHALATE	344.0000	0.7000	8000.000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
DI-n-OCTYLPHTHALATE	344.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
DIBENZ(a,h)ANTHRACENE	344.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
DIBENZOFURAN	344.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units:

Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-07-7476 Lab ID:	Field ID: KAFB-219-07-8082 Lab ID:	Field ID: KAFB-219-07-9092 Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
DIETHYL PHTHALATE	344.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
DIMETHYL PHTHALATE	344.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
FLUORANTHENE	344.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
FLUORENE	344.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
HEXACHLOROBENZENE	344.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
HEXACHLOROBUTADIENE	344.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
HEXACHLOROCYCLOPENTADIENE	344.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
HEXACHLOROETHANE	344.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
INDENO(1,2,3-c,d)PYRENE	344.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
ISOPHORONE	344.0000	0.7000	7370.000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
N-NITROSODI-n-PROPYLAMINE	344.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
N-NITROSODIPHENYLAMINE	344.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
NAPHTHALENE	344.0000	0.7000	3200.000	0.0000 ND	560.0000 X	150.0000 JX		ND		
NITROBENZENE	344.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
PENTACHLOROPHENOL	833.0000	3.3000	5.8300	0.0000 ND	0.0000 ND	0.0000 ND		ND		
PHENANTHRENE	344.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
PHENOL	344.0000	0.3000	48000.00	0.0000 ND	0.0000 ND	0.0000 ND		ND		
PYRENE	344.0000	0.7000	2400.000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
bis(2-CHLOROETHOXY) METHANE	344.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	344.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
bis(2-CHLOROISOPROPYL) ETHER	344.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
bis(2-ETHYLHEXYL) PHTHALATE	344.0000	0.7000	50.0000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
1,2,4-TRICHLOROBENZENE	384.0000	0.7000	800.0000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
1,2-DICHLOROBENZENE	384.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
1,3-DICHLOROBENZENE	384.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
1,4-DICHLOROBENZENE	384.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2,4,5-TRICHLOROPHENOL	930.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2,4,6-TRICHLOROPHENOL	384.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2,4-DICHLOROPHENOL	384.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2,4-DIMETHYLPHENOL	384.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2,4-DINITROPHENOL	930.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2,4-DINITROTOLUENE	384.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2,6-DINITROTOLUENE	384.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2-CHLORONAPHTHALENE	384.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2-CHLOROPHENOL	384.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2-METHYLNAPHTHALENE	384.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
2-METHYLPHENOL (o-CRESOL)	384.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2-NITROANILINE	930.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2-NITROPHENOL	384.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
3,3'-DICHLOROBENZIDINE	384.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
3-NITROANILINE	930.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units:

ANALYTCAL DATA SUMMARY

Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-07-100102 Lab ID:	Field ID: KAFB-219-07-110112 Lab ID:	Field ID: KAFB-219-07-120122 Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
4,6-DINITRO-2-METHYLPHENOL	930.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
4-BROMOPHENYL PHENYL ETHER	384.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
4-CHLORO-3-METHYLPHENOL	384.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
4-CHLOROANILINE	384.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
4-CHLOROPHENYL PHENYL ETHER	384.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
4-METHYLPHENOL (p-CRESOL)	384.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
4-NITROANILINE	930.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
4-NITROPHENOL	930.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
ACENAPHTHENE	384.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
ACENAPHTHYLENE	384.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
ANTHRACENE	384.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
BENZO(a)ANTHRACENE	384.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
BENZO(a)PYRENE	384.0000	0.7000	959.0000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
BENZO(b)FLUORANTHENE	384.0000	0.7000	95.9000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
BENZO(g,h,i)PERYLENE	384.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
BENZO(k)FLUORANTHENE	384.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
BENZYL BUTYL PHTHALATE	384.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
CHRYSENE	384.0000	0.7000	9.5900	0.0000 ND	0.0000 ND	0.0000 ND		ND		
DI-n-BUTYL PHTHALATE	384.0000	0.7000	8000.000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
DI-n-OCTYLPHTHALATE	384.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
DIBENZ(a,h)ANTHRACENE	384.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
DIBENZOFURAN	384.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
DIETHYL PHTHALATE	384.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
DIMETHYL PHTHALATE	384.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
FLUORANTHENE	384.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
FLUORENE	384.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
HEXACHLOROBENZENE	384.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
HEXACHLOROBUTADIENE	384.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
HEXACHLOROCYCLOPENTADIENE	384.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
HEXACHLOROETHANE	384.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
INDENO(1,2,3-c,d)PYRENE	384.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
ISOPHORONE	384.0000	0.7000	7370.000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
N-NITROSODI-n-PROPYLAMINE	384.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
N-NITROSODIPHENYLAMINE	384.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
NAPHTHALENE	384.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
NITROBENZENE	384.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
PENTACHLOROPHENOL	930.0000	3.3000	5.8300	0.0000 ND	0.0000 ND	0.0000 ND		ND		
PHENANTHRENE	384.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
PHENOL	384.0000	0.3000	48000.00	0.0000 ND	0.0000 ND	0.0000 ND		ND		
PYRENE	384.0000	0.7000	2400.000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
bis(2-CHLOROETHOXY) METHANE	384.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units:

Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-07-100102 Lab ID:	Field ID: KAFB-219-07-110112 Lab ID:	Field ID: KAFB-219-07-120122 Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	384.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
bis(2-CHLOROISOPROPYL) ETHER	384.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
bis(2-ETHYLHEXYL) PHTHALATE	384.0000	0.7000	50.0000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
1,2,4-TRICHLOROBENZENE	344.0000	0.7000	800.0000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
1,2-DICHLOROBENZENE	344.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
1,3-DICHLOROBENZENE	344.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
1,4-DICHLOROBENZENE	344.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2,4,5-TRICHLOROPHENOL	833.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2,4,6-TRICHLOROPHENOL	344.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2,4-DICHLOROPHENOL	344.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2,4-DIMETHYLPHENOL	344.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2,4-DINITROPHENOL	833.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2,4-DINITROTOLUENE	344.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2,6-DINITROTOLUENE	344.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2-CHLORONAPHTHALENE	344.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2-CHLOROPHENOL	344.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2-METHYLNAPHTHALENE	344.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
2-METHYLPHENOL (o-CRESOL)	344.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2-NITROANILINE	833.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2-NITROPHENOL	344.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
3,3'-DICHLOROBENZIDINE	344.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
3-NITROANILINE	833.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
4,6-DINITRO-2-METHYLPHENOL	833.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
4-BROMOPHENYL PHENYL ETHER	344.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
4-CHLORO-3-METHYLPHENOL	344.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
4-CHLOROANILINE	344.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
4-CHLOROPHENYL PHENYL ETHER	344.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
4-METHYLPHENOL (p-CRESOL)	344.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
4-NITROANILINE	833.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
4-NITROPHENOL	833.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
ACENAPHTHENE	344.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
ACENAPHTHYLENE	344.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
ANTHRACENE	344.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
BENZO(a)ANTHRACENE	344.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
BENZO(a)PYRENE	344.0000	0.7000	959.0000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
BENZO(b)FLUORANTHENE	344.0000	0.7000	95.9000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
BENZO(g,h,i)PERYLENE	344.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
BENZO(k)FLUORANTHENE	344.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
BENZYL BUTYL PHTHALATE	344.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
CHRYSENE	344.0000	0.7000	9.5900	0.0000 ND	0.0000 ND	0.0000 ND		ND		
DI-n-BUTYL PHTHALATE	344.0000	0.7000	8000.000	0.0000 ND	0.0000 ND	0.0000 ND		ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units:

Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-07-130132 Lab ID:	Field ID: KAFB-219-07-140144 Lab ID:	Field ID: KAFB-219-07-150152 Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
DI-n-OCTYLPHTHALATE	344.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
DIBENZ(a,h)ANTHRACENE	344.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
DIBENZOFURAN	344.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
DIETHYL PHTHALATE	344.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
DIMETHYL PHTHALATE	344.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
FLUORANTHENE	344.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
FLUORENE	344.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
HEXACHLOROBENZENE	344.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
HEXACHLOROBUTADIENE	344.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
HEXACHLOROCYCLOPENTADIENE	344.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
HEXACHLOROETHANE	344.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
INDENO(1,2,3-c,d)PYRENE	344.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
ISOPHORONE	344.0000	0.7000	7370.000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
N-NITROSODI-n-PROPYLAMINE	344.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
N-NITROSODIPHENYLAMINE	344.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
NAPHTHALENE	344.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
NITROBENZENE	344.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
PENTACHLOROPHENOL	833.0000	3.3000	5.8300	0.0000 ND	0.0000 ND	0.0000 ND		ND		
PHENANTHRENE	344.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
PHENOL	344.0000	0.3000	48000.00	0.0000 ND	0.0000 ND	0.0000 ND		ND		
PYRENE	344.0000	0.7000	2400.000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
bis(2-CHLOROETHOXY) METHANE	344.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	344.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
bis(2-CHLOROISOPROPYL) ETHER	344.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
bis(2-ETHYLHEXYL) PHTHALATE	344.0000	0.7000	50.0000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
1,2,4-TRICHLOROBENZENE	347.0000	0.7000	800.0000	0.0000 ND				ND		
1,2-DICHLOROBENZENE	347.0000	0.7000		0.0000 ND				ND		
1,3-DICHLOROBENZENE	347.0000	0.7000		0.0000 ND				ND		
1,4-DICHLOROBENZENE	347.0000	0.7000		0.0000 ND				ND		
2,4,5-TRICHLOROPHENOL	842.0000	3.3000		0.0000 ND				ND		
2,4,6-TRICHLOROPHENOL	347.0000	0.3000		0.0000 ND				ND		
2,4-DICHLOROPHENOL	347.0000	0.3000		0.0000 ND				ND		
2,4-DIMETHYLPHENOL	347.0000	0.3000		0.0000 ND				ND		
2,4-DINITROPHENOL	842.0000	3.3000		0.0000 ND				ND		
2,4-DINITROTOLUENE	347.0000	0.7000		0.0000 ND				ND		
2,6-DINITROTOLUENE	347.0000	0.7000		0.0000 ND				ND		
2-CHLORONAPHTHALENE	347.0000	0.7000		0.0000 ND				ND		
2-CHLOROPHENOL	347.0000	0.3000		0.0000 ND				ND		
2-METHYLNAPHTHALENE	347.0000	0.7000	3200.000	0.0000 ND				ND		
2-METHYLPHENOL (o-CRESOL)	347.0000	0.3000		0.0000 ND				ND		
2-NITROANILINE	842.0000	3.3000		0.0000 ND				ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units:

Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-99-140144 Lab ID:	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
2-NITROPHENOL	347.0000	0.3000		0.0000 ND				ND		
3,3'-DICHLOROBENZIDINE	347.0000	1.3000		0.0000 ND				ND		
3-NITROANILINE	842.0000	3.3000		0.0000 ND				ND		
4,6-DINITRO-2-METHYLPHENOL	842.0000	3.3000		0.0000 ND				ND		
4-BROMOPHENYL PHENYL ETHER	347.0000	0.7000		0.0000 ND				ND		
4-CHLORO-3-METHYLPHENOL	347.0000	1.3000		0.0000 ND				ND		
4-CHLOROANILINE	347.0000	1.3000		0.0000 ND				ND		
4-CHLOROPHENYL PHENYL ETHER	347.0000	0.7000		0.0000 ND				ND		
4-METHYLPHENOL (p-CRESOL)	347.0000	0.3000		0.0000 ND				ND		
4-NITROANILINE	842.0000	3.3000		0.0000 ND				ND		
4-NITROPHENOL	842.0000	1.6000		0.0000 ND				ND		
ACENAPHTHENE	347.0000	0.7000		0.0000 ND				ND		
ACENAPHTHYLENE	347.0000	0.7000		0.0000 ND				ND		
ANTHRACENE	347.0000	0.7000		0.0000 ND				ND		
BENZO(a)ANTHRACENE	347.0000	0.7000		0.0000 ND				ND		
BENZO(a)PYRENE	347.0000	0.7000	959.0000	0.0000 ND				ND		
BENZO(b)FLUORANTHENE	347.0000	0.7000	95.9000	0.0000 ND				ND		
BENZO(g,h,i)PERYLENE	347.0000	0.7000		0.0000 ND				ND		
BENZO(k)FLUORANTHENE	347.0000	N/A		0.0000 ND				ND		
BENZYL BUTYL PHTHALATE	347.0000	0.7000		0.0000 ND				ND		
CHRYSENE	347.0000	0.7000	9.5900	0.0000 ND				ND		
DI-n-BUTYL PHTHALATE	347.0000	0.7000	8000.000	0.0000 ND				ND		
DI-n-OCTYLPHTHALATE	347.0000	0.7000		0.0000 ND				ND		
DIBENZ(a,h)ANTHRACENE	347.0000	0.7000		0.0000 ND				ND		
DIBENZOFURAN	347.0000	0.7000		0.0000 ND				ND		
DIETHYL PHTHALATE	347.0000	0.7000		0.0000 ND				ND		
DIMETHYL PHTHALATE	347.0000	0.7000		0.0000 ND				ND		
FLUORANTHENE	347.0000	0.7000	3360.000	0.0000 ND				ND		
FLUORENE	347.0000	0.7000	3360.000	0.0000 ND				ND		
HEXACHLOROBENZENE	347.0000	0.7000		0.0000 ND				ND		
HEXACHLOROBUTADIENE	347.0000	0.7000		0.0000 ND				ND		
HEXACHLOROCYCLOPENTADIENE	347.0000	0.7000		0.0000 ND				ND		
HEXACHLOROETHANE	347.0000	0.7000		0.0000 ND				ND		
INDENO(1,2,3-c,d)PYRENE	347.0000	0.7000		0.0000 ND				ND		
ISOPHORONE	347.0000	0.7000	7370.000	0.0000 ND				ND		
N-NITROSODI-n-PROPYLAMINE	347.0000	0.7000		0.0000 ND				ND		
N-NITROSODIPHENYLAMINE	347.0000	0.7000		0.0000 ND				ND		
NAPHTHALENE	347.0000	0.7000	3200.000	0.0000 ND				ND		
NITROBENZENE	347.0000	0.7000		0.0000 ND				ND		
PENTACHLOROPHENOL	842.0000	3.3000	5.8300	0.0000 ND				ND		
PHENANTHRENE	347.0000	0.7000		0.0000 ND				ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units:

Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-99-140144 Lab ID:	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
PHENOL	347.0000	0.3000	48000.00	0.0000 ND				ND		
PYRENE	347.0000	0.7000	2400.000	0.0000 ND				ND		
bis(2-CHLOROETHOXY) METHANE	347.0000	0.7000		0.0000 ND				ND		
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	347.0000	0.7000		0.0000 ND				ND		
bis(2-CHLOROISOPROPYL) ETHER	347.0000	0.7000		0.0000 ND				ND		
bis(2-ETHYLHEXYL) PHTHALATE	347.0000	0.7000	50.0000	0.0000 ND				ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: *Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-08-1012 Lab ID: 940643-07	Field ID: KAFB-219-08-2022 Lab ID: 940643-08	Field ID: KAFB-219-08-3032 Lab ID: 940643-09	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-219-07219 Lab ID: 940643-06	Ambient Blank Field ID: Lab ID:	Lab ID:
ALUMINUM	3.6000	50.0000		12800.0000	7330.0000	11200.0000		76.9000 B		
ANTIMONY	3.7000	40.0000	32.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
ARSENIC	0.3200	60.0000	38.9000	6.4000	3.3000	5.0000		0.0000 ND		
BARIUM	0.7500	2.0000	5600.000	71.1000	35.8000	60.8000		0.0000 ND		
BERYLLIUM	0.1100	0.3000	16.3000	0.6800	0.4500 B	0.7600		0.0000 ND		
CADMIUM	0.3200	4.0000	40.0000	1.1000	0.0000 ND	0.8800		0.0000 ND		
CALCIUM	0.7500	10.0000		38900.0000	20200.0000	30600.0000		211.0000 B		
CHROMIUM, TOTAL	0.7500	7.0000		10.2000	6.9000	11.0000		0.0000 ND		
COBALT	0.4300	7.0000		7.5000	5.8000	5.2000 B		0.0000 ND		
COPPER	0.6500	6.0000		11.6000	11.1000	14.8000		0.0000 ND		
IRON	0.5400	7.0000		15800.0000	11600.0000	13800.0000		57.9000 B		
LEAD	0.1100	50.0000	400.0000	9.3000	6.5000	8.2000		0.0000 ND		
MAGNESIUM	2.9000	30.0000		6190.0000	4010.0000	5420.0000		242.0000 B		
MANGANESE	0.1100	2.0000	400.0000	463.0000	270.0000	256.0000		0.0000 ND		
NICKEL	0.7500	15.0000	1600.000	11.9000	7.9000	11.2000		0.0000 ND		
POTASSIUM	1.1000	500.0000		2290.0000	1490.0000	2210.0000		183.0000 B		
SELENIUM	0.4300	80.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
SILVER	0.5400	7.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
SODIUM	5.5000	30.0000		391.0000 B	321.0000 B	433.0000 B		137.0000 B		
THALLIUM	0.4300	40.0000	7.2000	0.0000 ND	0.0000 ND	0.0000 ND		4.0000 B		
VANADIUM	0.3200	8.0000	720.0000	38.2000	27.3000	30.0000		0.0000 ND		
ZINC	0.3200	2.0000	24000.00	45.9000	33.0000	39.8000		14.7000 B		
ALUMINUM	3.8000	50.0000		5900.0000	2100.0000	1540.0000		76.9000 B		
ANTIMONY	3.9000	40.0000	32.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
ARSENIC	0.3400	60.0000	38.9000	2.7000	1.7000	0.7200 B		0.0000 ND		
BARIUM	0.8000	2.0000	5600.000	30.7000	42.1000	28.7000		0.0000 ND		
BERYLLIUM	0.1100	0.3000	16.3000	0.6100	0.1900 B	0.1100 B		0.0000 ND		
CADMIUM	0.3400	4.0000	40.0000	0.3900 B	0.0000 ND	0.0000 ND		0.0000 ND		
CALCIUM	0.8000	10.0000		3910.0000	2930.0000	1130.0000		211.0000 B		
CHROMIUM, TOTAL	0.8000	7.0000		4.6000	1.5000	1.5000		0.0000 ND		
COBALT	0.4600	7.0000		4.3000 B	2.5000 B	2.2000 B		0.0000 ND		
COPPER	0.6900	6.0000		9.2000	10.3000	43.5000		0.0000 ND		
IRON	0.5700	7.0000		7620.0000	3960.0000	3010.0000		57.9000 B		
LEAD	0.1100	50.0000	400.0000	6.5000	3.2000	2.8000		0.0000 ND		
MAGNESIUM	3.1000	30.0000		3670.0000	946.0000	693.0000		242.0000 B		
MANGANESE	0.1100	2.0000	400.0000	156.0000	60.9000	47.9000		0.0000 ND		
NICKEL	0.8000	15.0000	1600.000	6.0000	2.0000 B	2.1000 B		0.0000 ND		
POTASSIUM	1.1000	500.0000		1290.0000	428.0000 B	228.0000 B		183.0000 B		
SELENIUM	0.4600	80.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
SILVER	0.5700	7.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
SODIUM	5.8000	30.0000		280.0000 B	118.0000 B	114.0000 B		137.0000 B		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: *Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-08-4042 Lab ID: 940643-10	Field ID: KAFB-219-08-5557 Lab ID: 940643-11	Field ID: KAFB-219-08-6062 Lab ID: 940643-12	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-219-07219 Lab ID: 940643-06	Ambient Blank Field ID: Lab ID:	Lab ID:
THALLIUM	0.4600	40.0000	7.2000	0.0000 ND	0.0000 ND	0.0000 ND		4.0000 B		
VANADIUM	0.3400	8.0000	720.0000	14.6000	6.0000	6.5000		0.0000 ND		
ZINC	0.3400	2.0000	24000.00	33.2000	17.2000	30.1000		14.7000 B		
ALUMINUM	3.9000	50.0000		3340.0000	1520.0000	6370.0000		76.9000 B		
ANTIMONY	4.0000	40.0000	32.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
ARSENIC	0.3500	60.0000	38.9000	0.6000 B	0.7300 B	0.9500 B		0.0000 ND		
BARIUM	0.8200	2.0000	5600.000	52.9000	67.0000	51.5000		0.0000 ND		
BERYLLIUM	0.1200	0.3000	16.3000	0.2200 B	0.1500 B	0.6100		0.0000 ND		
CADMIUM	0.3500	4.0000	40.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
CALCIUM	0.8200	10.0000		1050.0000	964.0000	3710.0000		211.0000 B		
CHROMIUM, TOTAL	0.8200	7.0000		1.5000	2.1000	4.4000		0.0000 ND		
COBALT	0.4700	7.0000		1.9000 B	2.5000 B	5.0000		0.0000 ND		
COPPER	0.7000	6.0000		12.0000	57.7000	7.3000		0.0000 ND		
IRON	0.5900	7.0000		2790.0000	3300.0000	9960.0000		57.9000 B		
LEAD	0.1200	50.0000	400.0000	2.8000	5.4000	7.8000		0.0000 ND		
MAGNESIUM	3.2000	30.0000		1000.0000	702.0000	2720.0000		242.0000 B		
MANGANESE	0.1200	2.0000	400.0000	59.0000	234.0000	172.0000		0.0000 ND		
NICKEL	0.8200	15.0000	1600.000	2.4000 B	1.7000 B	6.7000		0.0000 ND		
POTASSIUM	1.2000	500.0000		458.0000 B	291.0000 B	900.0000		183.0000 B		
SELENIUM	0.4700	80.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
SILVER	0.5900	7.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
SODIUM	6.0000	30.0000		244.0000 B	116.0000 B	337.0000 B		137.0000 B		
THALLIUM	0.4700	40.0000	7.2000	0.0000 ND	0.0000 ND	0.0000 ND		4.0000 B		
VANADIUM	0.3500	8.0000	720.0000	4.6000 B	5.7000	16.7000		0.0000 ND		
ZINC	0.3500	2.0000	24000.00	15.1000	34.9000	35.8000		14.7000 B		
ALUMINUM	3.9000	50.0000		4640.0000	1740.0000			76.9000 B		
ANTIMONY	4.1000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		
ARSENIC	0.3600	60.0000	38.9000	1.7000	0.8400 B			0.0000 ND		
BARIUM	0.8300	2.0000	5600.000	67.9000	32.5000			0.0000 ND		
BERYLLIUM	0.1200	0.3000	16.3000	0.5000 B	0.1500 B			0.0000 ND		
CADMIUM	0.3600	4.0000	40.0000	0.0000 ND	0.0000 ND			0.0000 ND		
CALCIUM	0.8300	10.0000		45100.0000	1370.0000			211.0000 B		
CHROMIUM, TOTAL	0.8300	7.0000		3.5000	2.5000			0.0000 ND		
COBALT	0.4800	7.0000		3.4000 B	2.0000 B			0.0000 ND		
COPPER	0.7100	6.0000		12.6000	28.1000			0.0000 ND		
IRON	0.6000	7.0000		6610.0000	3160.0000			57.9000 B		
LEAD	0.1200	50.0000	400.0000	5.4000	3.1000			0.0000 ND		
MAGNESIUM	3.2000	30.0000		3030.0000	728.0000			242.0000 B		
MANGANESE	0.1200	2.0000	400.0000	271.0000	56.8000			0.0000 ND		
NICKEL	0.8300	15.0000	1600.000	5.0000	4.5000			0.0000 ND		
POTASSIUM	1.2000	500.0000		1040.0000	302.0000 B			183.0000 B		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: *Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-08-100102 Lab ID: 940643-16	Field ID: KAFB-219-99-7074 Lab ID: 940643-13	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-219-07219 Lab ID: 940643-06	Ambient Blank Field ID: Lab ID:	Lab ID:
SELENIUM	0.4800	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		
SILVER	0.6000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		
SODIUM	6.1000	30.0000		168.0000 B	130.0000 B			137.0000 B		
THALLIUM	0.4800	40.0000	7.2000	0.0000 ND	0.0000 ND			4.0000 B		
VANADIUM	0.3600	8.0000	720.0000	7.7000	4.8000 B			0.0000 ND		
ZINC	0.3600	2.0000	24000.00	28.2000	30.6000			14.7000 B		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-08-1012 Lab ID: 940643-07	Field ID: KAFB-219-08-2022 Lab ID: 940643-08	Field ID: KAFB-219-08-3032 Lab ID: 940643-09	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-219-07219 Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MERCURY	0.0400	0.1000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
MERCURY	0.0400	0.1000		0.0700 B	0.0000 ND	0.0500 B		0.0000 ND		
MERCURY	0.0400	0.1000		0.0000 ND	0.0500 B	0.0500 B		0.0000 ND		
MERCURY	0.0400	0.1000		0.0000 ND	0.1300			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: :
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-08-1012 Lab ID:	Field ID: KAFB-219-08-2022 Lab ID:	Field ID: KAFB-219-08-3032 Lab ID:	Trip Blank Field ID: KAFB-TB-02-072194 Lab ID:	Equipment Blank Field ID: KAFB-EB-219-07219 Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
GASOLINE COMPONENTS	620.0000	1.0000		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
GASOLINE COMPONENTS	590.0000	1.0000		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
GASOLINE COMPONENTS	2600.000	1.0000		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
GASOLINE COMPONENTS	700.0000	1.0000		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-08-1012 Lab ID:	Field ID: KAFB-219-08-2022 Lab ID:	Field ID: KAFB-219-08-3032 Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-RB07-072 Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
DIESEL COMPONENTS	12.0000	10.0000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
FUEL OILS	12.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
JET FUEL #4 (JP4)	12.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
JET FUEL #5 (JP5)	12.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
JET FUEL #8 (JP8)	12.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
KEROSENE	12.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
LUBRICATING OIL	12.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
MED. PETROLEUM DISTILLATE C8-C12 (ie:NAPHTHA etc.)	12.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
MOTOR OILS	12.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
DIESEL COMPONENTS	11.0000	10.0000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
FUEL OILS	11.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
JET FUEL #4 (JP4)	11.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
JET FUEL #5 (JP5)	11.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
JET FUEL #8 (JP8)	11.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
KEROSENE	11.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
LUBRICATING OIL	11.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
MED. PETROLEUM DISTILLATE C8-C12 (ie:NAPHTHA etc.)	11.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
MOTOR OILS	11.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
DIESEL COMPONENTS	1100.000	10.0000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
FUEL OILS	1100.000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
JET FUEL #4 (JP4)	1100.000	N/A		8500.0000	8500.0000	0.0000 ND		0.0000 ND		
JET FUEL #5 (JP5)	1100.000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
JET FUEL #8 (JP8)	1100.000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
KEROSENE	1100.000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
LUBRICATING OIL	1100.000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
MED. PETROLEUM DISTILLATE C8-C12 (ie:NAPHTHA etc.)	1100.000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
MOTOR OILS	1100.000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
DIESEL COMPONENTS	14.0000	10.0000		0.0000 ND	0.0000 ND			0.0000 ND		
FUEL OILS	14.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		
JET FUEL #4 (JP4)	14.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		
JET FUEL #5 (JP5)	14.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		
JET FUEL #8 (JP8)	14.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		
KEROSENE	14.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		
LUBRICATING OIL	14.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		
MED. PETROLEUM DISTILLATE C8-C12 (ie:NAPHTHA etc.)	14.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		
MOTOR OILS	14.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-08-1012 Lab ID: 940643-07	Field ID: KAFB-219-08-2022 Lab ID: 940643-08	Field ID: KAFB-219-08-3032 Lab ID: 940643-09	Trip Blank Field ID: KAFB-TB-01-072194 Lab ID: P280662	Equipment Blank Field ID: KAFB-EB-219-07219 Lab ID: 940643-06	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	6.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	6.0000	0.0050	35.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	6.0000	0.0050	123.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	6.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	6.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	6.0000	0.0050	7.6900	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,2-DICHLOROPROPYLENE	6.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
2-HEXANONE	12.0000	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ACETONE	12.0000	0.1000	8000.000	0.0000 ND	0.0000 ND	11.0000 J	0.0000 ND	0.0000 ND		
BENZENE	6.0000	0.0050	24.1000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	6.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMOFORM	6.0000	0.0050	88.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMOMETHANE	12.0000	0.0100	32.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CARBON DISULFIDE	6.0000	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	6.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROBENZENE	6.0000	N/A	2160.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROETHANE	12.0000	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROFORM	6.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROMETHANE	12.0000	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	6.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ETHYLBENZENE	6.0000	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	12.0000	0.1000	48000.00	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	12.0000	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	6.0000	0.0050	93.3000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
STYRENE	6.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	6.0000	0.0050	800.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TOLUENE	6.0000	0.0050	16000.00	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TOTAL 1,2-DICHLOROETHENE	N/A	N/A		4.0000 J	0.0000 ND	15.0000	0.0000 ND	0.0000 ND		
TRICHLOROETHYLENE (TCE)	6.0000	0.0050	63.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
VINYL CHLORIDE	12.0000	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
XYLENES, TOTAL	6.0000	0.0050	160000.0	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	6.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	6.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,1-TRICHLOROETHANE	6.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	6.0000	0.0050	35.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	6.0000	0.0050	123.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	6.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	6.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	6.0000	0.0050	7.6900	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,2-DICHLOROPROPYLENE	6.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
2-HEXANONE	12.0000	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

ANALYTCAL DATA SUMMARY

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-08-4042 Lab ID: 940643-10	Field ID: KAFB-219-08-5557 Lab ID: 940643-11	Field ID: KAFB-219-08-6062 Lab ID: 940643-12	Trip Blank Field ID: KAFB-TB-01-072194 Lab ID: P280662	Equipment Blank Field ID: KAFB-EB-219-07219 Lab ID: 940643-06	Ambient Blank Field ID: Lab ID:	Lab ID:
ACETONE	12.0000	0.1000	8000.000	0.0000 ND	11.0000	7.0000 J	0.0000 ND	0.0000 ND		
BENZENE	6.0000	0.0050	24.1000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	6.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMOFORM	6.0000	0.0050	88.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMOMETHANE	12.0000	0.0100	32.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CARBON DISULFIDE	6.0000	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	6.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROBENZENE	6.0000	N/A	2160.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROETHANE	12.0000	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROFORM	6.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROMETHANE	12.0000	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	6.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ETHYLBENZENE	6.0000	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	12.0000	0.1000	48000.00	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	12.0000	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	6.0000	0.0050	93.3000	0.0000 ND	4.0000 J	0.0000 ND	0.0000 ND	0.0000 ND		
STYRENE	6.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	6.0000	0.0050	800.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TOLUENE	6.0000	0.0050	16000.00	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TOTAL 1,2-DICHLOROETHENE	N/A	N/A		5.0000 J	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TRICHLOROETHYLENE (TCE)	6.0000	0.0050	63.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
VINYL CHLORIDE	12.0000	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
XYLENES, TOTAL	6.0000	0.0050	160000.0	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	6.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	6.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,1-TRICHLOROETHANE	26.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	26.0000	0.0050	35.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	26.0000	0.0050	123.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	26.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	26.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	26.0000	0.0050	7.6900	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,2-DICHLOROPROPYLENE	26.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
2-HEXANONE	51.0000	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ACETONE	51.0000	0.1000	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BENZENE	N/A	0.0050	24.1000	8.0000 J	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	26.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMOFORM	26.0000	0.0050	88.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMOMETHANE	51.0000	0.0100	32.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CARBON DISULFIDE	26.0000	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	26.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROBENZENE	26.0000	N/A	2160.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-08-7074 Lab ID: 940643-13	Field ID: KAFB-219-08-8084 Lab ID: 940643-14	Field ID: KAFB-219-08-9092 Lab ID: 940643-15	Trip Blank Field ID: KAFB-TB-01-072194 Lab ID: P280662	Equipment Blank Field ID: KAFB-EB-219-07219 Lab ID: 940643-06	Ambient Blank Field ID: Lab ID:	Lab ID:
CHLOROETHANE	51.0000	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROFORM	26.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROMETHANE	51.0000	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	26.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ETHYLBENZENE	26.0000	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	51.0000	0.1000	48000.00	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	51.0000	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	26.0000	0.0050	93.3000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
STYRENE	26.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	N/A	0.0050	800.0000	9.0000 J	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TOLUENE	N/A	0.0050	16000.00	6.0000 J	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TOTAL 1,2-DICHLOROETHENE	26.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TRICHLOROETHYLENE (TCE)	N/A	0.0050	63.6000	9.0000 J	0.0000 ND	23.0000	0.0000 ND	0.0000 ND		
VINYL CHLORIDE	51.0000	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
XYLENES, TOTAL	26.0000	0.0050	160000.0	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	26.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	26.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,1-TRICHLOROETHANE	6.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	6.0000	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	6.0000	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	6.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	6.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	6.0000	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROPROPYLENE	6.0000	N/A		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	12.0000	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ACETONE	N/A	0.1000	8000.000	16.0000	0.0000 ND		0.0000 ND	0.0000 ND		
BENZENE	6.0000	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	6.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	6.0000	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	12.0000	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON DISULFIDE	6.0000	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	6.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	6.0000	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	12.0000	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	6.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	12.0000	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	6.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	6.0000	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	12.0000	0.1000	48000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	12.0000	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	6.0000	0.0050	93.3000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-08-100102 Lab ID: 940643-16	Field ID: KAFB-219-99-7074 Lab ID: 940643-13	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-072194 Lab ID: P280662	Equipment Blank Field ID: KAFB-EB-219-07219 Lab ID: 940643-06	Ambient Blank Field ID: Lab ID:	Lab ID:
STYRENE	6.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	6.0000	0.0050	800.0000	0.0000 ND	11.0000 J		0.0000 ND	0.0000 ND		
TOLUENE	6.0000	0.0050	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOTAL 1,2-DICHLOROETHENE	6.0000	N/A		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TRICHLOROETHYLENE (TCE)	6.0000	0.0050	63.6000	0.0000 ND	41.0000		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	12.0000	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	6.0000	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	6.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	6.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units:

Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-08-1012 Lab ID:	Field ID: KAFB-219-08-2022 Lab ID:	Field ID: KAFB-219-08-3032 Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-219-07219 Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
1,2,4-TRICHLOROBENZENE	400.0000	0.7000	800.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
1,2-DICHLOROBENZENE	400.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
1,3-DICHLOROBENZENE	400.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
1,4-DICHLOROBENZENE	400.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2,4,5-TRICHLOROPHENOL	970.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2,4,6-TRICHLOROPHENOL	400.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2,4-DICHLOROPHENOL	400.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2,4-DIMETHYLPHENOL	400.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2,4-DINITROPHENOL	970.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2,4-DINITROTOLUENE	400.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2,6-DINITROTOLUENE	400.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2-CHLORONAPHTHALENE	400.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2-CHLOROPHENOL	400.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2-METHYLNAPHTHALENE	400.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2-METHYLPHENOL (o-CRESOL)	400.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2-NITROANILINE	970.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2-NITROPHENOL	400.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
3,3'-DICHLOROBENZIDINE	400.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
3-NITROANILINE	970.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
4,6-DINITRO-2-METHYLPHENOL	970.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
4-BROMOPHENYL PHENYL ETHER	400.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
4-CHLORO-3-METHYLPHENOL	400.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
4-CHLOROANILINE	400.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
4-CHLOROPHENYL PHENYL ETHER	400.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
4-METHYLPHENOL (p-CRESOL)	400.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
4-NITROANILINE	970.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
4-NITROPHENOL	970.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
ACENAPHTHENE	400.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
ACENAPHTHYLENE	400.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
ANTHRACENE	400.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
BENZO(a)ANTHRACENE	400.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
BENZO(a)PYRENE	400.0000	0.7000	959.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
BENZO(b)FLUORANTHENE	400.0000	0.7000	95.9000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
BENZO(g,h,i)PERYLENE	400.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
BENZO(k)FLUORANTHENE	400.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
BENZYL BUTYL PHTHALATE	400.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
CARBAZOLE	400.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
CHRYSENE	400.0000	0.7000	9.5900	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
DI-n-BUTYL PHTHALATE	400.0000	0.7000	8000.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
DI-n-OCTYLPHTHALATE	400.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
DIBENZ(a,h)ANTHRACENE	400.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units:

ANALYTCAL DATA SUMMARY

Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-08-1012 Lab ID:	Field ID: KAFB-219-08-2022 Lab ID:	Field ID: KAFB-219-08-3032 Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-219-07219 Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
DIBENZOFURAN	400.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
DIETHYL PHTHALATE	400.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
DIMETHYL PHTHALATE	400.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
FLUORANTHENE	400.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
FLUORENE	400.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
HEXACHLOROBENZENE	400.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
HEXACHLOROBUTADIENE	400.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
HEXACHLOROCYCLOPENTADIENE	400.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
HEXACHLOROETHANE	400.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
INDENO(1,2,3-c,d)PYRENE	400.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
ISOPHORONE	400.0000	0.7000	7370.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
N-NITROSODI-n-PROPYLAMINE	400.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
N-NITROSODIPHENYLAMINE	400.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
NAPHTHALENE	400.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
NITROBENZENE	400.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
PENTACHLOROPHENOL	970.0000	3.3000	5.8300	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
PHENANTHRENE	400.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
PHENOL	400.0000	0.3000	48000.00	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
PYRENE	400.0000	0.7000	2400.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
bis(2-CHLOROETHOXY) METHANE	400.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	400.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
bis(2-CHLOROISOPROPYL) ETHER	400.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
bis(2-ETHYLHEXYL) PHTHALATE	400.0000	0.7000	50.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
1,2,4-TRICHLOROBENZENE	370.0000	0.7000	800.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
1,2-DICHLOROBENZENE	370.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
1,3-DICHLOROBENZENE	370.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
1,4-DICHLOROBENZENE	370.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2,4,5-TRICHLOROPHENOL	900.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2,4,6-TRICHLOROPHENOL	370.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2,4-DICHLOROPHENOL	370.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2,4-DIMETHYLPHENOL	370.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2,4-DINITROPHENOL	900.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2,4-DINITROTOLUENE	370.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2,6-DINITROTOLUENE	370.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2-CHLORONAPHTHALENE	370.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2-CHLOROPHENOL	370.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2-METHYLNAPHTHALENE	370.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2-METHYLPHENOL (o-CRESOL)	370.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2-NITROANILINE	900.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2-NITROPHENOL	370.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
3,3'-DICHLOROBENZIDINE	370.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units:

Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-08-4042 Lab ID:	Field ID: KAFB-219-08-5557 Lab ID:	Field ID: KAFB-219-08-6062 Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-219-07219 Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
3-NITROANILINE	900.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
4,6-DINITRO-2-METHYLPHENOL	900.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
4-BROMOPHENYL PHENYL ETHER	370.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
4-CHLORO-3-METHYLPHENOL	370.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
4-CHLOROANILINE	370.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
4-CHLOROPHENYL PHENYL ETHER	370.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
4-METHYLPHENOL (p-CRESOL)	370.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
4-NITROANILINE	900.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
4-NITROPHENOL	900.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
ACENAPHTHENE	370.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
ACENAPHTHYLENE	370.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
ANTHRACENE	370.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
BENZO(a)ANTHRACENE	370.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
BENZO(a)PYRENE	370.0000	0.7000	959.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
BENZO(b)FLUORANTHENE	370.0000	0.7000	95.9000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
BENZO(g,h,i)PERYLENE	370.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
BENZO(k)FLUORANTHENE	370.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
BENZYL BUTYL PHTHALATE	370.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
CARBAZOLE	370.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
CHRYSENE	370.0000	0.7000	9.5900	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
DI-n-BUTYL PHTHALATE	370.0000	0.7000	8000.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
DI-n-OCTYLPHTHALATE	370.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
DIBENZ(a,h)ANTHRACENE	370.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
DIBENZOFURAN	370.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
DIETHYL PHTHALATE	370.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
DIMETHYL PHTHALATE	370.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
FLUORANTHENE	370.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
FLUORENE	370.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
HEXACHLOROBENZENE	370.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
HEXACHLOROBUTADIENE	370.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
HEXACHLOROCYCLOPENTADIENE	370.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
HEXACHLOROETHANE	370.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
INDENO(1,2,3-c,d)PYRENE	370.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
ISOPHORONE	370.0000	0.7000	7370.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
N-NITROSODI-n-PROPYLAMINE	370.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
N-NITROSODIPHENYLAMINE	370.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
NAPHTHALENE	370.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
NITROBENZENE	370.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
PENTACHLOROPHENOL	900.0000	3.3000	5.8300	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
PHENANTHRENE	370.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
PHENOL	370.0000	0.3000	48000.00	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units:

Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-08-4042 Lab ID:	Field ID: KAFB-219-08-5557 Lab ID:	Field ID: KAFB-219-08-6062 Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-219-07219 Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
PYRENE	370.0000	0.7000	2400.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
bis(2-CHLOROETHOXY) METHANE	370.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	370.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
bis(2-CHLOROISOPROPYL) ETHER	370.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
bis(2-ETHYLHEXYL) PHTHALATE	370.0000	0.7000	50.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
1,2,4-TRICHLOROBENZENE	37000.00	0.7000	800.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
1,2-DICHLOROBENZENE	37000.00	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
1,3-DICHLOROBENZENE	37000.00	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
1,4-DICHLOROBENZENE	37000.00	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2,4,5-TRICHLOROPHENOL	90000.00	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2,4,6-TRICHLOROPHENOL	37000.00	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2,4-DICHLOROPHENOL	37000.00	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2,4-DIMETHYLPHENOL	37000.00	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2,4-DINITROPHENOL	90000.00	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2,4-DINITROTOLUENE	37000.00	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2,6-DINITROTOLUENE	37000.00	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2-CHLORONAPHTHALENE	37000.00	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2-CHLOROPHENOL	37000.00	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2-METHYLNAPHTHALENE	37000.00	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2-METHYLPHENOL (o-CRESOL)	37000.00	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2-NITROANILINE	90000.00	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2-NITROPHENOL	37000.00	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
3,3'-DICHLOROBENZIDINE	37000.00	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
3-NITROANILINE	90000.00	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
4,6-DINITRO-2-METHYLPHENOL	90000.00	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
4-BROMOPHENYL PHENYL ETHER	37000.00	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
4-CHLORO-3-METHYLPHENOL	37000.00	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
4-CHLOROANILINE	37000.00	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
4-CHLOROPHENYL PHENYL ETHER	37000.00	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
4-METHYLPHENOL (p-CRESOL)	37000.00	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
4-NITROANILINE	90000.00	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
4-NITROPHENOL	90000.00	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
ACENAPHTHENE	37000.00	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
ACENAPHTHYLENE	37000.00	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
ANTHRACENE	37000.00	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
BENZO(a)ANTHRACENE	37000.00	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
BENZO(a)PYRENE	37000.00	0.7000	959.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
BENZO(b)FLUORANTHENE	37000.00	0.7000	95.9000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
BENZO(g,h,i)PERYLENE	37000.00	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
BENZO(k)FLUORANTHENE	37000.00	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
BENZYL BUTYL PHTHALATE	37000.00	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units:

Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-08-7074 Lab ID:	Field ID: KAFB-219-08-8084 Lab ID:	Field ID: KAFB-219-08-9092 Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-219-07219 Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
CARBAZOLE	37000.00	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
CHRYSENE	37000.00	0.7000	9.5900	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
DI-n-BUTYL PHTHALATE	37000.00	0.7000	8000.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
DI-n-OCTYLPHTHALATE	37000.00	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
DIBENZ(a,h)ANTHRACENE	37000.00	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
DIBENZOFURAN	37000.00	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
DIETHYL PHTHALATE	37000.00	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
DIMETHYL PHTHALATE	37000.00	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
FLUORANTHENE	37000.00	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
FLUORENE	37000.00	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
HEXACHLOROBENZENE	37000.00	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
HEXACHLOROBUTADIENE	37000.00	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
HEXACHLOROCYCLOPENTADIENE	37000.00	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
HEXACHLOROETHANE	37000.00	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
INDENO(1,2,3-c,d)PYRENE	37000.00	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
ISOPHORONE	37000.00	0.7000	7370.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
N-NITROSODI-n-PROPYLAMINE	37000.00	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
N-NITROSODIPHENYLAMINE	37000.00	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
NAPHTHALENE	N/A	0.7000	3200.000	19000.0000 J	0.0000 ND	0.0000 ND		0.0000 ND		
NITROBENZENE	37000.00	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
PENTACHLOROPHENOL	90000.00	3.3000	5.8300	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
PHENANTHRENE	37000.00	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
PHENOL	37000.00	0.3000	48000.00	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
PYRENE	37000.00	0.7000	2400.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
bis(2-CHLOROETHOXY) METHANE	37000.00	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	37000.00	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
bis(2-CHLOROISOPROPYL) ETHER	37000.00	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
bis(2-ETHYLHEXYL) PHTHALATE	37000.00	0.7000	50.0000	0.0000 ND	420.0000	0.0000 ND		0.0000 ND		
1,2,4-TRICHLOROBENZENE	400.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		
1,2-DICHLOROBENZENE	400.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
1,3-DICHLOROBENZENE	400.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
1,4-DICHLOROBENZENE	400.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4,5-TRICHLOROPHENOL	970.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4,6-TRICHLOROPHENOL	400.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4-DICHLOROPHENOL	400.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4-DIMETHYLPHENOL	400.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4-DINITROPHENOL	970.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4-DINITROTOLUENE	400.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
2,6-DINITROTOLUENE	400.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
2-CHLORONAPHTHALENE	400.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
2-CHLOROPHENOL	400.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units:

ANALYTCAL DATA SUMMARY

Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-08-100102 Lab ID:	Field ID: KAFB-219-99-7074 Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-219-07219 Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
2-METHYLNAPHTHALENE	400.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		
2-METHYLPHENOL (o-CRESOL)	400.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2-NITROANILINE	970.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2-NITROPHENOL	400.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
3,3'-DICHLOROBENZIDINE	400.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		
3-NITROANILINE	970.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4,6-DINITRO-2-METHYLPHENOL	970.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-BROMOPHENYL PHENYL ETHER	400.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
4-CHLORO-3-METHYLPHENOL	400.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-CHLOROANILINE	400.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-CHLOROPHENYL PHENYL ETHER	400.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
4-METHYLPHENOL (p-CRESOL)	400.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-NITROANILINE	970.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-NITROPHENOL	970.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		
ACENAPHTHENE	400.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
ACENAPHTHYLENE	400.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
ANTHRACENE	400.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(a)ANTHRACENE	400.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(a)PYRENE	400.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(b)FLUORANTHENE	400.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(g,h,i)PERYLENE	400.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(k)FLUORANTHENE	400.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		
BENZYL BUTYL PHTHALATE	400.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
CARBAZOLE	400.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		
CHRYSENE	400.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		
DI-n-BUTYL PHTHALATE	400.0000	0.7000	8000.000	0.0000 ND	0.0000 ND			0.0000 ND		
DI-n-OCTYLPHTHALATE	400.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
DIBENZ(a,h)ANTHRACENE	400.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
DIBENZOFURAN	400.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
DIETHYL PHTHALATE	400.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
DIMETHYL PHTHALATE	400.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
FLUORANTHENE	400.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		
FLUORENE	400.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		
HEXACHLOROBENZENE	400.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
HEXACHLOROBUTADIENE	400.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
HEXACHLOROCYCLOPENTADIENE	400.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
HEXACHLOROETHANE	400.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
INDENO(1,2,3-c,d)PYRENE	400.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
ISOPHORONE	400.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		
N-NITROSODI-n-PROPYLAMINE	400.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
N-NITROSODIPHENYLAMINE	400.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units:

Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-08-100102 Lab ID:	Field ID: KAFB-219-99-7074 Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-219-07219 Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
NAPHTHALENE	400.0000	0.7000	3200.000	0.0000 ND	8800.0000 J			0.0000 ND		
NITROBENZENE	400.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
PENTACHLOROPHENOL	970.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		
PHENANTHRENE	400.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
PHENOL	400.0000	0.3000	48000.00	0.0000 ND	0.0000 ND			0.0000 ND		
PYRENE	400.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		
bis(2-CHLOROETHOXY) METHANE	400.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	400.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
bis(2-CHLOROISOPROPYL) ETHER	400.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
bis(2-ETHYLHEXYL) PHTHALATE	N/A	0.7000	50.0000	120.0000 J	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: :
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-09-1012 Lab ID:	Field ID: KAFB-219-09-2022 Lab ID:	Field ID: KAFB-219-09-3032 Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
GASOLINE COMPONENTS	81000.00	1.0000		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
GASOLINE COMPONENTS	74000.00	1.0000		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
GASOLINE COMPONENTS	65000.00	1.0000		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
GASOLINE COMPONENTS	74000.00	1.0000		0.0000 ND			ND	ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-09-1012 Lab ID:	Field ID: KAFB-219-09-2022 Lab ID:	Field ID: KAFB-219-09-3032 Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
	N/A	N/A		0.0000	0.0000 ND	0.0000				
DIESEL COMPONENTS	11.0000	10.0000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
FUEL OILS	11.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
JET FUEL #4 (JP4)	11.0000	N/A		620.0000	360.0000	2800.0000		ND		
JET FUEL #5 (JP5)	11.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
JET FUEL #8 (JP8)	11.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
KEROSENE	11.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
LUBRICATING OIL	11.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
MED. PETROLEUM DISTILLATE C8-C12 (ie:NAPHTHA etc.)	11.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
MOTOR OILS	11.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
	N/A	N/A		0.0000	0.0000	0.0000				
DIESEL COMPONENTS	120.0000	10.0000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
FUEL OILS	120.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
JET FUEL #4 (JP4)	120.0000	N/A		6700.0000	110.0000	13000.0000		ND		
JET FUEL #5 (JP5)	120.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
JET FUEL #8 (JP8)	120.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
KEROSENE	120.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
LUBRICATING OIL	120.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
MED. PETROLEUM DISTILLATE C8-C12 (ie:NAPHTHA etc.)	120.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
MOTOR OILS	120.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
	N/A	N/A		0.0000	0.0000	0.0000				
DIESEL COMPONENTS	100.0000	10.0000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
FUEL OILS	100.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
JET FUEL #4 (JP4)	100.0000	N/A		1900.0000	4100.0000	3200.0000		ND		
JET FUEL #5 (JP5)	100.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
JET FUEL #8 (JP8)	100.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
KEROSENE	100.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
LUBRICATING OIL	100.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
MED. PETROLEUM DISTILLATE C8-C12 (ie:NAPHTHA etc.)	100.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
MOTOR OILS	100.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
	N/A	N/A		0.0000						
DIESEL COMPONENTS	1100.000	10.0000		0.0000 ND				ND		
FUEL OILS	1100.000	N/A		0.0000 ND				ND		
JET FUEL #4 (JP4)	1100.000	N/A		49000.0000				ND		
JET FUEL #5 (JP5)	1100.000	N/A		0.0000 ND				ND		
JET FUEL #8 (JP8)	1100.000	N/A		0.0000 ND				ND		
KEROSENE	1100.000	N/A		0.0000 ND				ND		
LUBRICATING OIL	1100.000	N/A		0.0000 ND				ND		
MED. PETROLEUM DISTILLATE C8-C12 (ie:NAPHTHA etc.)	1100.000	N/A		0.0000 ND				ND		
MOTOR OILS	1100.000	N/A		0.0000 ND				ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-09-1012 Lab ID: 940651-03	Field ID: KAFB-219-09-2022 Lab ID: 940651-04	Field ID: KAFB-219-09-3032 Lab ID: 940651-05	Trip Blank Field ID: Lab ID: 940651-02	Equipment Blank Field ID: Lab ID: 940651-01	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	700.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
1,1,2,2-TETRACHLOROETHANE	700.0000	0.0050	35.0000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
1,1,2-TRICHLOROETHANE	700.0000	0.0050	123.0000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
1,1-DICHLOROETHANE	700.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
1,1-DICHLOROETHENE	700.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
1,2-DICHLOROETHANE	700.0000	0.0050	7.6900	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
1,2-DICHLOROPROPYLENE	700.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
2-HEXANONE	1400.000	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
ACETONE	1400.000	0.1000	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
BENZENE	700.0000	0.0050	24.1000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
BROMODICHLOROMETHANE	700.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
BROMOFORM	700.0000	0.0050	88.6000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
BROMOMETHANE	N/A	0.0100	32.0000	720.0000 BJ	670.0000 BJ	510.0000 BJ	ND	ND		
CARBON DISULFIDE	700.0000	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
CARBON TETRACHLORIDE	700.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
CHLOROBENZENE	700.0000	N/A	2160.000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
CHLOROETHANE	1400.000	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
CHLOROFORM	700.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
CHLOROMETHANE	1400.000	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
DIBROMOCHLOROMETHANE	700.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
ETHYLBENZENE	N/A	0.0050	8000.000	320.0000 J	540.0000 J	1400.0000	ND	ND		
METHYL ETHYL KETONE (2-BUTANONE)	1400.000	0.1000	48000.00	0.0000 ND	1900.0000	0.0000 ND	ND	ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	1400.000	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
METHYLENE CHLORIDE	700.0000	0.0050	93.3000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
STYRENE	700.0000	0.0050		0.0000 ND	720.0000	280.0000 J	ND	ND		
TETRACHLOROETHYLENE(PCE)	N/A	0.0050	800.0000	210.0000 J	190.0000 J	200.0000 J	ND	ND		
TOLUENE	700.0000	0.0050	16000.00	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
TOTAL 1,2-DICHLOROETHENE	700.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
TRICHLOROETHYLENE (TCE)	N/A	0.0050	63.6000	460.0000 J	190.0000 J	1800.0000	J	ND		
VINYL CHLORIDE	1400.000	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
XYLENES, TOTAL	N/A	0.0050	160000.0	300.0000 J	510.0000 J	2500.0000	ND	ND		
cis-1,3-DICHLOROPROPENE	700.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
trans-1,3-DICHLOROPROPENE	700.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
1,1,1-TRICHLOROETHANE	740.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
1,1,2,2-TETRACHLOROETHANE	740.0000	0.0050	35.0000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
1,1,2-TRICHLOROETHANE	740.0000	0.0050	123.0000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
1,1-DICHLOROETHANE	740.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
1,1-DICHLOROETHENE	740.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
1,2-DICHLOROETHANE	740.0000	0.0050	7.6900	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
1,2-DICHLOROPROPYLENE	740.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
2-HEXANONE	1500.000	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-09-4044 Lab ID: 940651-06	Field ID: KAFB-219-09-5052 Lab ID: 940651-07	Field ID: KAFB-219-09-6062 Lab ID: 940651-08	Trip Blank Field ID: Lab ID: 940651-02	Equipment Blank Field ID: Lab ID: 940651-01	Ambient Blank Field ID: Lab ID:	Lab ID:
ACETONE	1500.000	0.1000	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
BENZENE	N/A	0.0050	24.1000	160.0000 J	0.0000 ND	0.0000 ND	ND	ND		
BROMODICHLOROMETHANE	740.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
BROMOFORM	740.0000	0.0050	88.6000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
BROMOMETHANE	N/A	0.0100	32.0000	480.0000 BJ	230.0000 BJ	0.0000 ND	ND	ND		
CARBON DISULFIDE	740.0000	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
CARBON TETRACHLORIDE	740.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
CHLOROBENZENE	740.0000	N/A	2160.000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
CHLOROETHANE	1500.000	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
CHLOROFORM	740.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
CHLOROMETHANE	1500.000	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
DIBROMOCHLOROMETHANE	740.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
ETHYLBENZENE	N/A	0.0050	8000.000	1800.0000	0.0000 ND	560.0000 J	ND	ND		
METHYL ETHYL KETONE (2-BUTANONE)	N/A	0.1000	48000.00	2200.0000	1600.0000	0.0000 ND	ND	ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	1500.000	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
METHYLENE CHLORIDE	740.0000	0.0050	93.3000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
STYRENE	740.0000	0.0050		0.0000 ND	590.0000 J	0.0000 ND	ND	ND		
TETRACHLOROETHYLENE(PCE)	740.0000	0.0050	800.0000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
TOLUENE	740.0000	0.0050	16000.00	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
TOTAL 1,2-DICHLOROETHENE	740.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
TRICHLOROETHYLENE (TCE)	N/A	0.0050	63.6000	2000.0000	0.0000 ND	830.0000	J	ND		
VINYL CHLORIDE	1500.000	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
XYLENES, TOTAL	N/A	0.0050	160000.0	3100.0000	470.0000 J	1100.0000	ND	ND		
cis-1,3-DICHLOROPROPENE	740.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
trans-1,3-DICHLOROPROPENE	740.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
1,1,1-TRICHLOROETHANE	650.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
1,1,2,2-TETRACHLOROETHANE	650.0000	0.0050	35.0000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
1,1,2-TRICHLOROETHANE	650.0000	0.0050	123.0000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
1,1-DICHLOROETHANE	650.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
1,1-DICHLOROETHENE	650.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
1,2-DICHLOROETHANE	650.0000	0.0050	7.6900	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
1,2-DICHLOROPROPYLENE	650.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
2-HEXANONE	1300.000	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
ACETONE	N/A	0.1000	8000.000	2300.0000 B	0.0000 ND	0.0000 ND	ND	ND		
BENZENE	650.0000	0.0050	24.1000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
BROMODICHLOROMETHANE	650.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
BROMOFORM	650.0000	0.0050	88.6000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
BROMOMETHANE	1300.000	0.0100	32.0000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
CARBON DISULFIDE	650.0000	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
CARBON TETRACHLORIDE	650.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
CHLOROBENZENE	650.0000	N/A	2160.000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-09-7072 Lab ID: 940651-09	Field ID: KAFB-219-09-8082 Lab ID: 940651-10	Field ID: KAFB-219-09-9092 Lab ID: 940651-11	Trip Blank Field ID: Lab ID: 940651-02	Equipment Blank Field ID: Lab ID: 940651-01	Ambient Blank Field ID: Lab ID:	Lab ID:
CHLOROETHANE	1300.000	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
CHLOROFORM	650.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
CHLOROMETHANE	1300.000	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
DIBROMOCHLOROMETHANE	650.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
ETHYLBENZENE	650.0000	0.0050	8000.000	0.0000 ND	640.0000 J	0.0000 ND	ND	ND		
METHYL ETHYL KETONE (2-BUTANONE)	1300.000	0.1000	48000.00	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	1300.000	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
METHYLENE CHLORIDE	650.0000	0.0050	93.3000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
STYRENE	650.0000	0.0050		0.0000 ND	0.0000 ND	580.0000 J	ND	ND		
TETRACHLOROETHYLENE(PCE)	650.0000	0.0050	800.0000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
TOLUENE	N/A	0.0050	16000.00	170.0000 J	210.0000 J	0.0000 ND	ND	ND		
TOTAL 1,2-DICHLOROETHENE	650.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
TRICHLOROETHYLENE (TCE)	N/A	0.0050	63.6000	460.0000 J	180.0000 J	390.0000 J	J	ND		
VINYL CHLORIDE	1300.000	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
XYLENES, TOTAL	N/A	0.0050	160000.0	560.0000 J	550.0000 J	840.0000	ND	ND		
cis-1,3-DICHLOROPROPENE	650.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
trans-1,3-DICHLOROPROPENE	650.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
1,1,1-TRICHLOROETHANE	740.0000	0.0050		0.0000 ND			ND	ND		
1,1,2,2-TETRACHLOROETHANE	740.0000	0.0050	35.0000	0.0000 ND			ND	ND		
1,1,2-TRICHLOROETHANE	740.0000	0.0050	123.0000	0.0000 ND			ND	ND		
1,1-DICHLOROETHANE	740.0000	0.0050		0.0000 ND			ND	ND		
1,1-DICHLOROETHENE	740.0000	0.0050		0.0000 ND			ND	ND		
1,2-DICHLOROETHANE	740.0000	0.0050	7.6900	0.0000 ND			ND	ND		
1,2-DICHLOROPROPYLENE	740.0000	N/A		0.0000 ND			ND	ND		
2-HEXANONE	1500.000	0.0500		0.0000 ND			ND	ND		
ACETONE	N/A	0.1000	8000.000	1900.0000			ND	ND		
BENZENE	740.0000	0.0050	24.1000	0.0000 ND			ND	ND		
BROMODICHLOROMETHANE	740.0000	0.0050		0.0000 ND			ND	ND		
BROMOFORM	740.0000	0.0050	88.6000	0.0000 ND			ND	ND		
BROMOMETHANE	1500.000	0.0100	32.0000	0.0000 ND			ND	ND		
CARBON DISULFIDE	740.0000	0.0050	8000.000	0.0000 ND			ND	ND		
CARBON TETRACHLORIDE	740.0000	0.0050		0.0000 ND			ND	ND		
CHLOROBENZENE	740.0000	N/A	2160.000	0.0000 ND			ND	ND		
CHLOROETHANE	1500.000	0.0100		0.0000 ND			ND	ND		
CHLOROFORM	740.0000	0.0050		0.0000 ND			ND	ND		
CHLOROMETHANE	1500.000	0.0100		0.0000 ND			ND	ND		
DIBROMOCHLOROMETHANE	740.0000	0.0050		0.0000 ND			ND	ND		
ETHYLBENZENE	N/A	0.0050	8000.000	920.0000			ND	ND		
METHYL ETHYL KETONE (2-BUTANONE)	N/A	0.1000	48000.00	2500.0000			ND	ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	1500.000	0.0500		0.0000 ND			ND	ND		
METHYLENE CHLORIDE	740.0000	0.0050	93.3000	0.0000 ND			ND	ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-09-100102 Lab ID: 940651-12	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID: 940651-02	Equipment Blank Field ID: Lab ID: 940651-01	Ambient Blank Field ID: Lab ID:	Lab ID:
STYRENE	N/A	0.0050		790.0000			ND	ND		
TETRACHLOROETHYLENE(PCE)	740.0000	0.0050	800.0000	0.0000 ND			ND	ND		
TOLUENE	N/A	0.0050	16000.00	210.0000 J			ND	ND		
TOTAL 1,2-DICHLOROETHENE	740.0000	N/A		0.0000 ND			ND	ND		
TRICHLOROETHYLENE (TCE)	N/A	0.0050	63.6000	1100.0000			J	ND		
VINYL CHLORIDE	1500.000	0.0100		0.0000 ND			ND	ND		
XYLENES, TOTAL	N/A	0.0050	160000.0	2100.0000			ND	ND		
cis-1,3-DICHLOROPROPENE	740.0000	0.0050		0.0000 ND			ND	ND		
trans-1,3-DICHLOROPROPENE	740.0000	0.0050		0.0000 ND			ND	ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units:

Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-09-1012 Lab ID:	Field ID: KAFB-219-09-2022 Lab ID:	Field ID: KAFB-219-09-3032 Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
1,2,4-TRICHLOROBENZENE	380.0000	0.7000	800.0000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
1,2-DICHLOROBENZENE	380.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
1,3-DICHLOROBENZENE	380.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
1,4-DICHLOROBENZENE	380.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2,4,5-TRICHLOROPHENOL	920.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2,4,6-TRICHLOROPHENOL	380.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2,4-DICHLOROPHENOL	380.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2,4-DIMETHYLPHENOL	380.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2,4-DINITROPHENOL	920.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2,4-DINITROTOLUENE	380.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2,6-DINITROTOLUENE	380.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2-CHLORONAPHTHALENE	380.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2-CHLOROPHENOL	380.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2-METHYLNAPHTHALENE	N/A	0.7000	3200.000	96.0000 J	69.0000 J	0.0000 ND		ND		
2-METHYLPHENOL (o-CRESOL)	380.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2-NITROANILINE	920.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2-NITROPHENOL	380.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
3,3'-DICHLOROBENZIDINE	380.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
3-NITROANILINE	920.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
4,6-DINITRO-2-METHYLPHENOL	920.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
4-BROMOPHENYL PHENYL ETHER	380.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
4-CHLORO-3-METHYLPHENOL	380.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
4-CHLOROANILINE	380.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
4-CHLOROPHENYL PHENYL ETHER	380.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
4-METHYLPHENOL (p-CRESOL)	380.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
4-NITROANILINE	920.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
4-NITROPHENOL	920.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
ACENAPHTHENE	380.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
ACENAPHTHYLENE	380.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
ANTHRACENE	380.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
BENZO(a)ANTHRACENE	380.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
BENZO(a)PYRENE	380.0000	0.7000	959.0000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
BENZO(b)FLUORANTHENE	380.0000	0.7000	95.9000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
BENZO(g,h,i)PERYLENE	380.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
BENZO(k)FLUORANTHENE	380.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
BENZYL BUTYL PHTHALATE	380.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
CARBAZOLE	380.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
CHRYSENE	380.0000	0.7000	9.5900	0.0000 ND	0.0000 ND	0.0000 ND		ND		
DI-n-BUTYL PHTHALATE	380.0000	0.7000	8000.000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
DI-n-OCTYLPHTHALATE	380.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
DIBENZ(a,h)ANTHRACENE	380.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units:

Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-09-1012 Lab ID:	Field ID: KAFB-219-09-2022 Lab ID:	Field ID: KAFB-219-09-3032 Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
DIBENZOFURAN	380.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
DIETHYL PHTHALATE	380.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
DIMETHYL PHTHALATE	380.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
FLUORANTHENE	380.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
FLUORENE	380.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
HEXACHLOROBENZENE	380.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
HEXACHLOROBUTADIENE	380.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
HEXACHLOROCYCLOPENTADIENE	380.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
HEXACHLOROETHANE	380.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
INDENO(1,2,3-c,d)PYRENE	380.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
ISOPHORONE	380.0000	0.7000	7370.000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
N-NITROSODI-n-PROPYLAMINE	380.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
N-NITROSODIPHENYLAMINE	380.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
NAPHTHALENE	N/A	0.7000	3200.000	230.0000 J	230.0000 J	1300.0000 J		ND		
NITROBENZENE	380.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
PENTACHLOROPHENOL	920.0000	3.3000	5.8300	0.0000 ND	0.0000 ND	0.0000 ND		ND		
PHENANTHRENE	380.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
PHENOL	380.0000	0.3000	48000.00	0.0000 ND	0.0000 ND	0.0000 ND		ND		
PYRENE	380.0000	0.7000	2400.000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
bis(2-CHLOROETHOXY) METHANE	380.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	380.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
bis(2-CHLOROISOPROPYL) ETHER	380.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
bis(2-ETHYLHEXYL) PHTHALATE	N/A	0.7000	50.0000	480.0000	43.0000 J	0.0000 ND		ND		
1,2,4-TRICHLOROBENZENE	4000.000	0.7000	800.0000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
1,2-DICHLOROBENZENE	4000.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
1,3-DICHLOROBENZENE	4000.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
1,4-DICHLOROBENZENE	4000.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2,4,5-TRICHLOROPHENOL	9700.000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2,4,6-TRICHLOROPHENOL	4000.000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2,4-DICHLOROPHENOL	4000.000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2,4-DIMETHYLPHENOL	4000.000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2,4-DINITROPHENOL	9700.000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2,4-DINITROTOLUENE	4000.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2,6-DINITROTOLUENE	4000.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2-CHLORONAPHTHALENE	4000.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2-CHLOROPHENOL	4000.000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2-METHYLNAPHTHALENE	N/A	0.7000	3200.000	820.0000 J	0.0000 ND	760.0000 J		ND		
2-METHYLPHENOL (o-CRESOL)	4000.000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2-NITROANILINE	9700.000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2-NITROPHENOL	4000.000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
3,3'-DICHLOROBENZIDINE	4000.000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units:

ANALYTCAL DATA SUMMARY

Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-09-4044 Lab ID:	Field ID: KAFB-219-09-5052 Lab ID:	Field ID: KAFB-219-09-6062 Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
3-NITROANILINE	9700.000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
4,6-DINITRO-2-METHYLPHENOL	9700.000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
4-BROMOPHENYL PHENYL ETHER	4000.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
4-CHLORO-3-METHYLPHENOL	4000.000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
4-CHLOROANILINE	4000.000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
4-CHLOROPHENYL PHENYL ETHER	4000.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
4-METHYLPHENOL (p-CRESOL)	4000.000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
4-NITROANILINE	9700.000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
4-NITROPHENOL	9700.000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
ACENAPHTHENE	4000.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
ACENAPHTHYLENE	4000.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
ANTHRACENE	4000.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
BENZO(a)ANTHRACENE	4000.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
BENZO(a)PYRENE	4000.000	0.7000	959.0000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
BENZO(b)FLUORANTHENE	4000.000	0.7000	95.9000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
BENZO(g,h,i)PERYLENE	4000.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
BENZO(k)FLUORANTHENE	4000.000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
BENZYL BUTYL PHTHALATE	4000.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
CARBAZOLE	4000.000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
CHRYSENE	4000.000	0.7000	9.5900	0.0000 ND	0.0000 ND	0.0000 ND		ND		
DI-n-BUTYL PHTHALATE	4000.000	0.7000	8000.000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
DI-n-OCTYLPHTHALATE	4000.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
DIBENZ(a,h)ANTHRACENE	4000.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
DIBENZOFURAN	4000.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
DIETHYL PHTHALATE	4000.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
DIMETHYL PHTHALATE	4000.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
FLUORANTHENE	4000.000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
FLUORENE	4000.000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
HEXACHLOROBENZENE	4000.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
HEXACHLOROBUTADIENE	4000.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
HEXACHLOROCYCLOPENTADIENE	4000.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
HEXACHLOROETHANE	4000.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
INDENO(1,2,3-c,d)PYRENE	4000.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
ISOPHORONE	4000.000	0.7000	7370.000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
N-NITROSODI-n-PROPYLAMINE	4000.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
N-NITROSODIPHENYLAMINE	4000.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
NAPHTHALENE	N/A	0.7000	3200.000	5100.0000	0.0000 ND	3800.0000		ND		
NITROBENZENE	4000.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
PENTACHLOROPHENOL	9700.000	3.3000	5.8300	0.0000 ND	0.0000 ND	0.0000 ND		ND		
PHENANTHRENE	4000.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
PHENOL	4000.000	0.3000	48000.00	0.0000 ND	0.0000 ND	0.0000 ND		ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units:

Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-09-4044 Lab ID:	Field ID: KAFB-219-09-5052 Lab ID:	Field ID: KAFB-219-09-6062 Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
PYRENE	4000.000	0.7000	2400.000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
bis(2-CHLOROETHOXY) METHANE	4000.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	4000.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
bis(2-CHLOROISOPROPYL) ETHER	4000.000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
bis(2-ETHYLHEXYL) PHTHALATE	4000.000	0.7000	50.0000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
1,2,4-TRICHLOROBENZENE	340.0000	0.7000	800.0000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
1,2-DICHLOROBENZENE	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
1,3-DICHLOROBENZENE	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
1,4-DICHLOROBENZENE	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2,4,5-TRICHLOROPHENOL	820.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2,4,6-TRICHLOROPHENOL	340.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2,4-DICHLOROPHENOL	340.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2,4-DIMETHYLPHENOL	340.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2,4-DINITROPHENOL	820.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2,4-DINITROTOLUENE	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2,6-DINITROTOLUENE	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2-CHLORONAPHTHALENE	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2-CHLOROPHENOL	340.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2-METHYLNAPHTHALENE	N/A	0.7000	3200.000	62.0000 J	490.0000	0.0000 ND		ND		
2-METHYLPHENOL (o-CRESOL)	340.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2-NITROANILINE	820.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2-NITROPHENOL	340.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
3,3'-DICHLOROBENZIDINE	340.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
3-NITROANILINE	820.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
4,6-DINITRO-2-METHYLPHENOL	820.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
4-BROMOPHENYL PHENYL ETHER	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
4-CHLORO-3-METHYLPHENOL	340.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
4-CHLOROANILINE	340.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
4-CHLOROPHENYL PHENYL ETHER	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
4-METHYLPHENOL (p-CRESOL)	340.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
4-NITROANILINE	820.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
4-NITROPHENOL	820.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
ACENAPHTHENE	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
ACENAPHTHYLENE	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
ANTHRACENE	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
BENZO(a)ANTHRACENE	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
BENZO(a)PYRENE	340.0000	0.7000	959.0000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
BENZO(b)FLUORANTHENE	340.0000	0.7000	95.9000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
BENZO(g,h,i)PERYLENE	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
BENZO(k)FLUORANTHENE	340.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
BENZYL BUTYL PHTHALATE	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units:

ANALYTCAL DATA SUMMARY

Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-09-7072 Lab ID:	Field ID: KAFB-219-09-8082 Lab ID:	Field ID: KAFB-219-09-9092 Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
CARBAZOLE	340.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
CHRYSENE	340.0000	0.7000	9.5900	0.0000 ND	0.0000 ND	0.0000 ND		ND		
DI-n-BUTYL PHTHALATE	340.0000	0.7000	8000.000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
DI-n-OCTYLPHTHALATE	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
DIBENZ(a,h)ANTHRACENE	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
DIBENZOFURAN	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
DIETHYL PHTHALATE	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
DIMETHYL PHTHALATE	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
FLUORANTHENE	340.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
FLUORENE	340.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
HEXACHLOROBENZENE	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
HEXACHLOROBUTADIENE	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
HEXACHLOROCYCLOPENTADIENE	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
HEXACHLOROETHANE	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
INDENO(1,2,3-c,d)PYRENE	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
ISOPHORONE	340.0000	0.7000	7370.000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
N-NITROSODI-n-PROPYLAMINE	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
N-NITROSODIPHENYLAMINE	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
NAPHTHALENE	N/A	0.7000	3200.000	70.0000 J	920.0000	760.0000 J		ND		
NITROBENZENE	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
PENTACHLOROPHENOL	820.0000	3.3000	5.8300	0.0000 ND	0.0000 ND	0.0000 ND		ND		
PHENANTHRENE	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
PHENOL	340.0000	0.3000	48000.00	0.0000 ND	0.0000 ND	0.0000 ND		ND		
PYRENE	340.0000	0.7000	2400.000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
bis(2-CHLOROETHOXY) METHANE	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
bis(2-CHLOROISOPROPYL) ETHER	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
bis(2-ETHYLHEXYL) PHTHALATE	N/A	0.7000	50.0000	61.0000 J	140.0000 J	0.0000 ND		ND		
1,2,4-TRICHLOROBENZENE	3700.000	0.7000	800.0000	0.0000 ND				ND		
1,2-DICHLOROBENZENE	3700.000	0.7000		0.0000 ND				ND		
1,3-DICHLOROBENZENE	3700.000	0.7000		0.0000 ND				ND		
1,4-DICHLOROBENZENE	3700.000	0.7000		0.0000 ND				ND		
2,4,5-TRICHLOROPHENOL	9000.000	3.3000		0.0000 ND				ND		
2,4,6-TRICHLOROPHENOL	3700.000	0.3000		0.0000 ND				ND		
2,4-DICHLOROPHENOL	3700.000	0.3000		0.0000 ND				ND		
2,4-DIMETHYLPHENOL	3700.000	0.3000		0.0000 ND				ND		
2,4-DINITROPHENOL	9000.000	3.3000		0.0000 ND				ND		
2,4-DINITROTOLUENE	3700.000	0.7000		0.0000 ND				ND		
2,6-DINITROTOLUENE	3700.000	0.7000		0.0000 ND				ND		
2-CHLORONAPHTHALENE	3700.000	0.7000		0.0000 ND				ND		
2-CHLOROPHENOL	3700.000	0.3000		0.0000 ND				ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg 481
Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units:

Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-09-100102 Lab ID:	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
2-METHYLNAPHTHALENE	3700.000	0.7000	3200.000	0.0000 ND				ND		
2-METHYLPHENOL (o-CRESOL)	3700.000	0.3000		0.0000 ND				ND		
2-NITROANILINE	9000.000	3.3000		0.0000 ND				ND		
2-NITROPHENOL	3700.000	0.3000		0.0000 ND				ND		
3,3'-DICHLOROBENZIDINE	3700.000	1.3000		0.0000 ND				ND		
3-NITROANILINE	9000.000	3.3000		0.0000 ND				ND		
4,6-DINITRO-2-METHYLPHENOL	9000.000	3.3000		0.0000 ND				ND		
4-BROMOPHENYL PHENYL ETHER	3700.000	0.7000		0.0000 ND				ND		
4-CHLORO-3-METHYLPHENOL	3700.000	1.3000		0.0000 ND				ND		
4-CHLOROANILINE	3700.000	1.3000		0.0000 ND				ND		
4-CHLOROPHENYL PHENYL ETHER	3700.000	0.7000		0.0000 ND				ND		
4-METHYLPHENOL (p-CRESOL)	3700.000	0.3000		0.0000 ND				ND		
4-NITROANILINE	9000.000	3.3000		0.0000 ND				ND		
4-NITROPHENOL	9000.000	1.6000		0.0000 ND				ND		
ACENAPHTHENE	3700.000	0.7000		0.0000 ND				ND		
ACENAPHTHYLENE	3700.000	0.7000		0.0000 ND				ND		
ANTHRACENE	3700.000	0.7000		0.0000 ND				ND		
BENZO(a)ANTHRACENE	3700.000	0.7000		0.0000 ND				ND		
BENZO(a)PYRENE	3700.000	0.7000	959.0000	0.0000 ND				ND		
BENZO(b)FLUORANTHENE	3700.000	0.7000	95.9000	0.0000 ND				ND		
BENZO(g,h,i)PERYLENE	3700.000	0.7000		0.0000 ND				ND		
BENZO(k)FLUORANTHENE	3700.000	N/A		0.0000 ND				ND		
BENZYL BUTYL PHTHALATE	3700.000	0.7000		0.0000 ND				ND		
CARBAZOLE	3700.000	N/A		0.0000 ND				ND		
CHRYSENE	3700.000	0.7000	9.5900	0.0000 ND				ND		
DI-n-BUTYL PHTHALATE	3700.000	0.7000	8000.000	0.0000 ND				ND		
DI-n-OCTYLPHTHALATE	3700.000	0.7000		0.0000 ND				ND		
DIBENZ(a,h)ANTHRACENE	3700.000	0.7000		0.0000 ND				ND		
DIBENZOFURAN	3700.000	0.7000		0.0000 ND				ND		
DIETHYL PHTHALATE	3700.000	0.7000		0.0000 ND				ND		
DIMETHYL PHTHALATE	3700.000	0.7000		0.0000 ND				ND		
FLUORANTHENE	3700.000	0.7000	3360.000	0.0000 ND				ND		
FLUORENE	3700.000	0.7000	3360.000	0.0000 ND				ND		
HEXACHLOROBENZENE	3700.000	0.7000		0.0000 ND				ND		
HEXACHLOROBUTADIENE	3700.000	0.7000		0.0000 ND				ND		
HEXACHLOROCYCLOPENTADIENE	3700.000	0.7000		0.0000 ND				ND		
HEXACHLOROETHANE	3700.000	0.7000		0.0000 ND				ND		
INDENO(1,2,3-c,d)PYRENE	3700.000	0.7000		0.0000 ND				ND		
ISOPHORONE	3700.000	0.7000	7370.000	0.0000 ND				ND		
N-NITROSODI-n-PROPYLAMINE	3700.000	0.7000		0.0000 ND				ND		
N-NITROSODIPHENYLAMINE	3700.000	0.7000		0.0000 ND				ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units:

Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-09-100102 Lab ID:	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
NAPHTHALENE	3700.000	0.7000	3200.000	0.0000 ND				ND		
NITROBENZENE	3700.000	0.7000		0.0000 ND				ND		
PENTACHLOROPHENOL	9000.000	3.3000	5.8300	0.0000 ND				ND		
PHENANTHRENE	3700.000	0.7000		0.0000 ND				ND		
PHENOL	3700.000	0.3000	48000.00	0.0000 ND				ND		
PYRENE	3700.000	0.7000	2400.000	0.0000 ND				ND		
bis(2-CHLOROETHOXY) METHANE	3700.000	0.7000		0.0000 ND				ND		
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3700.000	0.7000		0.0000 ND				ND		
bis(2-CHLOROISOPROPYL) ETHER	3700.000	0.7000		0.0000 ND				ND		
bis(2-ETHYLHEXYL) PHTHALATE	3700.000	0.7000	50.0000	0.0000 ND				ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: *Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-10-1012 Lab ID: 940651-14	Field ID: KAFB-219-10-2022 Lab ID: 940651-15	Field ID: KAFB-219-10-3034 Lab ID: 940651-16	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID: 940651-13	Ambient Blank Field ID: Lab ID:	Lab ID:
ALUMINUM	3.5000	50.0000		5620.0000	7160.0000	12500.0000		ND		
ANTIMONY	3.6000	40.0000	32.0000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
ARSENIC	0.3200	60.0000	38.9000	4.1000	3.3000	6.4000		ND		
BARIUM	0.7500	2.0000	5600.000	116.0000	66.2000	75.6000		ND		
BERYLLIUM	0.1100	0.3000	16.3000	0.5000 B	0.3200 B	0.8900		ND		
CADMIUM	0.3200	4.0000	40.0000	0.4600 B	1.1000	0.9400		ND		
CALCIUM	0.7500	10.0000		7240.0000	14500.0000	33500.0000		B		
CHROMIUM, TOTAL	0.7500	7.0000		4.8000	6.1000	11.7000		ND		
COBALT	0.4300	7.0000		5.8000	8.2000	5.4000 B		ND		
COPPER	0.6400	6.0000		6.8000	15.5000	14.4000		B		
IRON	0.5300	7.0000		11500.0000	20100.0000	15100.0000		B		
LEAD	0.1100	50.0000	400.0000	5.7000	6.2000	8.1000		ND		
MAGNESIUM	2.9000	30.0000		3850.0000	5540.0000	6060.0000		B		
MANGANESE	0.1100	2.0000	400.0000	288.0000	365.0000	175.0000		B		
NICKEL	0.7500	15.0000	1600.000	6.8000	8.1000	13.9000		B		
POTASSIUM	1.1000	500.0000		1830.0000	3040.0000	2290.0000		B		
SELENIUM	0.4300	80.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
SILVER	0.5300	7.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
SODIUM	5.4000	30.0000		211.0000 B	134.0000 B	324.0000 B		B		
THALLIUM	0.4300	40.0000	7.2000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
VANADIUM	0.3200	8.0000	720.0000	27.7000	41.7000	25.2000		B		
ZINC	0.3200	2.0000	24000.00	31.9000	54.0000	41.9000		B		
ALUMINUM	3.8000	50.0000		6130.0000	2690.0000	2680.0000		ND		
ANTIMONY	3.9000	40.0000	32.0000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
ARSENIC	0.3400	60.0000	38.9000	3.2000	0.5300 B	0.9800 B		ND		
BARIUM	0.8000	2.0000	5600.000	39.1000	21.5000	40.7000		ND		
BERYLLIUM	0.1100	0.3000	16.3000	0.6500	0.2100 B	0.1700 B		ND		
CADMIUM	0.3400	4.0000	40.0000	0.5400	0.0000 ND	0.0000 ND		ND		
CALCIUM	0.8000	10.0000		17000.0000	1110.0000	5510.0000		B		
CHROMIUM, TOTAL	0.8000	7.0000		4.9000	1.3000	1.8000		ND		
COBALT	0.4600	7.0000		3.8000 B	2.3000 B	2.8000 B		ND		
COPPER	0.6900	6.0000		8.7000	3.4000	4.1000		B		
IRON	0.5700	7.0000		9640.0000	2940.0000	4880.0000		B		
LEAD	0.1100	50.0000	400.0000	6.3000	2.7000	3.6000		ND		
MAGNESIUM	3.1000	30.0000		3800.0000	977.0000	1140.0000		B		
MANGANESE	0.1100	2.0000	400.0000	141.0000	43.5000	78.3000		B		
NICKEL	0.8000	15.0000	1600.000	9.8000	2.9000 B	3.5000 B		B		
POTASSIUM	1.1000	500.0000		1130.0000	430.0000 B	515.0000 B		B		
SELENIUM	0.4600	80.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
SILVER	0.5700	7.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
SODIUM	5.8000	30.0000		254.0000 B	202.0000 B	132.0000 B		B		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-10-4042 Lab ID: 940651-17	Field ID: KAFB-219-10-5052 Lab ID: 940651-18	Field ID: KAFB-219-10-6062 Lab ID: 940651-19	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID: 940651-13	Ambient Blank Field ID: Lab ID:	Lab ID:
THALLIUM	0.4600	40.0000	7.2000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
VANADIUM	0.3400	8.0000	720.0000	13.6000	4.9000 B	18.9000		B		
ZINC	0.3400	2.0000	24000.00	31.8000	12.5000	15.7000		B		
ALUMINUM	3.6000	50.0000		1720.0000				ND		
ANTIMONY	3.7000	40.0000	32.0000	0.0000 ND				ND		
ARSENIC	0.3300	60.0000	38.9000	0.5600 B				ND		
BARIUM	0.7600	2.0000	5600.000	26.6000				ND		
BERYLLIUM	0.1100	0.3000	16.3000	0.1700 B				ND		
CADMIUM	0.3300	4.0000	40.0000	0.0000 ND				ND		
CALCIUM	0.7600	10.0000		1010.0000				B		
CHROMIUM, TOTAL	0.7600	7.0000		0.0000 ND				ND		
COBALT	0.4300	7.0000		1.4000 B				ND		
COPPER	0.6500	6.0000		7.9000				B		
IRON	0.5400	7.0000		2920.0000				B		
LEAD	0.1100	50.0000	400.0000	2.7000				ND		
MAGNESIUM	2.9000	30.0000		738.0000				B		
MANGANESE	0.1100	2.0000	400.0000	48.5000				B		
NICKEL	0.7600	15.0000	1600.000	2.2000 B				B		
POTASSIUM	1.1000	500.0000		252.0000 B				B		
SELENIUM	0.4300	80.0000	400.0000	0.0000 ND				ND		
SILVER	0.5400	7.0000	400.0000	0.0000 ND				ND		
SODIUM	5.5000	30.0000		135.0000 B				B		
THALLIUM	0.4300	40.0000	7.2000	0.0000 ND				ND		
VANADIUM	0.3300	8.0000	720.0000	4.2000 B				B		
ZINC	0.3300	2.0000	24000.00	16.0000				B		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-10-1012 Lab ID: 940651-14	Field ID: KAFB-219-10-2022 Lab ID: 940651-15	Field ID: KAFB-219-10-3034 Lab ID: 940651-16	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MERCURY	0.0400	0.1000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
MERCURY	0.0400	0.1000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
MERCURY	0.0400	0.1000		0.0000 ND				ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: :
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-10-1012 Lab ID:	Field ID: KAFB-219-10-2022 Lab ID:	Field ID: KAFB-219-10-3034 Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
GASOLINE COMPONENTS	540.0000	1.0000		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
GASOLINE COMPONENTS	580.0000	1.0000		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
GASOLINE COMPONENTS	540.0000	1.0000		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
GASOLINE COMPONENTS	530.0000	1.0000		0.0000 ND	0.0000 ND		ND	ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-10-1012 Lab ID:	Field ID: KAFB-219-10-2022 Lab ID:	Field ID: KAFB-219-10-3034 Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
DIESEL COMPONENTS	11.0000	10.0000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
FUEL OILS	11.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
JET FUEL #4 (JP4)	11.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
JET FUEL #5 (JP5)	11.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
JET FUEL #8 (JP8)	11.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
KEROSENE	11.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
LUBRICATING OIL	11.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
MED. PETROLEUM DISTILLATE C8-C12 (ie:NAPHTHA etc.)	11.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
MOTOR OILS	11.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
DIESEL COMPONENTS	N/A	10.0000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
FUEL OILS	N/A	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
JET FUEL #4 (JP4)	11.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
JET FUEL #5 (JP5)	N/A	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
JET FUEL #8 (JP8)	N/A	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
KEROSENE	N/A	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
LUBRICATING OIL	N/A	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
MED. PETROLEUM DISTILLATE C8-C12 (ie:NAPHTHA etc.)	N/A	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
MOTOR OILS	N/A	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
DIESEL COMPONENTS	11.0000	10.0000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
FUEL OILS	11.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
JET FUEL #4 (JP4)	11.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
JET FUEL #5 (JP5)	11.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
JET FUEL #8 (JP8)	11.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
KEROSENE	11.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
LUBRICATING OIL	11.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
MED. PETROLEUM DISTILLATE C8-C12 (ie:NAPHTHA etc.)	11.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
MOTOR OILS	11.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
DIESEL COMPONENTS	10.0000	10.0000		0.0000 ND	0.0000 ND			ND		
FUEL OILS	10.0000	N/A		0.0000 ND	0.0000 ND			ND		
JET FUEL #4 (JP4)	10.0000	N/A		0.0000 ND	0.0000 ND			ND		
JET FUEL #5 (JP5)	10.0000	N/A		0.0000 ND	0.0000 ND			ND		
JET FUEL #8 (JP8)	10.0000	N/A		0.0000 ND	0.0000 ND			ND		
KEROSENE	10.0000	N/A		0.0000 ND	0.0000 ND			ND		
LUBRICATING OIL	10.0000	N/A		0.0000 ND	0.0000 ND			ND		
MED. PETROLEUM DISTILLATE C8-C12 (ie:NAPHTHA etc.)	10.0000	N/A		0.0000 ND	0.0000 ND			ND		
MOTOR OILS	10.0000	N/A		0.0000 ND	0.0000 ND			ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-10-1012 Lab ID: 940651-14	Field ID: KAFB-219-10-2022 Lab ID: 940651-15	Field ID: KAFB-219-10-3034 Lab ID: 940651-16	Trip Blank Field ID: Lab ID: 940651-25	Equipment Blank Field ID: Lab ID: 940651-13	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	5.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
1,1,2,2-TETRACHLOROETHANE	5.0000	0.0050	35.0000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
1,1,2-TRICHLOROETHANE	5.0000	0.0050	123.0000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
1,1-DICHLOROETHANE	5.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
1,1-DICHLOROETHENE	5.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
1,2-DICHLOROETHANE	5.0000	0.0050	7.6900	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
1,2-DICHLOROPROPYLENE	5.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
2-HEXANONE	11.0000	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
ACETONE	11.0000	0.1000	8000.000	0.0000 ND	0.0000 ND	8.0000 J	ND	ND		
BENZENE	5.0000	0.0050	24.1000	0.0000 ND	0.0000 ND	4.0000 J	ND	ND		
BROMODICHLOROMETHANE	5.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
BROMOFORM	5.0000	0.0050	88.6000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
BROMOMETHANE	11.0000	0.0100	32.0000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
CARBON DISULFIDE	5.0000	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
CARBON TETRACHLORIDE	5.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
CHLOROBENZENE	5.0000	N/A	2160.000	0.0000 ND	0.0000 ND	3.0000 J	ND	ND		
CHLOROETHANE	11.0000	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
CHLOROFORM	5.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
CHLOROMETHANE	11.0000	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
DIBROMOCHLOROMETHANE	5.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
ETHYLBENZENE	5.0000	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
METHYL ETHYL KETONE (2-BUTANONE)	11.0000	0.1000	48000.00	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	11.0000	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
METHYLENE CHLORIDE	5.0000	0.0050	93.3000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
STYRENE	5.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
TETRACHLOROETHYLENE(PCE)	5.0000	0.0050	800.0000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
TOLUENE	5.0000	0.0050	16000.00	0.0000 ND	0.0000 ND	1.0000 J	ND	ND		
TOTAL 1,2-DICHLOROETHENE	5.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
TRICHLOROETHYLENE (TCE)	5.0000	0.0050	63.6000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
VINYL CHLORIDE	11.0000	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
XYLENES, TOTAL	5.0000	0.0050	160000.0	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
cis-1,3-DICHLOROPROPENE	5.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
trans-1,3-DICHLOROPROPENE	5.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
1,1,1-TRICHLOROETHANE	6.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
1,1,2,2-TETRACHLOROETHANE	6.0000	0.0050	35.0000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
1,1,2-TRICHLOROETHANE	6.0000	0.0050	123.0000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
1,1-DICHLOROETHANE	6.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
1,1-DICHLOROETHENE	6.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
1,2-DICHLOROETHANE	6.0000	0.0050	7.6900	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
1,2-DICHLOROPROPYLENE	6.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
2-HEXANONE	13.0000	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-10-4042 Lab ID: 940651-17	Field ID: KAFB-219-10-5052 Lab ID: 940651-18	Field ID: KAFB-219-10-6062 Lab ID: 940651-19	Trip Blank Field ID: Lab ID: 940651-25	Equipment Blank Field ID: Lab ID: 940651-13	Ambient Blank Field ID: Lab ID:	Lab ID:
ACETONE	13.0000	0.1000	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
BENZENE	6.0000	0.0050	24.1000	0.0000 ND	1.0000 J	0.0000 ND	ND	ND		
BROMODICHLOROMETHANE	6.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
BROMOFORM	6.0000	0.0050	88.6000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
BROMOMETHANE	13.0000	0.0100	32.0000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
CARBON DISULFIDE	6.0000	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
CARBON TETRACHLORIDE	6.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
CHLOROBENZENE	6.0000	N/A	2160.000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
CHLOROETHANE	13.0000	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
CHLOROFORM	6.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
CHLOROMETHANE	13.0000	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
DIBROMOCHLOROMETHANE	6.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
ETHYLBENZENE	6.0000	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
METHYL ETHYL KETONE (2-BUTANONE)	13.0000	0.1000	48000.00	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	13.0000	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
METHYLENE CHLORIDE	6.0000	0.0050	93.3000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
STYRENE	6.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
TETRACHLOROETHYLENE(PCE)	6.0000	0.0050	800.0000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
TOLUENE	6.0000	0.0050	16000.00	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
TOTAL 1,2-DICHLOROETHENE	6.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
TRICHLOROETHYLENE (TCE)	6.0000	0.0050	63.6000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
VINYL CHLORIDE	13.0000	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
XYLENES, TOTAL	6.0000	0.0050	160000.0	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
cis-1,3-DICHLOROPROPENE	6.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
trans-1,3-DICHLOROPROPENE	6.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
1,1,1-TRICHLOROETHANE	5.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
1,1,2,2-TETRACHLOROETHANE	5.0000	0.0050	35.0000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
1,1,2-TRICHLOROETHANE	5.0000	0.0050	123.0000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
1,1-DICHLOROETHANE	5.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
1,1-DICHLOROETHENE	5.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
1,2-DICHLOROETHANE	5.0000	0.0050	7.6900	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
1,2-DICHLOROPROPYLENE	5.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
2-HEXANONE	10.0000	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
ACETONE	10.0000	0.1000	8000.000	0.0000 ND	0.0000 ND	14.0000	ND	ND		
BENZENE	5.0000	0.0050	24.1000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
BROMODICHLOROMETHANE	5.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
BROMOFORM	5.0000	0.0050	88.6000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
BROMOMETHANE	10.0000	0.0100	32.0000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
CARBON DISULFIDE	5.0000	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
CARBON TETRACHLORIDE	5.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
CHLOROBENZENE	5.0000	N/A	2160.000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

ANALYTCAL DATA SUMMARY

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-10-7072 Lab ID: 940651-20	Field ID: KAFB-219-10-8082 Lab ID: 940651-21	Field ID: KAFB-219-10-9092 Lab ID: 940651-22	Trip Blank Field ID: Lab ID: 940651-25	Equipment Blank Field ID: Lab ID: 940651-13	Ambient Blank Field ID: Lab ID:	Lab ID:
CHLOROETHANE	10.0000	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
CHLOROFORM	5.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
CHLOROMETHANE	10.0000	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
DIBROMOCHLOROMETHANE	5.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
ETHYLBENZENE	5.0000	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
METHYL ETHYL KETONE (2-BUTANONE)	10.0000	0.1000	48000.00	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	10.0000	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
METHYLENE CHLORIDE	5.0000	0.0050	93.3000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
STYRENE	5.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
TETRACHLOROETHYLENE(PCE)	5.0000	0.0050	800.0000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
TOLUENE	5.0000	0.0050	16000.00	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
TOTAL 1,2-DICHLOROETHENE	5.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
TRICHLOROETHYLENE (TCE)	5.0000	0.0050	63.6000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
VINYL CHLORIDE	10.0000	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
XYLENES, TOTAL	5.0000	0.0050	160000.0	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
cis-1,3-DICHLOROPROPENE	5.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
trans-1,3-DICHLOROPROPENE	5.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
1,1,1-TRICHLOROETHANE	6.0000	0.0050		0.0000 ND	0.0000 ND		ND	ND		
1,1,2,2-TETRACHLOROETHANE	6.0000	0.0050	35.0000	0.0000 ND	0.0000 ND		ND	ND		
1,1,2-TRICHLOROETHANE	6.0000	0.0050	123.0000	0.0000 ND	0.0000 ND		ND	ND		
1,1-DICHLOROETHANE	6.0000	0.0050		0.0000 ND	0.0000 ND		ND	ND		
1,1-DICHLOROETHENE	6.0000	0.0050		0.0000 ND	0.0000 ND		ND	ND		
1,2-DICHLOROETHANE	6.0000	0.0050	7.6900	0.0000 ND	0.0000 ND		ND	ND		
1,2-DICHLOROPROPYLENE	6.0000	N/A		0.0000 ND	0.0000 ND		ND	ND		
2-HEXANONE	12.0000	0.0500		0.0000 ND	0.0000 ND		ND	ND		
ACETONE	12.0000	0.1000	8000.000	0.0000 ND	0.0000 ND		ND	ND		
BENZENE	6.0000	0.0050	24.1000	0.0000 ND	0.0000 ND		ND	ND		
BROMODICHLOROMETHANE	6.0000	0.0050		0.0000 ND	0.0000 ND		ND	ND		
BROMOFORM	6.0000	0.0050	88.6000	0.0000 ND	0.0000 ND		ND	ND		
BROMOMETHANE	12.0000	0.0100	32.0000	0.0000 ND	0.0000 ND		ND	ND		
CARBON DISULFIDE	6.0000	0.0050	8000.000	0.0000 ND	0.0000 ND		ND	ND		
CARBON TETRACHLORIDE	6.0000	0.0050		0.0000 ND	0.0000 ND		ND	ND		
CHLOROBENZENE	6.0000	N/A	2160.000	0.0000 ND	0.0000 ND		ND	ND		
CHLOROETHANE	12.0000	0.0100		0.0000 ND	0.0000 ND		ND	ND		
CHLOROFORM	6.0000	0.0050		0.0000 ND	0.0000 ND		ND	ND		
CHLOROMETHANE	12.0000	0.0100		0.0000 ND	0.0000 ND		ND	ND		
DIBROMOCHLOROMETHANE	6.0000	0.0050		0.0000 ND	0.0000 ND		ND	ND		
ETHYLBENZENE	6.0000	0.0050	8000.000	0.0000 ND	0.0000 ND		ND	ND		
METHYL ETHYL KETONE (2-BUTANONE)	12.0000	0.1000	48000.00	0.0000 ND	0.0000 ND		ND	ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	12.0000	0.0500		0.0000 ND	0.0000 ND		ND	ND		
METHYLENE CHLORIDE	6.0000	0.0050	93.3000	0.0000 ND	0.0000 ND		ND	ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-10-100102 Lab ID: 940651-23	Field ID: KAFB-219-99-3034 Lab ID: 940651-16	Field ID: Lab ID:	Trip Blank Field ID: Lab ID: 940651-25	Equipment Blank Field ID: Lab ID: 940651-13	Ambient Blank Field ID: Lab ID:	Lab ID:
STYRENE	6.0000	0.0050		0.0000 ND	0.0000 ND		ND	ND		
TETRACHLOROETHYLENE(PCE)	6.0000	0.0050	800.0000	0.0000 ND	0.0000 ND		ND	ND		
TOLUENE	6.0000	0.0050	16000.00	0.0000 ND	0.0000 ND		ND	ND		
TOTAL 1,2-DICHLOROETHENE	6.0000	N/A		0.0000 ND	0.0000 ND		ND	ND		
TRICHLOROETHYLENE (TCE)	6.0000	0.0050	63.6000	0.0000 ND	0.0000 ND		ND	ND		
VINYL CHLORIDE	12.0000	0.0100		0.0000 ND	0.0000 ND		ND	ND		
XYLENES, TOTAL	6.0000	0.0050	160000.0	0.0000 ND	0.0000 ND		ND	ND		
cis-1,3-DICHLOROPROPENE	6.0000	0.0050		0.0000 ND	0.0000 ND		ND	ND		
trans-1,3-DICHLOROPROPENE	6.0000	0.0050		0.0000 ND	0.0000 ND		ND	ND		

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units:

ANALYTCAL DATA SUMMARY

Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-10-1012 Lab ID:	Field ID: KAFB-219-10-2022 Lab ID:	Field ID: KAFB-219-10-3034 Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
1,2,4-TRICHLOROBENZENE	350.0000	0.7000	800.0000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
1,2-DICHLOROBENZENE	350.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
1,3-DICHLOROBENZENE	350.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
1,4-DICHLOROBENZENE	350.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2,4,5-TRICHLOROPHENOL	850.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2,4,6-TRICHLOROPHENOL	350.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2,4-DICHLOROPHENOL	350.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2,4-DIMETHYLPHENOL	350.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2,4-DINITROPHENOL	850.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2,4-DINITROTOLUENE	350.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2,6-DINITROTOLUENE	350.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2-CHLORONAPHTHALENE	350.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2-CHLOROPHENOL	350.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2-METHYLNAPHTHALENE	350.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
2-METHYLPHENOL (o-CRESOL)	350.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2-NITROANILINE	850.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2-NITROPHENOL	350.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
3,3'-DICHLOROBENZIDINE	350.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
3-NITROANILINE	850.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
4,6-DINITRO-2-METHYLPHENOL	850.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
4-BROMOPHENYL PHENYL ETHER	350.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
4-CHLORO-3-METHYLPHENOL	350.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
4-CHLOROANILINE	350.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
4-CHLOROPHENYL PHENYL ETHER	350.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
4-METHYLPHENOL (p-CRESOL)	350.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
4-NITROANILINE	850.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
4-NITROPHENOL	850.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
ACENAPHTHENE	350.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
ACENAPHTHYLENE	350.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
ANTHRACENE	350.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
BENZO(a)ANTHRACENE	350.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
BENZO(a)PYRENE	350.0000	0.7000	959.0000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
BENZO(b)FLUORANTHENE	350.0000	0.7000	95.9000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
BENZO(g,h,i)PERYLENE	350.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
BENZO(k)FLUORANTHENE	350.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
BENZYL BUTYL PHTHALATE	350.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
CARBAZOLE	350.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
CHRYSENE	350.0000	0.7000	9.5900	0.0000 ND	0.0000 ND	0.0000 ND		ND		
DI-n-BUTYL PHTHALATE	350.0000	0.7000	8000.000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
DI-n-OCTYLPHTHALATE	350.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
DIBENZ(a,h)ANTHRACENE	350.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units:

Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-10-1012 Lab ID:	Field ID: KAFB-219-10-2022 Lab ID:	Field ID: KAFB-219-10-3034 Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
DIBENZOFURAN	350.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
DIETHYL PHTHALATE	350.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
DIMETHYL PHTHALATE	350.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
FLUORANTHENE	350.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
FLUORENE	350.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
HEXACHLOROBENZENE	350.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
HEXACHLOROBUTADIENE	350.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
HEXACHLOROCYCLOPENTADIENE	350.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
HEXACHLOROETHANE	350.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
INDENO(1,2,3-c,d)PYRENE	350.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
ISOPHORONE	350.0000	0.7000	7370.000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
N-NITROSODI-n-PROPYLAMINE	350.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
N-NITROSODIPHENYLAMINE	350.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
NAPHTHALENE	350.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
NITROBENZENE	350.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
PENTACHLOROPHENOL	850.0000	3.3000	5.8300	0.0000 ND	0.0000 ND	0.0000 ND		ND		
PHENANTHRENE	350.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
PHENOL	350.0000	0.3000	48000.00	0.0000 ND	0.0000 ND	0.0000 ND		ND		
PYRENE	350.0000	0.7000	2400.000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
bis(2-CHLOROETHOXY) METHANE	350.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	350.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
bis(2-CHLOROISOPROPYL) ETHER	350.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
bis(2-ETHYLHEXYL) PHTHALATE	350.0000	0.7000	50.0000	0.0000 ND	300.0000 J	0.0000 ND		J		
1,2,4-TRICHLOROBENZENE	390.0000	0.7000	800.0000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
1,2-DICHLOROBENZENE	390.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
1,3-DICHLOROBENZENE	390.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
1,4-DICHLOROBENZENE	390.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2,4,5-TRICHLOROPHENOL	950.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2,4,6-TRICHLOROPHENOL	390.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2,4-DICHLOROPHENOL	390.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2,4-DIMETHYLPHENOL	390.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2,4-DINITROPHENOL	950.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2,4-DINITROTOLUENE	390.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2,6-DINITROTOLUENE	390.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2-CHLORONAPHTHALENE	390.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2-CHLOROPHENOL	390.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2-METHYLNAPHTHALENE	390.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
2-METHYLPHENOL (o-CRESOL)	390.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2-NITROANILINE	950.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2-NITROPHENOL	390.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
3,3'-DICHLOROBENZIDINE	390.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units:

Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-10-4042 Lab ID:	Field ID: KAFB-219-10-5052 Lab ID:	Field ID: KAFB-219-10-6062 Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
3-NITROANILINE	950.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
4,6-DINITRO-2-METHYLPHENOL	950.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
4-BROMOPHENYL PHENYL ETHER	390.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
4-CHLORO-3-METHYLPHENOL	390.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
4-CHLOROANILINE	390.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
4-CHLOROPHENYL PHENYL ETHER	390.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
4-METHYLPHENOL (p-CRESOL)	390.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
4-NITROANILINE	950.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
4-NITROPHENOL	950.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
ACENAPHTHENE	390.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
ACENAPHTHYLENE	390.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
ANTHRACENE	390.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
BENZO(a)ANTHRACENE	390.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
BENZO(a)PYRENE	390.0000	0.7000	959.0000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
BENZO(b)FLUORANTHENE	390.0000	0.7000	95.9000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
BENZO(g,h,i)PERYLENE	390.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
BENZO(k)FLUORANTHENE	390.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
BENZYL BUTYL PHTHALATE	390.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
CARBAZOLE	390.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
CHRYSENE	390.0000	0.7000	9.5900	0.0000 ND	0.0000 ND	0.0000 ND		ND		
DI-n-BUTYL PHTHALATE	390.0000	0.7000	8000.000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
DI-n-OCTYLPHTHALATE	390.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
DIBENZ(a,h)ANTHRACENE	390.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
DIBENZOFURAN	390.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
DIETHYL PHTHALATE	390.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
DIMETHYL PHTHALATE	390.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
FLUORANTHENE	390.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
FLUORENE	390.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
HEXACHLOROBENZENE	390.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
HEXACHLOROBUTADIENE	390.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
HEXACHLOROCYCLOPENTADIENE	390.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
HEXACHLOROETHANE	390.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
INDENO(1,2,3-c,d)PYRENE	390.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
ISOPHORONE	390.0000	0.7000	7370.000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
N-NITROSODI-n-PROPYLAMINE	390.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
N-NITROSODIPHENYLAMINE	390.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
NAPHTHALENE	390.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
NITROBENZENE	390.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
PENTACHLOROPHENOL	950.0000	3.3000	5.8300	0.0000 ND	0.0000 ND	0.0000 ND		ND		
PHENANTHRENE	390.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
PHENOL	390.0000	0.3000	48000.00	0.0000 ND	0.0000 ND	0.0000 ND		ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units:

Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-10-4042 Lab ID:	Field ID: KAFB-219-10-5052 Lab ID:	Field ID: KAFB-219-10-6062 Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
PYRENE	390.0000	0.7000	2400.000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
bis(2-CHLOROETHOXY) METHANE	390.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	390.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
bis(2-CHLOROISOPROPYL) ETHER	390.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
bis(2-ETHYLHEXYL) PHTHALATE	390.0000	0.7000	50.0000	0.0000 ND	0.0000 ND	0.0000 ND		J		
1,2,4-TRICHLOROBENZENE	340.0000	0.7000	800.0000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
1,2-DICHLOROBENZENE	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
1,3-DICHLOROBENZENE	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
1,4-DICHLOROBENZENE	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2,4,5-TRICHLOROPHENOL	820.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2,4,6-TRICHLOROPHENOL	340.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2,4-DICHLOROPHENOL	340.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2,4-DIMETHYLPHENOL	340.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2,4-DINITROPHENOL	820.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2,4-DINITROTOLUENE	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2,6-DINITROTOLUENE	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2-CHLORONAPHTHALENE	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2-CHLOROPHENOL	340.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2-METHYLNAPHTHALENE	340.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
2-METHYLPHENOL (o-CRESOL)	340.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2-NITROANILINE	820.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2-NITROPHENOL	340.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
3,3'-DICHLOROBENZIDINE	340.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
3-NITROANILINE	820.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
4,6-DINITRO-2-METHYLPHENOL	820.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
4-BROMOPHENYL PHENYL ETHER	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
4-CHLORO-3-METHYLPHENOL	340.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
4-CHLOROANILINE	340.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
4-CHLOROPHENYL PHENYL ETHER	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
4-METHYLPHENOL (p-CRESOL)	340.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
4-NITROANILINE	820.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
4-NITROPHENOL	820.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
ACENAPHTHENE	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
ACENAPHTHYLENE	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
ANTHRACENE	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
BENZO(a)ANTHRACENE	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
BENZO(a)PYRENE	340.0000	0.7000	959.0000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
BENZO(b)FLUORANTHENE	340.0000	0.7000	95.9000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
BENZO(g,h,i)PERYLENE	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
BENZO(k)FLUORANTHENE	340.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
BENZYL BUTYL PHTHALATE	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units:

Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-10-7072 Lab ID:	Field ID: KAFB-219-10-8082 Lab ID:	Field ID: KAFB-219-10-9092 Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
CARBAZOLE	340.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
CHRYSENE	340.0000	0.7000	9.5900	0.0000 ND	0.0000 ND	0.0000 ND		ND		
DI-n-BUTYL PHTHALATE	340.0000	0.7000	8000.000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
DI-n-OCTYLPHTHALATE	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
DIBENZ(a,h)ANTHRACENE	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
DIBENZOFURAN	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
DIETHYL PHTHALATE	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
DIMETHYL PHTHALATE	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
FLUORANTHENE	340.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
FLUORENE	340.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
HEXACHLOROBENZENE	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
HEXACHLOROBUTADIENE	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
HEXACHLOROCYCLOPENTADIENE	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
HEXACHLOROETHANE	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
INDENO(1,2,3-c,d)PYRENE	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
ISOPHORONE	340.0000	0.7000	7370.000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
N-NITROSODI-n-PROPYLAMINE	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
N-NITROSODIPHENYLAMINE	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
NAPHTHALENE	340.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
NITROBENZENE	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
PENTACHLOROPHENOL	820.0000	3.3000	5.8300	0.0000 ND	0.0000 ND	0.0000 ND		ND		
PHENANTHRENE	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
PHENOL	340.0000	0.3000	48000.00	0.0000 ND	0.0000 ND	0.0000 ND		ND		
PYRENE	340.0000	0.7000	2400.000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
bis(2-CHLOROETHOXY) METHANE	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
bis(2-CHLOROISOPROPYL) ETHER	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
bis(2-ETHYLHEXYL) PHTHALATE	340.0000	0.7000	50.0000	0.0000 ND	0.0000 ND	0.0000 ND		J		
1,2,4-TRICHLOROBENZENE	380.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			ND		
1,2-DICHLOROBENZENE	380.0000	0.7000		0.0000 ND	0.0000 ND			ND		
1,3-DICHLOROBENZENE	380.0000	0.7000		0.0000 ND	0.0000 ND			ND		
1,4-DICHLOROBENZENE	380.0000	0.7000		0.0000 ND	0.0000 ND			ND		
2,4,5-TRICHLOROPHENOL	910.0000	3.3000		0.0000 ND	0.0000 ND			ND		
2,4,6-TRICHLOROPHENOL	380.0000	0.3000		0.0000 ND	0.0000 ND			ND		
2,4-DICHLOROPHENOL	380.0000	0.3000		0.0000 ND	0.0000 ND			ND		
2,4-DIMETHYLPHENOL	380.0000	0.3000		0.0000 ND	0.0000 ND			ND		
2,4-DINITROPHENOL	910.0000	3.3000		0.0000 ND	0.0000 ND			ND		
2,4-DINITROTOLUENE	380.0000	0.7000		0.0000 ND	0.0000 ND			ND		
2,6-DINITROTOLUENE	380.0000	0.7000		0.0000 ND	0.0000 ND			ND		
2-CHLORONAPHTHALENE	380.0000	0.7000		0.0000 ND	0.0000 ND			ND		
2-CHLOROPHENOL	380.0000	0.3000		0.0000 ND	0.0000 ND			ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units:

Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-10-100102 Lab ID:	Field ID: KAFB-219-99-3034 Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
2-METHYLNAPHTHALENE	380.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			ND		
2-METHYLPHENOL (o-CRESOL)	380.0000	0.3000		0.0000 ND	0.0000 ND			ND		
2-NITROANILINE	910.0000	3.3000		0.0000 ND	0.0000 ND			ND		
2-NITROPHENOL	380.0000	0.3000		0.0000 ND	0.0000 ND			ND		
3,3'-DICHLOROBENZIDINE	380.0000	1.3000		0.0000 ND	0.0000 ND			ND		
3-NITROANILINE	910.0000	3.3000		0.0000 ND	0.0000 ND			ND		
4,6-DINITRO-2-METHYLPHENOL	910.0000	3.3000		0.0000 ND	0.0000 ND			ND		
4-BROMOPHENYL PHENYL ETHER	380.0000	0.7000		0.0000 ND	0.0000 ND			ND		
4-CHLORO-3-METHYLPHENOL	380.0000	1.3000		0.0000 ND	0.0000 ND			ND		
4-CHLOROANILINE	380.0000	1.3000		0.0000 ND	0.0000 ND			ND		
4-CHLOROPHENYL PHENYL ETHER	380.0000	0.7000		0.0000 ND	0.0000 ND			ND		
4-METHYLPHENOL (p-CRESOL)	380.0000	0.3000		0.0000 ND	0.0000 ND			ND		
4-NITROANILINE	910.0000	3.3000		0.0000 ND	0.0000 ND			ND		
4-NITROPHENOL	910.0000	1.6000		0.0000 ND	0.0000 ND			ND		
ACENAPHTHENE	380.0000	0.7000		0.0000 ND	0.0000 ND			ND		
ACENAPHTHYLENE	380.0000	0.7000		0.0000 ND	0.0000 ND			ND		
ANTHRACENE	380.0000	0.7000		0.0000 ND	0.0000 ND			ND		
BENZO(a)ANTHRACENE	380.0000	0.7000		0.0000 ND	0.0000 ND			ND		
BENZO(a)PYRENE	380.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			ND		
BENZO(b)FLUORANTHENE	380.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			ND		
BENZO(g,h,i)PERYLENE	380.0000	0.7000		0.0000 ND	0.0000 ND			ND		
BENZO(k)FLUORANTHENE	380.0000	N/A		0.0000 ND	0.0000 ND			ND		
BENZYL BUTYL PHTHALATE	380.0000	0.7000		0.0000 ND	0.0000 ND			ND		
CARBAZOLE	380.0000	N/A		0.0000 ND	0.0000 ND			ND		
CHRYSENE	380.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			ND		
DI-n-BUTYL PHTHALATE	380.0000	0.7000	8000.000	0.0000 ND	0.0000 ND			ND		
DI-n-OCTYLPHTHALATE	380.0000	0.7000		0.0000 ND	0.0000 ND			ND		
DIBENZ(a,h)ANTHRACENE	380.0000	0.7000		0.0000 ND	0.0000 ND			ND		
DIBENZOFURAN	380.0000	0.7000		0.0000 ND	0.0000 ND			ND		
DIETHYL PHTHALATE	380.0000	0.7000		0.0000 ND	0.0000 ND			ND		
DIMETHYL PHTHALATE	380.0000	0.7000		0.0000 ND	0.0000 ND			ND		
FLUORANTHENE	380.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			ND		
FLUORENE	380.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			ND		
HEXACHLOROBENZENE	380.0000	0.7000		0.0000 ND	0.0000 ND			ND		
HEXACHLOROBUTADIENE	380.0000	0.7000		0.0000 ND	0.0000 ND			ND		
HEXACHLOROCYCLOPENTADIENE	380.0000	0.7000		0.0000 ND	0.0000 ND			ND		
HEXACHLOROETHANE	380.0000	0.7000		0.0000 ND	0.0000 ND			ND		
INDENO(1,2,3-c,d)PYRENE	380.0000	0.7000		0.0000 ND	0.0000 ND			ND		
ISOPHORONE	380.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			ND		
N-NITROSODI-n-PROPYLAMINE	380.0000	0.7000		0.0000 ND	0.0000 ND			ND		
N-NITROSODIPHENYLAMINE	380.0000	0.7000		0.0000 ND	0.0000 ND			ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units:

Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-10-100102 Lab ID:	Field ID: KAFB-219-99-3034 Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
NAPHTHALENE	380.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			ND		
NITROBENZENE	380.0000	0.7000		0.0000 ND	0.0000 ND			ND		
PENTACHLOROPHENOL	910.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			ND		
PHENANTHRENE	380.0000	0.7000		0.0000 ND	0.0000 ND			ND		
PHENOL	380.0000	0.3000	48000.00	0.0000 ND	0.0000 ND			ND		
PYRENE	380.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			ND		
bis(2-CHLOROETHOXY) METHANE	380.0000	0.7000		0.0000 ND	0.0000 ND			ND		
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	380.0000	0.7000		0.0000 ND	0.0000 ND			ND		
bis(2-CHLOROISOPROPYL) ETHER	380.0000	0.7000		0.0000 ND	0.0000 ND			ND		
bis(2-ETHYLHEXYL) PHTHALATE	380.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			J		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: *Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-11-1012 Lab ID: 940654-03	Field ID: KAFB-219-11-2024 Lab ID: 940654-04	Field ID: KAFB-219-11-3034 Lab ID: 940654-05	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID: 940654-01	Ambient Blank Field ID: Lab ID:	Lab ID:
ALUMINUM	3.5000	50.0000		8400.0000	10300.0000	17500.0000				
ANTIMONY	3.6000	40.0000	32.0000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
ARSENIC	0.3200	60.0000	38.9000	4.1000	3.6000	5.6000		ND		
BARIUM	0.7500	2.0000	5600.000	158.0000	87.0000	139.0000		ND		
BERYLLIUM	0.1100	0.3000	16.3000	0.4600 B	0.6000	0.9900		ND		
CADMIUM	0.3200	4.0000	40.0000	0.9000	0.9000	1.4000		ND		
CALCIUM	0.7500	10.0000		16200.0000	14300.0000	26000.0000		B		
CHROMIUM, TOTAL	0.7500	7.0000		7.9000	10.0000	13.8000		B		
COBALT	0.4300	7.0000		6.6000	6.4000	8.6000		ND		
COPPER	0.6400	6.0000		13.6000	13.6000	17.1000		ND		
IRON	0.5400	7.0000		14600.0000	13800.0000	16300.0000				
LEAD	0.1100	50.0000	400.0000	6.5000	6.8000	10.0000		ND		
MAGNESIUM	2.9000	30.0000		4240.0000	4800.0000	6740.0000		B		
MANGANESE	0.1100	2.0000	400.0000	330.0000	334.0000	439.0000		B		
NICKEL	0.7500	15.0000	1600.000	7.6000	9.8000	15.3000		ND		
POTASSIUM	1.1000	500.0000		1840.0000	2120.0000	3120.0000		B		
SELENIUM	0.4300	80.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
SILVER	0.5400	7.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
SODIUM	5.5000	30.0000		135.0000 B	280.0000 B	403.0000 B		B		
THALLIUM	0.4300	40.0000	7.2000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
VANADIUM	0.3200	8.0000	720.0000	34.9000	29.5000	27.4000		ND		
ZINC	0.3200	2.0000	24000.00	39.4000	40.5000	46.6000		B		
ALUMINUM	3.9000	50.0000		14200.0000	3170.0000	1860.0000				
ANTIMONY	4.0000	40.0000	32.0000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
ARSENIC	0.3500	60.0000	38.9000	2.0000	1.7000	0.7700 B		ND		
BARIUM	0.8200	2.0000	5600.000	57.7000	37.4000	26.6000		ND		
BERYLLIUM	0.1200	0.3000	16.3000	1.1000	0.2700 B	0.1500 B		ND		
CADMIUM	0.3500	4.0000	40.0000	1.1000	0.0000 ND	0.0000 ND		ND		
CALCIUM	0.8200	10.0000		4490.0000	1240.0000	993.0000		B		
CHROMIUM, TOTAL	0.8200	7.0000		11.1000	2.3000	2.1000		B		
COBALT	0.4700	7.0000		7.2000	2.6000 B	2.1000 B		ND		
COPPER	0.7000	6.0000		16.3000	14.6000	13.6000		ND		
IRON	0.5800	7.0000		15700.0000	5050.0000	4490.0000				
LEAD	0.1200	50.0000	400.0000	10.1000	3.6000	2.7000		ND		
MAGNESIUM	3.2000	30.0000		6430.0000	1140.0000	779.0000		B		
MANGANESE	0.1200	2.0000	400.0000	260.0000	112.0000	59.3000		B		
NICKEL	0.8200	15.0000	1600.000	13.1000	3.9000 B	3.5000 B		ND		
POTASSIUM	1.2000	500.0000		2470.0000	519.0000 B	262.0000 B		B		
SELENIUM	0.4700	80.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
SILVER	0.5800	7.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
SODIUM	6.0000	30.0000		400.0000 B	214.0000 B	115.0000 B		B		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-11-4042 Lab ID: 940654-06	Field ID: KAFB-219-11-5052 Lab ID: 940654-07	Field ID: KAFB-219-11-6062 Lab ID: 940654-08	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID: 940654-01	Ambient Blank Field ID: Lab ID:	Lab ID:
THALLIUM	0.4700	40.0000	7.2000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
VANADIUM	0.3500	8.0000	720.0000	20.4000	7.3000	9.3000		ND		
ZINC	0.3500	2.0000	24000.00	56.7000	22.7000	19.7000		B		
ALUMINUM	3.9000	50.0000		2570.0000	1770.0000	1930.0000				
ANTIMONY	4.0000	40.0000	32.0000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
ARSENIC	0.3600	60.0000	38.9000	1.5000	0.9000 B	0.7900 B		ND		
BARIUM	0.8300	2.0000	5600.000	38.9000	42.3000	218.0000		ND		
BERYLLIUM	0.1200	0.3000	16.3000	0.2300 B	0.1700 B	0.2100 B		ND		
CADMIUM	0.3600	4.0000	40.0000	0.0000 ND	0.7600	0.3100 B		ND		
CALCIUM	0.8300	10.0000		1160.0000	1070.0000	1400.0000		B		
CHROMIUM, TOTAL	0.8300	7.0000		1.9000	1.9000	2.5000		B		
COBALT	0.4800	7.0000		2.1000 B	2.0000 B	2.2000 B		ND		
COPPER	0.7100	6.0000		28.5000	35.7000	41.0000		ND		
IRON	0.5900	7.0000		3820.0000	3630.0000	5750.0000				
LEAD	0.1200	50.0000	400.0000	3.5000	2.7000	3.0000		ND		
MAGNESIUM	3.2000	30.0000		996.0000	881.0000	842.0000		B		
MANGANESE	0.1200	2.0000	400.0000	64.9000	84.8000	78.3000		B		
NICKEL	0.8300	15.0000	1600.000	3.3000 B	2.6000 B	1.6000 B		ND		
POTASSIUM	1.2000	500.0000		398.0000 B	371.0000 B	255.0000 B		B		
SELENIUM	0.4800	80.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
SILVER	0.5900	7.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
SODIUM	6.1000	30.0000		212.0000 B	123.0000 B	128.0000 B		B		
THALLIUM	0.4800	40.0000	7.2000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
VANADIUM	0.3600	8.0000	720.0000	6.8000	6.2000	10.9000		ND		
ZINC	0.3600	2.0000	24000.00	27.4000	28.0000	35.0000		B		
ALUMINUM	3.7000	50.0000		10300.0000	2100.0000					
ANTIMONY	3.8000	40.0000	32.0000	0.0000 ND	0.0000 ND			ND		
ARSENIC	0.3300	60.0000	38.9000	3.6000	0.6000 B			ND		
BARIUM	0.7800	2.0000	5600.000	87.0000	28.2000			ND		
BERYLLIUM	0.1100	0.3000	16.3000	0.6000	0.1800 B			ND		
CADMIUM	0.3300	4.0000	40.0000	0.9000	0.0000 ND			ND		
CALCIUM	0.7800	10.0000		14300.0000	1040.0000			B		
CHROMIUM, TOTAL	0.7800	7.0000		10.0000	2.4000			B		
COBALT	0.4500	7.0000		6.4000	2.1000 B			ND		
COPPER	0.6700	6.0000		13.6000	15.8000			ND		
IRON	0.5600	7.0000		13800.0000	3580.0000					
LEAD	0.1100	50.0000	400.0000	6.8000	2.5000			ND		
MAGNESIUM	3.0000	30.0000		4800.0000	915.0000			B		
MANGANESE	0.1100	2.0000	400.0000	334.0000	63.7000			B		
NICKEL	0.7800	15.0000	1600.000	9.8000	3.2000 B			ND		
POTASSIUM	1.1000	500.0000		2120.0000	248.0000 B			B		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: *Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-99-2024 Lab ID: 940654-04	Field ID: KAFB-219-99-9094 Lab ID: 940654-11	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID: 940654-01	Ambient Blank Field ID: Lab ID:	Lab ID:
SELENIUM	0.4500	80.0000	400.0000	0.0000 ND	0.0000 ND			ND		
SILVER	0.5600	7.0000	400.0000	0.0000 ND	0.0000 ND			ND		
SODIUM	5.7000	30.0000		280.0000 B	94.5000 B			B		
THALLIUM	0.4500	40.0000	7.2000	0.0000 ND	0.0000 ND			ND		
VANADIUM	0.3300	8.0000	720.0000	29.5000	6.0000			ND		
ZINC	0.3300	2.0000	24000.00	40.5000	20.8000			B		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-11-1012 Lab ID: 940654-03	Field ID: KAFB-219-11-2024 Lab ID: 940654-04	Field ID: KAFB-219-11-3034 Lab ID: 940654-05	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MERCURY	0.0400	0.1000		0.0500 B	0.0000 ND	0.0600 B		ND		
MERCURY	0.0400	0.1000		0.0000 ND	0.0600 B	0.0500 B		ND		
MERCURY	0.0400	0.1000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
MERCURY	0.0400	0.1000		0.0000 ND	0.0000 ND			ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: :
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-11-1012 Lab ID:	Field ID: KAFB-219-11-2024 Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
GASOLINE COMPONENTS	2600.000	1.0000		0.0000 ND	0.0000 ND	ND	ND	ND		
GASOLINE COMPONENTS	560.0000	1.0000		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
GASOLINE COMPONENTS	510.0000	1.0000		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
GASOLINE COMPONENTS	520.0000	1.0000		0.0000 ND	0.0000 ND		ND	ND		

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

ANALYTCAL DATA SUMMARY

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-11-1012 Lab ID:	Field ID: KAFB-219-11-2024 Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
	N/A	N/A		0.0000	0.0000					
1,2-DICHLOROETHANE-D4	N/A	N/A		0.0000	0.0000					
DIESEL COMPONENTS	11.0000	10.0000		0.0000 ND	0.0000 ND			ND		
FUEL OILS	11.0000	N/A		0.0000 ND	0.0000 ND			ND		
JET FUEL #4 (JP4)	11.0000	N/A		22.0000	25.0000			ND		
JET FUEL #5 (JP5)	11.0000	N/A		0.0000 ND	0.0000 ND			ND		
JET FUEL #8 (JP8)	11.0000	N/A		0.0000 ND	0.0000 ND			ND		
KEROSENE	11.0000	N/A		0.0000 ND	0.0000 ND			ND		
LUBRICATING OIL	11.0000	N/A		0.0000 ND	0.0000 ND			ND		
MED. PETROLEUM DISTILLATE C8-C12 (ie:NAPHTHA etc.)	11.0000	N/A		0.0000 ND	0.0000 ND			ND		
MOTOR OILS	11.0000	N/A		0.0000 ND	0.0000 ND			ND		
TOLUENE-D8	N/A	N/A		0.0000	0.0000					
	N/A	N/A		0.0000 ND	0.0000	0.0000				
1,2-DICHLOROETHANE-D4	N/A	N/A		0.0000 ND	0.0000	0.0000				
DIESEL COMPONENTS	12.0000	10.0000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
FUEL OILS	12.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
JET FUEL #4 (JP4)	12.0000	N/A		0.0000 ND	140.0000	0.0000 ND		ND		
JET FUEL #5 (JP5)	12.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
JET FUEL #8 (JP8)	12.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
KEROSENE	12.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
LUBRICATING OIL	12.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
MED. PETROLEUM DISTILLATE C8-C12 (ie:NAPHTHA etc.)	12.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
MOTOR OILS	12.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
TOLUENE-D8	N/A	N/A		0.0000 ND	0.0000	0.0000				
	N/A	N/A		0.0000	0.0000	0.0000				
1,2-DICHLOROETHANE-D4	N/A	N/A		0.0000	0.0000	0.0000				
DIESEL COMPONENTS	10.0000	10.0000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
FUEL OILS	10.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
JET FUEL #4 (JP4)	10.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
JET FUEL #5 (JP5)	10.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
JET FUEL #8 (JP8)	10.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
KEROSENE	10.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
LUBRICATING OIL	10.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
MED. PETROLEUM DISTILLATE C8-C12 (ie:NAPHTHA etc.)	10.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
MOTOR OILS	10.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
TOLUENE-D8	N/A	N/A		0.0000	0.0000	0.0000				
	N/A	N/A		0.0000	0.0000					
1,2-DICHLOROETHANE-D4	N/A	N/A		0.0000	0.0000					
DIESEL COMPONENTS	10.0000	10.0000		0.0000 ND	0.0000 ND			ND		
FUEL OILS	10.0000	N/A		0.0000 ND	0.0000 ND			ND		
JET FUEL #4 (JP4)	10.0000	N/A		0.0000 ND	0.0000 ND			ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-11-9094 Lab ID:	Field ID: KAFB-219-99-9094 Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
JET FUEL #5 (JP5)	10.0000	N/A		0.0000 ND	0.0000 ND			ND		
JET FUEL #8 (JP8)	10.0000	N/A		0.0000 ND	0.0000 ND			ND		
KEROSENE	10.0000	N/A		0.0000 ND	0.0000 ND			ND		
LUBRICATING OIL	10.0000	N/A		0.0000 ND	0.0000 ND			ND		
MED. PETROLEUM DISTILLATE C8-C12 (ie:NAPHTHA etc.)	10.0000	N/A		0.0000 ND	0.0000 ND			ND		
MOTOR OILS	10.0000	N/A		0.0000 ND	0.0000 ND			ND		
TOLUENE-D8	N/A	N/A		0.0000	0.0000					

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

ANALYTCAL DATA SUMMARY

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-11-1012 Lab ID: 940654-03	Field ID: KAFB-219-11-2024 Lab ID: 940654-04	Field ID: KAFB-219-11-3034 Lab ID: 940654-05	Trip Blank Field ID: Lab ID: 940654-02	Equipment Blank Field ID: Lab ID: 940654-01	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	27.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
1,1,2,2-TETRACHLOROETHANE	27.0000	0.0050	35.0000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
1,1,2-TRICHLOROETHANE	27.0000	0.0050	123.0000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
1,1-DICHLOROETHANE	27.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
1,1-DICHLOROETHENE	27.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
1,2-DICHLOROETHANE	27.0000	0.0050	7.6900	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
1,2-DICHLOROPROPYLENE	27.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
2-HEXANONE	53.0000	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
ACETONE	N/A	0.1000	8000.000	85.0000	0.0000 ND	0.0000 ND	ND	ND		
BENZENE	27.0000	0.0050	24.1000	0.0000 ND	0.0000 ND	1.0000 J	ND	ND		
BROMODICHLOROMETHANE	27.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
BROMOFORM	27.0000	0.0050	88.6000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
BROMOMETHANE	53.0000	0.0100	32.0000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
CARBON DISULFIDE	27.0000	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
CARBON TETRACHLORIDE	27.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
CHLOROBENZENE	27.0000	N/A	2160.000	0.0000 ND	1.0000 J	0.0000 ND	ND	ND		
CHLOROETHANE	53.0000	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
CHLOROFORM	27.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
CHLOROMETHANE	53.0000	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
DIBROMOCHLOROMETHANE	27.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
ETHYLBENZENE	27.0000	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
METHYL ETHYL KETONE (2-BUTANONE)	53.0000	0.1000	48000.00	0.0000 ND	10.0000 J	0.0000 ND	ND	ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	53.0000	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
METHYLENE CHLORIDE	27.0000	0.0050	93.3000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
STYRENE	27.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
TETRACHLOROETHYLENE(PCE)	27.0000	0.0050	800.0000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
TOLUENE	27.0000	0.0050	16000.00	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
TOTAL 1,2-DICHLOROETHENE	27.0000	N/A		0.0000 ND	0.0000 ND	54.0000	ND	ND		
TRICHLOROETHYLENE (TCE)	27.0000	0.0050	63.6000	0.0000 ND	0.0000 ND	19.0000	ND	ND		
VINYL CHLORIDE	53.0000	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
XYLENES, TOTAL	27.0000	0.0050	160000.0	0.0000 ND	0.0000 ND	3.0000 J	ND	ND		
cis-1,3-DICHLOROPROPENE	27.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
trans-1,3-DICHLOROPROPENE	27.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
1,1,1-TRICHLOROETHANE	29.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
1,1,2,2-TETRACHLOROETHANE	29.0000	0.0050	35.0000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
1,1,2-TRICHLOROETHANE	29.0000	0.0050	123.0000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
1,1-DICHLOROETHANE	29.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
1,1-DICHLOROETHENE	29.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
1,2-DICHLOROETHANE	29.0000	0.0050	7.6900	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
1,2-DICHLOROPROPYLENE	29.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
2-HEXANONE	58.0000	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-11-4042 Lab ID: 940654-06	Field ID: KAFB-219-11-5052 Lab ID: 940654-07	Field ID: KAFB-219-11-6062 Lab ID: 940654-08	Trip Blank Field ID: Lab ID: 940654-02	Equipment Blank Field ID: Lab ID: 940654-01	Ambient Blank Field ID: Lab ID:	Lab ID:
ACETONE	N/A	0.1000	8000.000	36.0000 J	0.0000 ND	0.0000 ND	ND	ND		
BENZENE	29.0000	0.0050	24.1000	0.0000 ND	1.0000 J	0.0000 ND	ND	ND		
BROMODICHLOROMETHANE	29.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
BROMOFORM	29.0000	0.0050	88.6000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
BROMOMETHANE	58.0000	0.0100	32.0000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
CARBON DISULFIDE	29.0000	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
CARBON TETRACHLORIDE	29.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
CHLOROBENZENE	29.0000	N/A	2160.000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
CHLOROETHANE	58.0000	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
CHLOROFORM	29.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
CHLOROMETHANE	58.0000	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
DIBROMOCHLOROMETHANE	29.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
ETHYLBENZENE	29.0000	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
METHYL ETHYL KETONE (2-BUTANONE)	58.0000	0.1000	48000.00	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	58.0000	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
METHYLENE CHLORIDE	29.0000	0.0050	93.3000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
STYRENE	29.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
TETRACHLOROETHYLENE(PCE)	29.0000	0.0050	800.0000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
TOLUENE	N/A	0.0050	16000.00	13.0000 J	1.0000 J	1.0000 J	ND	ND		
TOTAL 1,2-DICHLOROETHENE	29.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
TRICHLOROETHYLENE (TCE)	29.0000	0.0050	63.6000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
VINYL CHLORIDE	58.0000	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
XYLENES, TOTAL	29.0000	0.0050	160000.0	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
cis-1,3-DICHLOROPROPENE	29.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
trans-1,3-DICHLOROPROPENE	29.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
1,1,1-TRICHLOROETHANE	5.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
1,1,2,2-TETRACHLOROETHANE	5.0000	0.0050	35.0000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
1,1,2-TRICHLOROETHANE	5.0000	0.0050	123.0000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
1,1-DICHLOROETHANE	5.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
1,1-DICHLOROETHENE	5.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
1,2-DICHLOROETHANE	5.0000	0.0050	7.6900	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
1,2-DICHLOROPROPYLENE	5.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
2-HEXANONE	11.0000	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
ACETONE	11.0000	0.1000	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
BENZENE	N/A	0.0050	24.1000	1.0000 J	0.0000 ND	0.0000 ND	ND	ND		
BROMODICHLOROMETHANE	5.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
BROMOFORM	5.0000	0.0050	88.6000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
BROMOMETHANE	11.0000	0.0100	32.0000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
CARBON DISULFIDE	5.0000	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
CARBON TETRACHLORIDE	5.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
CHLOROBENZENE	N/A	N/A	2160.000	2.0000 J	0.0000 ND	0.0000 ND	ND	ND		

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

ANALYTCAL DATA SUMMARY

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-11-7072 Lab ID: 940654-09	Field ID: KAFB-219-11-8082 Lab ID: 940654-10	Field ID: KAFB-219-11-9094 Lab ID: 940654-11	Trip Blank Field ID: Lab ID: 940654-02	Equipment Blank Field ID: Lab ID: 940654-01	Ambient Blank Field ID: Lab ID:	Lab ID:
CHLOROETHANE	11.0000	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
CHLOROFORM	5.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
CHLOROMETHANE	11.0000	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
DIBROMOCHLOROMETHANE	5.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
ETHYLBENZENE	N/A	0.0050	8000.000	1.0000 JX	0.0000 ND	0.0000 ND	ND	ND		
METHYL ETHYL KETONE (2-BUTANONE)	11.0000	0.1000	48000.00	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	11.0000	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
METHYLENE CHLORIDE	5.0000	0.0050	93.3000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
STYRENE	5.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
TETRACHLOROETHYLENE(PCE)	5.0000	0.0050	800.0000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
TOLUENE	N/A	0.0050	16000.00	5.0000 J	0.0000 ND	0.0000 ND	ND	ND		
TOTAL 1,2-DICHLOROETHENE	5.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
TRICHLOROETHYLENE (TCE)	5.0000	0.0050	63.6000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
VINYL CHLORIDE	11.0000	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
XYLENES, TOTAL	N/A	0.0050	160000.0	8.0000	0.0000 ND	0.0000 ND	ND	ND		
cis-1,3-DICHLOROPROPENE	5.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
trans-1,3-DICHLOROPROPENE	5.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
1,1,1-TRICHLOROETHANE	690.0000	0.0050		0.0000 ND	0.0000 ND		ND	ND		
1,1,2,2-TETRACHLOROETHANE	690.0000	0.0050	35.0000	0.0000 ND	0.0000 ND		ND	ND		
1,1,2-TRICHLOROETHANE	690.0000	0.0050	123.0000	0.0000 ND	0.0000 ND		ND	ND		
1,1-DICHLOROETHANE	690.0000	0.0050		0.0000 ND	0.0000 ND		ND	ND		
1,1-DICHLOROETHENE	690.0000	0.0050		0.0000 ND	0.0000 ND		ND	ND		
1,2-DICHLOROETHANE	690.0000	0.0050	7.6900	0.0000 ND	0.0000 ND		ND	ND		
1,2-DICHLOROPROPYLENE	690.0000	N/A		0.0000 ND	0.0000 ND		ND	ND		
2-HEXANONE	1400.000	0.0500		0.0000 ND	0.0000 ND		ND	ND		
ACETONE	1400.000	0.1000	8000.000	0.0000 ND	10.0000 J		ND	ND		
BENZENE	690.0000	0.0050	24.1000	0.0000 ND	0.0000 ND		ND	ND		
BROMODICHLOROMETHANE	690.0000	0.0050		0.0000 ND	0.0000 ND		ND	ND		
BROMOFORM	690.0000	0.0050	88.6000	0.0000 ND	0.0000 ND		ND	ND		
BROMOMETHANE	1400.000	0.0100	32.0000	0.0000 ND	0.0000 ND		ND	ND		
CARBON DISULFIDE	690.0000	0.0050	8000.000	0.0000 ND	0.0000 ND		ND	ND		
CARBON TETRACHLORIDE	690.0000	0.0050		0.0000 ND	0.0000 ND		ND	ND		
CHLOROBENZENE	690.0000	N/A	2160.000	1.0000 J	0.0000 ND		ND	ND		
CHLOROETHANE	1400.000	0.0100		0.0000 ND	0.0000 ND		ND	ND		
CHLOROFORM	690.0000	0.0050		0.0000 ND	0.0000 ND		ND	ND		
CHLOROMETHANE	1400.000	0.0100		0.0000 ND	0.0000 ND		ND	ND		
DIBROMOCHLOROMETHANE	690.0000	0.0050		0.0000 ND	0.0000 ND		ND	ND		
ETHYLBENZENE	N/A	0.0050	8000.000	0.0000 ND	0.0000 ND		ND	ND		
METHYL ETHYL KETONE (2-BUTANONE)	1400.000	0.1000	48000.00	10.0000 J	0.0000 ND		ND	ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	1400.000	0.0500		0.0000 ND	0.0000 ND		ND	ND		
METHYLENE CHLORIDE	690.0000	0.0050	93.3000	0.0000 ND	0.0000 ND		ND	ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-99-2024 Lab ID: 940654-04	Field ID: KAFB-219-99-9094 Lab ID: 940654-11	Field ID: Lab ID:	Trip Blank Field ID: Lab ID: 940654-02	Equipment Blank Field ID: Lab ID: 940654-01	Ambient Blank Field ID: Lab ID:	Lab ID:
STYRENE	690.0000	0.0050		0.0000 ND	0.0000 ND		ND	ND		
TETRACHLOROETHYLENE(PCE)	690.0000	0.0050	800.0000	0.0000 ND	0.0000 ND		ND	ND		
TOLUENE	690.0000	0.0050	16000.00	0.0000 ND	0.0000 ND		ND	ND		
TOTAL 1,2-DICHLOROETHENE	690.0000	N/A		0.0000 ND	0.0000 ND		ND	ND		
TRICHLOROETHYLENE (TCE)	N/A	0.0050	63.6000	0.0000 ND	0.0000 ND		ND	ND		
VINYL CHLORIDE	1400.000	0.0100		0.0000 ND	0.0000 ND		ND	ND		
XYLENES, TOTAL	690.0000	0.0050	160000.0	0.0000 ND	0.0000 ND		ND	ND		
cis-1,3-DICHLOROPROPENE	690.0000	0.0050		0.0000 ND	0.0000 ND		ND	ND		
trans-1,3-DICHLOROPROPENE	690.0000	0.0050		0.0000 ND	0.0000 ND		ND	ND		

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units:

ANALYTCAL DATA SUMMARY

Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-11-1012 Lab ID:	Field ID: KAFB-219-11-2024 Lab ID:	Field ID: KAFB-219-11-3034 Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
1,2,4-TRICHLOROBENZENE	350.0000	0.7000	800.0000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
1,2-DICHLOROBENZENE	350.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
1,3-DICHLOROBENZENE	350.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
1,4-DICHLOROBENZENE	350.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2,4,5-TRICHLOROPHENOL	840.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2,4,6-TRICHLOROPHENOL	350.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2,4-DICHLOROPHENOL	350.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2,4-DIMETHYLPHENOL	350.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2,4-DINITROPHENOL	840.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2,4-DINITROTOLUENE	350.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2,6-DINITROTOLUENE	350.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2-CHLORONAPHTHALENE	350.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2-CHLOROPHENOL	350.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2-METHYLNAPHTHALENE	350.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
2-METHYLPHENOL (o-CRESOL)	350.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2-NITROANILINE	840.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2-NITROPHENOL	350.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
3,3'-DICHLOROBENZIDINE	350.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
3-NITROANILINE	840.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
4,6-DINITRO-2-METHYLPHENOL	840.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
4-BROMOPHENYL PHENYL ETHER	350.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
4-CHLORO-3-METHYLPHENOL	350.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
4-CHLOROANILINE	350.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
4-CHLOROPHENYL PHENYL ETHER	350.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
4-METHYLPHENOL (p-CRESOL)	350.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
4-NITROANILINE	840.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
4-NITROPHENOL	840.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
ACENAPHTHENE	350.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
ACENAPHTHYLENE	350.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
ANTHRACENE	350.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
BENZO(a)ANTHRACENE	350.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
BENZO(a)PYRENE	350.0000	0.7000	959.0000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
BENZO(b)FLUORANTHENE	350.0000	0.7000	95.9000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
BENZO(g,h,i)PERYLENE	350.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
BENZO(k)FLUORANTHENE	350.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
BENZYL BUTYL PHTHALATE	350.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
CARBAZOLE	350.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
CHRYSENE	350.0000	0.7000	9.5900	0.0000 ND	0.0000 ND	0.0000 ND		ND		
DI-n-BUTYL PHTHALATE	350.0000	0.7000	8000.000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
DI-n-OCTYLPHTHALATE	350.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
DIBENZ(a,h)ANTHRACENE	350.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units:

Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-11-1012 Lab ID:	Field ID: KAFB-219-11-2024 Lab ID:	Field ID: KAFB-219-11-3034 Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
DIBENZOFURAN	350.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
DIETHYL PHTHALATE	350.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
DIMETHYL PHTHALATE	350.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
FLUORANTHENE	350.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
FLUORENE	350.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
HEXACHLOROBENZENE	350.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
HEXACHLOROBUTADIENE	350.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
HEXACHLOROCYCLOPENTADIENE	350.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
HEXACHLOROETHANE	350.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
INDENO(1,2,3-c,d)PYRENE	350.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
ISOPHORONE	350.0000	0.7000	7370.000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
N-NITROSODI-n-PROPYLAMINE	350.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
N-NITROSODIPHENYLAMINE	350.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
NAPHTHALENE	350.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
NITROBENZENE	350.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
PENTACHLOROPHENOL	840.0000	3.3000	5.8300	0.0000 ND	0.0000 ND	0.0000 ND		ND		
PHENANTHRENE	350.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
PHENOL	350.0000	0.3000	48000.00	0.0000 ND	0.0000 ND	0.0000 ND		ND		
PYRENE	350.0000	0.7000	2400.000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
bis(2-CHLOROETHOXY) METHANE	350.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	350.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
bis(2-CHLOROISOPROPYL) ETHER	350.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
bis(2-ETHYLHEXYL) PHTHALATE	350.0000	0.7000	50.0000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
1,2,4-TRICHLOROBENZENE	410.0000	0.7000	800.0000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
1,2-DICHLOROBENZENE	410.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
1,3-DICHLOROBENZENE	410.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
1,4-DICHLOROBENZENE	410.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2,4,5-TRICHLOROPHENOL	990.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2,4,6-TRICHLOROPHENOL	410.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2,4-DICHLOROPHENOL	410.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2,4-DIMETHYLPHENOL	410.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2,4-DINITROPHENOL	990.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2,4-DINITROTOLUENE	410.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2,6-DINITROTOLUENE	410.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2-CHLORONAPHTHALENE	410.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2-CHLOROPHENOL	410.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2-METHYLNAPHTHALENE	N/A	0.7000	3200.000	45.0000 J	0.0000 ND	0.0000 ND		ND		
2-METHYLPHENOL (o-CRESOL)	410.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2-NITROANILINE	990.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2-NITROPHENOL	410.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
3,3'-DICHLOROBENZIDINE	410.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units:

ANALYTCAL DATA SUMMARY

Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-11-4042 Lab ID:	Field ID: KAFB-219-11-5052 Lab ID:	Field ID: KAFB-219-11-6062 Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
3-NITROANILINE	990.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
4,6-DINITRO-2-METHYLPHENOL	990.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
4-BROMOPHENYL PHENYL ETHER	410.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
4-CHLORO-3-METHYLPHENOL	410.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
4-CHLOROANILINE	410.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
4-CHLOROPHENYL PHENYL ETHER	410.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
4-METHYLPHENOL (p-CRESOL)	410.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
4-NITROANILINE	990.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
4-NITROPHENOL	990.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
ACENAPHTHENE	410.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
ACENAPHTHYLENE	410.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
ANTHRACENE	410.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
BENZO(a)ANTHRACENE	410.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
BENZO(a)PYRENE	410.0000	0.7000	959.0000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
BENZO(b)FLUORANTHENE	410.0000	0.7000	95.9000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
BENZO(g,h,i)PERYLENE	410.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
BENZO(k)FLUORANTHENE	410.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
BENZYL BUTYL PHTHALATE	410.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
CARBAZOLE	410.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
CHRYSENE	410.0000	0.7000	9.5900	0.0000 ND	0.0000 ND	0.0000 ND		ND		
DI-n-BUTYL PHTHALATE	410.0000	0.7000	8000.000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
DI-n-OCTYLPHTHALATE	410.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
DIBENZ(a,h)ANTHRACENE	410.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
DIBENZOFURAN	410.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
DIETHYL PHTHALATE	410.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
DIMETHYL PHTHALATE	410.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
FLUORANTHENE	410.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
FLUORENE	410.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
HEXACHLOROBENZENE	410.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
HEXACHLOROBUTADIENE	410.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
HEXACHLOROCYCLOPENTADIENE	410.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
HEXACHLOROETHANE	410.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
INDENO(1,2,3-c,d)PYRENE	410.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
ISOPHORONE	410.0000	0.7000	7370.000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
N-NITROSODI-n-PROPYLAMINE	410.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
N-NITROSODIPHENYLAMINE	410.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
NAPHTHALENE	N/A	0.7000	3200.000	60.0000 J	0.0000 ND	0.0000 ND		ND		
NITROBENZENE	410.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
PENTACHLOROPHENOL	990.0000	3.3000	5.8300	0.0000 ND	0.0000 ND	0.0000 ND		ND		
PHENANTHRENE	410.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
PHENOL	410.0000	0.3000	48000.00	0.0000 ND	0.0000 ND	0.0000 ND		ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg 481
Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units:

Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-11-4042 Lab ID:	Field ID: KAFB-219-11-5052 Lab ID:	Field ID: KAFB-219-11-6062 Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
PYRENE	410.0000	0.7000	2400.000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
bis(2-CHLOROETHOXY) METHANE	410.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	410.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
bis(2-CHLOROISOPROPYL) ETHER	410.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
bis(2-ETHYLHEXYL) PHTHALATE	410.0000	0.7000	50.0000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
1,2,4-TRICHLOROBENZENE	340.0000	0.7000	800.0000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
1,2-DICHLOROBENZENE	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
1,3-DICHLOROBENZENE	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
1,4-DICHLOROBENZENE	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2,4,5-TRICHLOROPHENOL	830.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2,4,6-TRICHLOROPHENOL	340.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2,4-DICHLOROPHENOL	340.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2,4-DIMETHYLPHENOL	340.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2,4-DINITROPHENOL	830.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2,4-DINITROTOLUENE	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2,6-DINITROTOLUENE	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2-CHLORONAPHTHALENE	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2-CHLOROPHENOL	340.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2-METHYLNAPHTHALENE	340.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
2-METHYLPHENOL (o-CRESOL)	340.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2-NITROANILINE	830.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2-NITROPHENOL	340.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
3,3'-DICHLOROBENZIDINE	340.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
3-NITROANILINE	830.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
4,6-DINITRO-2-METHYLPHENOL	830.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
4-BROMOPHENYL PHENYL ETHER	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
4-CHLORO-3-METHYLPHENOL	340.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
4-CHLOROANILINE	340.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
4-CHLOROPHENYL PHENYL ETHER	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
4-METHYLPHENOL (p-CRESOL)	340.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
4-NITROANILINE	830.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
4-NITROPHENOL	830.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
ACENAPHTHENE	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
ACENAPHTHYLENE	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
ANTHRACENE	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
BENZO(a)ANTHRACENE	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
BENZO(a)PYRENE	340.0000	0.7000	959.0000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
BENZO(b)FLUORANTHENE	340.0000	0.7000	95.9000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
BENZO(g,h,i)PERYLENE	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
BENZO(k)FLUORANTHENE	340.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
BENZYL BUTYL PHTHALATE	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units:

ANALYTCAL DATA SUMMARY

Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-11-7072 Lab ID:	Field ID: KAFB-219-11-8082 Lab ID:	Field ID: KAFB-219-11-9094 Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
CARBAZOLE	340.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
CHRYSENE	340.0000	0.7000	9.5900	0.0000 ND	0.0000 ND	0.0000 ND		ND		
DI-n-BUTYL PHTHALATE	340.0000	0.7000	8000.000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
DI-n-OCTYLPHTHALATE	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
DIBENZ(a,h)ANTHRACENE	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
DIBENZOFURAN	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
DIETHYL PHTHALATE	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
DIMETHYL PHTHALATE	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
FLUORANTHENE	340.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
FLUORENE	340.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
HEXACHLOROBENZENE	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
HEXACHLOROBUTADIENE	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
HEXACHLOROCYCLOPENTADIENE	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
HEXACHLOROETHANE	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
INDENO(1,2,3-c,d)PYRENE	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
ISOPHORONE	340.0000	0.7000	7370.000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
N-NITROSODI-n-PROPYLAMINE	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
N-NITROSODIPHENYLAMINE	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
NAPHTHALENE	340.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
NITROBENZENE	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
PENTACHLOROPHENOL	830.0000	3.3000	5.8300	0.0000 ND	0.0000 ND	0.0000 ND		ND		
PHENANTHRENE	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
PHENOL	340.0000	0.3000	48000.00	0.0000 ND	0.0000 ND	0.0000 ND		ND		
PYRENE	340.0000	0.7000	2400.000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
bis(2-CHLOROETHOXY) METHANE	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
bis(2-CHLOROISOPROPYL) ETHER	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
bis(2-ETHYLHEXYL) PHTHALATE	340.0000	0.7000	50.0000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
1,2,4-TRICHLOROBENZENE	3600.000	0.7000	800.0000	0.0000 ND	0.0000 ND			ND		
1,2-DICHLOROBENZENE	3600.000	0.7000		0.0000 ND	0.0000 ND			ND		
1,3-DICHLOROBENZENE	3600.000	0.7000		0.0000 ND	0.0000 ND			ND		
1,4-DICHLOROBENZENE	3600.000	0.7000		0.0000 ND	0.0000 ND			ND		
2,4,5-TRICHLOROPHENOL	8800.000	3.3000		0.0000 ND	0.0000 ND			ND		
2,4,6-TRICHLOROPHENOL	3600.000	0.3000		0.0000 ND	0.0000 ND			ND		
2,4-DICHLOROPHENOL	3600.000	0.3000		0.0000 ND	0.0000 ND			ND		
2,4-DIMETHYLPHENOL	3600.000	0.3000		0.0000 ND	0.0000 ND			ND		
2,4-DINITROPHENOL	8800.000	3.3000		0.0000 ND	0.0000 ND			ND		
2,4-DINITROTOLUENE	3600.000	0.7000		0.0000 ND	0.0000 ND			ND		
2,6-DINITROTOLUENE	3600.000	0.7000		0.0000 ND	0.0000 ND			ND		
2-CHLORONAPHTHALENE	3600.000	0.7000		0.0000 ND	0.0000 ND			ND		
2-CHLOROPHENOL	3600.000	0.3000		0.0000 ND	0.0000 ND			ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units:

Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-99-2024 Lab ID:	Field ID: KAFB-219-99-9094 Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
2-METHYLNAPHTHALENE	N/A	0.7000	3200.000	0.0000 ND	0.0000 ND			ND		
2-METHYLPHENOL (o-CRESOL)	3600.000	0.3000		0.0000 ND	0.0000 ND			ND		
2-NITROANILINE	8800.000	3.3000		0.0000 ND	0.0000 ND			ND		
2-NITROPHENOL	3600.000	0.3000		0.0000 ND	0.0000 ND			ND		
3,3'-DICHLOROBENZIDINE	3600.000	1.3000		0.0000 ND	0.0000 ND			ND		
3-NITROANILINE	8800.000	3.3000		0.0000 ND	0.0000 ND			ND		
4,6-DINITRO-2-METHYLPHENOL	8800.000	3.3000		0.0000 ND	0.0000 ND			ND		
4-BROMOPHENYL PHENYL ETHER	3600.000	0.7000		0.0000 ND	0.0000 ND			ND		
4-CHLORO-3-METHYLPHENOL	3600.000	1.3000		0.0000 ND	0.0000 ND			ND		
4-CHLOROANILINE	3600.000	1.3000		0.0000 ND	0.0000 ND			ND		
4-CHLOROPHENYL PHENYL ETHER	3600.000	0.7000		0.0000 ND	0.0000 ND			ND		
4-METHYLPHENOL (p-CRESOL)	3600.000	0.3000		0.0000 ND	0.0000 ND			ND		
4-NITROANILINE	8800.000	3.3000		0.0000 ND	0.0000 ND			ND		
4-NITROPHENOL	8800.000	1.6000		0.0000 ND	0.0000 ND			ND		
ACENAPHTHENE	3600.000	0.7000		0.0000 ND	0.0000 ND			ND		
ACENAPHTHYLENE	3600.000	0.7000		0.0000 ND	0.0000 ND			ND		
ANTHRACENE	3600.000	0.7000		0.0000 ND	0.0000 ND			ND		
BENZO(a)ANTHRACENE	3600.000	0.7000		0.0000 ND	0.0000 ND			ND		
BENZO(a)PYRENE	3600.000	0.7000	959.0000	0.0000 ND	0.0000 ND			ND		
BENZO(b)FLUORANTHENE	3600.000	0.7000	95.9000	0.0000 ND	0.0000 ND			ND		
BENZO(g,h,i)PERYLENE	3600.000	0.7000		0.0000 ND	0.0000 ND			ND		
BENZO(k)FLUORANTHENE	3600.000	N/A		0.0000 ND	0.0000 ND			ND		
BENZYL BUTYL PHTHALATE	3600.000	0.7000		0.0000 ND	0.0000 ND			ND		
CARBAZOLE	3600.000	N/A		0.0000 ND	0.0000 ND			ND		
CHRYSENE	3600.000	0.7000	9.5900	0.0000 ND	0.0000 ND			ND		
DI-n-BUTYL PHTHALATE	3600.000	0.7000	8000.000	0.0000 ND	0.0000 ND			ND		
DI-n-OCTYLPHTHALATE	3600.000	0.7000		0.0000 ND	0.0000 ND			ND		
DIBENZ(a,h)ANTHRACENE	3600.000	0.7000		0.0000 ND	0.0000 ND			ND		
DIBENZOFURAN	3600.000	0.7000		0.0000 ND	0.0000 ND			ND		
DIETHYL PHTHALATE	3600.000	0.7000		0.0000 ND	0.0000 ND			ND		
DIMETHYL PHTHALATE	3600.000	0.7000		0.0000 ND	0.0000 ND			ND		
FLUORANTHENE	3600.000	0.7000	3360.000	0.0000 ND	0.0000 ND			ND		
FLUORENE	3600.000	0.7000	3360.000	0.0000 ND	0.0000 ND			ND		
HEXACHLOROBENZENE	3600.000	0.7000		0.0000 ND	0.0000 ND			ND		
HEXACHLOROBUTADIENE	3600.000	0.7000		0.0000 ND	0.0000 ND			ND		
HEXACHLOROCYCLOPENTADIENE	3600.000	0.7000		0.0000 ND	0.0000 ND			ND		
HEXACHLOROETHANE	3600.000	0.7000		0.0000 ND	0.0000 ND			ND		
INDENO(1,2,3-c,d)PYRENE	3600.000	0.7000		0.0000 ND	0.0000 ND			ND		
ISOPHORONE	3600.000	0.7000	7370.000	0.0000 ND	0.0000 ND			ND		
N-NITROSODI-n-PROPYLAMINE	3600.000	0.7000		0.0000 ND	0.0000 ND			ND		
N-NITROSODIPHENYLAMINE	3600.000	0.7000		0.0000 ND	0.0000 ND			ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units:

Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-99-2024 Lab ID:	Field ID: KAFB-219-99-9094 Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
NAPHTHALENE	3600.000	0.7000	3200.000	0.0000 ND	0.0000 ND			ND		
NITROBENZENE	3600.000	0.7000		0.0000 ND	0.0000 ND			ND		
PENTACHLOROPHENOL	8800.000	3.3000	5.8300	0.0000 ND	0.0000 ND			ND		
PHENANTHRENE	3600.000	0.7000		0.0000 ND	0.0000 ND			ND		
PHENOL	3600.000	0.3000	48000.00	0.0000 ND	0.0000 ND			ND		
PYRENE	3600.000	0.7000	2400.000	0.0000 ND	0.0000 ND			ND		
bis(2-CHLOROETHOXY) METHANE	3600.000	0.7000		0.0000 ND	0.0000 ND			ND		
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	3600.000	0.7000		0.0000 ND	0.0000 ND			ND		
bis(2-CHLOROISOPROPYL) ETHER	3600.000	0.7000		0.0000 ND	0.0000 ND			ND		
bis(2-ETHYLHEXYL) PHTHALATE	3600.000	0.7000	50.0000	0.0000 ND	36.0000 J			ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: :
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-11-100102 Lab ID:	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
GASOLINE COMPONENTS	610.0000	1.0000		0.0000 ND			ND			

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-11-100102 Lab ID:	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
DIESEL COMPONENTS	12.0000	10.0000		0.0000 ND						
FUEL OILS	12.0000	N/A		0.0000 ND						
JET FUEL #4 (JP4)	12.0000	N/A		0.0000 ND						
JET FUEL #5 (JP5)	12.0000	N/A		0.0000 ND						
JET FUEL #8 (JP8)	12.0000	N/A		0.0000 ND						
KEROSENE	12.0000	N/A		0.0000 ND						
LUBRICATING OIL	12.0000	N/A		0.0000 ND						
MED. PETROLEUM DISTILLATE C8-C12 (ie:NAPHTHA etc.)	12.0000	N/A		0.0000 ND						
MOTOR OILS	12.0000	N/A		0.0000 ND						

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-11-100102 Lab ID: 940662-12	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	6.0000	0.0050		0.0000 ND			ND			
1,1,2,2-TETRACHLOROETHANE	6.0000	0.0050	35.0000	0.0000 ND			ND			
1,1,2-TRICHLOROETHANE	6.0000	0.0050	123.0000	0.0000 ND			ND			
1,1-DICHLOROETHANE	6.0000	0.0050		0.0000 ND			ND			
1,1-DICHLOROETHENE	6.0000	0.0050		0.0000 ND			ND			
1,2-DICHLOROETHANE	6.0000	0.0050	7.6900	0.0000 ND			ND			
1,2-DICHLOROPROPYLENE	6.0000	N/A		0.0000 ND			ND			
2-HEXANONE	12.0000	0.0500		0.0000 ND			ND			
ACETONE	N/A	0.1000	8000.000	19.0000			ND			
BENZENE	6.0000	0.0050	24.1000	0.0000 ND			ND			
BROMODICHLOROMETHANE	6.0000	0.0050		0.0000 ND			ND			
BROMOFORM	6.0000	0.0050	88.6000	0.0000 ND			ND			
BROMOMETHANE	12.0000	0.0100	32.0000	0.0000 ND			ND			
CARBON DISULFIDE	6.0000	0.0050	8000.000	0.0000 ND			ND			
CARBON TETRACHLORIDE	6.0000	0.0050		0.0000 ND			ND			
CHLOROBENZENE	6.0000	N/A	2160.000	0.0000 ND			ND			
CHLOROETHANE	12.0000	0.0100		0.0000 ND			ND			
CHLOROFORM	6.0000	0.0050		0.0000 ND			ND			
CHLOROMETHANE	12.0000	0.0100		0.0000 ND			ND			
DIBROMOCHLOROMETHANE	6.0000	0.0050		0.0000 ND			ND			
ETHYLBENZENE	6.0000	0.0050	8000.000	0.0000 ND			ND			
METHYL ETHYL KETONE (2-BUTANONE)	12.0000	0.1000	48000.00	0.0000 ND			ND			
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	12.0000	0.0500		0.0000 ND			ND			
METHYLENE CHLORIDE	6.0000	0.0050	93.3000	0.0000 ND			ND			
STYRENE	6.0000	0.0050		0.0000 ND			ND			
TETRACHLOROETHYLENE(PCE)	6.0000	0.0050	800.0000	0.0000 ND			ND			
TOLUENE	N/A	0.0050	16000.00	3.0000 BJ			ND			
TOTAL 1,2-DICHLOROETHENE	6.0000	N/A		0.0000 ND			ND			
TRICHLOROETHYLENE (TCE)	6.0000	0.0050	63.6000	0.0000 ND			ND			
VINYL CHLORIDE	12.0000	0.0100		0.0000 ND			ND			
XYLENES, TOTAL	6.0000	0.0050	160000.0	0.0000 ND			ND			
cis-1,3-DICHLOROPROPENE	6.0000	0.0050		0.0000 ND			ND			
trans-1,3-DICHLOROPROPENE	6.0000	0.0050		0.0000 ND			ND			

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units:

ANALYTCAL DATA SUMMARY

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-11-100102 Lab ID:	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
1,2,4-TRICHLOROBENZENE	390.0000	0.7000	800.0000	0.0000 ND						
1,2-DICHLOROBENZENE	390.0000	0.7000		0.0000 ND						
1,3-DICHLOROBENZENE	390.0000	0.7000		0.0000 ND						
1,4-DICHLOROBENZENE	390.0000	0.7000		0.0000 ND						
2,4,5-TRICHLOROPHENOL	950.0000	3.3000		0.0000 ND						
2,4,6-TRICHLOROPHENOL	390.0000	0.3000		0.0000 ND						
2,4-DICHLOROPHENOL	390.0000	0.3000		0.0000 ND						
2,4-DIMETHYLPHENOL	390.0000	0.3000		0.0000 ND						
2,4-DINITROPHENOL	950.0000	3.3000		0.0000 ND						
2,4-DINITROTOLUENE	390.0000	0.7000		0.0000 ND						
2,6-DINITROTOLUENE	390.0000	0.7000		0.0000 ND						
2-CHLORONAPHTHALENE	390.0000	0.7000		0.0000 ND						
2-CHLOROPHENOL	390.0000	0.3000		0.0000 ND						
2-METHYLNAPHTHALENE	390.0000	0.7000	3200.000	0.0000 ND						
2-METHYLPHENOL (o-CRESOL)	390.0000	0.3000		0.0000 ND						
2-NITROANILINE	950.0000	3.3000		0.0000 ND						
2-NITROPHENOL	390.0000	0.3000		0.0000 ND						
3,3'-DICHLOROBENZIDINE	390.0000	1.3000		0.0000 ND						
3-NITROANILINE	950.0000	3.3000		0.0000 ND						
4,6-DINITRO-2-METHYLPHENOL	950.0000	3.3000		0.0000 ND						
4-BROMOPHENYL PHENYL ETHER	390.0000	0.7000		0.0000 ND						
4-CHLORO-3-METHYLPHENOL	390.0000	1.3000		0.0000 ND						
4-CHLOROANILINE	390.0000	1.3000		0.0000 ND						
4-CHLOROPHENYL PHENYL ETHER	390.0000	0.7000		0.0000 ND						
4-METHYLPHENOL (p-CRESOL)	390.0000	0.3000		0.0000 ND						
4-NITROANILINE	950.0000	3.3000		0.0000 ND						
4-NITROPHENOL	950.0000	1.6000		0.0000 ND						
ACENAPHTHENE	390.0000	0.7000		0.0000 ND						
ACENAPHTHYLENE	390.0000	0.7000		0.0000 ND						
ANTHRACENE	390.0000	0.7000		0.0000 ND						
BENZO(a)ANTHRACENE	390.0000	0.7000		0.0000 ND						
BENZO(a)PYRENE	390.0000	0.7000	959.0000	0.0000 ND						
BENZO(b)FLUORANTHENE	390.0000	0.7000	95.9000	0.0000 ND						
BENZO(g,h,i)PERYLENE	390.0000	0.7000		0.0000 ND						
BENZO(k)FLUORANTHENE	390.0000	N/A		0.0000 ND						
BENZYL BUTYL PHTHALATE	390.0000	0.7000		0.0000 ND						
CARBAZOLE	390.0000	N/A		0.0000 ND						
CHRYSENE	390.0000	0.7000	9.5900	0.0000 ND						
DI-n-BUTYL PHTHALATE	390.0000	0.7000	8000.000	0.0000 ND						
DI-n-OCTYLPHTHALATE	390.0000	0.7000		0.0000 ND						
DIBENZ(a,h)ANTHRACENE	390.0000	0.7000		0.0000 ND						

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units:

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-11-100102 Lab ID:	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
DIBENZOFURAN	390.0000	0.7000		0.0000 ND						
DIETHYL PHTHALATE	390.0000	0.7000		0.0000 ND						
DIMETHYL PHTHALATE	390.0000	0.7000		0.0000 ND						
FLUORANTHENE	390.0000	0.7000	3360.000	0.0000 ND						
FLUORENE	390.0000	0.7000	3360.000	0.0000 ND						
HEXACHLOROBENZENE	390.0000	0.7000		0.0000 ND						
HEXACHLOROBUTADIENE	390.0000	0.7000		0.0000 ND						
HEXACHLOROCYCLOPENTADIENE	390.0000	0.7000		0.0000 ND						
HEXACHLOROETHANE	390.0000	0.7000		0.0000 ND						
INDENO(1,2,3-c,d)PYRENE	390.0000	0.7000		0.0000 ND						
ISOPHORONE	390.0000	0.7000	7370.000	0.0000 ND						
N-NITROSODI-n-PROPYLAMINE	390.0000	0.7000		0.0000 ND						
N-NITROSODIPHENYLAMINE	390.0000	0.7000		0.0000 ND						
NAPHTHALENE	390.0000	0.7000	3200.000	0.0000 ND						
NITROBENZENE	390.0000	0.7000		0.0000 ND						
PENTACHLOROPHENOL	950.0000	3.3000	5.8300	0.0000 ND						
PHENANTHRENE	390.0000	0.7000		0.0000 ND						
PHENOL	390.0000	0.3000	48000.00	0.0000 ND						
PYRENE	390.0000	0.7000	2400.000	0.0000 ND						
bis(2-CHLOROETHOXY) METHANE	390.0000	0.7000		0.0000 ND						
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	390.0000	0.7000		0.0000 ND						
bis(2-CHLOROISOPROPYL) ETHER	390.0000	0.7000		0.0000 ND						
bis(2-ETHYLHEXYL) PHTHALATE	390.0000	0.7000	50.0000	0.0000 ND						

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-12-1012 Lab ID:	Field ID: KAFB-219-12-9092 Lab ID: 940662-21	Field ID: KAFB-219-99-4044 Lab ID: 940662-23	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
ALUMINUM	3.8000	50.0000		6270.0000	1860.0000	7150.0000				
ANTIMONY	3.9000	40.0000	32.0000	0.0000 ND	0.0000 ND	6.4000 B				
ARSENIC	0.3400	60.0000	38.9000	2.6000	0.3300 B	3.0000				
BARIUM	0.8000	2.0000	5600.000	36.1000	28.4000	36.7000				
BERYLLIUM	0.1100	0.3000	16.3000	0.4200 B	0.1300 B	0.6900				
CADMIUM	0.3400	4.0000	40.0000	0.5000 B	0.3600 B	0.3400 B				
CALCIUM	0.8000	10.0000		44300.0000	1220.0000	3360.0000				
CHROMIUM, TOTAL	0.8000	7.0000		4.9000	1.2000	5.1000				
COBALT	0.4600	7.0000		3.6000 B	2.0000 B	4.7000 B				
COPPER	0.6800	6.0000		27.7000	91.5000	17.2000				
IRON	0.5700	7.0000		9710.0000	4500.0000	8630.0000				
LEAD	0.1100	50.0000	400.0000	5.9000	2.8000	6.5000				
MAGNESIUM	3.1000	30.0000		3800.0000	9.1000 B	3750.0000				
MANGANESE	0.1100	2.0000	400.0000	283.0000	66.4000	129.0000				
NICKEL	0.8000	15.0000	1600.000	6.6000	1.2000 B	7.0000				
POTASSIUM	1.1000	500.0000		1200.0000	262.0000 B	1600.0000				
SELENIUM	0.4600	80.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND				
SILVER	0.5700	7.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND				
SODIUM	5.8000	30.0000		157.0000 B	120.0000 B	235.0000 B				
THALLIUM	0.4600	40.0000	7.2000	0.0000 ND	0.0000 ND	0.0000 ND				
VANADIUM	0.3400	8.0000	720.0000	15.9000	9.0000	15.2000				
ZINC	0.3400	2.0000	24000.00	53.1000	53.6000	43.0000				

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg 481
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-12-9092 Lab ID: 940662-21	Field ID: KAFB-219-12-100102 Lab ID: 940662-22	Field ID: KAFB-219-99-4044 Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MERCURY	0.0400	0.1000		0.0500 B	0.0000 ND	0.0500 B				

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: :
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-12-1012 Lab ID:	Field ID: KAFB-219-12-2022 Lab ID:	Field ID: KAFB-219-12-3032 Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
GASOLINE COMPONENTS	550.0000	1.0000		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
GASOLINE COMPONENTS	640.0000	1.0000		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
GASOLINE COMPONENTS	530.0000	1.0000		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
GASOLINE COMPONENTS	520.0000	1.0000		0.0000 ND	0.0000 ND		ND	ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-12-1012 Lab ID:	Field ID: KAFB-219-12-2022 Lab ID:	Field ID: KAFB-219-12-3032 Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
	N/A	N/A		0.0000	0.0000	0.0000				
1,2-DICHLOROETHANE-D4	N/A	N/A		0.0000	0.0000	0.0000				
DIESEL COMPONENTS	11.0000	10.0000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
FUEL OILS	11.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
JET FUEL #4 (JP4)	11.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
JET FUEL #5 (JP5)	11.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
JET FUEL #8 (JP8)	11.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
KEROSENE	11.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
LUBRICATING OIL	11.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
MED. PETROLEUM DISTILLATE C8-C12 (ie:NAPHTHA etc.)	11.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
MOTOR OILS	11.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
TOLUENE-D8	N/A	N/A		0.0000	0.0000	0.0000				
	N/A	N/A		0.0000	0.0000	0.0000				
1,2-DICHLOROETHANE-D4	N/A	N/A		0.0000	0.0000	0.0000				
DIESEL COMPONENTS	13.0000	10.0000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
FUEL OILS	13.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
JET FUEL #4 (JP4)	13.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
JET FUEL #5 (JP5)	13.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
JET FUEL #8 (JP8)	13.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
KEROSENE	13.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
LUBRICATING OIL	13.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
MED. PETROLEUM DISTILLATE C8-C12 (ie:NAPHTHA etc.)	13.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
MOTOR OILS	13.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
TOLUENE-D8	N/A	N/A		0.0000	0.0000	0.0000				
	N/A	N/A		0.0000	0.0000	0.0000				
1,2-DICHLOROETHANE-D4	N/A	N/A		0.0000	0.0000	0.0000				
DIESEL COMPONENTS	10.0000	10.0000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
FUEL OILS	10.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
JET FUEL #4 (JP4)	10.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
JET FUEL #5 (JP5)	10.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
JET FUEL #8 (JP8)	10.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
KEROSENE	10.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
LUBRICATING OIL	10.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
MED. PETROLEUM DISTILLATE C8-C12 (ie:NAPHTHA etc.)	10.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
MOTOR OILS	10.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
TOLUENE-D8	N/A	N/A		0.0000	0.0000	0.0000				
	N/A	N/A		0.0000	0.0000					
1,2-DICHLOROETHANE-D4	N/A	N/A		0.0000	0.0000					
DIESEL COMPONENTS	10.0000	10.0000		0.0000 ND	0.0000 ND			ND		
FUEL OILS	10.0000	N/A		0.0000 ND	0.0000 ND			ND		
JET FUEL #4 (JP4)	10.0000	N/A		0.0000 ND	0.0000 ND			ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-12-9092 Lab ID:	Field ID: KAFB-219-12-100102 Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
JET FUEL #5 (JP5)	10.0000	N/A		0.0000 ND	0.0000 ND			ND		
JET FUEL #8 (JP8)	10.0000	N/A		0.0000 ND	0.0000 ND			ND		
KEROSENE	10.0000	N/A		0.0000 ND	0.0000 ND			ND		
LUBRICATING OIL	10.0000	N/A		0.0000 ND	0.0000 ND			ND		
MED. PETROLEUM DISTILLATE C8-C12 (ie:NAPHTHA etc.)	10.0000	N/A		0.0000 ND	0.0000 ND			ND		
MOTOR OILS	10.0000	N/A		0.0000 ND	0.0000 ND			ND		
TOLUENE-D8	N/A	N/A		0.0000	0.0000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-12-1012 Lab ID: 940662-13	Field ID: KAFB-219-12-2022 Lab ID: 940662-14	Field ID: KAFB-219-12-3032 Lab ID: 940662-15	Trip Blank Field ID: Lab ID: 940662-05	Equipment Blank Field ID: Lab ID: 940662-01	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	5.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
1,1,2,2-TETRACHLOROETHANE	5.0000	0.0050	35.0000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
1,1,2-TRICHLOROETHANE	5.0000	0.0050	123.0000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
1,1-DICHLOROETHANE	5.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
1,1-DICHLOROETHENE	5.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
1,2-DICHLOROETHANE	5.0000	0.0050	7.6900	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
1,2-DICHLOROPROPYLENE	5.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
2-HEXANONE	11.0000	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
ACETONE	N/A	0.1000	8000.000	11.0000	0.0000 ND	0.0000 ND	ND	ND		
BENZENE	5.0000	0.0050	24.1000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
BROMODICHLOROMETHANE	5.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
BROMOFORM	5.0000	0.0050	88.6000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
BROMOMETHANE	11.0000	0.0100	32.0000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
CARBON DISULFIDE	5.0000	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
CARBON TETRACHLORIDE	5.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
CHLOROBENZENE	5.0000	N/A	2160.000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
CHLOROETHANE	11.0000	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
CHLOROFORM	5.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
CHLOROMETHANE	11.0000	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
DIBROMOCHLOROMETHANE	5.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
ETHYLBENZENE	5.0000	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
METHYL ETHYL KETONE (2-BUTANONE)	11.0000	0.1000	48000.00	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	11.0000	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
METHYLENE CHLORIDE	5.0000	0.0050	93.3000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
STYRENE	5.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
TETRACHLOROETHYLENE(PCE)	5.0000	0.0050	800.0000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
TOLUENE	5.0000	0.0050	16000.00	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
TOTAL 1,2-DICHLOROETHENE	5.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
TRICHLOROETHYLENE (TCE)	5.0000	0.0050	63.6000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
VINYL CHLORIDE	11.0000	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
XYLENES, TOTAL	5.0000	0.0050	160000.0	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
cis-1,3-DICHLOROPROPENE	5.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
trans-1,3-DICHLOROPROPENE	5.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
1,1,1-TRICHLOROETHANE	6.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
1,1,2,2-TETRACHLOROETHANE	6.0000	0.0050	35.0000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
1,1,2-TRICHLOROETHANE	6.0000	0.0050	123.0000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
1,1-DICHLOROETHANE	6.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
1,1-DICHLOROETHENE	6.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
1,2-DICHLOROETHANE	6.0000	0.0050	7.6900	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
1,2-DICHLOROPROPYLENE	6.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
2-HEXANONE	13.0000	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-12-4044 Lab ID: 940662-16	Field ID: KAFB-219-12-5054 Lab ID: 940662-17	Field ID: KAFB-219-12-6062 Lab ID: 940662-18	Trip Blank Field ID: Lab ID: 940662-05	Equipment Blank Field ID: Lab ID: 940662-01	Ambient Blank Field ID: Lab ID:	Lab ID:
ACETONE	13.0000	0.1000	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
BENZENE	6.0000	0.0050	24.1000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
BROMODICHLOROMETHANE	6.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
BROMOFORM	6.0000	0.0050	88.6000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
BROMOMETHANE	13.0000	0.0100	32.0000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
CARBON DISULFIDE	6.0000	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
CARBON TETRACHLORIDE	6.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
CHLOROBENZENE	6.0000	N/A	2160.000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
CHLOROETHANE	13.0000	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
CHLOROFORM	6.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
CHLOROMETHANE	13.0000	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
DIBROMOCHLOROMETHANE	6.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
ETHYLBENZENE	6.0000	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
METHYL ETHYL KETONE (2-BUTANONE)	13.0000	0.1000	48000.00	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	13.0000	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
METHYLENE CHLORIDE	6.0000	0.0050	93.3000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
STYRENE	6.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
TETRACHLOROETHYLENE(PCE)	N/A	0.0050	800.0000	3.0000 J	0.0000 ND	0.0000 ND	ND	ND		
TOLUENE	6.0000	0.0050	16000.00	0.0000 ND	0.0000 ND	1.0000 BJ	ND	ND		
TOTAL 1,2-DICHLOROETHENE	N/A	N/A		8.0000	0.0000 ND	0.0000 ND	ND	ND		
TRICHLOROETHYLENE (TCE)	N/A	0.0050	63.6000	15.0000	0.0000 ND	0.0000 ND	ND	ND		
VINYL CHLORIDE	13.0000	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
XYLENES, TOTAL	6.0000	0.0050	160000.0	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
cis-1,3-DICHLOROPROPENE	6.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
trans-1,3-DICHLOROPROPENE	6.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
1,1,1-TRICHLOROETHANE	5.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
1,1,2,2-TETRACHLOROETHANE	5.0000	0.0050	35.0000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
1,1,2-TRICHLOROETHANE	5.0000	0.0050	123.0000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
1,1-DICHLOROETHANE	5.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
1,1-DICHLOROETHENE	5.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
1,2-DICHLOROETHANE	5.0000	0.0050	7.6900	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
1,2-DICHLOROPROPYLENE	5.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
2-HEXANONE	10.0000	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
ACETONE	10.0000	0.1000	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
BENZENE	5.0000	0.0050	24.1000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
BROMODICHLOROMETHANE	5.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
BROMOFORM	5.0000	0.0050	88.6000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
BROMOMETHANE	10.0000	0.0100	32.0000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
CARBON DISULFIDE	5.0000	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
CARBON TETRACHLORIDE	5.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
CHLOROBENZENE	5.0000	N/A	2160.000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-12-7072 Lab ID: 940662-19	Field ID: KAFB-219-12-8082 Lab ID: 940662-20	Field ID: KAFB-219-12-9092 Lab ID: 940662-21	Trip Blank Field ID: Lab ID: 940662-05	Equipment Blank Field ID: Lab ID: 940662-01	Ambient Blank Field ID: Lab ID:	Lab ID:
CHLOROETHANE	10.0000	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
CHLOROFORM	5.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
CHLOROMETHANE	10.0000	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
DIBROMOCHLOROMETHANE	5.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
ETHYLBENZENE	5.0000	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
METHYL ETHYL KETONE (2-BUTANONE)	10.0000	0.1000	48000.00	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	10.0000	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
METHYLENE CHLORIDE	5.0000	0.0050	93.3000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
STYRENE	5.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
TETRACHLOROETHYLENE(PCE)	5.0000	0.0050	800.0000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
TOLUENE	N/A	0.0050	16000.00	1.0000 BJ	0.0000 ND	0.0000 ND	ND	ND		
TOTAL 1,2-DICHLOROETHENE	5.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
TRICHLOROETHYLENE (TCE)	5.0000	0.0050	63.6000	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
VINYL CHLORIDE	10.0000	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
XYLENES, TOTAL	5.0000	0.0050	160000.0	0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
cis-1,3-DICHLOROPROPENE	5.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
trans-1,3-DICHLOROPROPENE	5.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	ND	ND		
1,1,1-TRICHLOROETHANE	6.0000	0.0050		0.0000 ND	0.0000 ND		ND	ND		
1,1,2,2-TETRACHLOROETHANE	6.0000	0.0050	35.0000	0.0000 ND	0.0000 ND		ND	ND		
1,1,2-TRICHLOROETHANE	6.0000	0.0050	123.0000	0.0000 ND	0.0000 ND		ND	ND		
1,1-DICHLOROETHANE	6.0000	0.0050		0.0000 ND	0.0000 ND		ND	ND		
1,1-DICHLOROETHENE	6.0000	0.0050		0.0000 ND	0.0000 ND		ND	ND		
1,2-DICHLOROETHANE	6.0000	0.0050	7.6900	0.0000 ND	0.0000 ND		ND	ND		
1,2-DICHLOROPROPYLENE	6.0000	N/A		0.0000 ND	0.0000 ND		ND	ND		
2-HEXANONE	13.0000	0.0500		0.0000 ND	0.0000 ND		ND	ND		
ACETONE	13.0000	0.1000	8000.000	0.0000 ND	0.0000 ND		ND	ND		
BENZENE	6.0000	0.0050	24.1000	0.0000 ND	0.0000 ND		ND	ND		
BROMODICHLOROMETHANE	6.0000	0.0050		0.0000 ND	0.0000 ND		ND	ND		
BROMOFORM	6.0000	0.0050	88.6000	0.0000 ND	0.0000 ND		ND	ND		
BROMOMETHANE	13.0000	0.0100	32.0000	0.0000 ND	0.0000 ND		ND	ND		
CARBON DISULFIDE	6.0000	0.0050	8000.000	0.0000 ND	0.0000 ND		ND	ND		
CARBON TETRACHLORIDE	6.0000	0.0050		0.0000 ND	0.0000 ND		ND	ND		
CHLOROBENZENE	6.0000	N/A	2160.000	0.0000 ND	0.0000 ND		ND	ND		
CHLOROETHANE	13.0000	0.0100		0.0000 ND	0.0000 ND		ND	ND		
CHLOROFORM	6.0000	0.0050		0.0000 ND	0.0000 ND		ND	ND		
CHLOROMETHANE	13.0000	0.0100		0.0000 ND	0.0000 ND		ND	ND		
DIBROMOCHLOROMETHANE	6.0000	0.0050		0.0000 ND	0.0000 ND		ND	ND		
ETHYLBENZENE	6.0000	0.0050	8000.000	0.0000 ND	0.0000 ND		ND	ND		
METHYL ETHYL KETONE (2-BUTANONE)	13.0000	0.1000	48000.00	0.0000 ND	0.0000 ND		ND	ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	13.0000	0.0500		0.0000 ND	0.0000 ND		ND	ND		
METHYLENE CHLORIDE	6.0000	0.0050	93.3000	0.0000 ND	0.0000 ND		ND	ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-12-100102 Lab ID: 940662-22	Field ID: KAFB-219-99-4044 Lab ID: 940662-16	Field ID: Lab ID:	Trip Blank Field ID: Lab ID: 940662-05	Equipment Blank Field ID: Lab ID: 940662-01	Ambient Blank Field ID: Lab ID:	Lab ID:
STYRENE	6.0000	0.0050		0.0000 ND	0.0000 ND		ND	ND		
TETRACHLOROETHYLENE(PCE)	6.0000	0.0050	800.0000	0.0000 ND	3.0000 JX		ND	ND		
TOLUENE	6.0000	0.0050	16000.00	0.0000 ND	0.0000 ND		ND	ND		
TOTAL 1,2-DICHLOROETHENE	6.0000	N/A		0.0000 ND	6.0000 J		ND	ND		
TRICHLOROETHYLENE (TCE)	6.0000	0.0050	63.6000	0.0000 ND	18.0000		ND	ND		
VINYL CHLORIDE	13.0000	0.0100		0.0000 ND	0.0000 ND		ND	ND		
XYLENES, TOTAL	6.0000	0.0050	160000.0	0.0000 ND	0.0000 ND		ND	ND		
cis-1,3-DICHLOROPROPENE	6.0000	0.0050		0.0000 ND	0.0000 ND		ND	ND		
trans-1,3-DICHLOROPROPENE	6.0000	0.0050		0.0000 ND	0.0000 ND		ND	ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units:

Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-12-1012 Lab ID:	Field ID: KAFB-219-12-2022 Lab ID:	Field ID: KAFB-219-12-3032 Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
1,2,4-TRICHLOROBENZENE	360.0000	0.7000	800.0000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
1,2-DICHLOROBENZENE	360.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
1,3-DICHLOROBENZENE	360.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
1,4-DICHLOROBENZENE	360.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2,4,5-TRICHLOROPHENOL	870.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2,4,6-TRICHLOROPHENOL	360.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2,4-DICHLOROPHENOL	360.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2,4-DIMETHYLPHENOL	360.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2,4-DINITROPHENOL	870.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2,4-DINITROTOLUENE	360.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2,6-DINITROTOLUENE	360.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2-CHLORONAPHTHALENE	360.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2-CHLOROPHENOL	360.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2-METHYLNAPHTHALENE	360.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
2-METHYLPHENOL (o-CRESOL)	360.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2-NITROANILINE	870.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2-NITROPHENOL	360.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
3,3'-DICHLOROBENZIDINE	360.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
3-NITROANILINE	870.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
4,6-DINITRO-2-METHYLPHENOL	870.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
4-BROMOPHENYL PHENYL ETHER	360.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
4-CHLORO-3-METHYLPHENOL	360.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
4-CHLOROANILINE	360.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
4-CHLOROPHENYL PHENYL ETHER	360.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
4-METHYLPHENOL (p-CRESOL)	360.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
4-NITROANILINE	870.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
4-NITROPHENOL	870.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
ACENAPHTHENE	360.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
ACENAPHTHYLENE	360.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
ANTHRACENE	360.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
BENZO(a)ANTHRACENE	360.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
BENZO(a)PYRENE	360.0000	0.7000	959.0000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
BENZO(b)FLUORANTHENE	360.0000	0.7000	95.9000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
BENZO(g,h,i)PERYLENE	360.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
BENZO(k)FLUORANTHENE	360.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
BENZYL BUTYL PHTHALATE	360.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
CARBAZOLE	360.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
CHRYSENE	360.0000	0.7000	9.5900	0.0000 ND	0.0000 ND	0.0000 ND		ND		
DI-n-BUTYL PHTHALATE	360.0000	0.7000	8000.000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
DI-n-OCTYLPHTHALATE	360.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
DIBENZ(a,h)ANTHRACENE	360.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units:

Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-12-1012 Lab ID:	Field ID: KAFB-219-12-2022 Lab ID:	Field ID: KAFB-219-12-3032 Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
DIBENZOFURAN	360.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
DIETHYL PHTHALATE	360.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
DIMETHYL PHTHALATE	360.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
FLUORANTHENE	360.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
FLUORENE	360.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
HEXACHLOROBENZENE	360.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
HEXACHLOROBUTADIENE	360.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
HEXACHLOROCYCLOPENTADIENE	360.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
HEXACHLOROETHANE	360.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
INDENO(1,2,3-c,d)PYRENE	360.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
ISOPHORONE	360.0000	0.7000	7370.000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
N-NITROSODI-n-PROPYLAMINE	360.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
N-NITROSODIPHENYLAMINE	360.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
NAPHTHALENE	360.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
NITROBENZENE	360.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
PENTACHLOROPHENOL	870.0000	3.3000	5.8300	0.0000 ND	0.0000 ND	0.0000 ND		ND		
PHENANTHRENE	360.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
PHENOL	360.0000	0.3000	48000.00	0.0000 ND	0.0000 ND	0.0000 ND		ND		
PYRENE	360.0000	0.7000	2400.000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
bis(2-CHLOROETHOXY) METHANE	360.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	360.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
bis(2-CHLOROISOPROPYL) ETHER	360.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
bis(2-ETHYLHEXYL) PHTHALATE	N/A	0.7000	50.0000	110.0000 J	0.0000 ND	0.0000 ND		ND		
1,2,4-TRICHLOROBENZENE	420.0000	0.7000	800.0000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
1,2-DICHLOROBENZENE	420.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
1,3-DICHLOROBENZENE	420.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
1,4-DICHLOROBENZENE	420.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2,4,5-TRICHLOROPHENOL	1000.000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2,4,6-TRICHLOROPHENOL	420.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2,4-DICHLOROPHENOL	420.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2,4-DIMETHYLPHENOL	420.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2,4-DINITROPHENOL	1000.000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2,4-DINITROTOLUENE	420.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2,6-DINITROTOLUENE	420.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2-CHLORONAPHTHALENE	420.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2-CHLOROPHENOL	420.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2-METHYLNAPHTHALENE	420.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
2-METHYLPHENOL (o-CRESOL)	420.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2-NITROANILINE	1000.000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2-NITROPHENOL	420.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
3,3'-DICHLOROBENZIDINE	420.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units:

Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-12-4044 Lab ID:	Field ID: KAFB-219-12-5054 Lab ID:	Field ID: KAFB-219-12-6062 Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
3-NITROANILINE	1000.000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
4,6-DINITRO-2-METHYLPHENOL	1000.000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
4-BROMOPHENYL PHENYL ETHER	420.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
4-CHLORO-3-METHYLPHENOL	420.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
4-CHLOROANILINE	420.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
4-CHLOROPHENYL PHENYL ETHER	420.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
4-METHYLPHENOL (p-CRESOL)	420.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
4-NITROANILINE	1000.000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
4-NITROPHENOL	1000.000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
ACENAPHTHENE	420.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
ACENAPHTHYLENE	420.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
ANTHRACENE	420.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
BENZO(a)ANTHRACENE	420.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
BENZO(a)PYRENE	420.0000	0.7000	959.0000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
BENZO(b)FLUORANTHENE	420.0000	0.7000	95.9000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
BENZO(g,h,i)PERYLENE	420.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
BENZO(k)FLUORANTHENE	420.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
BENZYL BUTYL PHTHALATE	420.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
CARBAZOLE	420.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
CHRYSENE	420.0000	0.7000	9.5900	0.0000 ND	0.0000 ND	0.0000 ND		ND		
DI-n-BUTYL PHTHALATE	420.0000	0.7000	8000.000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
DI-n-OCTYLPHTHALATE	420.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
DIBENZ(a,h)ANTHRACENE	420.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
DIBENZOFURAN	420.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
DIETHYL PHTHALATE	420.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
DIMETHYL PHTHALATE	420.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
FLUORANTHENE	420.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
FLUORENE	420.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
HEXACHLOROBENZENE	420.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
HEXACHLOROBUTADIENE	420.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
HEXACHLOROCYCLOPENTADIENE	420.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
HEXACHLOROETHANE	420.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
INDENO(1,2,3-c,d)PYRENE	420.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
ISOPHORONE	420.0000	0.7000	7370.000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
N-NITROSODI-n-PROPYLAMINE	420.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
N-NITROSODIPHENYLAMINE	420.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
NAPHTHALENE	420.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
NITROBENZENE	420.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
PENTACHLOROPHENOL	1000.000	3.3000	5.8300	0.0000 ND	0.0000 ND	0.0000 ND		ND		
PHENANTHRENE	420.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
PHENOL	420.0000	0.3000	48000.00	0.0000 ND	0.0000 ND	0.0000 ND		ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg 481
Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units:

Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-12-4044 Lab ID:	Field ID: KAFB-219-12-5054 Lab ID:	Field ID: KAFB-219-12-6062 Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
PYRENE	420.0000	0.7000	2400.000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
bis(2-CHLOROETHOXY) METHANE	420.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	420.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
bis(2-CHLOROISOPROPYL) ETHER	420.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
bis(2-ETHYLHEXYL) PHTHALATE	420.0000	0.7000	50.0000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
1,2,4-TRICHLOROBENZENE	340.0000	0.7000	800.0000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
1,2-DICHLOROBENZENE	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
1,3-DICHLOROBENZENE	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
1,4-DICHLOROBENZENE	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2,4,5-TRICHLOROPHENOL	820.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2,4,6-TRICHLOROPHENOL	340.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2,4-DICHLOROPHENOL	340.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2,4-DIMETHYLPHENOL	340.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2,4-DINITROPHENOL	820.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2,4-DINITROTOLUENE	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2,6-DINITROTOLUENE	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2-CHLORONAPHTHALENE	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2-CHLOROPHENOL	340.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2-METHYLNAPHTHALENE	340.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
2-METHYLPHENOL (o-CRESOL)	340.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2-NITROANILINE	820.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
2-NITROPHENOL	340.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
3,3'-DICHLOROBENZIDINE	340.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
3-NITROANILINE	820.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
4,6-DINITRO-2-METHYLPHENOL	820.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
4-BROMOPHENYL PHENYL ETHER	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
4-CHLORO-3-METHYLPHENOL	340.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
4-CHLOROANILINE	340.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
4-CHLOROPHENYL PHENYL ETHER	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
4-METHYLPHENOL (p-CRESOL)	340.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
4-NITROANILINE	820.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
4-NITROPHENOL	820.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
ACENAPHTHENE	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
ACENAPHTHYLENE	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
ANTHRACENE	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
BENZO(a)ANTHRACENE	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
BENZO(a)PYRENE	340.0000	0.7000	959.0000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
BENZO(b)FLUORANTHENE	340.0000	0.7000	95.9000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
BENZO(g,h,i)PERYLENE	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
BENZO(k)FLUORANTHENE	340.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
BENZYL BUTYL PHTHALATE	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units:

Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-12-7072 Lab ID:	Field ID: KAFB-219-12-8082 Lab ID:	Field ID: KAFB-219-12-9092 Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
CARBAZOLE	340.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		ND		
CHRYSENE	340.0000	0.7000	9.5900	0.0000 ND	0.0000 ND	0.0000 ND		ND		
DI-n-BUTYL PHTHALATE	340.0000	0.7000	8000.000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
DI-n-OCTYLPHTHALATE	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
DIBENZ(a,h)ANTHRACENE	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
DIBENZOFURAN	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
DIETHYL PHTHALATE	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
DIMETHYL PHTHALATE	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
FLUORANTHENE	340.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
FLUORENE	340.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
HEXACHLOROBENZENE	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
HEXACHLOROBUTADIENE	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
HEXACHLOROCYCLOPENTADIENE	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
HEXACHLOROETHANE	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
INDENO(1,2,3-c,d)PYRENE	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
ISOPHORONE	340.0000	0.7000	7370.000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
N-NITROSODI-n-PROPYLAMINE	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
N-NITROSODIPHENYLAMINE	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
NAPHTHALENE	340.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
NITROBENZENE	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
PENTACHLOROPHENOL	820.0000	3.3000	5.8300	0.0000 ND	0.0000 ND	0.0000 ND		ND		
PHENANTHRENE	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
PHENOL	340.0000	0.3000	48000.00	0.0000 ND	0.0000 ND	0.0000 ND		ND		
PYRENE	340.0000	0.7000	2400.000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
bis(2-CHLOROETHOXY) METHANE	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
bis(2-CHLOROISOPROPYL) ETHER	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		ND		
bis(2-ETHYLHEXYL) PHTHALATE	340.0000	0.7000	50.0000	0.0000 ND	0.0000 ND	0.0000 ND		ND		
1,2,4-TRICHLOROBENZENE	380.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			ND		
1,2-DICHLOROBENZENE	380.0000	0.7000		0.0000 ND	0.0000 ND			ND		
1,3-DICHLOROBENZENE	380.0000	0.7000		0.0000 ND	0.0000 ND			ND		
1,4-DICHLOROBENZENE	380.0000	0.7000		0.0000 ND	0.0000 ND			ND		
2,4,5-TRICHLOROPHENOL	910.0000	3.3000		0.0000 ND	0.0000 ND			ND		
2,4,6-TRICHLOROPHENOL	380.0000	0.3000		0.0000 ND	0.0000 ND			ND		
2,4-DICHLOROPHENOL	380.0000	0.3000		0.0000 ND	0.0000 ND			ND		
2,4-DIMETHYLPHENOL	380.0000	0.3000		0.0000 ND	0.0000 ND			ND		
2,4-DINITROPHENOL	910.0000	3.3000		0.0000 ND	0.0000 ND			ND		
2,4-DINITROTOLUENE	380.0000	0.7000		0.0000 ND	0.0000 ND			ND		
2,6-DINITROTOLUENE	380.0000	0.7000		0.0000 ND	0.0000 ND			ND		
2-CHLORONAPHTHALENE	380.0000	0.7000		0.0000 ND	0.0000 ND			ND		
2-CHLOROPHENOL	380.0000	0.3000		0.0000 ND	0.0000 ND			ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units:

Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-12-100102 Lab ID:	Field ID: KAFB-219-99-4044 Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
2-METHYLNAPHTHALENE	380.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			ND		
2-METHYLPHENOL (o-CRESOL)	380.0000	0.3000		0.0000 ND	0.0000 ND			ND		
2-NITROANILINE	910.0000	3.3000		0.0000 ND	0.0000 ND			ND		
2-NITROPHENOL	380.0000	0.3000		0.0000 ND	0.0000 ND			ND		
3,3'-DICHLOROBENZIDINE	380.0000	1.3000		0.0000 ND	0.0000 ND			ND		
3-NITROANILINE	910.0000	3.3000		0.0000 ND	0.0000 ND			ND		
4,6-DINITRO-2-METHYLPHENOL	910.0000	3.3000		0.0000 ND	0.0000 ND			ND		
4-BROMOPHENYL PHENYL ETHER	380.0000	0.7000		0.0000 ND	0.0000 ND			ND		
4-CHLORO-3-METHYLPHENOL	380.0000	1.3000		0.0000 ND	0.0000 ND			ND		
4-CHLOROANILINE	380.0000	1.3000		0.0000 ND	0.0000 ND			ND		
4-CHLOROPHENYL PHENYL ETHER	380.0000	0.7000		0.0000 ND	0.0000 ND			ND		
4-METHYLPHENOL (p-CRESOL)	380.0000	0.3000		0.0000 ND	0.0000 ND			ND		
4-NITROANILINE	910.0000	3.3000		0.0000 ND	0.0000 ND			ND		
4-NITROPHENOL	910.0000	1.6000		0.0000 ND	0.0000 ND			ND		
ACENAPHTHENE	380.0000	0.7000		0.0000 ND	0.0000 ND			ND		
ACENAPHTHYLENE	380.0000	0.7000		0.0000 ND	0.0000 ND			ND		
ANTHRACENE	380.0000	0.7000		0.0000 ND	0.0000 ND			ND		
BENZO(a)ANTHRACENE	380.0000	0.7000		0.0000 ND	0.0000 ND			ND		
BENZO(a)PYRENE	380.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			ND		
BENZO(b)FLUORANTHENE	380.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			ND		
BENZO(g,h,i)PERYLENE	380.0000	0.7000		0.0000 ND	0.0000 ND			ND		
BENZO(k)FLUORANTHENE	380.0000	N/A		0.0000 ND	0.0000 ND			ND		
BENZYL BUTYL PHTHALATE	380.0000	0.7000		0.0000 ND	0.0000 ND			ND		
CARBAZOLE	380.0000	N/A		0.0000 ND	0.0000 ND			ND		
CHRYSENE	380.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			ND		
DI-n-BUTYL PHTHALATE	380.0000	0.7000	8000.000	0.0000 ND	0.0000 ND			ND		
DI-n-OCTYLPHTHALATE	380.0000	0.7000		0.0000 ND	0.0000 ND			ND		
DIBENZ(a,h)ANTHRACENE	380.0000	0.7000		0.0000 ND	0.0000 ND			ND		
DIBENZOFURAN	380.0000	0.7000		0.0000 ND	0.0000 ND			ND		
DIETHYL PHTHALATE	380.0000	0.7000		0.0000 ND	0.0000 ND			ND		
DIMETHYL PHTHALATE	380.0000	0.7000		0.0000 ND	0.0000 ND			ND		
FLUORANTHENE	380.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			ND		
FLUORENE	380.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			ND		
HEXACHLOROBENZENE	380.0000	0.7000		0.0000 ND	0.0000 ND			ND		
HEXACHLOROBUTADIENE	380.0000	0.7000		0.0000 ND	0.0000 ND			ND		
HEXACHLOROCYCLOPENTADIENE	380.0000	0.7000		0.0000 ND	0.0000 ND			ND		
HEXACHLOROETHANE	380.0000	0.7000		0.0000 ND	0.0000 ND			ND		
INDENO(1,2,3-c,d)PYRENE	380.0000	0.7000		0.0000 ND	0.0000 ND			ND		
ISOPHORONE	380.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			ND		
N-NITROSODI-n-PROPYLAMINE	380.0000	0.7000		0.0000 ND	0.0000 ND			ND		
N-NITROSODIPHENYLAMINE	380.0000	0.7000		0.0000 ND	0.0000 ND			ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-219: Oil/Water Separator ST-219 Bldg.481
Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units:

Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-219-12-100102 Lab ID:	Field ID: KAFB-219-99-4044 Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
NAPHTHALENE	380.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			ND		
NITROBENZENE	380.0000	0.7000		0.0000 ND	0.0000 ND			ND		
PENTACHLOROPHENOL	910.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			ND		
PHENANTHRENE	380.0000	0.7000		0.0000 ND	0.0000 ND			ND		
PHENOL	380.0000	0.3000	48000.00	0.0000 ND	0.0000 ND			ND		
PYRENE	380.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			ND		
bis(2-CHLOROETHOXY) METHANE	380.0000	0.7000		0.0000 ND	0.0000 ND			ND		
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	380.0000	0.7000		0.0000 ND	0.0000 ND			ND		
bis(2-CHLOROISOPROPYL) ETHER	380.0000	0.7000		0.0000 ND	0.0000 ND			ND		
bis(2-ETHYLHEXYL) PHTHALATE	N/A	0.7000	50.0000	44.0000 J	0.0000 ND			ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-220: Floor Drain ST-220 Building 1001
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-220-01-0709 Lab ID: 0363040003SA	Field ID: KAFB-220-01-1416 Lab ID: 0363040004SA	Field ID: Lab ID: 0363040004SA	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		15.0000	9.8000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-220: Floor Drain ST-220 Building 1001
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-220-01-0709 Lab ID: 0363040003SA	Field ID: KAFB-220-01-1416 Lab ID: 0363040004SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-220-06139 Lab ID: 0363040002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		78.0000 %	84.0000 %			100.0000 %		
BENZENE	0.0290	N/A	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0290	N/A	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
GASOLINE COMPONENTS	0.5900	N/A		1.0000	0.9200			0.0000 ND		
TOLUENE	0.0290	N/A	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0290	N/A	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-220: Floor Drain ST-220 Building 1001
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-220-01-0709 Lab ID: P276377	Field ID: KAFB-220-01-1416 Lab ID: P276378	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-220-06139 Lab ID: P276376	Ambient Blank Field ID: Lab ID:	Lab ID:
ALUMINUM	2.0000	50.0000		6990.0000	7280.0000			0.0000 ND		
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		
BARIUM	0.2000	2.0000	5600.000	97.6000	96.8000			0.0000 ND		
BERYLLIUM	0.2000	0.3000	16.3000	0.5400	0.5500			0.0000 ND		
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND			0.0000 ND		
CALCIUM	2.0000	10.0000		28100.0000	35800.0000			47.0000		
CHROMIUM, TOTAL	1.0000	7.0000		7.8000	6.4000			25.0000		
COBALT	1.0000	7.0000		5.0000	4.3000			0.0000 ND		
COPPER	0.1000	6.0000		89.0000	41.2000			25.0000		
IRON	0.8000	7.0000		9580.0000	9580.0000			54.0000		
LEAD	3.0000	50.0000	400.0000	6.0000	6.9000			0.0000 ND		
MAGNESIUM	3.0000	30.0000		3680.0000	3660.0000			0.0000 ND		
MANGANESE	0.3000	2.0000	400.0000	166.0000	159.0000			0.0000 ND		
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		
NICKEL	3.0000	15.0000	1600.000	11.2000	6.8000			0.0000 ND		
POTASSIUM	20.0000	500.0000		1230.0000	1460.0000			0.0000 ND		
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		
SODIUM	3.0000	30.0000		183.0000	325.0000			170.0000		
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		
VANADIUM	0.4000	8.0000	720.0000	23.3000	22.2000			4.0000		
ZINC	0.7000	2.0000	24000.00	59.3000	34.8000			59.0000		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-220: Floor Drain ST-220 Building 1001
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-220-01-0709 Lab ID: P276377	Field ID: KAFB-220-01-1416 Lab ID: P276378	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-220-06139 Lab ID: P276376	Ambient Blank Field ID: Lab ID:	Lab ID:
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-220: Floor Drain ST-220 Building 1001
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-220-01-0709 Lab ID: P276377	Field ID: KAFB-220-01-1416 Lab ID: P276378	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-220-06139 Lab ID: P276376	Ambient Blank Field ID: Lab ID:	Lab ID:
DIESEL COMPONENTS	70.0000	10.0000		1100.0000	700.0000			0.0000 ND		
PENTACOSANE	N/A	N/A		4700.0000	4800.0000			117.0000		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-220: Floor Drain ST-220 Building 1001
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-220-01-0709 Lab ID: 0363040003SA	Field ID: KAFB-220-01-1416 Lab ID: 0363040004SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-061394 Lab ID: 0363040001TB	Equipment Blank Field ID: KAFB-EB-220-06139 Lab ID: 0363040002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0059	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0059	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0059	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0059	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0059	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0059	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		111.0000 %	114.0000 %		99.0000 %	98.0000 %		
1,2-DICHLOROPROPANE	0.0059	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		103.0000 %	106.0000 %		97.0000 %	98.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0120	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0120	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ACETONE	0.0120	0.1000	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	11.0000		
BENZENE	0.0059	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0059	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0059	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0120	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0059	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0059	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0059	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0120	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0059	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0120	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0059	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0059	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0120	0.1000	48000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0120	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0059	0.0050	93.3000	0.0029 TR	0.0022 TR		0.0000 ND	0.0000 ND		
STYRENE	0.0059	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0059	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0059	0.0050	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		106.0000 %	109.0000 %		99.0000 %	99.0000 %		
TRICHLOROETHYLENE (TCE)	0.0059	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0120	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0120	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0059	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0059	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0059	0.0050		0.0000 ND	0.0000 ND					
trans-1,3-DICHLOROPROPENE	0.0059	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-220: Floor Drain ST-220 Building 1001
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-220-01-0709 Lab ID: P276377	Field ID: KAFB-220-01-1416 Lab ID: P276378	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-220-06139 Lab ID: P276376	Ambient Blank Field ID: Lab ID:	Lab ID: P277268
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		105.0000	95.0000			95.0000		100.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		48.0000	50.0000			44.0000		48.0000
2-FLUOROPHENOL	N/A	N/A		70.0000	70.0000			55.0000		70.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-220: Floor Drain ST-220 Building 1001
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-220-01-0709 Lab ID: P276377	Field ID: KAFB-220-01-1416 Lab ID: P276378	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-220-06139 Lab ID: P276376	Ambient Blank Field ID: Lab ID:	Lab ID: P277268
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	230.0000	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		42.0000	44.0000			44.0000		42.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	160.0000	160.0000			0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		90.0000	90.0000			46.0000		90.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		55.0000	55.0000			50.0000		55.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-220: Floor Drain ST-220 Building 1001
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-220-01-0709 Lab ID: P276377	Field ID: Lab ID: P276377	Field ID: KAFB-220-01-1416 Lab ID: P276378	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.6000		8.3000				

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-220: Floor Drain ST-220 Building 1001
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW9310: Gross Alpha & Gross Beta
Matrix: Soil
Units: PicoCuries per gram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW9310: Gross Alpha & Gross Beta
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-220-01-0709 Lab ID: P276377	Field ID: KAFB-220-01-1416 Lab ID: P276378	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-220-06139 Lab ID: P276376	Ambient Blank Field ID: Lab ID:	Lab ID:
ALPHA, GROSS	5.0000	N/A		14.0000	20.0000			0.0000 ND		
BETA, GROSS	2.0000	N/A		20.0000	20.0000			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-220: Floor Drain ST-220 Building 1001
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-220-02-0711 Lab ID: 0363040005SA	Field ID: KAFB-220-99-0711 Lab ID: 0363040005SA	Field ID: KAFB-220-02-1416 Lab ID: 0363040006SA	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		4.9000	6.6000	6.1000				

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-220: Floor Drain ST-220 Building 1001
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-220-02-0711 Lab ID: 0363040005SA	Field ID: KAFB-220-99-0711 Lab ID: 0363040005SA	Field ID: KAFB-220-02-1416 Lab ID: 0363040006SA	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-220-06139 Lab ID: 0363040002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		93.0000 %	87.0000 %	88.0000 %		100.0000 %		
BENZENE	0.0260	N/A	24.1000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0260	N/A	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
GASOLINE COMPONENTS	0.5300	N/A		0.9600	0.8500	0.8600		0.0000 ND		
TOLUENE	0.0260	N/A	16000.00	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0260	N/A	160000.0	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-220: Floor Drain ST-220 Building 1001
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-220-02-0711 Lab ID: P276379	Field ID: KAFB-220-99-0711 Lab ID: P276379	Field ID: KAFB-220-02-1416 Lab ID: P276380	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-220-06139 Lab ID: P276376	Ambient Blank Field ID: Lab ID:	Lab ID:
ALUMINUM	2.0000	50.0000		13900.0000	7570.0000	6570.0000		0.0000 ND		
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
BARIUM	0.2000	2.0000	5600.000	79.5000	41.2000	35.9000		0.0000 ND		
BERYLLIUM	0.2000	0.3000	16.3000	0.8000	0.5400	0.4300		0.0000 ND		
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
CALCIUM	2.0000	10.0000		44100.0000	14200.0000	15400.0000		47.0000		
CHROMIUM, TOTAL	1.0000	7.0000		12.4000	7.6000	6.9000		25.0000		
COBALT	1.0000	7.0000		7.0000	4.4000	4.3000		0.0000 ND		
COPPER	0.1000	6.0000		10.0000	27.3000	35.8000		25.0000		
IRON	0.8000	7.0000		15100.0000	10500.0000	9370.0000		54.0000		
LEAD	3.0000	50.0000	400.0000	7.6000	4.8000	6.3000		0.0000 ND		
MAGNESIUM	3.0000	30.0000		6360.0000	3720.0000	2700.0000		0.0000 ND		
MANGANESE	0.3000	2.0000	400.0000	296.0000	167.0000	135.0000		0.0000 ND		
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
NICKEL	3.0000	15.0000	1600.000	9.4000	8.3000	6.5000		0.0000 ND		
POTASSIUM	20.0000	500.0000		2110.0000	1290.0000	1120.0000		0.0000 ND		
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
SODIUM	3.0000	30.0000		344.0000	265.0000	260.0000		170.0000		
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
VANADIUM	0.4000	8.0000	720.0000	37.1000	23.7000	21.7000		4.0000		
ZINC	0.7000	2.0000	24000.00	35.2000	32.5000	30.4000		59.0000		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-220: Floor Drain ST-220 Building 1001
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-220-02-0711 Lab ID: P276379	Field ID: KAFB-220-99-0711 Lab ID: P276379	Field ID: KAFB-220-02-1416 Lab ID: P276380	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-220-06139 Lab ID: P276376	Ambient Blank Field ID: Lab ID:	Lab ID:
MERCURY	0.1000	0.1000		0.1300	0.0000 ND	0.0000 ND		0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-220: Floor Drain ST-220 Building 1001
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-220-02-0711 Lab ID: P276379	Field ID: KAFB-220-99-0711 Lab ID: P276379	Field ID: KAFB-220-02-1416 Lab ID: P276380	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-220-06139 Lab ID: P276376	Ambient Blank Field ID: Lab ID:	Lab ID:
DIESEL COMPONENTS	70.0000	10.0000		840.0000	680.0000	1200.0000		0.0000 ND		
PENTACOSANE	N/A	N/A		4770.0000	4580.0000	2890.0000		117.0000		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-220: Floor Drain ST-220 Building 1001
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-220-02-0711 Lab ID: 0363040005SA	Field ID: KAFB-220-99-0711 Lab ID: 0363040005SA	Field ID: KAFB-220-02-1416 Lab ID: 0363040006SA	Trip Blank Field ID: KAFB-TB-01-061394 Lab ID: 0363040001TB	Equipment Blank Field ID: KAFB-EB-220-06139 Lab ID: 0363040002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0053	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0053	0.0050	35.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0053	0.0050	123.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0053	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0053	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0053	0.0050	7.6900	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		112.0000 %	117.0000 %	115.0000 %	99.0000 %	98.0000 %		
1,2-DICHLOROPROPANE	0.0053	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		104.0000 %	108.0000 %	110.0000 %	97.0000 %	98.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
2-HEXANONE	0.0110	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ACETONE	0.0110	0.1000	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	11.0000		
BENZENE	0.0053	0.0050	24.1000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0053	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMOFORM	0.0053	0.0050	88.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0110	0.0100	32.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0053	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0053	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0053	N/A	2160.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROFORM	0.0053	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0053	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0053	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0053	0.0050	93.3000	0.0015 TR	0.0000 ND	0.0018 TR	0.0000 ND	0.0000 ND		
STYRENE	0.0053	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0053	0.0050	800.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TOLUENE	0.0053	0.0050	16000.00	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		106.0000 %	110.0000 %	112.0000 %	99.0000 %	99.0000 %		
TRICHLOROETHYLENE (TCE)	0.0053	0.0050	63.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0110	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0110	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0053	0.0050	160000.0	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0053	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0053	0.0050		0.0000 ND	0.0000 ND	0.0000 ND				
trans-1,3-DICHLOROPROPENE	0.0053	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-220: Floor Drain ST-220 Building 1001
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-220-02-0711 Lab ID: P276379	Field ID: KAFB-220-99-0711 Lab ID: P276379	Field ID: KAFB-220-02-1416 Lab ID: P276380	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-220-06139 Lab ID: P276376	Ambient Blank Field ID: Lab ID:	Lab ID: P277268
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		105.0000	110.0000	100.0000		95.0000		100.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		48.0000	50.0000	48.0000		44.0000		48.0000
2-FLUOROPHENOL	N/A	N/A		70.0000	70.0000	65.0000		55.0000		70.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-220: Floor Drain ST-220 Building 1001
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-220-02-0711 Lab ID: P276379	Field ID: KAFB-220-99-0711 Lab ID: P276379	Field ID: KAFB-220-02-1416 Lab ID: P276380	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-220-06139 Lab ID: P276376	Ambient Blank Field ID: Lab ID:	Lab ID: P277268
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	270.0000	260.0000	320.0000		0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		42.0000	42.0000	42.0000		44.0000		42.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		90.0000	85.0000	85.0000		46.0000		90.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		55.0000	60.0000	55.0000		50.0000		55.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-220: Floor Drain ST-220 Building 1001
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-220-02-0711 Lab ID: P276379	Field ID: KAFB-220-99-0711 Lab ID: P276379	Field ID: KAFB-220-02-1416 Lab ID: P276380	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.5000	8.9000	8.6000				

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-220: Floor Drain ST-220 Building 1001
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW9310: Gross Alpha & Gross Beta
Matrix: Soil
Units: PicoCuries per gram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW9310: Gross Alpha & Gross Beta
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-220-02-0711 Lab ID: P276379	Field ID: KAFB-220-99-0711 Lab ID: P276379	Field ID: KAFB-220-02-1416 Lab ID: P276380	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-220-06139 Lab ID: P276376	Ambient Blank Field ID: Lab ID:	Lab ID:
ALPHA, GROSS	9.0000	N/A		20.0000	13.0000	12.0000		0.0000 ND		
BETA, GROSS	5.0000	N/A		22.0000	21.0000	20.0000		0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-220: Floor Drain ST-220 Building 1001
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-220-03-0709 Lab ID: 0363040008SA	Field ID: KAFB-220-03-1416 Lab ID: 0363040009SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		13.0000	12.0000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-220: Floor Drain ST-220 Building 1001
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-220-03-0709 Lab ID: 0363040008SA	Field ID: KAFB-220-03-1416 Lab ID: 0363040009SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-220-06139 Lab ID: 0363040002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		85.0000 %	85.0000 %			100.0000 %		
BENZENE	0.0290	N/A	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0290	N/A	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
GASOLINE COMPONENTS	0.5700	N/A		0.8100	0.7500			0.0000 ND		
TOLUENE	0.0290	N/A	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0290	N/A	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-220: Floor Drain ST-220 Building 1001
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-220-03-0709 Lab ID: P276382	Field ID: KAFB-220-03-1416 Lab ID: P276383	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-220-06139 Lab ID: P276376	Ambient Blank Field ID: Lab ID:	Lab ID:
ALUMINUM	2.0000	50.0000		10100.0000	9700.0000			0.0000 ND		
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		
BARIUM	0.2000	2.0000	5600.000	50.0000	46.3000			0.0000 ND		
BERYLLIUM	0.2000	0.3000	16.3000	0.6700	0.6600			0.0000 ND		
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND			0.0000 ND		
CALCIUM	2.0000	10.0000		22200.0000	34300.0000			47.0000		
CHROMIUM, TOTAL	1.0000	7.0000		9.9000	9.2000			25.0000		
COBALT	1.0000	7.0000		6.4000	5.6000			0.0000 ND		
COPPER	0.1000	6.0000		65.3000	40.8000			25.0000		
IRON	0.8000	7.0000		11800.0000	11500.0000			54.0000		
LEAD	3.0000	50.0000	400.0000	6.3000	4.0000			0.0000 ND		
MAGNESIUM	3.0000	30.0000		4570.0000	4160.0000			0.0000 ND		
MANGANESE	0.3000	2.0000	400.0000	207.0000	177.0000			0.0000 ND		
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		
NICKEL	3.0000	15.0000	1600.000	7.6000	5.1000			0.0000 ND		
POTASSIUM	20.0000	500.0000		1590.0000	1740.0000			0.0000 ND		
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		
SODIUM	3.0000	30.0000		164.0000	312.0000			170.0000		
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		
VANADIUM	0.4000	8.0000	720.0000	35.9000	27.5000			4.0000		
ZINC	0.7000	2.0000	24000.00	49.0000	41.2000			59.0000		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-220: Floor Drain ST-220 Building 1001
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-220-03-0709 Lab ID: P276382	Field ID: KAFB-220-03-1416 Lab ID: P276383	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-220-06139 Lab ID: P276376	Ambient Blank Field ID: Lab ID:	Lab ID:
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-220: Floor Drain ST-220 Building 1001
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-220-03-0709 Lab ID: P276382	Field ID: KAFB-220-03-1416 Lab ID: P276383	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-220-06139 Lab ID: P276376	Ambient Blank Field ID: Lab ID:	Lab ID:
DIESEL COMPONENTS	70.0000	10.0000		670.0000	660.0000			0.0000 ND		
PENTACOSANE	N/A	N/A		5310.0000	4850.0000			117.0000		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-220: Floor Drain ST-220 Building 1001
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-220-03-0709 Lab ID: 0363040008SA	Field ID: KAFB-220-03-1416 Lab ID: 0363040009SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-061394 Lab ID: 0363040001TB	Equipment Blank Field ID: KAFB-EB-220-06139 Lab ID: 0363040002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0057	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0057	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0057	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0057	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0057	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0057	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		106.0000 %	104.0000 %		99.0000 %	98.0000 %		
1,2-DICHLOROPROPANE	0.0057	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		105.0000 %	103.0000 %		97.0000 %	98.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ACETONE	0.0110	0.1000	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	11.0000		
BENZENE	0.0057	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0057	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0057	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0110	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0057	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0057	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0057	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0057	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0057	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0057	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0057	0.0050	93.3000	0.0040 TR	0.0040 TR		0.0000 ND	0.0000 ND		
STYRENE	0.0057	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0057	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0057	0.0050	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		106.0000 %	107.0000 %		99.0000 %	99.0000 %		
TRICHLOROETHYLENE (TCE)	0.0057	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0057	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0057	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0057	0.0050		0.0000 ND	0.0000 ND					
trans-1,3-DICHLOROPROPENE	0.0057	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-220: Floor Drain ST-220 Building 1001
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-220-03-0709 Lab ID: P276382	Field ID: KAFB-220-03-1416 Lab ID: P276383	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-220-06139 Lab ID: P276376	Ambient Blank Field ID: Lab ID:	Lab ID: P277268
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		105.0000	110.0000			95.0000		100.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		48.0000	50.0000			44.0000		48.0000
2-FLUOROPHENOL	N/A	N/A		70.0000	70.0000			55.0000		70.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-220: Floor Drain ST-220 Building 1001
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-220-03-0709 Lab ID: P276382	Field ID: KAFB-220-03-1416 Lab ID: P276383	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-220-06139 Lab ID: P276376	Ambient Blank Field ID: Lab ID:	Lab ID: P277268
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	240.0000			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		42.0000	42.0000			44.0000		42.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	290.0000	190.0000			0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		85.0000	85.0000			46.0000		90.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		55.0000	60.0000			50.0000		55.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-220: Floor Drain ST-220 Building 1001
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-220-03-0709 Lab ID: P276382	Field ID: KAFB-220-03-1416 Lab ID: P276383	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.4000	8.5000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-220: Floor Drain ST-220 Building 1001
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW9310: Gross Alpha & Gross Beta
Matrix: Soil
Units: PicoCuries per gram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW9310: Gross Alpha & Gross Beta
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-220-03-0709 Lab ID: P276382	Field ID: KAFB-220-03-1416 Lab ID: P276383	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-220-06139 Lab ID: P276376	Ambient Blank Field ID: Lab ID:	Lab ID:
ALPHA, GROSS	10.0000	N/A		9.0000	20.0000			0.0000 ND		
BETA, GROSS	5.0000	N/A		20.0000	23.0000			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-220: Floor Drain ST-220 Building 1001
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-220-04-0709 Lab ID: 0363040010SA	Field ID: KAFB-220-04-1416 Lab ID: 0363040011SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		12.0000	8.0000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-220: Floor Drain ST-220 Building 1001
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-220-04-0709 Lab ID: 0363040010SA	Field ID: KAFB-220-04-1416 Lab ID: 0363040011MS	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-220-06139 Lab ID: 0363040002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		83.0000 %	85.0000 %			100.0000 %		
BENZENE	0.0290	N/A	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0290	N/A	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
GASOLINE COMPONENTS	0.5700	N/A		0.8300	0.7700			0.0000 ND		
TOLUENE	0.0290	N/A	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0290	N/A	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-220: Floor Drain ST-220 Building 1001
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-220-04-0709 Lab ID: P276384	Field ID: KAFB-220-04-1416 Lab ID: P276385	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-220-06139 Lab ID: P276376	Ambient Blank Field ID: Lab ID:	Lab ID:
ALUMINUM	2.0000	50.0000		8470.0000	5980.0000			0.0000 ND		
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		
BARIUM	0.2000	2.0000	5600.000	118.0000	40.6000			0.0000 ND		
BERYLLIUM	0.2000	0.3000	16.3000	0.5600	0.4300			0.0000 ND		
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND			0.0000 ND		
CALCIUM	2.0000	10.0000		22700.0000	32100.0000			47.0000		
CHROMIUM, TOTAL	1.0000	7.0000		8.5000	6.4000			25.0000		
COBALT	1.0000	7.0000		6.7000	4.8000			0.0000 ND		
COPPER	0.1000	6.0000		41.5000	41.1000			25.0000		
IRON	0.8000	7.0000		11500.0000	8210.0000			54.0000		
LEAD	3.0000	50.0000	400.0000	7.5000	4.3000			0.0000 ND		
MAGNESIUM	3.0000	30.0000		4330.0000	3030.0000			0.0000 ND		
MANGANESE	0.3000	2.0000	400.0000	238.0000	135.0000			0.0000 ND		
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		
NICKEL	3.0000	15.0000	1600.000	9.1000	4.9000			0.0000 ND		
POTASSIUM	20.0000	500.0000		1410.0000	1160.0000			0.0000 ND		
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		
SODIUM	3.0000	30.0000		217.0000	302.0000			170.0000		
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		
VANADIUM	0.4000	8.0000	720.0000	28.7000	18.3000			4.0000		
ZINC	0.7000	2.0000	24000.00	40.3000	33.0000			59.0000		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-220: Floor Drain ST-220 Building 1001
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-220-04-0709 Lab ID: P276384	Field ID: KAFB-220-04-1416 Lab ID: P276385	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-220-06139 Lab ID: P276376	Ambient Blank Field ID: Lab ID:	Lab ID:
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-220: Floor Drain ST-220 Building 1001
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-220-04-0709 Lab ID: P276384	Field ID: KAFB-220-04-1416 Lab ID: P276385	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-220-06139 Lab ID: P276376	Ambient Blank Field ID: Lab ID:	Lab ID:
DIESEL COMPONENTS	70.0000	10.0000		970.0000	780.0000			0.0000 ND		
PENTACOSANE	N/A	N/A		4110.0000	4600.0000			117.0000		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-220: Floor Drain ST-220 Building 1001
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-220-04-0709 Lab ID: 0363040010SA	Field ID: KAFB-220-04-1416 Lab ID: 0363040011MS	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-061394 Lab ID: 0363040001TB	Equipment Blank Field ID: KAFB-EB-220-06139 Lab ID: 0363040002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0057	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0057	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0057	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0057	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0057	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0057	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		104.0000 %	104.0000 %		99.0000 %	98.0000 %		
1,2-DICHLOROPROPANE	0.0057	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		100.0000 %	102.0000 %		97.0000 %	98.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ACETONE	0.0110	0.1000	8000.000	0.0000 ND	0.0063 TR		0.0000 ND	11.0000		
BENZENE	0.0057	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0057	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0057	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0110	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0057	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0057	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0057	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0057	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0057	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0057	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0057	0.0050	93.3000	0.0041 TR	0.0047 TR		0.0000 ND	0.0000 ND		
STYRENE	0.0057	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0057	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0057	0.0050	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		106.0000 %	104.0000 %		99.0000 %	99.0000 %		
TRICHLOROETHYLENE (TCE)	0.0057	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0057	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0057	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0057	0.0050		0.0000 ND	0.0000 ND					
trans-1,3-DICHLOROPROPENE	0.0057	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-220: Floor Drain ST-220 Building 1001
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-220-04-0709 Lab ID: P276384	Field ID: KAFB-220-04-1416 Lab ID: P276385	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-220-06139 Lab ID: P276376	Ambient Blank Field ID: Lab ID:	Lab ID: P277268
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		110.0000	100.0000			95.0000		100.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		49.0000	50.0000			44.0000		48.0000
2-FLUOROPHENOL	N/A	N/A		65.0000	65.0000			55.0000		70.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-220: Floor Drain ST-220 Building 1001
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-220-04-0709 Lab ID: P276384	Field ID: KAFB-220-04-1416 Lab ID: P276385	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-220-06139 Lab ID: P276376	Ambient Blank Field ID: Lab ID:	Lab ID: P277268
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	280.0000			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		42.0000	42.0000			44.0000		42.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	190.0000	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		85.0000	80.0000			46.0000		90.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		55.0000	60.0000			50.0000		55.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-220: Floor Drain ST-220 Building 1001
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-220-04-0709 Lab ID: P276384	Field ID: KAFB-220-04-1416 Lab ID: P276385	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.2000	8.4000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-220: Floor Drain ST-220 Building 1001
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW9310: Gross Alpha & Gross Beta
Matrix: Soil
Units: PicoCuries per gram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW9310: Gross Alpha & Gross Beta
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-220-04-0709 Lab ID: P276384	Field ID: KAFB-220-04-1416 Lab ID: P276385	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-220-06139 Lab ID: P276376	Ambient Blank Field ID: Lab ID:	Lab ID:
ALPHA, GROSS	14.0000	N/A		16.0000	4.7000			0.0000 ND		
BETA, GROSS	8.0000	N/A		20.0000	13.0000			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-221: Oil/Water Separator ST221 Bldg 1001
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-221-01-0810 Lab ID: 0362050003SA	Field ID: KAFB-221-01-1315 Lab ID: 0362050004SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		11.0000	8.9000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-221: Oil/Water Separator ST221 Bldg 1001
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-221-01-0810 Lab ID: 0362050003SA	Field ID: KAFB-221-01-1315 Lab ID: 0362050004SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-221-06149 Lab ID: 0362050002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		93.0000 %	91.0000 %			96.0000 %		
BENZENE	0.0280	N/A	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0280	N/A	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
GASOLINE COMPONENTS	0.5600	N/A		0.0000 ND	0.0000 ND			0.0000 ND		
TOLUENE	0.0280	N/A	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0280	N/A	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.5700		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-221: Oil/Water Separator ST221 Bldg 1001
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-221-01-0810 Lab ID: P276484	Field ID: KAFB-221-01-1315 Lab ID: P276485	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-221-06149 Lab ID: P276483	Ambient Blank Field ID: Lab ID:	Lab ID:
ALUMINUM	2.0000	50.0000		7610.0000	5940.0000			34.0000		
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		
BARIUM	0.2000	2.0000	5600.000	84.4000	97.2000			0.0000 ND		
BERYLLIUM	0.2000	0.3000	16.3000	0.5500	0.3300			0.0000 ND		
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND			0.0000 ND		
CALCIUM	2.0000	10.0000		26100.0000	123000.0000			75.0000		
CHROMIUM, TOTAL	1.0000	7.0000		7.4000	6.8000			35.0000		
COBALT	1.0000	7.0000		5.6000	4.1000			0.0000 ND		
COPPER	0.1000	6.0000		58.7000	53.6000			15.0000		
IRON	0.8000	7.0000		10700.0000	8220.0000			92.0000		
LEAD	3.0000	50.0000	400.0000	7.4000	4.2000			0.0000 ND		
MAGNESIUM	3.0000	30.0000		3960.0000	3800.0000			113.0000		
MANGANESE	0.3000	2.0000	400.0000	213.0000	134.0000			0.0000 ND		
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		
NICKEL	3.0000	15.0000	1600.000	6.3000	5.1000			0.0000 ND		
POTASSIUM	20.0000	500.0000		1310.0000	1140.0000			0.0000 ND		
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		
SODIUM	3.0000	30.0000		130.0000	247.0000			167.0000		
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		
VANADIUM	0.4000	8.0000	720.0000	34.2000	20.8000			0.0000 ND		
ZINC	0.7000	2.0000	24000.00	45.7000	37.6000			12.0000		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-221: Oil/Water Separator ST221 Bldg 1001
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-221-01-0810 Lab ID: P276484	Field ID: KAFB-221-01-1315 Lab ID: P276485	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-221-06149 Lab ID: P276483	Ambient Blank Field ID: Lab ID:	Lab ID:
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-221: Oil/Water Separator ST221 Bldg 1001
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-221-01-0810 Lab ID: P276484	Field ID: KAFB-221-01-1315 Lab ID: P276485	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-221-06149 Lab ID: P276483	Ambient Blank Field ID: Lab ID:	Lab ID:
DIESEL COMPONENTS	70.0000	10.0000		770.0000	480.0000			0.0000 ND		
PENTACOSANE	N/A	N/A		4180.0000	4350.0000			112.0000		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-221: Oil/Water Separator ST221 Bldg 1001
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-221-01-0810 Lab ID: 0362050003SA	Field ID: KAFB-221-01-1315 Lab ID: 0362050004SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-061494 Lab ID: 0362050001TB	Equipment Blank Field ID: KAFB-EB-221-06149 Lab ID: 0362050002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0034	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0056	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0056	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0045	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0056	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0045	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		99.0000 %	97.0000 %		94.0000 %	95.0000 %		
1,2-DICHLOROPROPANE	0.0034	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		96.0000 %	97.0000 %		91.0000 %	91.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ACETONE	0.0110	0.1000	8000.000	0.0000 ND	0.0090 TR		0.0000 ND	0.0000 ND		
BENZENE	0.0022	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0022	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0056	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0045	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0056	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0034	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0022	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0022	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0067	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0045	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0022	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0034	0.0050	93.3000	0.0053	0.0049		5.9000 =	6.2000		
STYRENE	0.0056	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0022	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0034	0.0050	16000.00	0.0160	0.0087		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		97.0000 %	99.0000 %		95.0000 %	95.0000 %		
TRICHLOROETHYLENE (TCE)	0.0034	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0078	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0045	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0056	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.5700		
cis-1,3-DICHLOROPROPENE	0.0056	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0056	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0034	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

Base: KIRTLAND AFB
Site: ST-221: Oil/Water Separator ST221 Bldg 1001
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

ANALYTCAL DATA SUMMARY

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-221-01-0810 Lab ID: P276484	Field ID: KAFB-221-01-1315 Lab ID: P276485	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-221-06149 Lab ID: P276483	Ambient Blank Field ID: Lab ID:	Lab ID: P277268
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		99.0000	94.0000			102.0000		100.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		49.0000	48.0000			47.0000		48.0000
2-FLUOROPHENOL	N/A	N/A		64.0000	61.0000			57.0000		70.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-221: Oil/Water Separator ST221 Bldg 1001
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-221-01-0810 Lab ID: P276484	Field ID: KAFB-221-01-1315 Lab ID: P276485	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-221-06149 Lab ID: P276483	Ambient Blank Field ID: Lab ID:	Lab ID: P277268
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	480.0000	280.0000			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		41.0000	41.0000			46.0000		42.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	310.0000	350.0000			0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		82.0000	79.0000			46.0000		90.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		56.0000	55.0000			54.0000		55.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-221: Oil/Water Separator ST221 Bldg 1001
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-221-01-0810 Lab ID: P276484	Field ID: KAFB-221-01-1315 Lab ID: P276485	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.5000	8.9000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-221: Oil/Water Separator ST221 Bldg 1001
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW9310: Gross Alpha & Gross Beta
Matrix: Soil
Units: PicoCuries per gram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW9310: Gross Alpha & Gross Beta
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-221-01-0810 Lab ID: P276484	Field ID: KAFB-221-01-1315 Lab ID: P276485	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-221-06149 Lab ID: P276483	Ambient Blank Field ID: Lab ID:	Lab ID:
ALPHA, GROSS	16.0000	N/A		17.0000	14.0000			0.0000 ND		
BETA, GROSS	8.0000	N/A		20.0000	12.0000			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-221: Oil/Water Separator ST221 Bldg 1001
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-221-02-0810 Lab ID: 0362050005SA	Field ID: KAFB-221-02-1315 Lab ID: 0362050006SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		18.0000	10.0000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-221: Oil/Water Separator ST221 Bldg 1001
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-221-02-0810 Lab ID: 0362050005SA	Field ID: KAFB-221-02-1315 Lab ID: 0362050006SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-221-06149 Lab ID: 0362050002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		100.0000 %	97.0000 %			96.0000 %		
BENZENE	0.0310	N/A	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0310	N/A	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
GASOLINE COMPONENTS	0.6100	N/A		0.0000 ND	0.0000 ND			0.0000 ND		
TOLUENE	0.0310	N/A	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0310	N/A	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.5700		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-221: Oil/Water Separator ST221 Bldg 1001
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-221-02-0810 Lab ID: P276486	Field ID: KAFB-221-02-1315 Lab ID: P276487	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-221-06149 Lab ID: P276483	Ambient Blank Field ID: Lab ID:	Lab ID:
ALUMINUM	2.0000	50.0000		7480.0000	10400.0000			34.0000		
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		
BARIUM	0.2000	2.0000	5600.000	145.0000	135.0000			0.0000 ND		
BERYLLIUM	0.2000	0.3000	16.3000	0.5500	0.5700			0.0000 ND		
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND			0.0000 ND		
CALCIUM	2.0000	10.0000		16300.0000	70200.0000			75.0000		
CHROMIUM, TOTAL	1.0000	7.0000		7.0000	9.5000			35.0000		
COBALT	1.0000	7.0000		5.7000	5.2000			0.0000 ND		
COPPER	0.1000	6.0000		56.6000	88.2000			15.0000		
IRON	0.8000	7.0000		10700.0000	12300.0000			92.0000		
LEAD	3.0000	50.0000	400.0000	6.1000	7.7000			0.0000 ND		
MAGNESIUM	3.0000	30.0000		4090.0000	4560.0000			113.0000		
MANGANESE	0.3000	2.0000	400.0000	233.0000	153.0000			0.0000 ND		
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		
NICKEL	3.0000	15.0000	1600.000	6.4000	7.8000			0.0000 ND		
POTASSIUM	20.0000	500.0000		1320.0000	1820.0000			0.0000 ND		
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		
SODIUM	3.0000	30.0000		110.0000	190.0000			167.0000		
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		
VANADIUM	0.4000	8.0000	720.0000	32.5000	26.4000			0.0000 ND		
ZINC	0.7000	2.0000	24000.00	46.5000	57.1000			12.0000		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-221: Oil/Water Separator ST221 Bldg 1001
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-221-02-0810 Lab ID: P276486	Field ID: KAFB-221-02-1315 Lab ID: P276487	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-221-06149 Lab ID: P276483	Ambient Blank Field ID: Lab ID:	Lab ID:
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-221: Oil/Water Separator ST221 Bldg 1001
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-221-02-0810 Lab ID: P276486	Field ID: KAFB-221-02-1315 Lab ID: P276487	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-221-06149 Lab ID: P276483	Ambient Blank Field ID: Lab ID:	Lab ID:
DIESEL COMPONENTS	70.0000	10.0000		6400.0000	1700.0000			0.0000 ND		
PENTACOSANE	N/A	N/A		4680.0000	4720.0000			112.0000		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-221: Oil/Water Separator ST221 Bldg 1001
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-221-02-0810 Lab ID: 0362050005SA	Field ID: KAFB-221-02-1315 Lab ID: 0362050006SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-061494 Lab ID: 0362050001TB	Equipment Blank Field ID: KAFB-EB-221-06149 Lab ID: 0362050002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0037	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0061	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0061	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0049	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0061	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0049	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		96.0000 %	99.0000 %		94.0000 %	95.0000 %		
1,2-DICHLOROPROPANE	0.0037	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		100.0000 %	100.0000 %		91.0000 %	91.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0120	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0120	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ACETONE	0.0120	0.1000	8000.000	0.0075 TR	0.0000 ND		0.0000 ND	0.0000 ND		
BENZENE	0.0024	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0024	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0061	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0049	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0061	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0037	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0024	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0120	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0024	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0073	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0049	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0024	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0120	0.1000	48000.00	0.0026 TR	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0120	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0037	0.0050	93.3000	0.0054	0.0036		5.9000 =	6.2000		
STYRENE	0.0061	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0024	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0037	0.0050	16000.00	0.0016 TR	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		98.0000 %	97.0000 %		95.0000 %	95.0000 %		
TRICHLOROETHYLENE (TCE)	0.0037	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0085	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0049	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0061	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.5700		
cis-1,3-DICHLOROPROPENE	0.0061	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0061	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0037	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-221: Oil/Water Separator ST221 Bldg 1001
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-221-02-0810 Lab ID: P276486	Field ID: KAFB-221-02-1315 Lab ID: P276487	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-221-06149 Lab ID: P276483	Ambient Blank Field ID: Lab ID:	Lab ID: P277268
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		99.0000	99.0000			102.0000		100.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		51.0000	51.0000			47.0000		48.0000
2-FLUOROPHENOL	N/A	N/A		63.0000	65.0000			57.0000		70.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-221: Oil/Water Separator ST221 Bldg 1001
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-221-02-0810 Lab ID: P276486	Field ID: KAFB-221-02-1315 Lab ID: P276487	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-221-06149 Lab ID: P276483	Ambient Blank Field ID: Lab ID:	Lab ID: P277268
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	350.0000			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		42.0000	42.0000			46.0000		42.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	300.0000	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		80.0000	85.0000			46.0000		90.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		56.0000	61.0000			54.0000		55.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-221: Oil/Water Separator ST221 Bldg 1001
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-221-02-0610 Lab ID: P276486	Field ID: KAFB-221-02-1315 Lab ID: P276487	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.0000	8.4000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-221: Oil/Water Separator ST221 Bldg 1001
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW9310: Gross Alpha & Gross Beta
Matrix: Soil
Units: PicoCuries per gram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW9310: Gross Alpha & Gross Beta
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-221-02-0810 Lab ID: P276486	Field ID: KAFB-221-02-1315 Lab ID: P276487	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-221-06149 Lab ID: P276483	Ambient Blank Field ID: Lab ID:	Lab ID:
ALPHA, GROSS	16.0000	N/A		23.0000	11.0000			0.0000 ND		
BETA, GROSS	8.0000	N/A		19.0000	18.0000			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-221: Oil/Water Separator ST221 Bldg 1001
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-221-03-0812 Lab ID: 0362050007SA	Field ID: KAFB-221-99-0812 Lab ID: 0362050007SA	Field ID: KAFB-221-03-1317 Lab ID: 0362050009SA	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		4.7000	8.7000	11.0000				
MOISTURE, PERCENT	N/A	N/A		11.0000						

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-221: Oil/Water Separator ST221 Bldg 1001
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-221-03-0812 Lab ID: 0362050007SA	Field ID: KAFB-221-99-0812 Lab ID: 0362050007SA	Field ID: KAFB-221-03-1317 Lab ID: 0362050009MS	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-221-06149 Lab ID: 0362050002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		98.0000 %	96.0000 %	96.0000 %		96.0000 %		
BENZENE	0.0260	N/A	24.1000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0260	N/A	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
GASOLINE COMPONENTS	0.5200	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
TOLUENE	0.0260	N/A	16000.00	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0260	N/A	160000.0	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.5700		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-221: Oil/Water Separator ST221 Bldg 1001
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-221-03-0812 Lab ID: P276488	Field ID: KAFB-221-99-0812 Lab ID: P276488	Field ID: KAFB-221-03-1317 Lab ID: P276490	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-221-06149 Lab ID: P276483	Ambient Blank Field ID: Lab ID:	Lab ID:
ALUMINUM	2.0000	50.0000		8510.0000	5800.0000	8640.0000		34.0000		
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
BARIUM	0.2000	2.0000	5600.000	2480.0000	56.2000	104.0000		0.0000 ND		
BERYLLIUM	0.2000	0.3000	16.3000	0.5600	0.4300	0.5500		0.0000 ND		
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
CALCIUM	2.0000	10.0000		27100.0000	8610.0000	25600.0000		75.0000		
CHROMIUM, TOTAL	1.0000	7.0000		7.6000	6.3000	7.3000		35.0000		
COBALT	1.0000	7.0000		6.4000	4.9000	5.0000		0.0000 ND		
COPPER	0.1000	6.0000		43.7000	27.9000	36.0000		15.0000		
IRON	0.8000	7.0000		11700.0000	9000.0000	10700.0000		92.0000		
LEAD	3.0000	50.0000	400.0000	6.7000	5.8000	5.0000		0.0000 ND		
MAGNESIUM	3.0000	30.0000		4350.0000	3080.0000	3600.0000		113.0000		
MANGANESE	0.3000	2.0000	400.0000	252.0000	173.0000	136.0000		0.0000 ND		
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
NICKEL	3.0000	15.0000	1600.000	6.9000	5.4000	7.7000		0.0000 ND		
POTASSIUM	20.0000	500.0000		1500.0000	1070.0000	1530.0000		0.0000 ND		
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
SODIUM	3.0000	30.0000		98.5000	75.2000	85.5000		167.0000		
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
VANADIUM	0.4000	8.0000	720.0000	34.7000	23.4000	22.8000		0.0000 ND		
ZINC	0.7000	2.0000	24000.00	43.2000	33.1000	36.2000		12.0000		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-221: Oil/Water Separator ST221 Bldg 1001
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-221-03-0812 Lab ID: P276488	Field ID: KAFB-221-99-0812 Lab ID: P276488	Field ID: KAFB-221-03-1317 Lab ID: P276490	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-221-06149 Lab ID: P276483	Ambient Blank Field ID: Lab ID:	Lab ID:
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-221: Oil/Water Separator ST221 Bldg 1001
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-221-03-0812 Lab ID: P276488	Field ID: KAFB-221-99-0812 Lab ID: P276488	Field ID: KAFB-221-03-1317 Lab ID: P276490	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-221-06149 Lab ID: P276483	Ambient Blank Field ID: Lab ID:	Lab ID:
DIESEL COMPONENTS	70.0000	10.0000		1600.0000	1800.0000	1800.0000		0.0000 ND		
PENTACOSANE	N/A	N/A		4560.0000	4510.0000	4540.0000		112.0000		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-221: Oil/Water Separator ST221 Bldg 1001
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-221-03-0812 Lab ID: 0362050007SA	Field ID: KAFB-221-99-0812 Lab ID: 0362050007SA	Field ID: KAFB-221-03-1317 Lab ID: 0362050009MS	Trip Blank Field ID: KAFB-TB-01-061494 Lab ID: 0362050001TB	Equipment Blank Field ID: KAFB-EB-221-06149 Lab ID: 0362050002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0031	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0052	0.0050	35.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0052	0.0050	123.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0042	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0052	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0042	0.0050	7.6900	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		95.0000 %	96.0000 %	97.0000 %	94.0000 %	95.0000 %		
1,2-DICHLOROPROPANE	0.0031	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		97.0000 %	98.0000 %	97.0000 %	91.0000 %	91.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0100	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
2-HEXANONE	0.0100	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ACETONE	0.0100	0.1000	8000.000	0.0082 TR	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BENZENE	0.0021	0.0050	24.1000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0021	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMOFORM	0.0052	0.0050	88.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0042	0.0100	32.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0052	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0031	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0021	N/A	2160.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0100	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROFORM	0.0021	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0063	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0042	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0021	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0100	0.1000	48000.00	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0100	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0031	0.0050	93.3000	0.0028 TR	0.0031 TR	0.0054	5.9000 =	6.2000		
STYRENE	0.0052	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0021	0.0050	800.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TOLUENE	0.0031	0.0050	16000.00	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		98.0000 %	93.0000 %	92.0000 %	95.0000 %	95.0000 %		
TRICHLOROETHYLENE (TCE)	0.0031	0.0050	63.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0073	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0042	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0052	0.0050	160000.0	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.5700		
cis-1,3-DICHLOROPROPENE	0.0052	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0052	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0031	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-221: Oil/Water Separator ST221 Bldg 1001
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-221-03-0812 Lab ID: P276488	Field ID: KAFB-221-99-0812 Lab ID: P276488	Field ID: KAFB-221-03-1317 Lab ID: P276490	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-221-06149 Lab ID: P276483	Ambient Blank Field ID: Lab ID:	Lab ID: P277268
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		96.0000	70.0000	83.0000		102.0000		100.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		51.0000	33.0000	38.0000		47.0000		48.0000
2-FLUOROPHENOL	N/A	N/A		63.0000	55.0000	53.0000		57.0000		70.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-221: Oil/Water Separator ST221 Bldg 1001
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-221-03-0812 Lab ID: P276488	Field ID: KAFB-221-99-0812 Lab ID: P276488	Field ID: KAFB-221-03-1317 Lab ID: P276490	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-221-06149 Lab ID: P276483	Ambient Blank Field ID: Lab ID:	Lab ID: P277268
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	340.0000	360.0000	260.0000		0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		41.0000	32.0000	33.0000		46.0000		42.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	0.0000 ND	220.0000		0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		84.0000	64.0000	64.0000		46.0000		90.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		60.0000	41.0000	42.0000		54.0000		55.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-221: Oil/Water Separator ST221 Bldg 1001
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-221-03-0812 Lab ID: P276488	Field ID: KAFB-221-99-0812 Lab ID: P276488	Field ID: KAFB-221-03-1317 Lab ID: P276490	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.4000	8.3000	8.1000				
pH	N/A	N/A		8.1000						

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-221: Oil/Water Separator ST221 Bldg 1001
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW9310: Gross Alpha & Gross Beta
Matrix: Soil
Units: PicoCuries per gram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW9310: Gross Alpha & Gross Beta
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-221-03-0812 Lab ID: P276488	Field ID: KAFB-221-99-0812 Lab ID: P276488	Field ID: KAFB-221-03-1317 Lab ID: P276490	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-221-06149 Lab ID: P276483	Ambient Blank Field ID: Lab ID:	Lab ID:
ALPHA, GROSS	16.0000	N/A		21.0000	15.0000	15.0000		0.0000 ND		
BETA, GROSS	8.0000	N/A		20.0000	19.0000	20.0000		0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-221: Oil/Water Separator ST221 Bldg 1001
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-221-04-0810 Lab ID: 0362050010SA	Field ID: KAFB-221-04-1315 Lab ID: 0362050011SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		9.9000	14.0000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-221: Oil/Water Separator ST221 Bldg 1001
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-221-04-0810 Lab ID: 0362050010SA	Field ID: KAFB-221-04-1315 Lab ID: 0362050011SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-221-06149 Lab ID: 0362050002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		100.0000 %	95.0000 %			96.0000 %		
BENZENE	0.0280	N/A	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0280	N/A	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
GASOLINE COMPONENTS	0.5500	N/A		0.0000 ND	0.0000 ND			0.0000 ND		
TOLUENE	0.0280	N/A	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0280	N/A	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.5700		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-221: Oil/Water Separator ST221 Bldg 1001
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-221-04-0810 Lab ID: P276491	Field ID: KAFB-221-04-1315 Lab ID: P276492	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-221-06149 Lab ID: P276483	Ambient Blank Field ID: Lab ID:	Lab ID:
ALUMINUM	2.0000	50.0000		8120.0000	7360.0000			34.0000		
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		
BARIUM	0.2000	2.0000	5600.000	49.3000	44.7000			0.0000 ND		
BERYLLIUM	0.2000	0.3000	16.3000	0.5600	0.5500			0.0000 ND		
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND			0.0000 ND		
CALCIUM	2.0000	10.0000		33900.0000	19100.0000			75.0000		
CHROMIUM, TOTAL	1.0000	7.0000		7.1000	6.6000			35.0000		
COBALT	1.0000	7.0000		5.6000	4.2000			0.0000 ND		
COPPER	0.1000	6.0000		47.0000	51.2000			15.0000		
IRON	0.8000	7.0000		11400.0000	8820.0000			92.0000		
LEAD	3.0000	50.0000	400.0000	4.9000	5.8000			0.0000 ND		
MAGNESIUM	3.0000	30.0000		4300.0000	3120.0000			113.0000		
MANGANESE	0.3000	2.0000	400.0000	228.0000	133.0000			0.0000 ND		
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		
NICKEL	3.0000	15.0000	1600.000	7.3000	6.0000			0.0000 ND		
POTASSIUM	20.0000	500.0000		1430.0000	1320.0000			0.0000 ND		
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		
SODIUM	3.0000	30.0000		132.0000	238.0000			167.0000		
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		
VANADIUM	0.4000	8.0000	720.0000	28.8000	21.0000			0.0000 ND		
ZINC	0.7000	2.0000	24000.00	41.3000	40.6000			12.0000		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-221: Oil/Water Separator ST221 Bldg 1001
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-221-04-0810 Lab ID: P276491	Field ID: KAFB-221-04-1315 Lab ID: P276492	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-221-06149 Lab ID: P276483	Ambient Blank Field ID: Lab ID:	Lab ID:
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-221: Oil/Water Separator ST221 Bldg 1001
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-221-04-0810 Lab ID: P276491	Field ID: KAFB-221-04-1315 Lab ID: P276492	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-221-06149 Lab ID: P276483	Ambient Blank Field ID: Lab ID:	Lab ID:
DIESEL COMPONENTS	70.0000	10.0000		1400.0000	1100.0000			0.0000 ND		
PENTACOSANE	N/A	N/A		4540.0000	4190.0000			112.0000		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-221: Oil/Water Separator ST221 Bldg 1001
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-221-04-0810 Lab ID: 0362050010SA	Field ID: KAFB-221-04-1315 Lab ID: 0362050011SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-061494 Lab ID: 0362050001TB	Equipment Blank Field ID: KAFB-EB-221-06149 Lab ID: 0362050002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0055	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0055	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0044	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0055	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0044	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		97.0000 %	98.0000 %		94.0000 %	95.0000 %		
1,2-DICHLOROPROPANE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		97.0000 %	98.0000 %		91.0000 %	91.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ACETONE	0.0110	0.1000	8000.000	0.0081 TR	0.0092 TR		0.0000 ND	0.0000 ND		
BENZENE	0.0022	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0022	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0055	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0044	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0055	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0022	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0022	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0067	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0044	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0022	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0000 ND	0.0027 TR		0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0033	0.0050	93.3000	0.0038	0.0034 TR		5.9000 =	6.2000		
STYRENE	0.0055	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0022	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0033	0.0050	16000.00	0.0240	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		97.0000 %	96.0000 %		95.0000 %	95.0000 %		
TRICHLOROETHYLENE (TCE)	0.0033	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0078	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0044	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0055	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.5700		
cis-1,3-DICHLOROPROPENE	0.0055	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0055	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-221: Oil/Water Separator ST221 Bldg 1001
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-221-04-0810 Lab ID: P276491	Field ID: KAFB-221-04-1315 Lab ID: P276492	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-221-06149 Lab ID: P276483	Ambient Blank Field ID: Lab ID:	Lab ID: P277268
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		75.0000	92.0000			102.0000		100.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		37.0000	43.0000			47.0000		48.0000
2-FLUOROPHENOL	N/A	N/A		50.0000	58.0000			57.0000		70.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-221: Oil/Water Separator ST221 Bldg 1001
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-221-04-0810 Lab ID: P276491	Field ID: KAFB-221-04-1315 Lab ID: P276492	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-221-06149 Lab ID: P276483	Ambient Blank Field ID: Lab ID:	Lab ID: P277268
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	310.0000	420.0000			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		33.0000	37.0000			46.0000		42.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	320.0000	370.0000			0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		63.0000	71.0000			46.0000		90.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		42.0000	49.0000			54.0000		55.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-221: Oil/Water Separator ST221 Bldg 1001
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-221-04-0810 Lab ID: P276491	Field ID: KAFB-221-04-1315 Lab ID: P276492	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.3000	8.8000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-221: Oil/Water Separator ST221 Bldg 1001
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW9310: Gross Alpha & Gross Beta
Matrix: Soil
Units: PicoCuries per gram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW9310: Gross Alpha & Gross Beta
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-221-04-0810 Lab ID: P276491	Field ID: KAFB-221-04-1315 Lab ID: P276492	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-221-06149 Lab ID: P276483	Ambient Blank Field ID: Lab ID:	Lab ID:
ALPHA, GROSS	16.0000	N/A		11.0000	19.0000			0.0000 ND		
BETA, GROSS	8.0000	N/A		20.0000	19.0000			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-221: Oil/Water Separator ST221 Bldg 1001
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-221-05-0810 Lab ID: 0362050012SA	Field ID: KAFB-221-05-1315 Lab ID: 0362050013SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		11.0000	11.0000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-221: Oil/Water Separator ST221 Bldg 1001
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-221-05-0810 Lab ID: 0362050012SA	Field ID: KAFB-221-05-1315 Lab ID: 0362050013SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-221-06149 Lab ID: 0362050002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		98.0000 %	95.0000 %			96.0000 %		
BENZENE	0.0280	N/A	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0280	N/A	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
GASOLINE COMPONENTS	0.5600	N/A		0.0000 ND	0.0000 ND			0.0000 ND		
TOLUENE	0.0280	N/A	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0280	N/A	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.5700		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-221: Oil/Water Separator ST221 Bldg 1001
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-221-05-0810 Lab ID: P276493	Field ID: KAFB-221-05-1315 Lab ID: P276494	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-221-06149 Lab ID: P276483	Ambient Blank Field ID: Lab ID:	Lab ID:
ALUMINUM	2.0000	50.0000		8040.0000	7470.0000			34.0000		
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		
BARIUM	0.2000	2.0000	5600.000	191.0000	123.0000			0.0000 ND		
BERYLLIUM	0.2000	0.3000	16.3000	0.5500	0.4500			0.0000 ND		
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND			0.0000 ND		
CALCIUM	2.0000	10.0000		48000.0000	106000.0000			75.0000		
CHROMIUM, TOTAL	1.0000	7.0000		7.4000	6.4000			35.0000		
COBALT	1.0000	7.0000		6.0000	4.7000			0.0000 ND		
COPPER	0.1000	6.0000		82.1000	62.3000			15.0000		
IRON	0.8000	7.0000		10500.0000	8610.0000			92.0000		
LEAD	3.0000	50.0000	400.0000	5.2000	4.4000			0.0000 ND		
MAGNESIUM	3.0000	30.0000		4210.0000	3860.0000			113.0000		
MANGANESE	0.3000	2.0000	400.0000	231.0000	214.0000			0.0000 ND		
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		
NICKEL	3.0000	15.0000	1600.000	6.4000	5.3000			0.0000 ND		
POTASSIUM	20.0000	500.0000		1350.0000	1300.0000			0.0000 ND		
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		
SODIUM	3.0000	30.0000		316.0000	345.0000			167.0000		
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		
VANADIUM	0.4000	8.0000	720.0000	32.1000	19.8000			0.0000 ND		
ZINC	0.7000	2.0000	24000.00	54.2000	39.4000			12.0000		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-221: Oil/Water Separator ST221 Bldg 1001
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-221-05-0810 Lab ID: P276493	Field ID: KAFB-221-05-1315 Lab ID: P276494	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-221-06149 Lab ID: P276483	Ambient Blank Field ID: Lab ID:	Lab ID:
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-221: Oil/Water Separator ST221 Bldg 1001
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-221-05-0810 Lab ID: P276493	Field ID: KAFB-221-05-1315 Lab ID: P276494	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-221-06149 Lab ID: P276483	Ambient Blank Field ID: Lab ID:	Lab ID:
DIESEL COMPONENTS	70.0000	10.0000		5400.0000	1800.0000			0.0000 ND		
PENTACOSANE	N/A	N/A		4490.0000	4400.0000			112.0000		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-221: Oil/Water Separator ST221 Bldg 1001
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-221-05-0810 Lab ID: 0362050012SA	Field ID: KAFB-221-05-1315 Lab ID: 0362050013SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-061494 Lab ID: 0362050001TB	Equipment Blank Field ID: KAFB-EB-221-06149 Lab ID: 0362050002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0034	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0056	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0056	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0045	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0056	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0045	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		94.0000 %	92.0000 %		94.0000 %	95.0000 %		
1,2-DICHLOROPROPANE	0.0034	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		91.0000 %	91.0000 %		91.0000 %	91.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ACETONE	0.0110	0.1000	8000.000	0.0000 ND	0.0110		0.0000 ND	0.0000 ND		
BENZENE	0.0023	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0023	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0056	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0045	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0056	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0034	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0023	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0023	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0068	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0045	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0023	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0034	0.0050	93.3000	0.0036	0.0042		5.9000 =	6.2000		
STYRENE	0.0056	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0023	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0034	0.0050	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		95.0000 %	100.0000 %		95.0000 %	95.0000 %		
TRICHLOROETHYLENE (TCE)	0.0034	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0079	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0045	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0056	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.5700		
cis-1,3-DICHLOROPROPENE	0.0056	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0056	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0034	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-221: Oil/Water Separator ST221 Bldg 1001
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-221-05-0810 Lab ID: P276493	Field ID: KAFB-221-05-1315 Lab ID: P276494	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-221-06149 Lab ID: P276483	Ambient Blank Field ID: Lab ID:	Lab ID: P277268
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		95.0000	86.0000			102.0000		100.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		46.0000	40.0000			47.0000		48.0000
2-FLUOROPHENOL	N/A	N/A		59.0000	52.0000			57.0000		70.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-221: Oil/Water Separator ST221 Bldg 1001
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-221-05-0810 Lab ID: P276493	Field ID: KAFB-221-05-1315 Lab ID: P276494	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-221-06149 Lab ID: P276483	Ambient Blank Field ID: Lab ID:	Lab ID: P277268
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	320.0000	400.0000			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		38.0000	35.0000			46.0000		42.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	160.0000	240.0000			0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		72.0000	65.0000			46.0000		90.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		48.0000	49.0000			54.0000		55.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-221: Oil/Water Separator ST221 Bldg 1001
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-221-05-0810 Lab ID: P276493	Field ID: KAFB-221-05-1315 Lab ID: P276494	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.2000	8.1000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-221: Oil/Water Separator ST221 Bldg 1001
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW9310: Gross Alpha & Gross Beta
Matrix: Soil
Units: PicoCuries per gram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW9310: Gross Alpha & Gross Beta
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-221-05-0810 Lab ID: P276493	Field ID: KAFB-221-05-1315 Lab ID: P276494	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-221-06149 Lab ID: P276483	Ambient Blank Field ID: Lab ID:	Lab ID:
ALPHA, GROSS	17.0000	N/A		29.0000	12.0000			0.0000 ND		
BETA, GROSS	8.0000	N/A		26.0000	17.0000			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-221: Oil/Water Separator ST221 Bldg 1001
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-221-06-0810 Lab ID: 0362050014SA	Field ID: Lab ID: 0362050014SA	Field ID: KAFB-221-06-1315 Lab ID: 0362050015SA	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		13.0000		13.0000				

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-221: Oil/Water Separator ST221 Bldg 1001
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-221-06-0810 Lab ID: 0362050014SA	Field ID: KAFB-221-06-1315 Lab ID: 0362050015SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-221-06149 Lab ID: 0362050002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		97.0000 %	96.0000 %			96.0000 %		
BENZENE	0.0290	N/A	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0290	N/A	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
GASOLINE COMPONENTS	0.5800	N/A		0.0000 ND	0.0000 ND			0.0000 ND		
TOLUENE	0.0290	N/A	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0290	N/A	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.5700		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-221: Oil/Water Separator ST221 Bldg 1001
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-221-06-0810 Lab ID: P276495	Field ID: KAFB-221-06-1315 Lab ID: P276496	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-221-06149 Lab ID: P276483	Ambient Blank Field ID: Lab ID:	Lab ID: P278446
ALUMINUM	5.0000	50.0000		8890.0000	11300.0000			34.0000		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BARIUM	0.2000	2.0000	5600.000	137.0000	89.9000			0.0000 ND		0.0000
BERYLLIUM	0.2000	0.3000	16.3000	0.4400	0.5600			0.0000 ND		0.0000
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000
CALCIUM	2.0000	10.0000		21900.0000	38400.0000			75.0000		0.0000
CHROMIUM, TOTAL	1.0000	7.0000		5.9000	8.3000			35.0000		0.0000
COBALT	1.0000	7.0000		4.4000	5.8000			0.0000 ND		0.0000
COPPER	0.1000	6.0000		78.5000	128.0000			15.0000		0.0000
IRON	0.8000	7.0000		9150.0000	11300.0000			92.0000		0.0000
LEAD	5.0000	50.0000	400.0000	3.8000	5.5000			0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		3540.0000	4420.0000			113.0000		0.0000
MANGANESE	0.3000	2.0000	400.0000	178.0000	169.0000			0.0000 ND		0.0000
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000
NICKEL	3.0000	15.0000	1600.000	7.2000	7.5000			0.0000 ND		0.0000
POTASSIUM	20.0000	500.0000		1210.0000	1700.0000			0.0000 ND		0.0000
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000
SODIUM	3.0000	30.0000		209.0000	193.0000			167.0000		0.0000
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000
VANADIUM	0.4000	8.0000	720.0000	26.7000	25.1000			0.0000 ND		0.0000
ZINC	1.0000	2.0000	24000.00	36.5000	55.9000			12.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-221: Oil/Water Separator ST221 Bldg 1001
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-221-06-0810 Lab ID: P276495	Field ID: KAFB-221-06-1315 Lab ID: P276496	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-221-06149 Lab ID: P276483	Ambient Blank Field ID: Lab ID:	Lab ID:
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-221: Oil/Water Separator ST221 Bldg 1001
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-221-06-0810 Lab ID: P276495	Field ID: KAFB-221-06-1315 Lab ID: P276496	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-221-06149 Lab ID: P276483	Ambient Blank Field ID: Lab ID:	Lab ID:
DIESEL COMPONENTS	70.0000	10.0000		440.0000	150.0000			0.0000 ND		
PENTACOSANE	N/A	N/A		4270.0000	4280.0000			112.0000		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-221: Oil/Water Separator ST221 Bldg 1001
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-221-06-0810 Lab ID: 0362050014SA	Field ID: KAFB-221-06-1315 Lab ID: 0362050015SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-061494 Lab ID: 0362050001TB	Equipment Blank Field ID: KAFB-EB-221-06149 Lab ID: 0362050002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0035	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0058	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0058	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0046	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0058	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0046	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		93.0000 %	95.0000 %		94.0000 %	95.0000 %		
1,2-DICHLOROPROPANE	0.0035	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		91.0000 %	91.0000 %		91.0000 %	91.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0120	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0120	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ACETONE	0.0120	0.1000	8000.000	0.0000 ND	0.0051 TR		0.0000 ND	0.0000 ND		
BENZENE	0.0023	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0023	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0058	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0046	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0058	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0035	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0023	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0120	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0023	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0069	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0046	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0023	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0120	0.1000	48000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0120	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0035	0.0050	93.3000	0.0042	0.0045		5.9000 =	6.2000		
STYRENE	0.0058	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0023	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0035	0.0050	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		101.0000 %	98.0000 %		95.0000 %	95.0000 %		
TRICHLOROETHYLENE (TCE)	0.0035	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0081	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0046	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0058	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.5700		
cis-1,3-DICHLOROPROPENE	0.0058	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0058	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0035	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-221: Oil/Water Separator ST221 Bldg 1001
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-221-06-0810 Lab ID: P276495	Field ID: KAFB-221-06-1315 Lab ID: P276496	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-221-06149 Lab ID: P276483	Ambient Blank Field ID: Lab ID:	Lab ID: P277385
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		68.0000	68.0000			102.0000		70.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		35.0000	68.0000			47.0000		32.0000
2-FLUOROPHENOL	N/A	N/A		60.0000	58.0000			57.0000		56.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-221: Oil/Water Separator ST221 Bldg 1001
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-221-06-0610 Lab ID: P276495	Field ID: KAFB-221-06-1315 Lab ID: P276496	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-221-06149 Lab ID: P276483	Ambient Blank Field ID: Lab ID:	Lab ID: P277385
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	410.0000	340.0000			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		34.0000	34.0000			46.0000		32.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	250.0000	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		69.0000	68.0000			46.0000		65.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		41.0000	41.0000			54.0000		35.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-221: Oil/Water Separator ST221 Bldg 1001
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-221-06-0810 Lab ID: P276495	Field ID: KAFB-221-06-1315 Lab ID: P276496	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.5000	8.3000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-221: Oil/Water Separator ST221 Bldg 1001
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW9310: Gross Alpha & Gross Beta
Matrix: Soil
Units: PicoCuries per gram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW9310: Gross Alpha & Gross Beta
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-221-06-0810 Lab ID: P276495	Field ID: KAFB-221-06-1315 Lab ID: P276496	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-221-06149 Lab ID: P276483	Ambient Blank Field ID: Lab ID:	Lab ID:
ALPHA, GROSS	16.0000	N/A		23.0000	26.0000			0.0000 ND		
BETA, GROSS	8.0000	N/A		18.0000	22.0000			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-221: Oil/Water Separator ST221 Bldg 1001
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-221-07-0810 Lab ID: 0362050016SA	Field ID: KAFB-221-07-1315 Lab ID: 0362050017SA	Field ID: KAFB-221-07-2327 Lab ID: 0362050018SA	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		12.0000	11.0000	20.0000				
MOISTURE, PERCENT	0.1000	N/A		20.0000	9.6000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-221: Oil/Water Separator ST221 Bldg 1001
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-221-07-0810 Lab ID: 0362050016SA	Field ID: KAFB-221-07-1315 Lab ID: 0362050017SA	Field ID: KAFB-221-07-2327 Lab ID: 0362050018SA	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-221-06149 Lab ID: 0362050002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		120.0000 %	108.0000 %	89.0000 %		96.0000 %		
BENZENE	0.1400	N/A	24.1000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.1400	N/A	8000.000	0.0000 ND	12.0000	0.0000 ND	0.0000 ND	0.0000 ND		
GASOLINE COMPONENTS	2.8000	N/A		90.0000	480.0000	0.0000 ND		0.0000 ND		
TOLUENE	0.1400	N/A	16000.00	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.1400	N/A	160000.0	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.5700		
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		89.0000 %	95.0000 %			96.0000 %		
BENZENE	0.0290	N/A	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0290	N/A	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
GASOLINE COMPONENTS	0.5800	N/A		0.0000 ND	0.0000 ND			0.0000 ND		
TOLUENE	0.0290	N/A	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0290	N/A	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.5700		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-221: Oil/Water Separator ST221 Bldg 1001
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-221-07-0810 Lab ID: P276497	Field ID: KAFB-221-07-1315 Lab ID: P276498	Field ID: KAFB-221-07-2327 Lab ID: P276499	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-221-06149 Lab ID: P276483	Ambient Blank Field ID: Lab ID:	Lab ID: P278446
ALUMINUM	2.0000	50.0000		6940.0000	6870.0000	11000.0000		34.0000		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
BARIUM	0.2000	2.0000	5600.000	146.0000	154.0000	91.7000		0.0000 ND		0.0000
BERYLLIUM	0.2000	0.3000	16.3000	0.4500	0.4300	0.5500		0.0000 ND		0.0000
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.6500	0.0000 ND		0.0000 ND		0.0000
CALCIUM	2.0000	10.0000		17500.0000	31600.0000	25200.0000		75.0000		0.0000
CHROMIUM, TOTAL	1.0000	7.0000		6.7000	7.8000	8.4000		35.0000		0.0000
COBALT	1.0000	7.0000		3.8000	3.5000	7.3000		0.0000 ND		0.0000
COPPER	0.1000	6.0000		37.3000	81.2000	40.0000		15.0000		0.0000
IRON	0.8000	7.0000		9080.0000	9290.0000	16400.0000		92.0000		0.0000
LEAD	3.0000	50.0000	400.0000	6.0000	6.1000	8.7000		0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		2800.0000	3060.0000	5510.0000		113.0000		0.0000
MANGANESE	0.3000	2.0000	400.0000	203.0000	119.0000	327.0000		0.0000 ND		0.0000
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
NICKEL	3.0000	15.0000	1600.000	5.2000	5.9000	9.1000		0.0000 ND		0.0000
POTASSIUM	20.0000	500.0000		1150.0000	1340.0000	2270.0000		0.0000 ND		0.0000
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
SODIUM	3.0000	30.0000		62.8000	71.1000	94.6000		167.0000		0.0000
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
VANADIUM	0.4000	8.0000	720.0000	25.9000	22.8000	34.1000		0.0000 ND		0.0000
ZINC	0.7000	2.0000	24000.00	37.6000	41.4000	54.2000		12.0000		0.0000 ND
ALUMINUM	2.0000	50.0000		11000.0000	8240.0000			34.0000		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BARIUM	0.2000	2.0000	5600.000	91.7000	86.2000			0.0000 ND		0.0000
BERYLLIUM	0.2000	0.3000	16.3000	0.5500	0.8500			0.0000 ND		0.0000
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000
CALCIUM	2.0000	10.0000		25200.0000	16400.0000			75.0000		0.0000
CHROMIUM, TOTAL	1.0000	7.0000		8.4000	9.6000			35.0000		0.0000
COBALT	1.0000	7.0000		7.3000	4.7000			0.0000 ND		0.0000
COPPER	0.1000	6.0000		40.0000	66.2000			15.0000		0.0000
IRON	0.8000	7.0000		16400.0000	11500.0000			92.0000		0.0000
LEAD	3.0000	50.0000	400.0000	8.7000	5.6000			0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		5510.0000	3860.0000			113.0000		0.0000
MANGANESE	0.3000	2.0000	400.0000	327.0000	250.0000			0.0000 ND		0.0000
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	6.2000			0.0000 ND		0.0000
NICKEL	3.0000	15.0000	1600.000	9.1000	7.5000			0.0000 ND		0.0000
POTASSIUM	20.0000	500.0000		2270.0000	1950.0000			0.0000 ND		0.0000
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-221: Oil/Water Separator ST221 Bldg 1001
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-221-99-2327 Lab ID: P276499	Field ID: KAFB-221-07-3335 Lab ID: P276501	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-221-06149 Lab ID: P276483	Ambient Blank Field ID: Lab ID:	Lab ID: P278446
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000
SODIUM	3.0000	30.0000		94.6000	83.8000			167.0000		0.0000
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000
VANADIUM	0.4000	8.0000	720.0000	34.1000	24.2000			0.0000 ND		0.0000
ZINC	0.7000	2.0000	24000.00	54.2000	57.3000			12.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-221: Oil/Water Separator ST221 Bldg 1001
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-221-07-0810 Lab ID: P276497	Field ID: KAFB-221-07-1315 Lab ID: P276498	Field ID: KAFB-221-07-2327 Lab ID: P276499	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-221-06149 Lab ID: P276483	Ambient Blank Field ID: Lab ID:	Lab ID:
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-221: Oil/Water Separator ST221 Bldg 1001
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-221-07-0810 Lab ID: P276497	Field ID: KAFB-221-07-1315 Lab ID: P276498	Field ID: KAFB-221-07-2327 Lab ID: P276499	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-221-06149 Lab ID: P276483	Ambient Blank Field ID: Lab ID:	Lab ID:
DIESEL COMPONENTS	70.0000	10.0000		10000.0000	370000.0000	1000.0000		0.0000 ND		
PENTACOSANE	N/A	N/A		3940.0000	0.0000	4210.0000		112.0000		
DIESEL COMPONENTS	70.0000	10.0000		1000.0000	1300.0000			0.0000 ND		
PENTACOSANE	N/A	N/A		4210.0000	4340.0000			112.0000		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-221: Oil/Water Separator ST221 Bldg 1001
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-221-07-0810 Lab ID: 0362050016SA	Field ID: KAFB-221-07-1315 Lab ID: 0362050017SA	Field ID: KAFB-221-07-2327 Lab ID: 0362050018SA	Trip Blank Field ID: KAFB-TB-01-061494 Lab ID: 0362050001TB	Equipment Blank Field ID: KAFB-EB-221-06149 Lab ID: 0362050002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.3400	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.2300	0.0050	35.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.5700	0.0050	123.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.4500	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.5700	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.4500	0.0050	7.6900	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		86.0000 %	0.0000 ND	91.0000 %	94.0000 %	95.0000 %		
1,2-DICHLOROPROPANE	0.3400	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		90.0000 %	0.0000 ND	92.0000 %	91.0000 %	91.0000 %		
2-CHLOROETHYL VINYL ETHER	N/A	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
2-HEXANONE	1.1000	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ACETONE	1.1000	0.1000	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BENZENE	0.2300	0.0050	24.1000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.2300	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMOFORM	0.5700	0.0050	88.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMOMETHANE	0.4500	0.0100	32.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.5700	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.3400	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.2300	N/A	2160.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROETHANE	1.1000	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROFORM	0.2300	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.6800	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.4500	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.2300	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	1.1000	0.1000	48000.00	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	1.1000	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.3400	0.0050	93.3000	0.6300	14.0000	0.0082	5.9000 =	6.2000		
STYRENE	0.5700	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.3400	0.0050	800.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TOLUENE	0.5700	0.0050	16000.00	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		87.0000 %	0.0000 ND	97.0000 %	95.0000 %	95.0000 %		
TRICHLOROETHYLENE (TCE)	0.3400	0.0050	63.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
VINYL ACETATE	0.7900	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.4500	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.5700	0.0050	160000.0	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.5700		
cis-1,3-DICHLOROPROPENE	0.5700	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.5700	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.3400	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,1-TRICHLOROETHANE	0.0035	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0058	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0058	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-221: Oil/Water Separator ST221 Bldg 1001
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-221-99-2327 Lab ID: 0362050018SA	Field ID: KAFB-221-07-3335 Lab ID: 0362050020SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-061494 Lab ID: 0362050001TB	Equipment Blank Field ID: KAFB-EB-221-06149 Lab ID: 0362050002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1-DICHLOROETHANE	0.0046	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0058	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0046	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		91.0000 %	94.0000 %		94.0000 %	95.0000 %		
1,2-DICHLOROPROPANE	0.0035	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		92.0000 %	93.0000 %		91.0000 %	91.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0120	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0120	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ACETONE	0.0120	0.1000	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BENZENE	0.0023	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0023	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0058	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0046	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0058	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0035	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0023	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0120	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0023	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0069	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0046	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0023	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0120	0.1000	48000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0120	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0035	0.0050	93.3000	0.0082	0.0110		5.9000 =	6.2000		
STYRENE	0.0058	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0023	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0035	0.0050	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		97.0000 %	98.0000 %		95.0000 %	95.0000 %		
TRICHLOROETHYLENE (TCE)	0.0035	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0081	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0046	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0058	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.5700		
cis-1,3-DICHLOROPROPENE	0.0058	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0058	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0035	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-221: Oil/Water Separator ST221 Bldg 1001
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-221-07-0810 Lab ID: P276497	Field ID: KAFB-221-07-1315 Lab ID: P276498	Field ID: KAFB-221-07-2327 Lab ID: P276499	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-221-06149 Lab ID: P276483	Ambient Blank Field ID: Lab ID:	Lab ID: P277385
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		71.0000	75.0000	76.0000		102.0000		70.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		35.0000	35.0000	35.0000		47.0000		32.0000
2-FLUOROPHENOL	N/A	N/A		61.0000	70.0000	58.0000		57.0000		56.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	230.0000	0.0000 ND		0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-221: Oil/Water Separator ST221 Bldg 1001
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-221-07-0810 Lab ID: P276497	Field ID: KAFB-221-07-1315 Lab ID: P276498	Field ID: KAFB-221-07-2327 Lab ID: P276499	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-221-06149 Lab ID: P276483	Ambient Blank Field ID: Lab ID:	Lab ID: P277385
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	450.0000	470.0000	0.0000 ND		0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	520.0000	0.0000 ND		0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		34.0000	34.0000	34.0000		46.0000		32.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	170.0000	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		68.0000	69.0000	67.0000		46.0000		65.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		40.0000	40.0000	44.0000		54.0000		35.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		76.0000	60.0000			102.0000		70.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-221: Oil/Water Separator ST221 Bldg 1001
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-221-99-2327 Lab ID: P276499	Field ID: KAFB-221-07-3335 Lab ID: P276501	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-221-06149 Lab ID: P276483	Ambient Blank Field ID: Lab ID:	Lab ID: P277385
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		35.0000	33.0000			47.0000		32.0000
2-FLUOROPHENOL	N/A	N/A		58.0000	51.0000			57.0000		56.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-221: Oil/Water Separator ST221 Bldg 1001
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-221-99-2327 Lab ID: P276499	Field ID: KAFB-221-07-3335 Lab ID: P276501	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-221-06149 Lab ID: P276483	Ambient Blank Field ID: Lab ID:	Lab ID: P277385
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		34.0000	31.0000			46.0000		32.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		67.0000	62.0000			46.0000		65.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		44.0000	39.0000			54.0000		35.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-221: Oil/Water Separator ST221 Bldg 1001
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-221-07-0810 Lab ID: P276497	Field ID: KAFB-221-07-1315 Lab ID: P276498	Field ID: KAFB-221-07-2327 Lab ID: P276499	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		7.4000	7.6000	8.1000				
pH	N/A	N/A		8.1000	8.2000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-221: Oil/Water Separator ST221 Bldg 1001
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW9310: Gross Alpha & Gross Beta
Matrix: Soil
Units: PicoCuries per gram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW9310: Gross Alpha & Gross Beta
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-221-07-0810 Lab ID: P276497	Field ID: KAFB-221-07-1315 Lab ID: P276498	Field ID: KAFB-221-07-2327 Lab ID: P276499	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-221-06149 Lab ID: P276483	Ambient Blank Field ID: Lab ID:	Lab ID:
ALPHA, GROSS	13.0000	N/A		20.0000	19.0000	24.0000		0.0000 ND		
BETA, GROSS	7.0000	N/A		24.0000	23.0000	27.0000		0.0000 ND		
ALPHA, GROSS	18.0000	N/A		24.0000	34.0000			0.0000 ND		
BETA, GROSS	8.0000	N/A		27.0000	27.0000			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-221: Oil/Water Separator ST221 Bldg 1001
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-221-08-0810 Lab ID: 0362490003SA	Field ID: KAFB-221-08-1315 Lab ID: 0362490004SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		13.0000	10.0000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-221: Oil/Water Separator ST221 Bldg 1001
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-221-08-0810 Lab ID: 0362490003SA	Field ID: KAFB-221-08-1315 Lab ID: 0362490004SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-221-06159 Lab ID: 0362490002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		92.0000 %	105.0000 %			96.0000 %		
BENZENE	0.0290	N/A	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
ETHYLBENZENE	0.0290	N/A	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
GASOLINE COMPONENTS	0.5800	N/A		0.0000 ND	0.0000 ND			0.0000 ND		
TOLUENE	0.0290	N/A	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
XYLENES, TOTAL	0.0290	N/A	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-221: Oil/Water Separator ST221 Bldg 1001
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-221-08-0810 Lab ID: P276553	Field ID: KAFB-221-08-1315 Lab ID: P276554	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-221-06159 Lab ID: P276552	Ambient Blank Field ID: Lab ID:	Lab ID: P278446
ALUMINUM	2.0000	50.0000		8360.0000	6830.0000			0.0000 ND		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BARIUM	0.2000	2.0000	5600.000	261.0000	44.6000			2.0000		0.0000
BERYLLIUM	0.2000	0.3000	16.3000	0.5700	0.3300			0.0000 ND		0.0000
CADMIUM	0.5000	4.0000	40.0000	0.5700	0.0000 ND			0.0000 ND		0.0000
CALCIUM	2.0000	10.0000		29500.0000	18300.0000			55.0000		0.0000
CHROMIUM, TOTAL	1.0000	7.0000		7.5000	6.9000			27.0000		0.0000
COBALT	1.0000	7.0000		5.6000	3.3000			0.0000 ND		0.0000
COPPER	0.1000	6.0000		14.7000	54.1000			14.0000		0.0000
IRON	0.8000	7.0000		12200.0000	7420.0000			69.0000		0.0000
LEAD	3.0000	50.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		4120.0000	2160.0000			62.0000		0.0000
MANGANESE	0.3000	2.0000	400.0000	218.0000	132.0000			0.0000 ND		0.0000
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000
NICKEL	3.0000	15.0000	1600.000	8.0000	5.2000			0.0000 ND		0.0000
POTASSIUM	20.0000	500.0000		1690.0000	1180.0000			0.0000 ND		0.0000
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000
SODIUM	3.0000	30.0000		89.8000	59.3000			106.0000		0.0000
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000
VANADIUM	0.4000	8.0000	720.0000	30.6000	17.6000			0.0000 ND		0.0000
ZINC	0.7000	2.0000	24000.00	31.7000	38.7000			14.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-221: Oil/Water Separator ST221 Bldg 1001
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-221-08-0810 Lab ID: P276553	Field ID: KAFB-221-08-1315 Lab ID: P276554	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-221-06159 Lab ID: P276552	Ambient Blank Field ID: Lab ID:	Lab ID: P278539
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-221: Oil/Water Separator ST221 Bldg 1001
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-221-08-0810 Lab ID: P276553	Field ID: KAFB-221-08-1315 Lab ID: P276554	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-221-06159 Lab ID: P276552	Ambient Blank Field ID: Lab ID:	Lab ID: P278212
DIESEL COMPONENTS	70.0000	10.0000		420.0000	690.0000			0.0000 ND		0.0000 ND
PENTACOSANE	N/A	N/A		5080.0000	4740.0000			116.0000		4880.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-221: Oil/Water Separator ST221 Bldg 1001
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-221-08-0810 Lab ID: 0362490003MS	Field ID: KAFB-221-08-1315 Lab ID: 0362490004SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-061594 Lab ID: 0362490001TB	Equipment Blank Field ID: KAFB-EB-221-06159 Lab ID: 0362490002EB	Ambient Blank Field ID: Lab ID: 0362500003AB	Lab ID:
1,1,1-TRICHLOROETHANE	0.0035	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
1,1,2,2-TETRACHLOROETHANE	0.0058	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
1,1,2-TRICHLOROETHANE	0.0058	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
1,1-DICHLOROETHANE	0.0046	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
1,1-DICHLOROETHENE	0.0058	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
1,2-DICHLOROETHANE	0.0046	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
1,2-DICHLOROETHANE-D4	N/A	N/A		91.0000 %	90.0000 %		90.0000 %	90.0000 %	%	
1,2-DICHLOROPROPANE	0.0035	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		95.0000 %	99.0000 %		100.0000 %	101.0000 %	%	
2-CHLOROETHYL VINYL ETHER	0.0120	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
2-HEXANONE	0.0120	0.0500		2.6000	0.0000 ND		0.0000 ND	0.0000 ND	TR	
ACETONE	0.0120	0.1000	8000.000	8.7000	6.8000		6.8000 TR	4.7000 TR	ND	
BENZENE	0.0023	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
BROMODICHLOROMETHANE	0.0023	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
BROMOFORM	0.0058	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
BROMOMETHANE	0.0046	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
CARBON DISULFIDE	0.0058	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
CARBON TETRACHLORIDE	0.0035	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
CHLOROBENZENE	0.0023	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
CHLOROETHANE	0.0120	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
CHLOROFORM	0.0023	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
CHLOROMETHANE	0.0069	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
DIBROMOCHLOROMETHANE	0.0046	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
ETHYLBENZENE	0.0023	0.0050	6000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
METHYL ETHYL KETONE (2-BUTANONE)	0.0120	0.1000	48000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0120	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
METHYLENE CHLORIDE	0.0035	0.0050	93.3000	5.0000	2.5000		2.1000 TR	2.4000 TR	TR	
STYRENE	0.0058	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
TETRACHLOROETHYLENE(PCE)	0.0023	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
TOLUENE	0.0035	0.0050	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
TOLUENE-D8	N/A	0.0050		105.0000 %	104.0000 %		102.0000 %	100.0000 %	%	
TRICHLOROETHYLENE (TCE)	0.0035	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
VINYL ACETATE	0.0081	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
VINYL CHLORIDE	0.0046	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
XYLENES, TOTAL	0.0058	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
cis-1,3-DICHLOROPROPENE	0.0058	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
trans-1,2-DICHLOROETHENE	0.0058	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
trans-1,3-DICHLOROPROPENE	0.0035	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-221: Oil/Water Separator ST221 Bldg 1001
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-221-08-0810 Lab ID: P276553	Field ID: KAFB-221-08-1315 Lab ID: P276554	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-221-06159 Lab ID: P276552	Ambient Blank Field ID: Lab ID:	Lab ID: P277385
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		57.0000	59.0000			95.0000		70.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		29.0000	30.0000			54.0000		32.0000
2-FLUOROPHENOL	N/A	N/A		52.0000	52.0000			62.0000		56.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-221: Oil/Water Separator ST221 Bldg 1001
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-221-08-0810 Lab ID: P276553	Field ID: KAFB-221-08-1315 Lab ID: P276554	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-221-06159 Lab ID: P276552	Ambient Blank Field ID: Lab ID:	Lab ID: P277385
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		28.0000	28.0000			50.0000		32.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		56.0000	57.0000			51.0000		65.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		30.0000	32.0000			58.0000		35.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-221: Oil/Water Separator ST221 Bldg 1001
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-221-08-0810 Lab ID: P276553	Field ID: KAFB-221-08-1315 Lab ID: P276554	Field ID: Lab ID: P276554	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.1000	8.1000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-221: Oil/Water Separator ST221 Bldg 1001
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW9310: Gross Alpha & Gross Beta
Matrix: Soil
Units: PicoCuries per gram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW9310: Gross Alpha & Gross Beta
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-221-08-0810 Lab ID: P276553	Field ID: KAFB-221-08-1315 Lab ID: P276554	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-221-06159 Lab ID: P276552	Ambient Blank Field ID: Lab ID:	Lab ID:
ALPHA, GROSS	20.0000	N/A		11.0000	11.0000			0.0000 ND		
BETA, GROSS	8.0000	N/A		20.0000	20.0000			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-221: Oil/Water Separator ST221 Bldg 1001
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-221-09-0810 Lab ID: 0362490005SA	Field ID: KAFB-221-09-1315 Lab ID: 0362490006SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		6.9000	13.0000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-221: Oil/Water Separator ST221 Bldg 1001
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-221-09-0810 Lab ID: 0362490005SA	Field ID: KAFB-221-09-1315 Lab ID: 0362490006SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-221-06159 Lab ID: 0362490002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		100.0000 %	96.0000 %			96.0000 %		
BENZENE	0.0270	N/A	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
ETHYLBENZENE	0.0270	N/A	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
GASOLINE COMPONENTS	0.5400	N/A		0.0000 ND	0.0000 ND			0.0000 ND		
TOLUENE	0.0270	N/A	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
XYLENES, TOTAL	0.0270	N/A	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-221: Oil/Water Separator ST221 Bldg 1001
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-221-09-0810 Lab ID: P276555	Field ID: KAFB-221-09-1315 Lab ID: P276556	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-221-06159 Lab ID: P276552	Ambient Blank Field ID: Lab ID:	Lab ID: P278446
ALUMINUM	2.0000	50.0000		8160.0000	8290.0000			0.0000 ND		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BARIUM	0.2000	2.0000	5600.000	91.9000	126.0000			2.0000		0.0000
BERYLLIUM	0.2000	0.3000	16.3000	0.5700	0.4500			0.0000 ND		0.0000
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000
CALCIUM	2.0000	10.0000		40100.0000	24900.0000			55.0000		0.0000
CHROMIUM, TOTAL	1.0000	7.0000		7.4000	6.1000			27.0000		0.0000
COBALT	1.0000	7.0000		5.3000	3.9000			0.0000 ND		0.0000
COPPER	0.1000	6.0000		37.4000	84.3000			14.0000		0.0000
IRON	0.8000	7.0000		11900.0000	8410.0000			69.0000		0.0000
LEAD	3.0000	50.0000	400.0000	5.1000	0.0000 ND			0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		4760.0000	3350.0000			62.0000		0.0000
MANGANESE	0.3000	2.0000	400.0000	234.0000	136.0000			0.0000 ND		0.0000
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000
NICKEL	3.0000	15.0000	1600.000	7.1000	8.1000			0.0000 ND		0.0000
POTASSIUM	20.0000	500.0000		1500.0000	1330.0000			0.0000 ND		0.0000
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000
SODIUM	3.0000	30.0000		98.4000	80.2000			106.0000		0.0000
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000
VANADIUM	0.4000	8.0000	720.0000	31.7000	19.1000			0.0000 ND		0.0000
ZINC	0.7000	2.0000	24000.00	39.2000	42.1000			14.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-221: Oil/Water Separator ST221 Bldg 1001
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-221-09-0810 Lab ID: P276555	Field ID: KAFB-221-09-1315 Lab ID: P276556	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-221-06159 Lab ID: P276552	Ambient Blank Field ID: Lab ID:	Lab ID: P278539
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-221: Oil/Water Separator ST221 Bldg 1001
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-221-09-0810 Lab ID: P276555	Field ID: KAFB-221-09-1315 Lab ID: P276556	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-221-06159 Lab ID: P276552	Ambient Blank Field ID: Lab ID:	Lab ID: P278212
DIESEL COMPONENTS	70.0000	10.0000		1500.0000	1700.0000			0.0000 ND		0.0000 ND
PENTACOSANE	N/A	N/A		4570.0000	4650.0000			116.0000		4880.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-221: Oil/Water Separator ST221 Bldg 1001
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-221-09-0810 Lab ID: 0362490005SA	Field ID: KAFB-221-09-1315 Lab ID: 0362490006SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-061594 Lab ID: 0362490001TB	Equipment Blank Field ID: KAFB-EB-221-06159 Lab ID: 0362490002EB	Ambient Blank Field ID: Lab ID: 0362500003AB	Lab ID:
1,1,1-TRICHLOROETHANE	0.0032	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
1,1,2,2-TETRACHLOROETHANE	0.0054	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
1,1,2-TRICHLOROETHANE	0.0054	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
1,1-DICHLOROETHANE	0.0043	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
1,1-DICHLOROETHENE	0.0054	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
1,2-DICHLOROETHANE	0.0043	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
1,2-DICHLOROETHANE-D4	N/A	N/A		89.0000 %	89.0000 %		90.0000 %	90.0000 %	%	
1,2-DICHLOROPROPANE	0.0032	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		99.0000 %	102.0000 %		100.0000 %	101.0000 %	%	
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
2-HEXANONE	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	TR	
ACETONE	0.0110	0.1000	8000.000	4.9000	8.3000		6.8000 TR	4.7000 TR	ND	
BENZENE	0.0021	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
BROMODICHLOROMETHANE	0.0021	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
BROMOFORM	0.0054	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
BROMOMETHANE	0.0043	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
CARBON DISULFIDE	0.0054	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
CARBON TETRACHLORIDE	0.0032	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
CHLOROBENZENE	0.0021	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
CHLOROETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
CHLOROFORM	0.0021	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
CHLOROMETHANE	0.0064	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
DIBROMOCHLOROMETHANE	0.0043	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
ETHYLBENZENE	0.0021	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
METHYLENE CHLORIDE	0.0032	0.0050	93.3000	4.1000	4.8000		2.1000 TR	2.4000 TR	TR	
STYRENE	0.0054	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
TETRACHLOROETHYLENE(PCE)	0.0021	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
TOLUENE	0.0032	0.0050	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
TOLUENE-D8	N/A	0.0050		100.0000 %	100.0000 %		102.0000 %	100.0000 %	%	
TRICHLOROETHYLENE (TCE)	0.0032	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
VINYL ACETATE	0.0075	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
VINYL CHLORIDE	0.0043	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
XYLENES, TOTAL	0.0054	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
cis-1,3-DICHLOROPROPENE	0.0054	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
trans-1,2-DICHLOROETHENE	0.0054	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
trans-1,3-DICHLOROPROPENE	0.0032	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-221: Oil/Water Separator ST221 Bldg 1001
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-221-09-0810 Lab ID: P276555	Field ID: KAFB-221-09-1315 Lab ID: P276556	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-221-06159 Lab ID: P276552	Ambient Blank Field ID: Lab ID:	Lab ID: P277385
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		56.0000	62.0000			95.0000		70.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		31.0000	34.0000			54.0000		32.0000
2-FLUOROPHENOL	N/A	N/A		53.0000	59.0000			62.0000		56.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-221: Oil/Water Separator ST221 Bldg 1001
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-221-09-0810 Lab ID: P276555	Field ID: KAFB-221-09-1315 Lab ID: P276556	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-221-06159 Lab ID: P276552	Ambient Blank Field ID: Lab ID:	Lab ID: P277385
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		30.0000	33.0000			50.0000		32.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	180.0000			0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		59.0000	65.0000			51.0000		65.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		33.0000	38.0000			58.0000		35.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-221: Oil/Water Separator ST221 Bldg 1001
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-221-09-0810 Lab ID: P276555	Field ID: KAFB-221-09-1315 Lab ID: P276556	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.3000	8.3000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-221: Oil/Water Separator ST221 Bldg 1001
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW9310: Gross Alpha & Gross Beta
Matrix: Soil
Units: PicoCuries per gram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW9310: Gross Alpha & Gross Beta
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-221-09-0810 Lab ID: P276555	Field ID: KAFB-221-09-1315 Lab ID: P276556	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-221-06159 Lab ID: P276552	Ambient Blank Field ID: Lab ID:	Lab ID:
ALPHA, GROSS	20.0000	N/A		22.0000	8.4000			0.0000 ND		
BETA, GROSS	7.0000	N/A		20.0000	20.0000			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-222: Oil/Water Separator ST222 Bldg 1031
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-222-01-0812 Lab ID: 0356380003SA	Field ID: Lab ID: 0356380003SA	Field ID: KAFB-222-01-1315 Lab ID: 0356380004SA	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		6.7000		11.0000				
MOISTURE, PERCENT	N/A	N/A		11.0000						

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-222: Oil/Water Separator ST222 Bldg 1031
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-222-01-0812 Lab ID: 0356380003MS	Field ID: KAFB-222-01-1315 Lab ID: 0356380004SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-222-05239 Lab ID: 0356380002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		90.0000 %	88.0000 %			90.0000 %		
BENZENE	0.0270	N/A	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0270	N/A	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
GASOLINE COMPONENTS	0.5400	N/A		0.0000 ND	0.0000 ND			0.0000 ND		
TOLUENE	0.0270	N/A	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0270	N/A	160000.0	0.0000 ND	0.0140 TR		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-222: Oil/Water Separator ST222 Bldg 1031
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-222-01-0812 Lab ID: P274203	Field ID: KAFB-222-01-1315 Lab ID: P274204	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-222-05239 Lab ID: P274202	Ambient Blank Field ID: Lab ID:	Lab ID: P275155
ALUMINUM	2.0000	50.0000		5890.0000	7600.0000			120.0000		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	52.2000	82.0000			2.0000		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.4100	0.5300			0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		35500.0000	19700.0000			110.0000		2.0000
CHROMIUM, TOTAL	1.0000	7.0000		7.2000	9.1000			0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		5.0000	6.0000			0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		31.0000	49.6000			13.0000		0.0000 ND
IRON	0.8000	7.0000		10400.0000	12300.0000			136.0000		0.0000 ND
LEAD	3.0000	50.0000	400.0000	6.5000	7.0000			0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		3410.0000	4130.0000			398.0000		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	167.0000	210.0000			0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	5.6000	11.8000			0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		1130.0000	1470.0000			0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		390.0000	385.0000			146.0000		4.6000
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	22.3000	23.6000			4.0000		0.0000 ND
ZINC	0.7000	2.0000	24000.00	35.2000	44.7000			19.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-222: Oil/Water Separator ST222 Bldg 1031
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-222-01-0812 Lab ID: P274203	Field ID: KAFB-222-01-1315 Lab ID: P274204	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-222-05239 Lab ID: P274202	Ambient Blank Field ID: Lab ID:	Lab ID: P276080
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-222: Oil/Water Separator ST222 Bldg 1031
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-222-01-0812 Lab ID: P274203	Field ID: KAFB-222-01-1315 Lab ID: P274204	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-222-05239 Lab ID: P274202	Ambient Blank Field ID: Lab ID:	Lab ID: P274950
DIESEL COMPONENTS	70.0000	10.0000		860.0000	780.0000			0.0000 ND		0.0000 ND
PENTACOSANE	N/A	N/A		2060.0000	2240.0000			57.0000		1910.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-222: Oil/Water Separator ST222 Bldg 1031
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-222-01-0812 Lab ID: 0356380003MS	Field ID: KAFB-222-01-1315 Lab ID: 0356380004SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-052394 Lab ID: 0356380001TB	Equipment Blank Field ID: KAFB-EB-222-05239 Lab ID: 0356380002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0032	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0054	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0054	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0043	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0054	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0043	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		93.0000 %	88.0000 %		92.0000 %	94.0000 %		
1,2-DICHLOROPROPANE	0.0032	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		94.0000 %	91.0000 %		95.0000 %	95.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ACETONE	0.0110	0.1000	8000.000	0.0000 ND	0.0048 TR		0.0000 ND	3.6000 TR		
BENZENE	0.0021	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0021	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0054	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0043	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0054	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0032	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0021	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0021	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0064	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0043	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0021	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0032	0.0050	93.3000	0.0049	0.0034		4.1000 =	3.9000		
STYRENE	0.0054	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0021	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0032	0.0050	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		93.0000 %	94.0000 %		91.0000 %	93.0000 %		
TRICHLOROETHYLENE (TCE)	0.0032	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0075	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0043	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0054	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0054	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0054	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0032	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-222: Oil/Water Separator ST222 Bldg 1031
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-222-01-0812 Lab ID: P274203	Field ID: KAFB-222-01-1315 Lab ID: P274204	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-222-05239 Lab ID: P274202	Ambient Blank Field ID: Lab ID:	Lab ID: P274948
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		68.0000	63.0000			95.0000		80.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		39.0000	39.0000			65.0000		38.0000
2-FLUOROPHENOL	N/A	N/A		63.0000	62.0000			90.0000		70.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-222: Oil/Water Separator ST222 Bldg 1031
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-222-01-0812 Lab ID: P274203	Field ID: KAFB-222-01-1315 Lab ID: P274204	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-222-05239 Lab ID: P274202	Ambient Blank Field ID: Lab ID:	Lab ID: P274948
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		38.0000	40.0000			70.0000		38.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	170.0000	230.0000			0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		76.0000	74.0000			85.0000		80.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		35.0000	36.0000			65.0000		39.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	100.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-222: Oil/Water Separator ST222 Bldg 1031
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-222-01-0812 Lab ID: P274203	Field ID: Lab ID: P274203	Field ID: KAFB-222-01-1315 Lab ID: P274204	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.8000		8.3000				

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-222: Oil/Water Separator ST222 Bldg 1031
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-222-02-0810 Lab ID: 0356380005SA	Field ID: KAFB-222-02-1315 Lab ID: 0356380006SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		5.1000	21.0000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-222: Oil/Water Separator ST222 Bldg 1031
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-222-02-0810 Lab ID: 0356380005SA	Field ID: KAFB-222-02-1315 Lab ID: 0356380006SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-222-05239 Lab ID: 0356380002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		88.0000 %	85.0000 %			90.0000 %		
BENZENE	0.0260	N/A	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0260	N/A	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
GASOLINE COMPONENTS	0.5300	N/A		0.0000 ND	0.0000 ND			0.0000 ND		
TOLUENE	0.0260	N/A	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0260	N/A	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-222: Oil/Water Separator ST222 Bldg 1031
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: *Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-222-02-0810 Lab ID: P274205	Field ID: KAFB-222-02-1315 Lab ID: P274206	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-222-05239 Lab ID: P274202	Ambient Blank Field ID: Lab ID:	Lab ID: P275112
ALUMINUM	2.0000	50.0000		3660.0000	10100.0000			120.0000		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	53.1000	68.6000			2.0000		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.2100	0.5600			0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		6050.0000	18600.0000			110.0000		3.1000
CHROMIUM, TOTAL	1.0000	7.0000		4.7000	10.6000			0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		3.0000	6.2000			0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		48.2000	63.2000			13.0000		0.0000 ND
IRON	0.8000	7.0000		6390.0000	13700.0000			136.0000		1.8000
LEAD	3.0000	50.0000	400.0000	0.0000 ND	9.8000			0.0000 ND		3.0000
MAGNESIUM	3.0000	30.0000		1850.0000	5000.0000			398.0000		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	92.8000	341.0000			0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	0.0000 ND	9.0000			0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		768.0000	1830.0000			0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		55.4000	93.0000			146.0000		8.1000
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	14.3000	26.1000			4.0000		0.0000 ND
ZINC	0.7000	2.0000	24000.00	32.1000	48.1000			19.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-222: Oil/Water Separator ST222 Bldg 1031
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-222-02-0810 Lab ID: P274205	Field ID: KAFB-222-02-1315 Lab ID: P274206	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-222-05239 Lab ID: P274202	Ambient Blank Field ID: Lab ID:	Lab ID: P276080
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-222: Oil/Water Separator ST222 Bldg 1031
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-222-02-0810 Lab ID: P274205	Field ID: KAFB-222-02-1315 Lab ID: P274206	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-222-05239 Lab ID: P274202	Ambient Blank Field ID: Lab ID:	Lab ID: P274950
DIESEL COMPONENTS	70.0000	10.0000		930.0000	300.0000			0.0000 ND		0.0000 ND
PENTACOSANE	N/A	N/A		2160.0000	2280.0000			57.0000		1910.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-222: Oil/Water Separator ST222 Bldg 1031
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-222-02-0810 Lab ID: 0356380005SA	Field ID: KAFB-222-02-1315 Lab ID: 0356380006SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-052394 Lab ID: 0356380001TB	Equipment Blank Field ID: KAFB-EB-222-05239 Lab ID: 0356380002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0032	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0053	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0053	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0042	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0053	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0042	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		94.0000 %	92.0000 %		92.0000 %	94.0000 %		
1,2-DICHLOROPROPANE	0.0032	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		92.0000 %	96.0000 %		95.0000 %	95.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ACETONE	0.0110	0.1000	8000.000	0.0000 ND	0.0033 TR		0.0000 ND	3.6000 TR		
BENZENE	0.0021	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0021	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0053	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0042	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0053	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0032	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0021	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0021	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0063	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0042	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0021	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0032	0.0050	93.3000	0.0024 TR	0.0041		4.1000 =	3.9000		
STYRENE	0.0053	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0021	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0032	0.0050	16000.00	0.0024 TR	0.0025 TR		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		93.0000 %	94.0000 %		91.0000 %	93.0000 %		
TRICHLOROETHYLENE (TCE)	0.0032	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0074	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0042	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0053	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0053	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0053	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0032	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-222: Oil/Water Separator ST222 Bldg 1031
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-222-02-0810 Lab ID: P274205	Field ID: KAFB-222-02-1315 Lab ID: P274206	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-222-05239 Lab ID: P274202	Ambient Blank Field ID: Lab ID:	Lab ID: P274948
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		72.0000	70.0000			95.0000		80.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		40.0000	39.0000			65.0000		38.0000
2-FLUOROPHENOL	N/A	N/A		67.0000	66.0000			90.0000		70.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-222: Oil/Water Separator ST222 Bldg 1031
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-222-02-0810 Lab ID: P274205	Field ID: KAFB-222-02-1315 Lab ID: P274206	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-222-05239 Lab ID: P274202	Ambient Blank Field ID: Lab ID:	Lab ID: P274948
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		39.0000	38.0000			70.0000		38.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	160.0000	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		77.0000	76.0000			85.0000		80.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		36.0000	35.0000			65.0000		39.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	100.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-222: Oil/Water Separator ST222 Bldg 1031
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-222-02-0810 Lab ID: P274205	Field ID: KAFB-222-02-1315 Lab ID: P274206	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.5000	8.3000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-222: Oil/Water Separator ST222 Bldg 1031
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-222-03-0810 Lab ID: 0356380007SA	Field ID: KAFB-222-03-1315 Lab ID: 0356380008SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		6.7000	22.0000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-222: Oil/Water Separator ST222 Bldg 1031
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-222-03-0810 Lab ID: 0356380007SA	Field ID: KAFB-222-03-1315 Lab ID: 0356380008SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-222-05239 Lab ID: 0356380002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		86.0000 %	70.0000 %			90.0000 %		
BENZENE	0.0270	N/A	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0270	N/A	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
GASOLINE COMPONENTS	0.5400	N/A		0.0000 ND	0.0000 ND			0.0000 ND		
TOLUENE	0.0270	N/A	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0270	N/A	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-222: Oil/Water Separator ST222 Bldg 1031
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-222-03-0810 Lab ID: P274207	Field ID: KAFB-222-03-1315 Lab ID: P274208	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-222-05239 Lab ID: P274202	Ambient Blank Field ID: Lab ID:	Lab ID: P275112
ALUMINUM	2.0000	50.0000		3140.0000	6750.0000			120.0000		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	24.2000	62.4000			2.0000		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.2100	0.4600			0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		15400.0000	12100.0000			110.0000		3.1000
CHROMIUM, TOTAL	1.0000	7.0000		4.7000	9.1000			0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		2.9000	4.9000			0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		29.5000	80.7000			13.0000		0.0000 ND
IRON	0.8000	7.0000		6250.0000	10900.0000			136.0000		1.8000
LEAD	3.0000	50.0000	400.0000	5.2000	8.2000			0.0000 ND		3.0000
MAGNESIUM	3.0000	30.0000		1920.0000	3710.0000			398.0000		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	86.0000	199.0000			0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	0.0000 ND	7.1000			0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		695.0000	1250.0000			0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		50.6000	90.8000			146.0000		8.1000
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	15.9000	19.4000			4.0000		0.0000 ND
ZINC	0.7000	2.0000	24000.00	23.4000	50.3000			19.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-222: Oil/Water Separator ST222 Bldg 1031
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

				Environmental Samples			Field Blanks			Method Blank
Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Field ID: KAFB-222-03-0810 Lab ID: P274207	Field ID: KAFB-222-03-1315 Lab ID: P274208	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-222-05239 Lab ID: P274202	Ambient Blank Field ID: Lab ID:	Lab ID: P276080
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-222: Oil/Water Separator ST222 Bldg 1031
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-222-03-0810 Lab ID: P274207	Field ID: KAFB-222-03-1315 Lab ID: P274208	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-222-05239 Lab ID: P274202	Ambient Blank Field ID: Lab ID:	Lab ID: P274950
DIESEL COMPONENTS	70.0000	10.0000		780.0000	450.0000			0.0000 ND		0.0000 ND
PENTACOSANE	N/A	N/A		2290.0000	2300.0000			57.0000		1910.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-222: Oil/Water Separator ST222 Bldg 1031
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-222-03-0810 Lab ID: 0356380007SA	Field ID: KAFB-222-03-1315 Lab ID: 0356380008SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-052394 Lab ID: 0356380001TB	Equipment Blank Field ID: KAFB-EB-222-05239 Lab ID: 0356380002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0032	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0054	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0054	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0043	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0054	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0043	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		94.0000 %	89.0000 %		92.0000 %	94.0000 %		
1,2-DICHLOROPROPANE	0.0032	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		97.0000 %	92.0000 %		95.0000 %	95.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ACETONE	0.0110	0.1000	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	3.6000 TR		
BENZENE	0.0021	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0021	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0054	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0043	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0054	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0032	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0021	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0021	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0064	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0043	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0021	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0032	0.0050	93.3000	0.0032	0.0043		4.1000 =	3.9000		
STYRENE	0.0054	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0021	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0032	0.0050	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		91.0000 %	94.0000 %		91.0000 %	93.0000 %		
TRICHLOROETHYLENE (TCE)	0.0032	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0075	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0043	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0054	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0054	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0054	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0032	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-222: Oil/Water Separator ST222 Bldg 1031
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-222-03-0810 Lab ID: P274207	Field ID: KAFB-222-03-1315 Lab ID: P274208	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-222-05239 Lab ID: P274202	Ambient Blank Field ID: Lab ID:	Lab ID: P274948
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		67.0000	72.0000			95.0000		80.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		39.0000	38.0000			65.0000		38.0000
2-FLUOROPHENOL	N/A	N/A		65.0000	66.0000			90.0000		70.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-222: Oil/Water Separator ST222 Bldg 1031
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-222-03-0810 Lab ID: P274207	Field ID: KAFB-222-03-1315 Lab ID: P274208	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-222-05239 Lab ID: P274202	Ambient Blank Field ID: Lab ID:	Lab ID: P274948
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		38.0000	38.0000			70.0000		38.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	160.0000	200.0000			0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		76.0000	75.0000			85.0000		80.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		39.0000	38.0000			65.0000		39.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	100.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-222: Oil/Water Separator ST222 Bldg 1031
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-222-03-0810 Lab ID: P274207	Field ID: KAFB-222-03-1315 Lab ID: P274208	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.4000	8.2000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-223: Sewage Ejector Unit ST223 Bldg 1031
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-223-01-1113 Lab ID: 0356380009SA	Field ID: KAFB-223-01-1921 Lab ID: 0356380010SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		6.1000	11.0000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-223: Sewage Ejector Unit ST223 Bldg 1031
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-223-01-1113 Lab ID: 0356380009SA	Field ID: KAFB-223-01-1921 Lab ID: 0356380010SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-222-05239 Lab ID: 0356380002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		78.0000 %	81.0000 %			90.0000 %		
BENZENE	0.0270	N/A	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0270	N/A	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
GASOLINE COMPONENTS	0.5300	N/A		0.0000 ND	0.0000 ND			0.0000 ND		
TOLUENE	0.0270	N/A	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0270	N/A	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-223: Sewage Ejector Unit ST223 Bldg 1031
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: *Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-223-01-1113 Lab ID: P274209	Field ID: KAFB-223-01-1921 Lab ID: P274210	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-222-05239 Lab ID: P274202	Ambient Blank Field ID: Lab ID:	Lab ID: P275112
ALUMINUM	2.0000	50.0000		5250.0000	7820.0000			120.0000		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	103.0000	81.1000			2.0000		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.3200	0.5500			0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		26100.0000	21900.0000			110.0000		3.1000
CHROMIUM, TOTAL	1.0000	7.0000		5.7000	8.6000			0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		5.2000	6.4000			0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		28.3000	83.5000			13.0000		0.0000 ND
IRON	0.8000	7.0000		9040.0000	11500.0000			136.0000		1.8000
LEAD	3.0000	50.0000	400.0000	7.7000	8.0000			0.0000 ND		3.0000
MAGNESIUM	3.0000	30.0000		3360.0000	3950.0000			398.0000		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	210.0000	191.0000			0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	6.0000	7.5000			0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		1300.0000	1500.0000			0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		69.8000	116.0000			146.0000		8.1000
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	20.2000	22.4000			4.0000		0.0000 ND
ZINC	0.7000	2.0000	24000.00	33.7000	53.3000			19.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-223: Sewage Ejector Unit ST223 Bldg 1031
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-223-01-1113 Lab ID: P274209	Field ID: KAFB-223-01-1921 Lab ID: P274210	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-222-05239 Lab ID: P274202	Ambient Blank Field ID: Lab ID:	Lab ID: P276080
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-223: Sewage Ejector Unit ST223 Bldg 1031
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-223-01-1113 Lab ID: P274209	Field ID: KAFB-223-01-1921 Lab ID: P274210	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-222-05239 Lab ID: P274202	Ambient Blank Field ID: Lab ID:	Lab ID: P274950
DIESEL COMPONENTS	70.0000	10.0000		500.0000	480.0000			0.0000 ND		0.0000 ND
PENTACOSANE	N/A	N/A		2140.0000	2250.0000			57.0000		1910.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-223: Sewage Ejector Unit ST223 Bldg 1031
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-223-01-1113 Lab ID: 0356380009SA	Field ID: KAFB-223-01-1921 Lab ID: 0356380010SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-052394 Lab ID: 0356380001TB	Equipment Blank Field ID: KAFB-EB-222-05239 Lab ID: 0356380002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0032	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0053	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0053	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0043	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0053	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0043	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		91.0000 %	93.0000 %		92.0000 %	94.0000 %		
1,2-DICHLOROPROPANE	0.0032	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		97.0000 %	94.0000 %		95.0000 %	95.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ACETONE	0.0110	0.1000	8000.000	0.0038 TR	0.0000 ND		0.0000 ND	3.6000 TR		
BENZENE	0.0021	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0021	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0053	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0043	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0053	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0032	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0021	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0021	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0064	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0043	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0021	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0032	0.0050	93.3000	0.0034	0.0036		4.1000 =	3.9000		
STYRENE	0.0053	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0021	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0032	0.0050	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		93.0000 %	94.0000 %		91.0000 %	93.0000 %		
TRICHLOROETHYLENE (TCE)	0.0032	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0075	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0043	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0053	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0053	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0053	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0032	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-223: Sewage Ejector Unit ST223 Bldg 1031
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-223-01-1113 Lab ID: P274209	Field ID: KAFB-223-01-1921 Lab ID: P274210	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-222-05239 Lab ID: P274202	Ambient Blank Field ID: Lab ID:	Lab ID: P274948
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		70.0000	75.0000			95.0000		80.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		37.0000	38.0000			65.0000		38.0000
2-FLUOROPHENOL	N/A	N/A		65.0000	65.0000			90.0000		70.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-223: Sewage Ejector Unit ST223 Bldg 1031
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-223-01-1113 Lab ID: P274209	Field ID: KAFB-223-01-1921 Lab ID: P274210	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-222-05239 Lab ID: P274202	Ambient Blank Field ID: Lab ID:	Lab ID: P274948
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		36.0000	38.0000			70.0000		38.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.6300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	200.0000			0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		75.0000	75.0000			85.0000		80.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		36.0000	37.0000			65.0000		39.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	100.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-223: Sewage Ejector Unit ST223 Bldg 1031
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-223-01-1113 Lab ID: P274209	Field ID: KAFB-223-01-1921 Lab ID: P274210	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.5000	8.4000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-223: Sewage Ejector Unit ST223 Bldg 1031
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-223-02-1115 Lab ID: 0356380011SA	Field ID: KAFB-223-02-1921 Lab ID: 0356380012SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		16.0000	8.6000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-223: Sewage Ejector Unit ST223 Bldg 1031
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-223-02-1115 Lab ID: 0356380011SA	Field ID: KAFB-223-02-1921 Lab ID: 0356380012SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-222-05239 Lab ID: 0356380002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		86.0000 %	85.0000 %			90.0000 %		
BENZENE	0.0300	N/A	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0300	N/A	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
GASOLINE COMPONENTS	0.5900	N/A		0.0000 ND	0.0000 ND			0.0000 ND		
TOLUENE	0.0300	N/A	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0300	N/A	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-223: Sewage Ejector Unit ST223 Bldg 1031
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-223-02-1115 Lab ID: P274211	Field ID: KAFB-223-02-1921 Lab ID: P274212	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-222-05239 Lab ID: P274202	Ambient Blank Field ID: Lab ID:	Lab ID: P275112
ALUMINUM	2.0000	50.0000		5860.0000	6930.0000			120.0000		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	118.0000	52.8000			2.0000		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.3300	0.5500			0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		19900.0000	17900.0000			110.0000		3.1000
CHROMIUM, TOTAL	1.0000	7.0000		6.7000	7.2000			0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		5.9000	4.9000			0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		71.8000	37.1000			13.0000		0.0000 ND
IRON	0.8000	7.0000		10600.0000	10700.0000			136.0000		1.8000
LEAD	3.0000	50.0000	400.0000	5.9000	8.2000			0.0000 ND		3.0000
MAGNESIUM	3.0000	30.0000		4280.0000	3830.0000			398.0000		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	248.0000	186.0000			0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	13.8000	8.0000			0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		1400.0000	1290.0000			0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		80.5000	86.3000			146.0000		8.1000
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	21.0000	19.8000			4.0000		0.0000 ND
ZINC	0.7000	2.0000	24000.00	49.0000	33.9000			19.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-223: Sewage Ejector Unit ST223 Bldg 1031
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-223-02-1115 Lab ID: P274211	Field ID: KAFB-223-02-1921 Lab ID: P274212	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-222-05239 Lab ID: P274202	Ambient Blank Field ID: Lab ID:	Lab ID: P276080
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-223: Sewage Ejector Unit ST223 Bldg 1031
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-223-02-1115 Lab ID: P274211	Field ID: KAFB-223-02-1921 Lab ID: P274212	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-222-05239 Lab ID: P274202	Ambient Blank Field ID: Lab ID:	Lab ID: P274950
DIESEL COMPONENTS	70.0000	10.0000		1300.0000	1300.0000			0.0000 ND		0.0000 ND
PENTACOSANE	N/A	N/A		2080.0000	2180.0000			57.0000		1910.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-223: Sewage Ejector Unit ST223 Bldg 1031
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-223-02-1115 Lab ID: 0356380011SA	Field ID: KAFB-223-02-1921 Lab ID: 0356380012SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-052394 Lab ID: 0356380001TB	Equipment Blank Field ID: KAFB-EB-222-05239 Lab ID: 0356380002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0036	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0059	0.0050	35.0000	0.0000 ND	0.0048 TR		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0059	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0048	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0059	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0048	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		92.0000 %	91.0000 %		92.0000 %	94.0000 %		
1,2-DICHLOROPROPANE	0.0036	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		105.0000 %	86.0000 %		95.0000 %	95.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0120	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0120	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ACETONE	0.0120	0.1000	8000.000	0.0100 TR	0.0000 ND		0.0000 ND	3.6000 TR		
BENZENE	0.0024	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0024	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0059	0.0050	88.6000	0.0000 ND	0.0012 TR		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0048	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0059	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0036	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0024	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0120	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0024	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0071	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0048	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0024	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0120	0.1000	48000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0120	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0036	0.0050	93.3000	0.0038	0.0037		4.1000 =	3.9000		
STYRENE	0.0059	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0024	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0036	0.0050	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		84.0000 %	94.0000 %		91.0000 %	93.0000 %		
TRICHLOROETHYLENE (TCE)	0.0036	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0083	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0048	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0059	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0059	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0059	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0036	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-223: Sewage Ejector Unit ST223 Bldg 1031
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-223-02-1115 Lab ID: P274211	Field ID: KAFB-223-02-1921 Lab ID: P274212	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-222-05239 Lab ID: P274202	Ambient Blank Field ID: Lab ID:	Lab ID: P274948
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		65.0000	80.0000			95.0000		80.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		38.0000	40.0000			65.0000		38.0000
2-FLUOROPHENOL	N/A	N/A		65.0000	65.0000			90.0000		70.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-223: Sewage Ejector Unit ST223 Bldg 1031
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-223-02-1115 Lab ID: P274211	Field ID: KAFB-223-02-1921 Lab ID: P274212	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-222-05239 Lab ID: P274202	Ambient Blank Field ID: Lab ID:	Lab ID: P274948
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		37.0000	38.0000			70.0000		38.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		75.0000	75.0000			85.0000		80.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		36.0000	35.0000			65.0000		39.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	100.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-223: Sewage Ejector Unit ST223 Bldg 1031
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-223-02-1115 Lab ID: P274211	Field ID: KAFB-223-02-1921 Lab ID: P274212	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.6000	8.3000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-224: Area Drain ST-224 Building 1031
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-224-01-0911 Lab ID: 0356980003SA	Field ID: KAFB-224-01-1618 Lab ID: 0356980004SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		5.9000	12.0000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-224: Area Drain ST-224 Building 1031
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-224-01-0911 Lab ID: 0356980003SA	Field ID: KAFB-224-01-1618 Lab ID: 0356980004SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-224-05249 Lab ID: 0356980002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		86.0000 %	79.0000 %			96.0000 %		
BENZENE	0.0270	N/A	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0270	N/A	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
GASOLINE COMPONENTS	0.5300	N/A		0.0000 ND	0.0000 ND			8.5000 TR		
TOLUENE	0.0270	N/A	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0270	N/A	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-224: Area Drain ST-224 Building 1031
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-224-01-0911 Lab ID: P274288	Field ID: KAFB-224-01-1618 Lab ID: P274289	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-224-05249 Lab ID: P274287	Ambient Blank Field ID: Lab ID:	Lab ID: P275112
ALUMINUM	2.0000	50.0000		4950.0000	8590.0000			0.0000 ND		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	7.6000			0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	45.1000	55.6000			0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.3200	0.5800			0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		21400.0000	54000.0000			0.0000 ND		3.1000
CHROMIUM, TOTAL	1.0000	7.0000		5.3000	10.2000			0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		3.0000	7.4000			0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		22.6000	19.8000			4.0000		0.0000 ND
IRON	0.8000	7.0000		7410.0000	13800.0000			19.0000		1.8000
LEAD	3.0000	50.0000	400.0000	5.9000	9.0000			0.0000 ND		3.0000
MAGNESIUM	3.0000	30.0000		2840.0000	5740.0000			0.0000 ND		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	120.0000	263.0000			0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	4.3000	9.6000			0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		887.0000	1460.0000			0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		65.5000	108.0000			71.0000		8.1000
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	18.7000	28.5000			0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	24.1000	35.8000			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-224: Area Drain ST-224 Building 1031
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-224-01-0911 Lab ID: P274288	Field ID: KAFB-224-01-1618 Lab ID: P274289	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-224-05249 Lab ID: P274287	Ambient Blank Field ID: Lab ID:	Lab ID: P276082
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-224: Area Drain ST-224 Building 1031
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-224-01-0911 Lab ID: P274288	Field ID: KAFB-224-01-1618 Lab ID: P274289	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-224-05249 Lab ID: P274287	Ambient Blank Field ID: Lab ID:	Lab ID: P275225
DIESEL COMPONENTS	70.0000	10.0000		640.0000	200.0000			0.0000 ND		0.0000 ND
PENTACOSANE	N/A	N/A		3470.0000	3640.0000			66.0000		3680.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-224: Area Drain ST-224 Building 1031
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-224-01-0911 Lab ID: 0356980003SA	Field ID: KAFB-224-01-1618 Lab ID: 0356980004SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-052494 Lab ID: 0356980001TB	Equipment Blank Field ID: KAFB-EB-224-05249 Lab ID: 0356980002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0032	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0053	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0053	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0042	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0053	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0042	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		92.0000 %	95.0000 %		100.0000 %	97.0000 %		
1,2-DICHLOROPROPANE	0.0032	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		101.0000 %	96.0000 %		102.0000 %	100.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ACETONE	0.0110	0.1000	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	6.1000 TR		
BENZENE	0.0021	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0021	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0053	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0042	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0053	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0032	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0021	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0021	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0064	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0042	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0021	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0032	0.0050	93.3000	0.0067	0.0080		12.0000 =	11.0000		
STYRENE	0.0053	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0021	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0032	0.0050	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		101.0000 %	98.0000 %		99.0000 %	102.0000 %		
TRICHLOROETHYLENE (TCE)	0.0032	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0074	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0042	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0053	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0053	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0053	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0032	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-224: Area Drain ST-224 Building 1031
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-224-01-0911 Lab ID: P274288	Field ID: KAFB-224-01-1618 Lab ID: P274289	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-224-05249 Lab ID: P274287	Ambient Blank Field ID: Lab ID:	Lab ID: P275223
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		58.0000	62.0000			140.0000		64.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		30.0000	32.0000			65.0000		33.0000
2-FLUOROPHENOL	N/A	N/A		54.0000	58.0000			100.0000		54.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-224: Area Drain ST-224 Building 1031
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-224-01-0911 Lab ID: P274288	Field ID: KAFB-224-01-1618 Lab ID: P274289	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-224-05249 Lab ID: P274287	Ambient Blank Field ID: Lab ID:	Lab ID: P275223
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		29.0000	31.0000			70.0000		32.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		61.0000	65.0000			65.0000		65.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		31.0000	33.0000			65.0000		35.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	100.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-224: Area Drain ST-224 Building 1031
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-224-01-0911 Lab ID: P274288	Field ID: Lab ID: P274288	Field ID: KAFB-224-01-1618 Lab ID: P274289	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.7000		8.5000				

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-224: Area Drain ST-224 Building 1031
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-224-02-0911 Lab ID: 0356980005SA	Field ID: KAFB-224-02-1618 Lab ID: 0356980006SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		8.8000	16.0000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-224: Area Drain ST-224 Building 1031
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-224-02-0911 Lab ID: 0356980005SA	Field ID: KAFB-224-02-1618 Lab ID: 0356980006SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-224-05249 Lab ID: 0356980002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		90.0000 %	80.0000 %			96.0000 %		
BENZENE	0.0270	N/A	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0270	N/A	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
GASOLINE COMPONENTS	0.5500	N/A		0.0000 ND	0.0000 ND			8.5000 TR		
TOLUENE	0.0270	N/A	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0270	N/A	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-224: Area Drain ST-224 Building 1031
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: *Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-224-02-0911 Lab ID: P274290	Field ID: KAFB-224-02-1618 Lab ID: P274291	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-224-05249 Lab ID: P274287	Ambient Blank Field ID: Lab ID:	Lab ID: P275112
ALUMINUM	2.0000	50.0000		5790.0000	11700.0000			0.0000 ND		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	70.0000	60.5000			0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.3300	0.6900			0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		34000.0000	31700.0000			0.0000 ND		3.1000
CHROMIUM, TOTAL	1.0000	7.0000		9.9000	11.7000			0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		3.9000	7.2000			0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		33.4000	20.6000			4.0000		0.0000 ND
IRON	0.8000	7.0000		8590.0000	15600.0000			19.0000		1.8000
LEAD	3.0000	50.0000	400.0000	5.4000	9.5000			0.0000 ND		3.0000
MAGNESIUM	3.0000	30.0000		3120.0000	6040.0000			0.0000 ND		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	141.0000	335.0000			0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	6.1000	11.9000			0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		1110.0000	2160.0000			0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		91.4000	126.0000			71.0000		8.1000
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	21.0000	30.2000			0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	28.3000	40.9000			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-224: Area Drain ST-224 Building 1031
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-224-02-0911 Lab ID: P274290	Field ID: KAFB-224-02-1618 Lab ID: P274291	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-224-05249 Lab ID: P274287	Ambient Blank Field ID: Lab ID:	Lab ID: P276082
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-224: Area Drain ST-224 Building 1031
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-224-02-0911 Lab ID: P274290	Field ID: KAFB-224-02-1618 Lab ID: P274291	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-224-05249 Lab ID: P274287	Ambient Blank Field ID: Lab ID:	Lab ID: P275225
DIESEL COMPONENTS	70.0000	10.0000		510.0000	110.0000			0.0000 ND		0.0000 ND
PENTACOSANE	N/A	N/A		3500.0000	3750.0000			66.0000		3680.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-224: Area Drain ST-224 Building 1031
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-224-02-0911 Lab ID: 0356980005SA	Field ID: KAFB-224-02-1618 Lab ID: 0356980006SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-052494 Lab ID: 0356980001TB	Equipment Blank Field ID: KAFB-EB-224-05249 Lab ID: 0356980002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0055	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0055	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0044	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0055	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0044	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		95.0000 %	95.0000 %		100.0000 %	97.0000 %		
1,2-DICHLOROPROPANE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		98.0000 %	96.0000 %		102.0000 %	100.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ACETONE	0.0110	0.1000	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	6.1000 TR		
BENZENE	0.0022	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0022	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0055	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0044	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0055	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0022	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0022	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0066	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0044	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0022	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0033	0.0050	93.3000	0.0078	0.0069		12.0000 =	11.0000		
STYRENE	0.0055	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0022	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0033	0.0050	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		96.0000 %	99.0000 %		99.0000 %	102.0000 %		
TRICHLOROETHYLENE (TCE)	0.0033	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0077	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0044	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0055	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0055	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0055	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-224: Area Drain ST-224 Building 1031
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-224-02-0911 Lab ID: P274290	Field ID: KAFB-224-02-1618 Lab ID: P274291	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-224-05249 Lab ID: P274287	Ambient Blank Field ID: Lab ID:	Lab ID: P275223
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		60.0000	62.0000			140.0000		64.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		32.0000	32.0000			65.0000		33.0000
2-FLUOROPHENOL	N/A	N/A		57.0000	56.0000			100.0000		54.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-224: Area Drain ST-224 Building 1031
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-224-02-0911 Lab ID: P274290	Field ID: KAFB-224-02-1618 Lab ID: P274291	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-224-05249 Lab ID: P274287	Ambient Blank Field ID: Lab ID:	Lab ID: P275223
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		30.0000	30.0000			70.0000		32.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		64.0000	64.0000			65.0000		65.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		33.0000	33.0000			65.0000		35.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	100.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-224: Area Drain ST-224 Building 1031
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-224-02-0911 Lab ID: P274290	Field ID: KAFB-224-02-1618 Lab ID: P274291	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.5000	8.4000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-225: Holding Tank ST-225 Building 1031
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-225-01-1115 Lab ID: 0356380013SA	Field ID: KAFB-225-01-1921 Lab ID: 0356380015SA	Field ID: KAFB-225-99-1115 Lab ID: 0356380013SA	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		11.0000	9.3000	20.0000				

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-225: Holding Tank ST-225 Building 1031
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-225-01-1115 Lab ID: 0356380013SA	Field ID: KAFB-225-01-1921 Lab ID: 0356380015SA	Field ID: KAFB-225-99-1115 Lab ID: 0356380013SA	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-222-05239 Lab ID: 0356380002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		83.0000 %	86.0000 %	88.0000 %		90.0000 %		
BENZENE	0.0280	N/A	24.1000	0.0000 ND	0.0000 ND	0.0000	0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0280	N/A	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
GASOLINE COMPONENTS	0.5600	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
TOLUENE	0.0280	N/A	16000.00	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0280	N/A	160000.0	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-225: Holding Tank ST-225 Building 1031
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: *Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-225-01-1115 Lab ID: P274213	Field ID: KAFB-225-01-1921 Lab ID: P274215	Field ID: KAFB-225-99-1115 Lab ID: P274213	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-222-05239 Lab ID: P274202	Ambient Blank Field ID: Lab ID:	Lab ID: P275112
ALUMINUM	2.0000	50.0000		6260.0000	8250.0000	6600.0000		120.0000		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND	7.2000		0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	133.0000	75.8000	157.0000		2.0000		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.4300	0.5500	0.4500		0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		21900.0000	29300.0000	49900.0000		110.0000		3.1000
CHROMIUM, TOTAL	1.0000	7.0000		6.6000	8.7000	6.4000		0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		6.0000	6.3000	5.0000		0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		19.7000	41.5000	23.6000		13.0000		0.0000 ND
IRON	0.8000	7.0000		12200.0000	12200.0000	10400.0000		136.0000		1.8000
LEAD	3.0000	50.0000	400.0000	9.3000	7.9000	8.1000		0.0000 ND		3.0000
MAGNESIUM	3.0000	30.0000		4060.0000	4060.0000	4940.0000		398.0000		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	266.0000	187.0000	232.0000		0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	7.6000	7.6000	31.3000		0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		1320.0000	1580.0000	1280.0000		0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		77.3000	330.0000	106.0000		146.0000		8.1000
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	23.9000	22.2000	23.1000		4.0000		0.0000 ND
ZINC	0.7000	2.0000	24000.00	30.9000	39.2000	33.2000		19.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-225: Holding Tank ST-225 Building 1031
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-225-01-1115 Lab ID: P274213	Field ID: KAFB-225-01-1921 Lab ID: P274215	Field ID: KAFB-225-99-1115 Lab ID: P274213	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-222-05239 Lab ID: P274202	Ambient Blank Field ID: Lab ID:	Lab ID: P276082
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-225: Holding Tank ST-225 Building 1031
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-225-01-1115 Lab ID: P274213	Field ID: KAFB-225-01-1921 Lab ID: P274215	Field ID: KAFB-225-99-1115 Lab ID: P274213	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-222-05239 Lab ID: P274202	Ambient Blank Field ID: Lab ID:	Lab ID: P274950
DIESEL COMPONENTS	70.0000	10.0000		3900.0000	8700.0000	6300.0000		0.0000 ND		0.0000 ND
PENTACOSANE	N/A	N/A		2180.0000	2250.0000	2110.0000		57.0000		1910.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-225: Holding Tank ST-225 Building 1031
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-225-01-1115 Lab ID: 0356380013SA	Field ID: KAFB-225-01-1921 Lab ID: 0356380015SA	Field ID: KAFB-225-99-1115 Lab ID: 0356380013SA	Trip Blank Field ID: KAFB-TB-01-052394 Lab ID: 0356380001TB	Equipment Blank Field ID: KAFB-EB-222-05239 Lab ID: 0356380002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0034	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0056	0.0050	35.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0056	0.0050	123.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0045	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0056	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0045	0.0050	7.6900	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		90.0000 %	94.0000 %	91.0000 %	92.0000 %	94.0000 %		
1,2-DICHLOROPROPANE	0.0034	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		95.0000 %	96.0000 %	93.0000 %	95.0000 %	95.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
2-HEXANONE	0.0110	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ACETONE	0.0110	0.1000	8000.000	0.0000 ND	0.0073 TR	0.0000 ND	0.0000 ND	3.6000 TR		
BENZENE	0.0023	0.0050	24.1000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0023	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMOFORM	0.0056	0.0050	88.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0045	0.0100	32.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0056	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0034	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0023	N/A	2160.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROFORM	0.0023	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0068	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0045	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0023	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0034	0.0050	93.3000	0.0042	0.0039	0.0040	4.1000 =	3.9000		
STYRENE	0.0056	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0023	0.0050	800.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TOLUENE	0.0034	0.0050	16000.00	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		95.0000 %	93.0000 %	92.0000 %	91.0000 %	93.0000 %		
TRICHLOROETHYLENE (TCE)	0.0034	0.0050	63.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0079	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0045	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0056	0.0050	160000.0	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0056	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0056	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0034	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-225: Holding Tank ST-225 Building 1031
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-225-01-1115 Lab ID: P274213	Field ID: KAFB-225-01-1921 Lab ID: P274215	Field ID: KAFB-225-99-1115 Lab ID: P274213	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-222-05239 Lab ID: P274202	Ambient Blank Field ID: Lab ID:	Lab ID: P274948
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		75.0000	80.0000	80.0000		95.0000		80.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		38.0000	39.0000	38.0000		65.0000		38.0000
2-FLUOROPHENOL	N/A	N/A		65.0000	65.0000	70.0000		90.0000		70.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-225: Holding Tank ST-225 Building 1031
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-225-01-1115 Lab ID: P274213	Field ID: KAFB-225-01-1921 Lab ID: P274215	Field ID: KAFB-225-99-1115 Lab ID: P274213	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-222-05239 Lab ID: P274202	Ambient Blank Field ID: Lab ID:	Lab ID: P274948
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		38.0000	37.0000	38.0000		70.0000		38.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	200.0000	160.0000		0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		75.0000	75.0000	75.0000		85.0000		80.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		34.0000	40.0000	38.0000		65.0000		39.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	100.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-225: Holding Tank ST-225 Building 1031
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-225-01-1115 Lab ID: P274213	Field ID: Lab ID: P274213	Field ID: KAFB-225-01-1921 Lab ID: P274215	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.7000		8.5000				
pH	N/A	N/A		8.7000						

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-226: Oil/Water Separator ST226 Bldg 1037
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-226-01-0305 Lab ID: P268357	Field ID: Lab ID: P268357	Field ID: KAFB-226-01-0810 Lab ID: P268358	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID: P269119
SOLIDS, PERCENT	N/A	N/A		84.4000		95.3000				100.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-226: Oil/Water Separator ST226 Bldg 1037
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: *Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-226-01-0305 Lab ID: P268357	Field ID: KAFB-226-01-0810 Lab ID: P268358	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-226-03299 Lab ID: P268356	Ambient Blank Field ID: Lab ID:	Lab ID: P270202
ALUMINUM	2.0000	50.0000		5470.0000	6510.0000			0.0000 ND		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	7.2000	0.0000 ND			0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	80.6000	41.4000			0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.3600	0.4200			0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		34800.0000	58900.0000			70.0000		3.1000
CHROMIUM, TOTAL	1.0000	7.0000		6.2000	5.5000			0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		5.9000	3.5000			0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		7.9000	20.8000			7.0000		0.1000
IRON	0.8000	7.0000		10700.0000	7980.0000			42.0000		1.9000
LEAD	3.0000	50.0000	400.0000	3.7000	3.9000			0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		3750.0000	3030.0000			0.0000 ND		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	205.0000	118.0000			0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	3.9000	5.9000			0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		1230.0000	1130.0000			0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.4000
SODIUM	3.0000	30.0000		215.0000	320.0000			215.0000		0.0000 ND
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	27.0000	17.5000			0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	26.9000	43.1000			21.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-226: Oil/Water Separator ST226 Bldg 1037
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-226-01-0305 Lab ID: P268357	Field ID: KAFB-226-01-0810 Lab ID: P268358	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-226-03299 Lab ID: P268356	Ambient Blank Field ID: Lab ID:	Lab ID: P270334
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-226: Oil/Water Separator ST226 Bldg 1037
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-226-01-0305 Lab ID:	Field ID: KAFB-226-01-0810 Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-226-03299 Lab ID: P268356	Ambient Blank Field ID: Lab ID:	Lab ID:
GASOLINE COMPONENTS	100.0000	1.0000		0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-226: Oil/Water Separator ST226 Bldg 1037
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-226-01-0305 Lab ID: P268357	Field ID: KAFB-226-01-0810 Lab ID: P268358	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-226-03299 Lab ID: P268356	Ambient Blank Field ID: Lab ID:	Lab ID: P269094
DIESEL COMPONENTS	70.0000	10.0000		4600.0000	3900.0000			70.0000		0.0000 ND
PENTACOSANE	N/A	N/A		98.0000	85.0000			83.0000		89.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-226: Oil/Water Separator ST226 Bldg 1037
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-226-01-0305 Lab ID: P268357	Field ID: KAFB-226-01-0810 Lab ID: P268358	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-032994 Lab ID: P268370	Equipment Blank Field ID: KAFB-EB-226-03299 Lab ID: P268356	Ambient Blank Field ID: KAFB-AB-226-03299 Lab ID: P268359	Lab ID: P272670
1,1,1-TRICHLOROETHANE	4.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
1,1,2,2-TETRACHLOROETHANE	3.0000	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
1,1,2-TRICHLOROETHANE	2.0000	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
1,1-DICHLOROETHANE	3.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
1,1-DICHLOROETHENE	6.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
1,2-DICHLOROETHANE	2.0000	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
1,2-DICHLOROETHANE-D4	N/A	N/A		72.0000	53.0000		39.0000 =	47.0000	46.0000	59.0000
1,2-DICHLOROPROPANE	2.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		64.0000	51.0000		54.0000 =	52.0000	51.0000	51.0000
2-CHLOROETHYL VINYL ETHER	3.0000	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
2-HEXANONE	4.0000	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
ACETONE	4.0000	0.1000	8000.000	6.0000	0.0000 ND		0.0000 ND	8.0000	7.0000	10.0000
BENZENE	2.0000	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
BROMODICHLOROMETHANE	1.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
BROMOFORM	3.0000	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
BROMOMETHANE	2.0000	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
CARBON DISULFIDE	6.0000	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
CARBON TETRACHLORIDE	6.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
CHLOROBENZENE	1.0000	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	1.0000
CHLOROETHANE	3.0000	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
CHLOROFORM	2.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
CHLOROMETHANE	3.0000	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
DIBROMOCHLOROMETHANE	2.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
ETHYLBENZENE	2.0000	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
M,P-XYLENE (SUM OF ISOMERS)	2.0000	N/A		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
METHYL ETHYL KETONE (2-BUTANONE)	9.0000	0.1000	48000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	3.0000	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
METHYLENE CHLORIDE	3.0000	0.0050	93.3000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
O-XYLENE (1,2-DIMETHYLBENZENE)	2.0000	N/A		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
STYRENE	2.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
TETRACHLOROETHYLENE(PCE)	3.0000	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
TOLUENE	2.0000	0.0050	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
TOLUENE-D8	N/A	0.0050		68.0000	53.0000		50.0000 =	55.0000	53.0000	47.0000
TRICHLOROETHYLENE (TCE)	2.0000	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
VINYL ACETATE	3.0000	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
VINYL CHLORIDE	4.0000	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
cis-1,3-DICHLOROPROPENE	2.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
trans-1,2-DICHLOROETHENE	4.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
trans-1,3-DICHLOROPROPENE	3.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-226: Oil/Water Separator ST226 Bldg 1037
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-226-01-0305 Lab ID: P268357	Field ID: KAFB-226-01-0810 Lab ID: P268358	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-226-03299 Lab ID: P268356	Ambient Blank Field ID: Lab ID:	Lab ID: P270100
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		53.0000	42.0000			90.0000		73.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		45.0000	43.0000			42.0000		47.0000
2-FLUOROPHENOL	N/A	N/A		76.0000	66.0000			59.0000		89.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-226: Oil/Water Separator ST226 Bldg 1037
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-226-01-0305 Lab ID: P268357	Field ID: KAFB-226-01-0810 Lab ID: P268358	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-226-03299 Lab ID: P268356	Ambient Blank Field ID: Lab ID:	Lab ID: P270100
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		42.0000	40.0000			48.0000		44.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	310.0000	1600.0000			0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		84.0000	80.0000			42.0000		93.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		53.0000	50.0000			51.0000		55.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	100.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-226: Oil/Water Separator ST226 Bldg 1037
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-226-01-0305 Lab ID: P268357	Field ID: Lab ID: P268357	Field ID: KAFB-226-01-0810 Lab ID: P268358	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.3000		8.5000				

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-226: Oil/Water Separator ST226 Bldg 1037
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-226-02-0305 Lab ID: P268360	Field ID: KAFB-226-02-0507 Lab ID: P268361	Field ID: KAFB-226-02-0810 Lab ID: P268362	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID: P269119
SOLIDS, PERCENT	N/A	N/A		91.9000	95.4000	89.9000				100.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-226: Oil/Water Separator ST226 Bldg 1037
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: *Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-226-02-0305 Lab ID: P268360	Field ID: KAFB-226-02-0610 Lab ID: P268362	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-226-03299 Lab ID: P268356	Ambient Blank Field ID: Lab ID:	Lab ID: P270202
ALUMINUM	2.0000	50.0000		6690.0000	4040.0000			0.0000 ND		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	117.0000	57.3000			0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.4400	0.3300			0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		46700.0000	11500.0000			70.0000		3.1000
CHROMIUM, TOTAL	1.0000	7.0000		8.8000	4.6000			0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		4.8000	3.9000			0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		59.8000	29.8000			7.0000		0.1000
IRON	0.8000	7.0000		9720.0000	7480.0000			42.0000		1.9000
LEAD	3.0000	50.0000	400.0000	3.9000	0.0000 ND			0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		3230.0000	2480.0000			0.0000 ND		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	148.0000	150.0000			0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	34.1000	3.3000			0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		1170.0000	701.0000			0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.4000
SODIUM	3.0000	30.0000		68.4000	58.3000			215.0000		0.0000 ND
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	22.5000	15.1000			0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	54.1000	33.9000			21.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-226: Oil/Water Separator ST226 Bldg 1037
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-226-02-0305 Lab ID: P268360	Field ID: KAFB-226-02-0810 Lab ID: P268362	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-226-03299 Lab ID: P268356	Ambient Blank Field ID: Lab ID:	Lab ID: P270334
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-226: Oil/Water Separator ST226 Bldg 1037
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-226-02-0507 Lab ID:	Field ID: KAFB-226-02-0610 Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-226-03299 Lab ID: P268356	Ambient Blank Field ID: Lab ID:	Lab ID:
GASOLINE COMPONENTS	100.0000	1.0000		0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-226: Oil/Water Separator ST226 Bldg 1037
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-226-02-0507 Lab ID: P268361	Field ID: KAFB-226-02-0810 Lab ID: P268362	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-226-03299 Lab ID: P268356	Ambient Blank Field ID: Lab ID:	Lab ID: P269094
DIESEL COMPONENTS	70.0000	10.0000		740.0000	2300.0000			70.0000		0.0000 ND
PENTACOSANE	N/A	N/A		86.0000	92.0000			83.0000		89.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-226: Oil/Water Separator ST226 Bldg 1037
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-226-02-0507 Lab ID: P268361	Field ID: KAFB-226-02-0810 Lab ID: P268362	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-032994 Lab ID: P268370	Equipment Blank Field ID: KAFB-EB-226-03299 Lab ID: P268356	Ambient Blank Field ID: KAFB-AB-226-03299 Lab ID: P268359	Lab ID: P272670
1,1,1-TRICHLOROETHANE	4.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
1,1,2,2-TETRACHLOROETHANE	3.0000	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
1,1,2-TRICHLOROETHANE	2.0000	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
1,1-DICHLOROETHANE	3.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
1,1-DICHLOROETHENE	6.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
1,2-DICHLOROETHANE	2.0000	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
1,2-DICHLOROETHANE-D4	N/A	N/A		56.0000	58.0000		39.0000 =	47.0000	46.0000	59.0000
1,2-DICHLOROPROPANE	2.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		53.0000	55.0000		54.0000 =	52.0000	51.0000	51.0000
2-CHLOROETHYL VINYL ETHER	2.0000	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
2-HEXANONE	4.0000	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
ACETONE	4.0000	0.1000	8000.000	0.0000 ND	9.0000		0.0000 ND	8.0000	7.0000	10.0000
BENZENE	2.0000	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
BROMODICHLOROMETHANE	1.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
BROMOFORM	3.0000	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
BROMOMETHANE	2.0000	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
CARBON DISULFIDE	6.0000	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
CARBON TETRACHLORIDE	6.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
CHLOROBENZENE	1.0000	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	1.0000
CHLOROETHANE	3.0000	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
CHLOROFORM	2.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
CHLOROMETHANE	3.0000	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
DIBROMOCHLOROMETHANE	2.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
ETHYLBENZENE	2.0000	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
M,P-XYLENE (SUM OF ISOMERS)	2.0000	N/A		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
METHYL ETHYL KETONE (2-BUTANONE)	9.0000	0.1000	48000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	3.0000	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
METHYLENE CHLORIDE	3.0000	0.0050	93.3000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
O-XYLENE (1,2-DIMETHYLBENZENE)	2.0000	N/A		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
STYRENE	2.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
TETRACHLOROETHYLENE(PCE)	3.0000	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
TOLUENE	2.0000	0.0050	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
TOLUENE-D8	N/A	0.0050		54.0000	57.0000		50.0000 =	55.0000	53.0000	47.0000
TRICHLOROETHYLENE (TCE)	2.0000	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
VINYL ACETATE	3.0000	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
VINYL CHLORIDE	4.0000	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
cis-1,3-DICHLOROPROPENE	2.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
trans-1,2-DICHLOROETHENE	4.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
trans-1,3-DICHLOROPROPENE	3.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-226: Oil/Water Separator ST226 Bldg 1037
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-226-02-0507 Lab ID: P268361	Field ID: KAFB-226-02-0810 Lab ID: P268362	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-226-03299 Lab ID: P268356	Ambient Blank Field ID: Lab ID:	Lab ID: P270100
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		57.0000	59.0000			90.0000		73.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		45.0000	47.0000			42.0000		47.0000
2-FLUOROPHENOL	N/A	N/A		82.0000	84.0000			59.0000		89.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-226: Oil/Water Separator ST226 Bldg 1037
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-226-02-0507 Lab ID: P268361	Field ID: KAFB-226-02-0810 Lab ID: P268362	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-226-03299 Lab ID: P268356	Ambient Blank Field ID: Lab ID:	Lab ID: P270100
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		43.0000	44.0000			48.0000		44.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	310.0000	1600.0000			0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		89.0000	92.0000			42.0000		93.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		54.0000	56.0000			51.0000		55.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	100.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-226: Oil/Water Separator ST226 Bldg 1037
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-226-02-0305 Lab ID: P268360	Field ID: KAFB-226-02-0507 Lab ID: P268361	Field ID: KAFB-226-02-0810 Lab ID: P268362	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.5000	8.4000	8.4000				

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-226: Oil/Water Separator ST226 Bldg 1037
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-226-03-0306 Lab ID: P268363	Field ID: KAFB-226-03-0810 Lab ID: P268364	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID: P269119
SOLIDS, PERCENT	N/A	N/A		92.7000	90.0000					100.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-226: Oil/Water Separator ST226 Bldg 1037
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: *Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-226-03-0306 Lab ID: P268363	Field ID: KAFB-226-03-0810 Lab ID: P268364	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-226-03299 Lab ID: P268356	Ambient Blank Field ID: Lab ID:	Lab ID: P270202
ALUMINUM	2.0000	50.0000		11100.0000	8070.0000			0.0000 ND		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	60.1000	72.4000			0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.6500	0.4400			0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.5600			0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		34800.0000	73300.0000			70.0000		3.1000
CHROMIUM, TOTAL	1.0000	7.0000		10.2000	8.0000			0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		5.4000	6.6000			0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		162.0000	49.9000			7.0000		0.1000
IRON	0.8000	7.0000		12100.0000	11100.0000			42.0000		1.9000
LEAD	3.0000	50.0000	400.0000	5.2000	4.8000			0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		4010.0000	4880.0000			0.0000 ND		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	157.0000	171.0000			0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	8.7000	7.2000			0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		1550.0000	1470.0000			0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	7.8000			0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.4000
SODIUM	3.0000	30.0000		299.0000	202.0000			215.0000		0.0000 ND
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	33.3000	26.6000			0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	119.0000	60.1000			21.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-226: Oil/Water Separator ST226 Bldg 1037
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-226-03-0306 Lab ID: P268363	Field ID: KAFB-226-03-0810 Lab ID: P268364	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-226-03299 Lab ID: P268356	Ambient Blank Field ID: Lab ID:	Lab ID: P270334
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-226: Oil/Water Separator ST226 Bldg 1037
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-226-03-0306 Lab ID:	Field ID: KAFB-226-03-0810 Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-226-03299 Lab ID: P268356	Ambient Blank Field ID: Lab ID:	Lab ID:
GASOLINE COMPONENTS	100.0000	1.0000		0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-226: Oil/Water Separator ST226 Bldg 1037
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-226-03-0306 Lab ID: P268363	Field ID: KAFB-226-03-0810 Lab ID: P268364	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-226-03299 Lab ID: P268356	Ambient Blank Field ID: Lab ID:	Lab ID: P269094
DIESEL COMPONENTS	70.0000	10.0000		3200.0000	1700.0000			70.0000		0.0000 ND
PENTACOSANE	N/A	N/A		96.0000	89.0000			83.0000		89.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-226: Oil/Water Separator ST226 Bldg 1037
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-226-03-0306 Lab ID: P268363	Field ID: KAFB-226-03-0810 Lab ID: P268364	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-032994 Lab ID: P268370	Equipment Blank Field ID: KAFB-EB-226-03299 Lab ID: P268356	Ambient Blank Field ID: KAFB-AB-226-03299 Lab ID: P268359	Lab ID: P272670
1,1,1-TRICHLOROETHANE	4.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
1,1,2,2-TETRACHLOROETHANE	3.0000	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
1,1,2-TRICHLOROETHANE	2.0000	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
1,1-DICHLOROETHANE	3.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
1,1-DICHLOROETHENE	6.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
1,2-DICHLOROETHANE	2.0000	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
1,2-DICHLOROETHANE-D4	N/A	N/A		57.0000	57.0000		39.0000 =	47.0000	46.0000	59.0000
1,2-DICHLOROPROPANE	2.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		57.0000	54.0000		54.0000 =	52.0000	51.0000	51.0000
2-CHLOROETHYL VINYL ETHER	N/A	0.0100		0.0000	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
2-HEXANONE	4.0000	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
ACETONE	4.0000	0.1000	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	8.0000	7.0000	10.0000
BENZENE	2.0000	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
BROMODICHLOROMETHANE	1.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
BROMOFORM	3.0000	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
BROMOMETHANE	2.0000	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
CARBON DISULFIDE	6.0000	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
CARBON TETRACHLORIDE	6.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
CHLOROBENZENE	1.0000	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	1.0000
CHLOROETHANE	3.0000	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
CHLOROFORM	2.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
CHLOROMETHANE	3.0000	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
DIBROMOCHLOROMETHANE	2.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
ETHYLBENZENE	2.0000	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
M,P-XYLENE (SUM OF ISOMERS)	2.0000	N/A		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
METHYL ETHYL KETONE (2-BUTANONE)	9.0000	0.1000	48000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	3.0000	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
METHYLENE CHLORIDE	3.0000	0.0050	93.3000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
O-XYLENE (1,2-DIMETHYLBENZENE)	2.0000	N/A		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
STYRENE	2.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
TETRACHLOROETHYLENE(PCE)	3.0000	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
TOLUENE	2.0000	0.0050	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
TOLUENE-D8	N/A	0.0050		57.0000	55.0000		50.0000 =	55.0000	53.0000	47.0000
TRICHLOROETHYLENE (TCE)	2.0000	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
VINYL ACETATE	3.0000	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
VINYL CHLORIDE	4.0000	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
cis-1,3-DICHLOROPROPENE	2.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
trans-1,2-DICHLOROETHENE	4.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
trans-1,3-DICHLOROPROPENE	3.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-226: Oil/Water Separator ST226 Bldg 1037
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-226-03-0306 Lab ID: P268363	Field ID: KAFB-226-03-0810 Lab ID: P268364	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-226-03299 Lab ID: P268356	Ambient Blank Field ID: Lab ID:	Lab ID: P270100
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		52.0000	69.0000			90.0000		73.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		39.0000	48.0000			42.0000		47.0000
2-FLUOROPHENOL	N/A	N/A		72.0000	89.0000			59.0000		89.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-226: Oil/Water Separator ST226 Bldg 1037
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-226-03-0306 Lab ID: P268363	Field ID: KAFB-226-03-0810 Lab ID: P268364	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-226-03299 Lab ID: P268356	Ambient Blank Field ID: Lab ID:	Lab ID: P270100
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		37.0000	45.0000			48.0000		44.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	1700.0000	2100.0000			0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		78.0000	95.0000			42.0000		93.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		47.0000	55.0000			51.0000		55.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	100.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-226: Oil/Water Separator ST226 Bldg 1037
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-226-03-0306 Lab ID: P268363	Field ID: KAFB-226-03-0810 Lab ID: P268364	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.8000	8.8000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-226: Oil/Water Separator ST226 Bldg 1037
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-226-04-0306 Lab ID: P268365	Field ID: KAFB-226-04-0812 Lab ID: P268366	Field ID: KAFB-226-99-0812 Lab ID: P268366	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID: P269119
SOLIDS, PERCENT	N/A	N/A		87.9000	92.1000	91.6000				100.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-226: Oil/Water Separator ST226 Bldg 1037
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-226-04-0306 Lab ID: P268365	Field ID: KAFB-226-04-0812 Lab ID: P268366	Field ID: KAFB-226-99-0812 Lab ID: P268366	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-226-03299 Lab ID: P268356	Ambient Blank Field ID: Lab ID:	Lab ID: P270202
ALUMINUM	2.0000	50.0000		6030.0000	8170.0000	6190.0000		0.0000 ND		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	90.4000	80.7000	103.0000		0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.4600	0.5400	0.4400		0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		129000.0000	44000.0000	34400.0000		70.0000		3.1000
CHROMIUM, TOTAL	1.0000	7.0000		7.1000	8.1000	6.3000		0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		3.6000	6.3000	5.0000		0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		55.4000	25.2000	21.8000		7.0000		0.1000
IRON	0.8000	7.0000		8050.0000	12000.0000	9220.0000		42.0000		1.9000
LEAD	3.0000	50.0000	400.0000	3.8000	5.9000	0.0000 ND		0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		3250.0000	4580.0000	3590.0000		0.0000 ND		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	111.0000	227.0000	171.0000		0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	5.0000	6.9000	4.6000		0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		1090.0000	1570.0000	1200.0000		0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.4000
SODIUM	3.0000	30.0000		70.8000	108.0000	85.7000		215.0000		0.0000 ND
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	23.1000	26.8000	21.8000		0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	54.6000	37.4000	38.5000		21.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-226: Oil/Water Separator ST226 Bldg 1037
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-226-04-0306 Lab ID: P268365	Field ID: KAFB-226-04-0812 Lab ID: P268366	Field ID: KAFB-226-99-0812 Lab ID: P268366	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-226-03299 Lab ID: P268356	Ambient Blank Field ID: Lab ID:	Lab ID: P270334
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-226: Oil/Water Separator ST226 Bldg 1037
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-226-04-0306 Lab ID:	Field ID: KAFB-226-04-0812 Lab ID:	Field ID: KAFB-226-99-0812 Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-226-03299 Lab ID: P268356	Ambient Blank Field ID: Lab ID:	Lab ID:
GASOLINE COMPONENTS	100.0000	1.0000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-226: Oil/Water Separator ST226 Bldg 1037
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-226-04-0306 Lab ID: P268365	Field ID: KAFB-226-04-0812 Lab ID: P268366	Field ID: KAFB-226-99-0812 Lab ID: P268366	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-226-03299 Lab ID: P268356	Ambient Blank Field ID: Lab ID:	Lab ID: P269094
DIESEL COMPONENTS	70.0000	10.0000		2800.0000	3600.0000	2400.0000		70.0000		0.0000 ND
PENTACOSANE	N/A	N/A		97.0000	88.0000	90.0000		83.0000		89.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-226: Oil/Water Separator ST226 Bldg 1037
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-226-04-0306 Lab ID: P268365	Field ID: KAFB-226-04-0812 Lab ID: P268366	Field ID: KAFB-226-99-0812 Lab ID: P268366	Trip Blank Field ID: KAFB-TB-01-032994 Lab ID: P268370	Equipment Blank Field ID: KAFB-EB-226-03299 Lab ID: P268356	Ambient Blank Field ID: KAFB-AB-226-03299 Lab ID: P268359	Lab ID: P272670
1,1,1-TRICHLOROETHANE	4.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
1,1,2,2-TETRACHLOROETHANE	3.0000	0.0050	35.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
1,1,2-TRICHLOROETHANE	2.0000	0.0050	123.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
1,1-DICHLOROETHANE	3.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
1,1-DICHLOROETHENE	6.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
1,2-DICHLOROETHANE	2.0000	0.0050	7.6900	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
1,2-DICHLOROETHANE-D4	N/A	N/A		52.0000	54.0000	54.0000	39.0000 =	47.0000	46.0000	59.0000
1,2-DICHLOROPROPANE	2.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		56.0000	52.0000	55.0000	54.0000 =	52.0000	51.0000	51.0000
2-CHLOROETHYL VINYL ETHER	3.0000	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
2-HEXANONE	4.0000	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
ACETONE	4.0000	0.1000	8000.000	8.0000	11.0000	11.0000	0.0000 ND	8.0000	7.0000	10.0000
BENZENE	2.0000	0.0050	24.1000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
BROMODICHLOROMETHANE	1.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
BROMOFORM	3.0000	0.0050	88.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
BROMOMETHANE	2.0000	0.0100	32.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
CARBON DISULFIDE	6.0000	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
CARBON TETRACHLORIDE	6.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
CHLOROBENZENE	1.0000	N/A	2160.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	1.0000
CHLOROETHANE	3.0000	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
CHLOROFORM	2.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
CHLOROMETHANE	3.0000	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
DIBROMOCHLOROMETHANE	2.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
ETHYLBENZENE	2.0000	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
M,P-XYLENE (SUM OF ISOMERS)	2.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
METHYL ETHYL KETONE (2-BUTANONE)	9.0000	0.1000	48000.00	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	3.0000	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
METHYLENE CHLORIDE	3.0000	0.0050	93.3000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
O-XYLENE (1,2-DIMETHYLBENZENE)	2.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
STYRENE	2.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
TETRACHLOROETHYLENE(PCE)	3.0000	0.0050	800.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
TOLUENE	2.0000	0.0050	16000.00	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
TOLUENE-D8	N/A	0.0050		59.0000	57.0000	58.0000	50.0000 =	55.0000	53.0000	47.0000
TRICHLOROETHYLENE (TCE)	2.0000	0.0050	63.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
VINYL ACETATE	3.0000	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
VINYL CHLORIDE	4.0000	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
cis-1,3-DICHLOROPROPENE	2.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
trans-1,2-DICHLOROETHENE	4.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
trans-1,3-DICHLOROPROPENE	3.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-226: Oil/Water Separator ST226 Bldg 1037
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-226-04-0306 Lab ID: P268365	Field ID: KAFB-226-04-0812 Lab ID: P268366	Field ID: KAFB-226-99-0812 Lab ID: P268366	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-226-03299 Lab ID: P268356	Ambient Blank Field ID: Lab ID:	Lab ID: P270100
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		56.0000	68.0000	63.0000		90.0000		73.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		44.0000	48.0000	45.0000		42.0000		47.0000
2-FLUOROPHENOL	N/A	N/A		77.0000	87.0000	84.0000		59.0000		89.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-226: Oil/Water Separator ST226 Bldg 1037
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-226-04-0306 Lab ID: P268365	Field ID: KAFB-226-04-0812 Lab ID: P268366	Field ID: KAFB-226-99-0812 Lab ID: P268366	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-226-03299 Lab ID: P268356	Ambient Blank Field ID: Lab ID:	Lab ID: P270100
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		42.0000	47.0000	44.0000		48.0000		44.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	1400.0000	1700.0000	930.0000		0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		86.0000	95.0000	90.0000		42.0000		93.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		52.0000	55.0000	56.0000		51.0000		55.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	100.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-226: Oil/Water Separator ST226 Bldg 1037
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-226-04-0306 Lab ID: P268365	Field ID: KAFB-226-04-0812 Lab ID: P268366	Field ID: KAFB-226-99-0812 Lab ID: P268366	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.3000	8.5000	8.4000				

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-226: Oil/Water Separator ST226 Bldg 1037
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-226-05-0307 Lab ID: P268368	Field ID: KAFB-226-05-0812 Lab ID: P268369	Field ID: Lab ID: P268369	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID: P269119
SOLIDS, PERCENT	N/A	N/A		94.2000	94.0000					100.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-226: Oil/Water Separator ST226 Bldg 1037
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: *Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-226-05-0307 Lab ID: P268368	Field ID: KAFB-226-05-0812 Lab ID: P268369	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-226-03299 Lab ID: P268356	Ambient Blank Field ID: Lab ID:	Lab ID: P270202
ALUMINUM	2.0000	50.0000		4290.0000	5620.0000			0.0000 ND		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	86.2000	56.5000			0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.3200	0.4300			0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		39600.0000	28600.0000			70.0000		3.1000
CHROMIUM, TOTAL	1.0000	7.0000		5.4000	6.5000			0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		3.0000	4.5000			0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		56.3000	18.0000			7.0000		0.1000
IRON	0.8000	7.0000		7380.0000	9100.0000			42.0000		1.9000
LEAD	3.0000	50.0000	400.0000	3.6000	4.0000			0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		2740.0000	3340.0000			0.0000 ND		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	162.0000	147.0000			0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	6.8000	5.9000			0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		873.0000	1190.0000			0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.4000
SODIUM	3.0000	30.0000		83.4000	227.0000			215.0000		0.0000 ND
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	15.5000	20.1000			0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	65.9000	32.2000			21.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-226: Oil/Water Separator ST226 Bldg 1037
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-226-05-0307 Lab ID: P268368	Field ID: KAFB-226-05-0812 Lab ID: P268369	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-226-03299 Lab ID: P268356	Ambient Blank Field ID: Lab ID:	Lab ID: P270334
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-226: Oil/Water Separator ST226 Bldg 1037
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-226-05-0307 Lab ID:	Field ID: KAFB-226-05-0812 Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-226-03299 Lab ID: P268356	Ambient Blank Field ID: Lab ID:	Lab ID:
GASOLINE COMPONENTS	100.0000	1.0000		720.0000	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-226: Oil/Water Separator ST226 Bldg 1037
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-226-05-0307 Lab ID: P268368	Field ID: KAFB-226-05-0812 Lab ID: P268369	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-226-03299 Lab ID: P268356	Ambient Blank Field ID: Lab ID:	Lab ID: P269094
DIESEL COMPONENTS	70.0000	10.0000		600.0000	3000.0000			70.0000		0.0000 ND
PENTACOSANE	N/A	N/A		86.0000	98.0000			83.0000		89.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-226: Oil/Water Separator ST226 Bldg 1037
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-226-05-0307 Lab ID: P268368	Field ID: KAFB-226-05-0812 Lab ID: P268369	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-032994 Lab ID: P268370	Equipment Blank Field ID: KAFB-EB-226-03299 Lab ID: P268356	Ambient Blank Field ID: KAFB-AB-226-03299 Lab ID: P268359	Lab ID: P272672
1,1,1-TRICHLOROETHANE	4.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
1,1,2,2-TETRACHLOROETHANE	3.0000	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
1,1,2-TRICHLOROETHANE	2.0000	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
1,1-DICHLOROETHANE	3.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
1,1-DICHLOROETHENE	6.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
1,2-DICHLOROETHANE	2.0000	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
1,2-DICHLOROETHANE-D4	N/A	N/A		51.0000	53.0000		39.0000 =	47.0000	46.0000	43.0000
1,2-DICHLOROPROPANE	2.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		48.0000	48.0000		54.0000 =	52.0000	51.0000	34.0000
2-CHLOROETHYL VINYL ETHER	3.0000	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
2-HEXANONE	4.0000	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
ACETONE	4.0000	0.1000	8000.000	13.0000	14.0000		0.0000 ND	8.0000	7.0000	9.0000
BENZENE	2.0000	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
BROMODICHLOROMETHANE	1.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
BROMOFORM	3.0000	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
BROMOMETHANE	2.0000	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
CARBON DISULFIDE	6.0000	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
CARBON TETRACHLORIDE	6.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
CHLOROBENZENE	1.0000	N/A	2160.000	0.0000 ND	2.0000		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
CHLOROETHANE	3.0000	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
CHLOROFORM	2.0000	0.0050		2.0000	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
CHLOROMETHANE	3.0000	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
DIBROMOCHLOROMETHANE	2.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
ETHYLBENZENE	2.0000	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
M,P-XYLENE (SUM OF ISOMERS)	2.0000	N/A		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
METHYL ETHYL KETONE (2-BUTANONE)	9.0000	0.1000	48000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	3.0000	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
METHYLENE CHLORIDE	3.0000	0.0050	93.3000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
O-XYLENE (1,2-DIMETHYLBENZENE)	2.0000	N/A		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
STYRENE	2.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
TETRACHLOROETHYLENE(PCE)	3.0000	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
TOLUENE	2.0000	0.0050	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
TOLUENE-D8	N/A	0.0050		51.0000	51.0000		50.0000 =	55.0000	53.0000	46.0000
TRICHLOROETHYLENE (TCE)	2.0000	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
VINYL ACETATE	3.0000	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
VINYL CHLORIDE	4.0000	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
cis-1,3-DICHLOROPROPENE	2.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
trans-1,2-DICHLOROETHENE	4.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND
trans-1,3-DICHLOROPROPENE	3.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-226: Oil/Water Separator ST226 Bldg 1037
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-226-05-0307 Lab ID: P268368	Field ID: KAFB-226-05-0812 Lab ID: P268369	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-226-03299 Lab ID: P268356	Ambient Blank Field ID: Lab ID:	Lab ID: P270100
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		58.0000	63.0000			90.0000		73.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		44.0000	39.0000			42.0000		47.0000
2-FLUOROPHENOL	N/A	N/A		80.0000	77.0000			59.0000		89.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-226: Oil/Water Separator ST226 Bldg 1037
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-226-05-0307 Lab ID: P268368	Field ID: KAFB-226-05-0812 Lab ID: P268369	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-226-03299 Lab ID: P268356	Ambient Blank Field ID: Lab ID:	Lab ID: P270100
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		43.0000	39.0000			48.0000		44.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	320.0000	210.0000			0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		86.0000	79.0000			42.0000		93.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		53.0000	46.0000			51.0000		55.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	100.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-226: Oil/Water Separator ST226 Bldg 1037
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-226-05-0307 Lab ID: P268368	Field ID: Lab ID: P268368	Field ID: KAFB-226-05-0812 Lab ID: P268369	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.3000		8.6000				
pH	N/A	N/A		8.6000						

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-227: Holding Tank ST-227 Building 1037
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-227-01-0306 Lab ID: 1051570001DU	Field ID: Lab ID: 1051570001DU	Field ID: KAFB-227-01-0810 Lab ID: 1051570002SA	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		10.7000		8.5000				
MOISTURE, PERCENT	0.1000	N/A		7.2000						

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-227: Holding Tank ST-227 Building 1037
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: *Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-227-01-0306 Lab ID: P268452	Field ID: KAFB-227-01-0810 Lab ID: P268453	Field ID: KAFB-227-01-1820 Lab ID: P268454	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-227-03309 Lab ID: P268451	Ambient Blank Field ID: Lab ID:	Lab ID: P270338
ALUMINUM	2.0000	50.0000		6620.0000	6430.0000	9180.0000		0.0000 ND		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	28.1000	42.4000	0.0000 ND		0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	61.0000	41.2000	50.2000		0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.4500	0.4500	0.6300		0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.6800	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		79500.0000	45200.0000	50000.0000		57.0000		0.0000 ND
CHROMIUM, TOTAL	1.0000	7.0000		5.9000	5.0000	6.5000		14.0000		0.0000 ND
COBALT	1.0000	7.0000		4.4000	4.9000	4.3000		0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		42.9000	9.6000	24.9000		14.0000		0.0000 ND
IRON	0.8000	7.0000		8830.0000	8000.0000	8870.0000		46.0000		0.0000 ND
LEAD	3.0000	50.0000	400.0000	3.9000	6.7000	5.2000		0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		3170.0000	3390.0000	3620.0000		0.0000 ND		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	113.0000	137.0000	117.0000		0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	7.3000	6.3000	7.9000		0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		1250.0000	1130.0000	1630.0000		0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		58.0000	55.5000	321.0000		146.0000		0.0000 ND
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	26.4000	19.9000	16.6000		0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	44.0000	26.7000	35.2000		17.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-227: Holding Tank ST-227 Building 1037
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-227-01-0306 Lab ID: P268452	Field ID: KAFB-227-01-0810 Lab ID: P268453	Field ID: KAFB-227-01-1820 Lab ID: P268454	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-227-03309 Lab ID: P268451	Ambient Blank Field ID: Lab ID:	Lab ID: P270392
MERCURY	1.0000	0.1000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-227: Holding Tank ST-227 Building 1037
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-227-01-0306 Lab ID: P268452	Field ID: KAFB-227-01-0810 Lab ID: P268453	Field ID: KAFB-227-01-1820 Lab ID: P268454	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-227-03309 Lab ID: P268451	Ambient Blank Field ID: Lab ID:	Lab ID: P273831
GASOLINE COMPONENTS	100.0000	1.0000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-227: Holding Tank ST-227 Building 1037
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-227-01-0306 Lab ID: P268452	Field ID: KAFB-227-01-0810 Lab ID: P268453	Field ID: KAFB-227-01-1820 Lab ID: P268454	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-227-03309 Lab ID: P268451	Ambient Blank Field ID: Lab ID:	Lab ID: P270186
DIESEL COMPONENTS	70.0000	10.0000		450.0000	1800.0000	1600.0000		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-227: Holding Tank ST-227 Building 1037
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-227-01-0306 Lab ID: 1051570001MS	Field ID: KAFB-227-01-0810 Lab ID: 1051570002SA	Field ID: KAFB-227-01-1820 Lab ID: 1051570003SA	Trip Blank Field ID: KAFB-TB-01-033094 Lab ID: 1051570025TB	Equipment Blank Field ID: KAFB-EB-227-03309 Lab ID: 1051570010EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0056	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0056	0.0050	35.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0056	0.0050	123.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0056	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0056	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0056	0.0050	7.6900	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		90.0000 %	93.0000 %	94.0000 %	105.0000 %	106.0000 %		
1,2-DICHLOROPROPANE	0.0056	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		98.0000 %	97.0000 %	99.0000 %	101.0000 %	108.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
2-HEXANONE	0.0110	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ACETONE	0.0110	0.1000	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	21.0000		
BENZENE	0.0056	0.0050	24.1000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0056	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMOFORM	0.0056	0.0050	88.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0110	0.0100	32.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0056	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0056	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0056	N/A	2160.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROFORM	0.0056	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0056	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0056	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	11.0000		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0056	0.0050	93.3000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
STYRENE	0.0056	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0056	0.0050	800.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TOLUENE	0.0056	0.0050	16000.00	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	26.0000		
TOLUENE-D8	N/A	0.0050		106.0000 %	103.0000 %	105.0000 %	98.0000 %	99.0000 %		
TRICHLOROETHYLENE (TCE)	0.0056	0.0050	63.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0110	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0110	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0056	0.0050	160000.0	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0056	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0056	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0056	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-227: Holding Tank ST-227 Building 1037
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-227-01-0306 Lab ID: P268452	Field ID: KAFB-227-01-0810 Lab ID: P268453	Field ID: KAFB-227-01-1820 Lab ID: P268454	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-227-03309 Lab ID: P268451	Ambient Blank Field ID: Lab ID:	Lab ID: P270104
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		45.0000	65.0000	40.0000		50.0000		50.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		29.0000	42.0000	29.0000		28.0000		31.0000
2-FLUOROPHENOL	N/A	N/A		57.0000	86.0000	52.0000		40.0000		59.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-227: Holding Tank ST-227 Building 1037
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-227-01-0306 Lab ID: P268452	Field ID: KAFB-227-01-0810 Lab ID: P268453	Field ID: KAFB-227-01-1820 Lab ID: P268454	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-227-03309 Lab ID: P268451	Ambient Blank Field ID: Lab ID:	Lab ID: P270104
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		30.0000	42.0000	30.0000		30.0000		31.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	920.0000	1400.0000	640.0000		0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		59.0000	90.0000	58.0000		28.0000		64.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		32.0000	48.0000	32.0000		33.0000		34.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	100.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-227: Holding Tank ST-227 Building 1037
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-227-01-0306 Lab ID: P268452	Field ID: KAFB-227-01-0810 Lab ID: P268453	Field ID: KAFB-227-01-1820 Lab ID: P268454	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		7.9000	8.1000	8.8000				

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-227: Holding Tank ST-227 Building 1037
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-227-02-0307 Lab ID: 1051570004SA	Field ID: KAFB-227-02-0812 Lab ID: 1051570005SA	Field ID: KAFB-227-02-1820 Lab ID: 1051570006SA	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		11.2000	2.7000	10.8000				

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-227: Holding Tank ST-227 Building 1037
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: *Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-227-02-0307 Lab ID: P268455	Field ID: KAFB-227-02-0812 Lab ID: P268456	Field ID: KAFB-227-02-1820 Lab ID: P268457	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-227-03309 Lab ID: P268451	Ambient Blank Field ID: Lab ID:	Lab ID: P270338
ALUMINUM	2.0000	50.0000		1970.0000	7380.0000	6490.0000		0.0000 ND		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	44.9000	0.0000 ND		0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	47.6000	48.5000	35.2000		0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.0000 ND	0.4300	0.3200		0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		2530.0000	118000.0000	7140.0000		57.0000		0.0000 ND
CHROMIUM, TOTAL	1.0000	7.0000		3.0000	9.7000	6.7000		14.0000		0.0000 ND
COBALT	1.0000	7.0000		2.1000	4.0000	4.4000		0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		68.2000	121.0000	29.0000		14.0000		0.0000 ND
IRON	0.8000	7.0000		4790.0000	9300.0000	9080.0000		46.0000		0.0000 ND
LEAD	3.0000	50.0000	400.0000	4.1000	6.6000	5.7000		0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		881.0000	3570.0000	2840.0000		0.0000 ND		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	103.0000	138.0000	140.0000		0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	3.9000	8.4000	5.5000		0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		311.0000	1280.0000	1480.0000		0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		79.7000	326.0000	201.0000		146.0000		0.0000 ND
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	10.8000	21.2000	16.9000		0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	36.5000	72.8000	35.3000		17.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-227: Holding Tank ST-227 Building 1037
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-227-02-0307 Lab ID: P268455	Field ID: KAFB-227-02-0812 Lab ID: P268456	Field ID: KAFB-227-02-1820 Lab ID: P268457	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-227-03309 Lab ID: P268451	Ambient Blank Field ID: Lab ID:	Lab ID: P270392
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-227: Holding Tank ST-227 Building 1037
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-227-02-0307 Lab ID: P268455	Field ID: KAFB-227-02-0812 Lab ID: P268456	Field ID: KAFB-227-02-1820 Lab ID: P268457	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-227-03309 Lab ID: P268451	Ambient Blank Field ID: Lab ID:	Lab ID: P273829
GASOLINE COMPONENTS	100.0000	1.0000		0.0000 ND	200.0000	140.0000		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-227: Holding Tank ST-227 Building 1037
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-227-02-0307 Lab ID: P268455	Field ID: KAFB-227-02-0812 Lab ID: P268456	Field ID: KAFB-227-02-1820 Lab ID: P268457	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-227-03309 Lab ID: P268451	Ambient Blank Field ID: Lab ID:	Lab ID: P270186
DIESEL COMPONENTS	70.0000	10.0000		2000.0000	0.0000 ND	2700.0000		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-227: Holding Tank ST-227 Building 1037
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-227-02-0307 Lab ID: 1051570004SA	Field ID: KAFB-227-02-0812 Lab ID: 1051570005SA	Field ID: KAFB-227-02-1820 Lab ID: 1051570006SA	Trip Blank Field ID: KAFB-TB-01-033094 Lab ID: 1051570025TB	Equipment Blank Field ID: KAFB-EB-227-03309 Lab ID: 1051570010EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0056	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0056	0.0050	35.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0056	0.0050	123.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0056	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0056	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0056	0.0050	7.6900	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		96.0000 %	96.0000 %	95.0000 %	105.0000 %	106.0000 %		
1,2-DICHLOROPROPANE	0.0056	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		104.0000 %	102.0000 %	103.0000 %	101.0000 %	108.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
2-HEXANONE	0.0110	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ACETONE	0.0110	0.1000	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	21.0000		
BENZENE	0.0056	0.0050	24.1000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0056	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMOFORM	0.0056	0.0050	88.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0110	0.0100	32.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0056	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0056	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0056	N/A	2160.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROFORM	0.0056	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0056	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0056	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	11.0000		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0056	0.0050	93.3000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
STYRENE	0.0056	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0056	0.0050	800.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TOLUENE	0.0056	0.0050	16000.00	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	26.0000		
TOLUENE-D8	N/A	0.0050		106.0000 %	105.0000 %	107.0000 %	98.0000 %	99.0000 %		
TRICHLOROETHYLENE (TCE)	0.0056	0.0050	63.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0110	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0110	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0056	0.0050	160000.0	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0056	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0056	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0056	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		

Base: KIRTLAND AFB
Site: ST-227: Holding Tank ST-227 Building 1037
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

ANALYTCAL DATA SUMMARY

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-227-02-0307 Lab ID: P268455	Field ID: KAFB-227-02-0812 Lab ID: P268456	Field ID: KAFB-227-02-1820 Lab ID: P268457	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-227-03309 Lab ID: P268451	Ambient Blank Field ID: Lab ID:	Lab ID: P270104
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		35.0000	65.0000	66.0000		50.0000		50.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		29.0000	41.0000	43.0000		28.0000		31.0000
2-FLUOROPHENOL	N/A	N/A		50.0000	94.0000	88.0000		40.0000		59.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-227: Holding Tank ST-227 Building 1037
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-227-02-0307 Lab ID: P268455	Field ID: KAFB-227-02-0812 Lab ID: P268456	Field ID: KAFB-227-02-1820 Lab ID: P268457	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-227-03309 Lab ID: P268451	Ambient Blank Field ID: Lab ID:	Lab ID: P270104
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		29.0000	39.0000	42.0000		30.0000		31.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	330.0000	1500.0000	1200.0000		0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		57.0000	96.0000	93.0000		28.0000		64.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		31.0000	53.0000	54.0000		33.0000		34.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	100.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-227: Holding Tank ST-227 Building 1037
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-227-02-0307 Lab ID: P268455	Field ID: Lab ID: P268455	Field ID: KAFB-227-02-0812 Lab ID: P268456	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.2000		8.9000				
pH	N/A	N/A		8.8000						

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-228: Area Drain ST-228 Building 1040
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-228-01-0510 Lab ID: 0355810010SA	Field ID: KAFB-228-99-0510 Lab ID: 0355810010SA	Field ID: KAFB-228-01-1214 Lab ID: 0355810012SA	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		13.0000	13.0000	3.2000				

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-228: Area Drain ST-228 Building 1040
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-228-01-0510 Lab ID: 0355810010MS	Field ID: KAFB-228-99-0510 Lab ID: 0355810010MS	Field ID: KAFB-228-01-1214 Lab ID: 0355810012SA	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-235-05199 Lab ID: 0355810002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		101.0000 %	98.0000 %	99.0000 %		90.0000 %		
BENZENE	0.0290	N/A	24.1000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
ETHYLBENZENE	0.0290	N/A	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
GASOLINE COMPONENTS	0.5800	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
TOLUENE	0.0290	N/A	16000.00	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
XYLENES, TOTAL	0.0290	N/A	160000.0	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-228: Area Drain ST-228 Building 1040
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-228-01-0510 Lab ID: P273422	Field ID: KAFB-228-01-1214 Lab ID: P273424	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-235-05199 Lab ID: P273415	Ambient Blank Field ID: Lab ID:	Lab ID: P274891
ALUMINUM	2.0000	50.0000		5120.0000	3820.0000			0.0000 ND		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	6.7000	10.6000			0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	134.0000	134.0000			0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.3200	0.3100			0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		19900.0000	34800.0000			24.0000		0.0000 ND
CHROMIUM, TOTAL	1.0000	7.0000		6.0000	4.0000			0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		3.8000	4.3000			0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		13.9000	40.9000			20.0000		0.0000 ND
IRON	0.8000	7.0000		8000.0000	9640.0000			11.0000		0.0000 ND
LEAD	3.0000	50.0000	400.0000	6.7000	3.7000			0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		3180.0000	3400.0000			0.0000 ND		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	137.0000	208.0000			0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		2.9000
NICKEL	3.0000	15.0000	1600.000	3.9000	5.8000			0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		833.0000	1030.0000			0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		85.1000	150.0000			83.0000		5.3000
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	20.4000	18.0000			0.0000 ND		0.5000
ZINC	0.7000	2.0000	24000.00	20.7000	35.0000			15.0000		0.7000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-228: Area Drain ST-228 Building 1040
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-228-01-0510 Lab ID: P273422	Field ID: KAFB-228-01-1214 Lab ID: P273424	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-235-05199 Lab ID: P273415	Ambient Blank Field ID: Lab ID:	Lab ID: P275208
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-228: Area Drain ST-228 Building 1040
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-228-01-0510 Lab ID: P273422	Field ID: KAFB-228-01-1214 Lab ID: P273424	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-235-05199 Lab ID: P273415	Ambient Blank Field ID: Lab ID:	Lab ID: P274908
DIESEL COMPONENTS	70.0000	10.0000		930.0000	490.0000			0.0000 ND		0.0000 ND
PENTACOSANE	N/A	N/A		2270.0000	2150.0000			59.0000		2010.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-228: Area Drain ST-228 Building 1040
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-228-01-0510 Lab ID: 0355810010MS	Field ID: KAFB-228-99-0510 Lab ID: 0355810010MS	Field ID: KAFB-228-01-1214 Lab ID: 0355810012SA	Trip Blank Field ID: KAFB-TB-01-051994 Lab ID: 0355810001TB	Equipment Blank Field ID: KAFB-EB-235-05199 Lab ID: 0355810002EB	Ambient Blank Field ID: KAFB-AB-235-05199 Lab ID: 0355810004AB	Lab ID:
1,1,1-TRICHLOROETHANE	0.0035	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
1,1,2,2-TETRACHLOROETHANE	0.0058	0.0050	35.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
1,1,2-TRICHLOROETHANE	0.0058	0.0050	123.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
1,1-DICHLOROETHANE	0.0046	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
1,1-DICHLOROETHENE	0.0058	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
1,2-DICHLOROETHANE	0.0046	0.0050	7.6900	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
1,2-DICHLOROETHANE-D4	N/A	N/A		94.0000 %	98.0000 %	98.0000 %	93.0000 %	97.0000 %	98.0000 %	
1,2-DICHLOROPROPANE	0.0035	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		97.0000 %	99.0000 %	89.0000 %	98.0000 %	100.0000 %	99.0000 %	
2-CHLOROETHYL VINYL ETHER	0.0120	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
2-HEXANONE	0.0120	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
ACETONE	0.0120	0.1000	8000.000	0.0092 TR	0.0081 TR	0.0023 TR	0.0000 ND	3.4000 TR	2.0000 TR	
BENZENE	0.0023	0.0050	24.1000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
BROMODICHLOROMETHANE	0.0023	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
BROMOFORM	0.0058	0.0050	88.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
BROMOMETHANE	0.0046	0.0100	32.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
CARBON DISULFIDE	0.0058	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
CARBON TETRACHLORIDE	0.0035	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
CHLOROBENZENE	0.0023	N/A	2160.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
CHLOROETHANE	0.0120	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
CHLOROFORM	0.0023	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
CHLOROMETHANE	0.0069	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
DIBROMOCHLOROMETHANE	0.0046	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
ETHYLBENZENE	0.0023	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
METHYL ETHYL KETONE (2-BUTANONE)	0.0120	0.1000	48000.00	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0120	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
METHYLENE CHLORIDE	0.0035	0.0050	93.3000	0.0057	0.0052	0.0055	6.7000 =	6.6000	6.4000	
STYRENE	0.0058	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
TETRACHLOROETHYLENE(PCE)	0.0023	0.0050	800.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
TOLUENE	0.0035	0.0050	16000.00	0.0000 ND	0.0042	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
TOLUENE-D8	N/A	0.0050		99.0000 %	98.0000 %	99.0000 %	99.0000 %	96.0000 %	96.0000 %	
TRICHLOROETHYLENE (TCE)	0.0035	0.0050	63.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
VINYL ACETATE	0.0081	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
VINYL CHLORIDE	0.0046	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
XYLENES, TOTAL	0.0058	0.0050	160000.0	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
cis-1,3-DICHLOROPROPENE	0.0058	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
trans-1,2-DICHLOROETHENE	0.0058	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
trans-1,3-DICHLOROPROPENE	0.0035	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-228: Area Drain ST-228 Building 1040
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-228-01-0510 Lab ID: P273422	Field ID: KAFB-228-01-1214 Lab ID: P273424	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-235-05199 Lab ID: P273415	Ambient Blank Field ID: Lab ID:	Lab ID: P274906
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		80.0000	80.0000			85.0000		90.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		38.0000	38.0000			38.0000		42.0000
2-FLUOROPHENOL	N/A	N/A		65.0000	65.0000			53.0000		70.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-228: Area Drain ST-228 Building 1040
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-228-01-0510 Lab ID: P273422	Field ID: KAFB-228-01-1214 Lab ID: P273424	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-235-05199 Lab ID: P273415	Ambient Blank Field ID: Lab ID:	Lab ID: P274906
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	500.0000	320.0000			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		37.0000	36.0000			40.0000		40.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	150.0000	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		70.0000	70.0000			37.0000		80.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		42.0000	42.0000			42.0000		44.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	100.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-228: Area Drain ST-228 Building 1040
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-228-01-0510 Lab ID: P273422	Field ID: KAFB-228-01-1214 Lab ID: P273424	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.3000	8.8000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-229: Sewage Ejector Unit ST229 Bldg 1043
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-229-01-1418 Lab ID: 0354020011SA	Field ID: KAFB-229-01-2126 Lab ID: 0354020013SA	Field ID: Lab ID: 0354020013SA	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		15.0000	10.0000					
MOISTURE, PERCENT	0.1000	N/A		15.0000						

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-229: Sewage Ejector Unit ST229 Bldg 1043
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-229-01-1418 Lab ID: 0354020011SA	Field ID: KAFB-229-01-2126 Lab ID: 0354020013MS	Field ID: KAFB-229-99-1418 Lab ID: 0354020011SA	Trip Blank Field ID: KAFB-TB-01-051194 Lab ID: 0354020009TB	Equipment Blank Field ID: KAFB-EB-229-05119 Lab ID: 0354020010EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		94.0000 %	86.0000 %	87.0000 %	107.0000 %	106.0000 %		
BENZENE	0.0290	N/A	24.1000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0290	N/A	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
GASOLINE COMPONENTS	0.5900	N/A		0.0000 ND	0.0000 ND	0.0000 ND	6.4000 TR	5.4000 TR		
TOLUENE	0.0290	N/A	16000.00	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0290	N/A	160000.0	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-229: Sewage Ejector Unit ST229 Bldg 1043
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-229-01-1418 Lab ID: P272492	Field ID: KAFB-229-01-2126 Lab ID: P272494	Field ID: KAFB-229-99-1418 Lab ID: P272492	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-229-05119 Lab ID: P272491	Ambient Blank Field ID: Lab ID:	Lab ID: P274997
ALUMINUM	2.0000	50.0000		5810.0000	15900.0000	5520.0000		0.0000 ND		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	7.7000	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	161.0000	97.1000	96.8000		0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.4300	0.9500	0.3300		0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		27100.0000	40100.0000	36300.0000		0.0000 ND		2.2000
CHROMIUM, TOTAL	1.0000	7.0000		5.3000	16.2000	7.1000		0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		6.0000	9.6000	4.3000		0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		55.7000	69.2000	108.0000		3.0000		0.0000 ND
IRON	0.8000	7.0000		11900.0000	22000.0000	11200.0000		0.0000 ND		1.2000
LEAD	3.0000	50.0000	400.0000	5.2000	12.6000	5.2000		0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		4200.0000	8530.0000	3670.0000		0.0000 ND		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	241.0000	458.0000	200.0000		0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	5.3000	39.2000	46.9000		0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		1330.0000	2430.0000	1200.0000		0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		78.1000	154.0000	84.6000		90.0000		5.7000
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	21.7000	35.0000	21.0000		0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	44.0000	74.7000	59.6000		8.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-229: Sewage Ejector Unit ST229 Bldg 1043
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-229-01-1418 Lab ID: P272492	Field ID: KAFB-229-01-2126 Lab ID: P272494	Field ID: KAFB-229-99-1418 Lab ID: P272492	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-229-05119 Lab ID: P272491	Ambient Blank Field ID: Lab ID:	Lab ID: P274985
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-229: Sewage Ejector Unit ST229 Bldg 1043
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-229-01-1418 Lab ID: P272492	Field ID: KAFB-229-01-2126 Lab ID: P272494	Field ID: KAFB-229-99-1418 Lab ID: P272492	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-229-05119 Lab ID: P272491	Ambient Blank Field ID: Lab ID:	Lab ID: P275031
DIESEL COMPONENTS	70.0000	10.0000		430.0000	320.0000	580.0000		70.0000		0.0000 ND
PENTACOSANE	N/A	N/A		2040.0000	2200.0000	1980.0000		62.0000		1930.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-229: Sewage Ejector Unit ST229 Bldg 1043
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-229-01-1418 Lab ID: 0354020011SA	Field ID: KAFB-229-01-2126 Lab ID: 0354020013MS	Field ID: KAFB-229-99-1418 Lab ID: 0354020011SA	Trip Blank Field ID: KAFB-TB-01-051194 Lab ID: 0354020009TB	Equipment Blank Field ID: KAFB-EB-229-05119 Lab ID: 0354020010EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0035	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0059	0.0050	35.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0059	0.0050	123.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0047	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0059	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0047	0.0050	7.6900	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		101.0000 %	102.0000 %	91.0000 %	104.0000 %	105.0000 %		
1,2-DICHLOROPROPANE	0.0035	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		104.0000 %	98.0000 %	96.0000 %	105.0000 %	104.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0120	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
2-HEXANONE	0.0120	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ACETONE	0.0120	0.1000	8000.000	0.0055 TR	0.0140	0.0041 TR	0.0000 ND	0.0000 ND		
BENZENE	0.0024	0.0050	24.1000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0024	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMOFORM	0.0059	0.0050	88.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0047	0.0100	32.0000	0.0000 ND	0.0000 ND	0.0029 TR	0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0059	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0035	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0024	N/A	2160.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0120	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROFORM	0.0024	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0071	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0047	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0024	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0120	0.1000	48000.00	0.0063 TR	0.0100 TR	0.0000 ND	0.0000 ND	4.0000 TR		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0120	0.0500		0.0000 ND	0.0000 ND	0.0033 TR	0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0035	0.0050	93.3000	0.0023 TR	0.0035	0.0021 TR	1.7000 TR	0.0000 ND		
STYRENE	0.0059	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0024	0.0050	800.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TOLUENE	0.0035	0.0050	16000.00	0.0000 ND	0.0037	0.0091	0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		99.0000 %	99.0000 %	100.0000 %	97.0000 %	96.0000 %		
TRICHLOROETHYLENE (TCE)	0.0035	0.0050	63.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0082	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0047	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0059	0.0050	160000.0	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0059	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0059	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0035	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-229: Sewage Ejector Unit ST229 Bldg 1043
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-229-01-1418 Lab ID: P272492	Field ID: KAFB-229-01-2126 Lab ID: P272494	Field ID: KAFB-229-99-1418 Lab ID: P272492	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-229-05119 Lab ID: P272491	Ambient Blank Field ID: Lab ID:	Lab ID: P275029
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	600.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		46.0000	50.0000	42.0000		100.0000		80.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		42.0000	43.0000	42.0000		70.0000		43.0000
2-FLUOROPHENOL	N/A	N/A		70.0000	75.0000	70.0000		90.0000		75.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-229: Sewage Ejector Unit ST229 Bldg 1043
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-229-01-1418 Lab ID: P272492	Field ID: KAFB-229-01-2126 Lab ID: P272494	Field ID: KAFB-229-99-1418 Lab ID: P272492	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-229-05119 Lab ID: P272491	Ambient Blank Field ID: Lab ID:	Lab ID: P275029
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		40.0000	40.0000	40.0000		75.0000		40.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	180.0000	0.0000 ND		0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		85.0000	90.0000	85.0000		80.0000		85.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		36.0000	38.0000	37.0000		65.0000		46.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	100.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-229: Sewage Ejector Unit ST229 Bldg 1043
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-229-01-1418 Lab ID: P272492	Field ID: KAFB-229-01-2126 Lab ID: P272494	Field ID: Lab ID: P272494	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.6000	8.3000					
pH	N/A	N/A		8.6000						

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-229: Sewage Ejector Unit ST229 Bldg 1043
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-229-02-1416 Lab ID: 0354420003SA	Field ID: Lab ID: 0354420003SA	Field ID: KAFB-229-02-2123 Lab ID: 0354420004SA	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		11.0000		19.0000				

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-229: Sewage Ejector Unit ST229 Bldg 1043
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-229-02-1416 Lab ID: 0354420003SA	Field ID: KAFB-229-02-2123 Lab ID: 0354420004SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-051394 Lab ID: 0354420001TB	Equipment Blank Field ID: KAFB-EB-229-05139 Lab ID: 0354420002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		88.0000 %	90.0000 %		106.0000 %	106.0000 %		
BENZENE	0.0280	N/A	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0280	N/A	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
GASOLINE COMPONENTS	0.5600	N/A		0.0000 ND	0.0000 ND		6.6000 TR	0.0000 ND		
TOLUENE	0.0280	N/A	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0280	N/A	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-229: Sewage Ejector Unit ST229 Bldg 1043
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-229-02-1416 Lab ID: P273064	Field ID: KAFB-229-02-2123 Lab ID: P273065	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-229-05139 Lab ID: P273063	Ambient Blank Field ID: Lab ID:	Lab ID: P273950
ALUMINUM	2.0000	50.0000		7500.0000	16500.0000			0.0000 ND		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	243.0000	70.9000			0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.4300	1.1000			0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		39700.0000	49700.0000			26.0000		0.0000 ND
CHROMIUM, TOTAL	1.0000	7.0000		10.3000	17.0000			0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		7.6000	9.2000			0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		44.7000	31.4000			12.0000		0.0000 ND
IRON	0.8000	7.0000		16500.0000	22600.0000			17.0000		0.0000 ND
LEAD	3.0000	50.0000	400.0000	6.0000	13.8000			0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		5170.0000	9540.0000			0.0000 ND		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	277.0000	494.0000			0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	7.5000	20.5000			0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		1690.0000	2390.0000			0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		84.1000	188.0000			69.0000		0.0000 ND
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	31.3000	36.1000			0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	46.4000	62.0000			12.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-229: Sewage Ejector Unit ST229 Bldg 1043
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-229-02-1416 Lab ID: P273064	Field ID: KAFB-229-02-2123 Lab ID: P273065	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-229-05139 Lab ID: P273063	Ambient Blank Field ID: Lab ID:	Lab ID: P274879
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-229: Sewage Ejector Unit ST229 Bldg 1043
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-229-02-1416 Lab ID: P273064	Field ID: KAFB-229-02-2123 Lab ID: P273065	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-229-05139 Lab ID: P273063	Ambient Blank Field ID: Lab ID:	Lab ID: P273921
DIESEL COMPONENTS	70.0000	10.0000		620.0000	620.0000			130.0000		0.0000 ND
PENTACOSANE	N/A	N/A		2950.0000	2900.0000			106.0000		3080.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-229: Sewage Ejector Unit ST229 Bldg 1043
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-229-02-1416 Lab ID: 0354420003SA	Field ID: KAFB-229-02-2123 Lab ID: 0354420004SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-051394 Lab ID: 0354420001TB	Equipment Blank Field ID: KAFB-EB-229-05139 Lab ID: 0354420002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0034	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0056	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0056	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0045	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0056	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0045	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		84.0000 %	82.0000 %		85.0000 %	85.0000 %		
1,2-DICHLOROPROPANE	0.0034	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		97.0000 %	97.0000 %		100.0000 %	102.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ACETONE	0.0110	0.1000	8000.000	0.0140	0.0075 TR		3.3000 TR	3.3000 TR		
BENZENE	0.0022	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0022	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0056	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0045	0.0100	32.0000	0.0000 ND	0.0000 ND		3.3000 TR	3.7000 TR		
CARBON DISULFIDE	0.0056	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0034	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0022	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0022	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0067	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0045	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0022	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0034	0.0050	93.3000	0.0014 TR	0.0026 TR		1.2000 TR	0.0000 ND		
STYRENE	0.0056	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0022	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0034	0.0050	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		102.0000 %	101.0000 %		101.0000 %	103.0000 %		
TRICHLOROETHYLENE (TCE)	0.0034	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0078	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0045	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0056	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0056	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0056	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0034	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-229: Sewage Ejector Unit ST229 Bldg 1043
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-229-02-1416 Lab ID: P273064	Field ID: KAFB-229-02-2123 Lab ID: P273065	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-229-05139 Lab ID: P273063	Ambient Blank Field ID: Lab ID:	Lab ID: P273972
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		80.0000	80.0000			95.0000		80.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		36.0000	36.0000			46.0000		38.0000
2-FLUOROPHENOL	N/A	N/A		65.0000	65.0000			55.0000		70.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-229: Sewage Ejector Unit ST229 Bldg 1043
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-229-02-1416 Lab ID: P273064	Field ID: KAFB-229-02-2123 Lab ID: P273065	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-229-05139 Lab ID: P273063	Ambient Blank Field ID: Lab ID:	Lab ID: P273972
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	230.0000	340.0000			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		34.0000	36.0000			46.0000		36.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		70.0000	75.0000			45.0000		80.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		38.0000	38.0000			55.0000		42.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	100.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-229: Sewage Ejector Unit ST229 Bldg 1043
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-229-02-1416 Lab ID: P273064	Field ID: Lab ID: P273064	Field ID: KAFB-229-02-2123 Lab ID: P273065	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.4000		8.4000				

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-229: Sewage Ejector Unit ST229 Bldg 1043
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-229-03-1416 Lab ID: 0354420005SA	Field ID: KAFB-229-03-2123 Lab ID: 0354420006SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		7.8000	16.0000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-229: Sewage Ejector Unit ST229 Bldg 1043
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-229-03-1416 Lab ID: 0354420005SA	Field ID: KAFB-229-03-2123 Lab ID: 0354420006SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-051394 Lab ID: 0354420001TB	Equipment Blank Field ID: KAFB-EB-229-05139 Lab ID: 0354420002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		95.0000 %	97.0000 %		106.0000 %	106.0000 %		
BENZENE	0.0270	N/A	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0270	N/A	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
GASOLINE COMPONENTS	0.5400	N/A		0.0000 ND	0.0000 ND		6.6000 TR	0.0000 ND		
TOLUENE	0.0270	N/A	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0270	N/A	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-229: Sewage Ejector Unit ST229 Bldg 1043
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: *Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-229-03-1416 Lab ID: P273066	Field ID: KAFB-229-03-2123 Lab ID: P273067	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-229-05139 Lab ID: P273063	Ambient Blank Field ID: Lab ID:	Lab ID: P273950
ALUMINUM	2.0000	50.0000		6470.0000	11400.0000			0.0000 ND		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	118.0000	234.0000			0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.3200	0.6900			0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		55400.0000	34900.0000			26.0000		0.0000 ND
CHROMIUM, TOTAL	1.0000	7.0000		9.8000	18.5000			0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		5.4000	7.4000			0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		39.6000	55.2000			12.0000		0.0000 ND
IRON	0.8000	7.0000		12900.0000	15500.0000			17.0000		0.0000 ND
LEAD	3.0000	50.0000	400.0000	3.8000	8.2000			0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		4230.0000	6370.0000			0.0000 ND		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	219.0000	330.0000			0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	6.7000	83.0000			0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		1480.0000	2100.0000			0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		74.0000	184.0000			69.0000		0.0000 ND
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	24.4000	26.6000			0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	40.5000	58.1000			12.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-229: Sewage Ejector Unit ST229 Bldg 1043
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-229-03-1416 Lab ID: P273066	Field ID: KAFB-229-03-2123 Lab ID: P273067	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-229-05139 Lab ID: P273063	Ambient Blank Field ID: Lab ID:	Lab ID: P274879
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-229: Sewage Ejector Unit ST229 Bldg 1043
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-229-03-1416 Lab ID: P273066	Field ID: KAFB-229-03-2123 Lab ID: P273067	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-229-05139 Lab ID: P273063	Ambient Blank Field ID: Lab ID:	Lab ID: P273921
DIESEL COMPONENTS	70.0000	10.0000		780.0000	720.0000			130.0000		0.0000 ND
PENTACOSANE	N/A	N/A		2820.0000	3760.0000			106.0000		3080.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-229: Sewage Ejector Unit ST229 Bldg 1043
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-229-03-1416 Lab ID: 0354420005SA	Field ID: KAFB-229-03-2123 Lab ID: 0354420006SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-051394 Lab ID: 0354420001TB	Equipment Blank Field ID: KAFB-EB-229-05139 Lab ID: 0354420002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0054	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0054	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0043	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0054	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0043	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		100.0000 %	98.0000 %		85.0000 %	85.0000 %		
1,2-DICHLOROPROPANE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		100.0000 %	106.0000 %		100.0000 %	102.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ACETONE	0.0110	0.1000	8000.000	0.0071 TR	0.0110 TR		3.3000 TR	3.3000 TR		
BENZENE	0.0022	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0022	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0054	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0043	0.0100	32.0000	0.0000 ND	0.0000 ND		3.3000 TR	3.7000 TR		
CARBON DISULFIDE	0.0054	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0022	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0022	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0065	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0043	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0022	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0000 ND	0.0067 TR		0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0033	0.0050	93.3000	0.0017 TR	0.0021 TR		1.2000 TR	0.0000 ND		
STYRENE	0.0054	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0022	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0033	0.0050	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		100.0000 %	101.0000 %		101.0000 %	103.0000 %		
TRICHLOROETHYLENE (TCE)	0.0033	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0076	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0043	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0054	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0054	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0054	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-229: Sewage Ejector Unit ST229 Bldg 1043
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-229-03-1416 Lab ID: P273066	Field ID: KAFB-229-03-2123 Lab ID: P273067	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-229-05139 Lab ID: P273063	Ambient Blank Field ID: Lab ID:	Lab ID: P273972
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		80.0000	80.0000			95.0000		80.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		38.0000	39.0000			46.0000		38.0000
2-FLUOROPHENOL	N/A	N/A		70.0000	70.0000			55.0000		70.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-229: Sewage Ejector Unit ST229 Bldg 1043
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-229-03-1416 Lab ID: P273066	Field ID: KAFB-229-03-2123 Lab ID: P273067	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-229-05139 Lab ID: P273063	Ambient Blank Field ID: Lab ID:	Lab ID: P273972
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	280.0000	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		36.0000	36.0000			46.0000		36.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	160.0000			0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		75.0000	80.0000			45.0000		80.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		40.0000	40.0000			55.0000		42.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	N/A	0.7000		0.0000	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-229: Sewage Ejector Unit ST229 Bldg 1043
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-229-03-1416 Lab ID: P273066	Field ID: KAFB-229-03-2123 Lab ID: P273067	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.5000	8.5000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-229: Sewage Ejector Unit ST229 Bldg 1043
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-229-04-1416 Lab ID: 0354420007SA	Field ID: KAFB-229-04-2123 Lab ID: 0354420008SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		5.0000	20.0000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-229: Sewage Ejector Unit ST229 Bldg 1043
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-229-04-1416 Lab ID: 0354420007SA	Field ID: KAFB-229-04-2123 Lab ID: 0354420008SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-051394 Lab ID: 0354420001TB	Equipment Blank Field ID: KAFB-EB-229-05139 Lab ID: 0354420002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		97.0000 %	96.0000 %		106.0000 %	106.0000 %		
BENZENE	0.0260	N/A	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0260	N/A	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
GASOLINE COMPONENTS	0.5300	N/A		0.0000 ND	0.0000 ND		6.6000 TR	0.0000 ND		
TOLUENE	0.0260	N/A	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0260	N/A	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-229: Sewage Ejector Unit ST229 Bldg 1043
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-229-04-1416 Lab ID: P273068	Field ID: KAFB-229-04-2123 Lab ID: P273069	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-229-05139 Lab ID: P273063	Ambient Blank Field ID: Lab ID:	Lab ID: P273950
ALUMINUM	2.0000	50.0000		7750.0000	15000.0000			0.0000 ND		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	147.0000	125.0000			0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.4300	0.9200			0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		25900.0000	35500.0000			26.0000		0.0000 ND
CHROMIUM, TOTAL	1.0000	7.0000		8.6000	16.6000			0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		7.1000	9.2000			0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		30.5000	55.2000			12.0000		0.0000 ND
IRON	0.8000	7.0000		15500.0000	20100.0000			17.0000		0.0000 ND
LEAD	3.0000	50.0000	400.0000	4.7000	8.9000			0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		5340.0000	7810.0000			0.0000 ND		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	302.0000	367.0000			0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	7.5000	46.1000			0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		1980.0000	2390.0000			0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		99.0000	266.0000			69.0000		0.0000 ND
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	28.5000	33.7000			0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	45.3000	62.3000			12.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-229: Sewage Ejector Unit ST229 Bldg 1043
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-229-04-1416 Lab ID: P273068	Field ID: KAFB-229-04-2123 Lab ID: P273069	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-229-05139 Lab ID: P273063	Ambient Blank Field ID: Lab ID:	Lab ID: P274879
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-229: Sewage Ejector Unit ST229 Bldg 1043
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-229-04-1416 Lab ID: P273068	Field ID: KAFB-229-04-2123 Lab ID: P273069	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-229-05139 Lab ID: P273063	Ambient Blank Field ID: Lab ID:	Lab ID: P273921
DIESEL COMPONENTS	70.0000	10.0000		860.0000	720.0000			130.0000		0.0000 ND
PENTACOSANE	N/A	N/A		2820.0000	3480.0000			106.0000		3080.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-229: Sewage Ejector Unit ST229 Bldg 1043
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-229-04-1416 Lab ID: 0354420007SA	Field ID: KAFB-229-04-2123 Lab ID: 0354420008SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-051394 Lab ID: 0354420001TB	Equipment Blank Field ID: KAFB-EB-229-05139 Lab ID: 0354420002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0032	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0053	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0053	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0042	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0053	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0042	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		102.0000 %	97.0000 %		85.0000 %	85.0000 %		
1,2-DICHLOROPROPANE	0.0032	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		103.0000 %	102.0000 %		100.0000 %	102.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ACETONE	0.0110	0.1000	8000.000	0.0000 ND	0.0110 TR		3.3000 TR	3.3000 TR		
BENZENE	0.0021	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0021	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0053	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0042	0.0100	32.0000	0.0000 ND	0.0000 ND		3.3000 TR	3.7000 TR		
CARBON DISULFIDE	0.0053	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0032	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0021	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0021	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0063	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0042	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0021	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0031 TR	0.0062 TR		0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0032	0.0050	93.3000	0.0014 TR	0.0024 TR		1.2000 TR	0.0000 ND		
STYRENE	0.0053	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0021	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0032	0.0050	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		99.0000 %	99.0000 %		101.0000 %	103.0000 %		
TRICHLOROETHYLENE (TCE)	0.0032	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0074	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0042	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0053	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0053	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0053	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0032	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-229: Sewage Ejector Unit ST229 Bldg 1043
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-229-04-1416 Lab ID: P273068	Field ID: KAFB-229-04-2123 Lab ID: P273069	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-229-05139 Lab ID: P273063	Ambient Blank Field ID: Lab ID:	Lab ID: P273972
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		80.0000	80.0000			95.0000		80.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		38.0000	39.0000			46.0000		38.0000
2-FLUOROPHENOL	N/A	N/A		70.0000	70.0000			55.0000		70.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-229: Sewage Ejector Unit ST229 Bldg 1043
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-229-04-1416 Lab ID: P273068	Field ID: KAFB-229-04-2123 Lab ID: P273069	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-229-05139 Lab ID: P273063	Ambient Blank Field ID: Lab ID:	Lab ID: P273972
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		37.0000	38.0000			46.0000		36.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	160.0000			0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		75.0000	80.0000			45.0000		80.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		40.0000	40.0000			55.0000		42.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	100.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-229: Sewage Ejector Unit ST229 Bldg 1043
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-229-04-1416 Lab ID: P273068	Field ID: KAFB-229-04-2123 Lab ID: P273069	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.5000	8.5000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-229: Sewage Ejector Unit ST229 Bldg 1043
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-229-05-1416 Lab ID: 0354420009SA	Field ID: KAFB-229-05-2124 Lab ID: 0354420010SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		5.6000	25.0000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-229: Sewage Ejector Unit ST229 Bldg 1043
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-229-05-1416 Lab ID: 0354420009SA	Field ID: KAFB-229-05-2124 Lab ID: 0354420010MS	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-051394 Lab ID: 0354420001TB	Equipment Blank Field ID: KAFB-EB-229-05139 Lab ID: 0354420002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		89.0000 %	97.0000 %		106.0000 %	106.0000 %		
BENZENE	0.0260	N/A	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0260	N/A	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
GASOLINE COMPONENTS	0.5300	N/A		0.0000 ND	0.0000 ND		6.6000 TR	0.0000 ND		
TOLUENE	0.0260	N/A	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0260	N/A	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-229: Sewage Ejector Unit ST229 Bldg 1043
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: *Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-229-05-1416 Lab ID: P273070	Field ID: KAFB-229-05-2124 Lab ID: P273071	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-229-05139 Lab ID: P273063	Ambient Blank Field ID: Lab ID:	Lab ID: P273950
ALUMINUM	2.0000	50.0000		8320.0000	9830.0000			0.0000 ND		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	199.0000	125.0000			0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.4500	0.6500			0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		39100.0000	37700.0000			26.0000		0.0000 ND
CHROMIUM, TOTAL	1.0000	7.0000		8.9000	11.0000			0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		7.5000	7.4000			0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		33.3000	30.5000			12.0000		0.0000 ND
IRON	0.8000	7.0000		17300.0000	15000.0000			17.0000		0.0000 ND
LEAD	3.0000	50.0000	400.0000	6.9000	7.9000			0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		5240.0000	5710.0000			0.0000 ND		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	304.0000	313.0000			0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	8.4000	101.0000			0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		2160.0000	1720.0000			0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		106.0000	221.0000			69.0000		0.0000 ND
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	32.7000	25.7000			0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	46.5000	42.9000			12.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-229: Sewage Ejector Unit ST229 Bldg 1043
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-229-05-1416 Lab ID: P273070	Field ID: KAFB-229-05-2124 Lab ID: P273071	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-229-05139 Lab ID: P273063	Ambient Blank Field ID: Lab ID:	Lab ID: P274879
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-229: Sewage Ejector Unit ST229 Bldg 1043
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-229-05-1416 Lab ID: P273070	Field ID: KAFB-229-05-2124 Lab ID: P273071	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-229-05139 Lab ID: P273063	Ambient Blank Field ID: Lab ID:	Lab ID: P273921
DIESEL COMPONENTS	70.0000	10.0000		1100.0000	950.0000			130.0000		0.0000 ND
PENTACOSANE	N/A	N/A		2780.0000	3130.0000			106.0000		3080.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-229: Sewage Ejector Unit ST229 Bldg 1043
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-229-05-1416 Lab ID: 0354420009SA	Field ID: KAFB-229-05-2124 Lab ID: 0354420010MS	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-051394 Lab ID: 0354420001TB	Equipment Blank Field ID: KAFB-EB-229-05139 Lab ID: 0354420002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0032	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0053	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0053	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0042	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0053	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0042	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		102.0000 %	79.0000 %		85.0000 %	85.0000 %		
1,2-DICHLOROPROPANE	0.0032	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		103.0000 %	98.0000 %		100.0000 %	102.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ACETONE	0.0110	0.1000	8000.000	0.0073 TR	0.0068 TR		3.3000 TR	3.3000 TR		
BENZENE	0.0021	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0021	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0053	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0042	0.0100	32.0000	0.0000 ND	0.0000 ND		3.3000 TR	3.7000 TR		
CARBON DISULFIDE	0.0053	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0032	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0021	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0021	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0064	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0042	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0021	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0029 TR	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0032	0.0050	93.3000	0.0014 TR	0.0000 ND		1.2000 TR	0.0000 ND		
STYRENE	0.0053	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0021	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0032	0.0050	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		99.0000 %	101.0000 %		101.0000 %	103.0000 %		
TRICHLOROETHYLENE (TCE)	0.0032	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0074	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0042	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0053	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0053	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0053	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0032	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-229: Sewage Ejector Unit ST229 Bldg 1043
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-229-05-1416 Lab ID: P273070	Field ID: KAFB-229-05-2124 Lab ID: P273071	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-229-05139 Lab ID: P273063	Ambient Blank Field ID: Lab ID:	Lab ID: P273972
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		80.0000	80.0000			95.0000		80.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		39.0000	39.0000			46.0000		38.0000
2-FLUOROPHENOL	N/A	N/A		70.0000	70.0000			55.0000		70.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-229: Sewage Ejector Unit ST229 Bldg 1043
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-229-05-1416 Lab ID: P273070	Field ID: KAFB-229-05-2124 Lab ID: P273071	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-229-05139 Lab ID: P273063	Ambient Blank Field ID: Lab ID:	Lab ID: P273972
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		38.0000	38.0000			46.0000		36.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	160.0000			0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		80.0000	80.0000			45.0000		80.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		41.0000	40.0000			55.0000		42.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	100.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-229: Sewage Ejector Unit ST229 Bldg 1043
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-229-05-1416 Lab ID: P273070	Field ID: KAFB-229-05-2124 Lab ID: P273071	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.4000	8.7000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-229: Sewage Ejector Unit ST229 Bldg 1043
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-229-06-2830 Lab ID: 0366690007SA	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		12.0000						

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-229: Sewage Ejector Unit ST229 Bldg 1043
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-229-06-2830 Lab ID: 0366690007SA	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-070594 Lab ID: 0366690001TB	Equipment Blank Field ID: KAFB-EB-264-07059 Lab ID: 0366690002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0034	0.0050		0.0000 ND			0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0057	0.0050	35.0000	0.0000 ND			0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0057	0.0050	123.0000	0.0000 ND			0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0046	0.0050		0.0000 ND			0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0057	0.0050		0.0000 ND			0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0046	0.0050	7.6900	0.0000 ND			0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		120.0000 %			109.0000 %	111.0000 %		
1,2-DICHLOROPROPANE	0.0034	0.0050		0.0000 ND			0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		100.0000 %			102.0000 %	105.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND			0.0000 ND	0.0000 ND		
2-HEXANONE	0.0110	0.0500		0.0000 ND			0.0000 ND	0.0000 ND		
ACETONE	0.0110	0.1000	8000.000	0.0210			7.9000 TR	21.0000		
BENZENE	0.0023	0.0050	24.1000	0.0000 ND			0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0023	0.0050		0.0000 ND			0.0000 ND	0.0000 ND		
BROMOFORM	0.0057	0.0050	88.6000	0.0000 ND			0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0046	0.0100	32.0000	0.0000 ND			0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0057	0.0050	8000.000	0.0000 ND			0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0034	0.0050		0.0000 ND			0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0023	N/A	2160.000	0.0000 ND			0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0110	0.0100		0.0000 ND			0.0000 ND	0.0000 ND		
CHLOROFORM	0.0023	0.0050		0.0000 ND			0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0069	0.0100		0.0000 ND			0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0046	0.0050		0.0000 ND			0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0023	0.0050	8000.000	0.0000 ND			0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0034 TR			0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0000 ND			0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0034	0.0050	93.3000	0.0072			4.4000 =	4.6000		
STYRENE	0.0057	0.0050		0.0000 ND			0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0023	0.0050	800.0000	0.0000 ND			0.0000 ND	0.0000 ND		
TOLUENE	0.0034	0.0050	16000.00	0.0000 ND			0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		114.0000 %			97.0000 %	101.0000 %		
TRICHLOROETHYLENE (TCE)	0.0034	0.0050	63.6000	0.0000 ND			0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0080	0.0500		0.0000 ND			0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0046	0.0100		0.0000 ND			0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0057	0.0050	160000.0	0.0000 ND			0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0057	0.0050		0.0000 ND			0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0057	0.0050		0.0000 ND			0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0034	0.0050		0.0000 ND			0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-229: Sewage Ejector Unit ST229 Bldg 1043
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-229-99-1416 Lab ID: P278814	Field ID: KAFB-229-06-1416 Lab ID: P278814	Field ID: KAFB-229-06-2123 Lab ID: P278815	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-264-07059 Lab ID: P278808	Ambient Blank Field ID: Lab ID:	Lab ID:
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND				0.0000 ND		
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND				0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-230: Oil/Water Separator ST230 Bldg 1046
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-230-01-0509 Lab ID: 1051570011SA	Field ID: KAFB-230-99-0509 Lab ID: 1051570011SA	Field ID: KAFB-230-01-1012 Lab ID: 1051570013FR	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		3.8000	11.6000	8.1000				
MOISTURE, PERCENT	0.1000	N/A		11.7000						

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-230: Oil/Water Separator ST230 Bldg 1046
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: *Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-230-01-0509 Lab ID: P268562	Field ID: KAFB-230-99-0509 Lab ID: P268562	Field ID: KAFB-230-01-1012 Lab ID: P268564	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-230-03319 Lab ID: P268560	Ambient Blank Field ID: Lab ID:	Lab ID: P270338
ALUMINUM	2.0000	50.0000		3050.0000	6230.0000	12000.0000		0.0000 ND		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	42.7000	0.0000 ND		0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND	10.7000		0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	110.0000	479.0000	150.0000		0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.2100	0.2400	0.6600		0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		16400.0000	159000.0000	36400.0000		63.0000		0.0000 ND
CHROMIUM, TOTAL	1.0000	7.0000		8.9000	6.6000	10.6000		0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		4.2000	3.9000	7.1000		0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		78.9000	84.8000	133.0000		13.0000		0.0000 ND
IRON	0.8000	7.0000		8010.0000	5970.0000	14300.0000		58.0000		0.0000 ND
LEAD	3.0000	50.0000	400.0000	4.5000	5.3000	7.1000		0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		2030.0000	7890.0000	5520.0000		0.0000 ND		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	153.0000	95.3000	274.0000		0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	212.0000	10.1000	12.0000		0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		705.0000	633.0000	1950.0000		0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		3.0000		0.0000 ND
SODIUM	3.0000	30.0000		122.0000	109.0000	309.0000		137.0000		0.0000 ND
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	15.9000	24.5000	39.3000		0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	57.6000	65.7000	141.0000		7.0000		0.0000 ND
ALUMINUM	2.0000	50.0000		9000.0000				0.0000 ND		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND				0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND				0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	45.7000				0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.4400				0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND				0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		53400.0000				63.0000		0.0000 ND
CHROMIUM, TOTAL	1.0000	7.0000		8.1000				0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		5.1000				0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		12.8000				13.0000		0.0000 ND
IRON	0.8000	7.0000		11000.0000				58.0000		0.0000 ND
LEAD	3.0000	50.0000	400.0000	3.4000				0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		3870.0000				0.0000 ND		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	143.0000				0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND				0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	9.0000				0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		1710.0000				0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND				0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-230: Oil/Water Separator ST230 Bldg 1046
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: *Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-230-01-2022 Lab ID: P268565	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-230-03319 Lab ID: P268560	Ambient Blank Field ID: Lab ID:	Lab ID: P270338
SILVER	0.3000	7.0000	400.0000	0.0000 ND				3.0000		0.0000 ND
SODIUM	3.0000	30.0000		336.0000				137.0000		0.0000 ND
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND				0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	22.3000				0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	26.5000				7.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-230: Oil/Water Separator ST230 Bldg 1046
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-230-01-0509 Lab ID: P268562	Field ID: KAFB-230-99-0509 Lab ID: P268562	Field ID: KAFB-230-01-1012 Lab ID: P268564	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-230-03319 Lab ID: P268560	Ambient Blank Field ID: Lab ID:	Lab ID: P270392
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
MERCURY	0.1000	0.1000		0.0000 ND				0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-230: Oil/Water Separator ST230 Bldg 1046
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-230-01-0509 Lab ID: P268562	Field ID: KAFB-230-99-0509 Lab ID: P268562	Field ID: KAFB-230-01-1012 Lab ID: P268564	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-230-03319 Lab ID: P268560	Ambient Blank Field ID: Lab ID:	Lab ID: P273819
GASOLINE COMPONENTS	100.0000	1.0000		170.0000	470.0000	110.0000		0.0000 ND		0.0000 ND
GASOLINE COMPONENTS	100.0000	1.0000		210.0000				0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-230: Oil/Water Separator ST230 Bldg 1046
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-230-01-0509 Lab ID: P268562	Field ID: KAFB-230-99-0509 Lab ID: P268562	Field ID: KAFB-230-01-1012 Lab ID: P268564	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-230-03319 Lab ID: P268560	Ambient Blank Field ID: Lab ID:	Lab ID: P270214
DIESEL COMPONENTS	70.0000	10.0000		5500.0000	3400.0000	0.0000 ND		0.0000 ND		0.0000 ND
DIESEL COMPONENTS	70.0000	10.0000		3100.0000				0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-230: Oil/Water Separator ST230 Bldg 1046
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-230-01-0509 Lab ID: 1051570011SA	Field ID: KAFB-230-99-0509 Lab ID: 1051570011SA	Field ID: Lab ID: 1051570013FR	Trip Blank Field ID: KAFB-TB-01-033194 Lab ID: 1051570026TB	Equipment Blank Field ID: KAFB-EB-230-03319 Lab ID: 1051570024EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0052	0.0050		0.0000 ND	0.0000 ND	ND	0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0052	0.0050	35.0000	0.0000 ND	0.0000 ND	ND	0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0052	0.0050	123.0000	0.0000 ND	0.0000 ND	ND	0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0052	0.0050		0.0000 ND	0.0000 ND	ND	0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0052	0.0050		0.0000 ND	0.0000 ND	ND	0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0052	0.0050	7.6900	0.0000 ND	0.0000 ND	ND	0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		102.0000 %	102.0000 %	%	111.0000 %	106.0000 %		
1,2-DICHLOROPROPANE	0.0052	0.0050		0.0000 ND	0.0000 ND	ND	0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		94.0000 %	117.0000 %	%	99.0000 %	101.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0100	0.0100		0.0000 ND	0.0000 ND	ND	0.0000 ND	0.0000 ND		
2-HEXANONE	0.0100	0.0500		0.0000 ND	0.0000 ND	ND	0.0000 ND	0.0000 ND		
ACETONE	0.0100	0.1000	8000.000	0.0095 TR	0.0000 ND	ND	0.0000 ND	0.0000 ND		
BENZENE	0.0052	0.0050	24.1000	0.0000 ND	0.0000 ND	ND	0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0052	0.0050		0.0000 ND	0.0000 ND	ND	0.0000 ND	0.0000 ND		
BROMOFORM	0.0052	0.0050	88.6000	0.0000 ND	0.0000 ND	ND	0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0100	0.0100	32.0000	0.0000 ND	0.0000 ND	ND	0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0052	0.0050	8000.000	0.0000 ND	0.0000 ND	ND	0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0052	0.0050		0.0000 ND	0.0000 ND	ND	0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0052	N/A	2160.000	0.0000 ND	0.0000 ND	ND	0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0100	0.0100		0.0000 ND	0.0000 ND	ND	0.0000 ND	0.0000 ND		
CHLOROFORM	0.0052	0.0050		0.0000 ND	0.0000 ND	ND	0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0100	0.0100		0.0000 ND	0.0000 ND	ND	0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0052	0.0050		0.0000 ND	0.0000 ND	ND	0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0052	0.0050	8000.000	0.0000 ND	0.0000 ND	ND	0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0100	0.1000	48000.00	0.0000 ND	0.0000 ND	ND	0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0100	0.0500		0.0000 ND	0.0000 ND	ND	0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0052	0.0050	93.3000	0.0000 ND	0.0000 ND	ND	0.0000 ND	0.0000 ND		
STYRENE	0.0052	0.0050		0.0000 ND	0.0000 ND	ND	0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0052	0.0050	800.0000	0.0000 ND	0.0000 ND	ND	0.0000 ND	0.0000 ND		
TOLUENE	0.0052	0.0050	16000.00	0.0000 ND	0.0000 ND	ND	0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		96.0000 %	103.0000 %	%	97.0000 %	99.0000 %		
TRICHLOROETHYLENE (TCE)	0.0052	0.0050	63.6000	0.0000 ND	0.0000 ND	ND	0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0100	0.0500		0.0000 ND	0.0000 ND	ND	0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0100	0.0100		0.0000 ND	0.0000 ND	ND	0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0052	0.0050	160000.0	0.0000 ND	0.0000 ND	ND	0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0052	0.0050		0.0000 ND	0.0000 ND	ND	0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0052	0.0050		0.0000 ND	0.0000 ND	ND	0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0052	0.0050		0.0000 ND	0.0000 ND	ND	0.0000 ND	0.0000 ND		
1,1,1-TRICHLOROETHANE	0.0057	0.0050		0.0000 ND			0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0057	0.0050	35.0000	0.0000 ND			0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0057	0.0050	123.0000	0.0000 ND			0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-230: Oil/Water Separator ST230 Bldg 1046
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-230-01-2022 Lab ID: 1051570014SA	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-033194 Lab ID: 1051570026TB	Equipment Blank Field ID: KAFB-EB-230-03319 Lab ID: 1051570024EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1-DICHLOROETHANE	0.0057	0.0050		0.0000 ND			0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0057	0.0050		0.0000 ND			0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0057	0.0050	7.6900	0.0000 ND			0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		98.0000 %			111.0000 %	106.0000 %		
1,2-DICHLOROPROPANE	0.0057	0.0050		0.0000 ND			0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		92.0000 %			99.0000 %	101.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND			0.0000 ND	0.0000 ND		
2-HEXANONE	0.0110	0.0500		0.0000 ND			0.0000 ND	0.0000 ND		
ACETONE	0.0110	0.1000	8000.000	0.0000 ND			0.0000 ND	0.0000 ND		
BENZENE	0.0057	0.0050	24.1000	0.0000 ND			0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0057	0.0050		0.0000 ND			0.0000 ND	0.0000 ND		
BROMOFORM	0.0057	0.0050	88.6000	0.0000 ND			0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0110	0.0100	32.0000	0.0000 ND			0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0057	0.0050	8000.000	0.0000 ND			0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0057	0.0050		0.0000 ND			0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0057	N/A	2160.000	0.0000 ND			0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0110	0.0100		0.0000 ND			0.0000 ND	0.0000 ND		
CHLOROFORM	0.0057	0.0050		0.0000 ND			0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0110	0.0100		0.0000 ND			0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0057	0.0050		0.0000 ND			0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0057	0.0050	8000.000	0.0000 ND			0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0000 ND			0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0000 ND			0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0057	0.0050	93.3000	0.0000 ND			0.0000 ND	0.0000 ND		
STYRENE	0.0057	0.0050		0.0000 ND			0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0057	0.0050	800.0000	0.0000 ND			0.0000 ND	0.0000 ND		
TOLUENE	0.0057	0.0050	16000.00	0.0000 ND			0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		93.0000 %			97.0000 %	99.0000 %		
TRICHLOROETHYLENE (TCE)	0.0057	0.0050	63.6000	0.0000 ND			0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0110	0.0500		0.0000 ND			0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0110	0.0100		0.0000 ND			0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0057	0.0050	160000.0	0.0000 ND			0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0057	0.0050		0.0000 ND			0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0057	0.0050		0.0000 ND			0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0057	0.0050		0.0000 ND			0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-230: Oil/Water Separator ST230 Bldg 1046
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-230-01-0509 Lab ID: P268562	Field ID: KAFB-230-99-0509 Lab ID: P268562	Field ID: KAFB-230-01-1012 Lab ID: P268564	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-230-03319 Lab ID: P268560	Ambient Blank Field ID: Lab ID:	Lab ID: P270216
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		72.0000	71.0000	63.0000		86.0000		72.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		42.0000	43.0000	42.0000		39.0000		41.0000
2-FLUOROPHENOL	N/A	N/A		78.0000	76.0000	91.0000		54.0000		92.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-230: Oil/Water Separator ST230 Bldg 1046
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-230-01-0509 Lab ID: P268562	Field ID: KAFB-230-99-0509 Lab ID: P268562	Field ID: KAFB-230-01-1012 Lab ID: P268564	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-230-03319 Lab ID: P268560	Ambient Blank Field ID: Lab ID:	Lab ID: P270216
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		37.0000	42.0000	42.0000		44.0000		42.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		95.0000	78.0000	95.0000		38.0000		95.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		51.0000	52.0000	50.0000		44.0000		56.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	100.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND				0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND				0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		67.0000				86.0000		72.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND				0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND				0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND				0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND				0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND				0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		43.0000				39.0000		41.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-230: Oil/Water Separator ST230 Bldg 1046
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-230-01-2022 Lab ID: P268565	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-230-03319 Lab ID: P268560	Ambient Blank Field ID: Lab ID:	Lab ID: P270216
2-FLUOROPHENOL	N/A	N/A		90.0000				54.0000		92.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND				0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND				0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND				0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND				0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND				0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND				0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND				0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND				0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND				0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND				0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND				0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND				0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND				0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND				0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND				0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND				0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND				0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND				0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND				0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND				0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND				0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	200.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND				0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND				0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-230: Oil/Water Separator ST230 Bldg 1046
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-230-01-2022 Lab ID: P268565	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-230-03319 Lab ID: P268560	Ambient Blank Field ID: Lab ID:	Lab ID: P270216
NITROBENZENE-D5	N/A	0.7000		40.0000				44.0000		42.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND				0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	0.0000 ND				0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		97.0000				38.0000		95.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND				0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		54.0000				44.0000		56.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	100.0000	0.7000		0.0000 ND				0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND				0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-230: Oil/Water Separator ST230 Bldg 1046
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-230-01-0509 Lab ID: P268562	Field ID: KAFB-230-99-0509 Lab ID: P268562	Field ID: KAFB-230-01-1012 Lab ID: P268564	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.4000	8.4000	8.8000				
pH	N/A	N/A		8.6000						

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-230: Oil/Water Separator ST230 Bldg 1046
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-230-02-0507 Lab ID: 1051570015SA	Field ID: KAFB-230-02-1014 Lab ID: 1051570016SA	Field ID: KAFB-230-02-2022 Lab ID: 1051570017SA	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		9.7000	14.8000	18.1000				

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-230: Oil/Water Separator ST230 Bldg 1046
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-230-02-0507 Lab ID: P268566	Field ID: KAFB-230-02-1014 Lab ID: P268567	Field ID: KAFB-230-02-2022 Lab ID: P268568	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-230-03319 Lab ID: P268560	Ambient Blank Field ID: Lab ID:	Lab ID: P270338
ALUMINUM	2.0000	50.0000		6440.0000	6250.0000	8060.0000		0.0000 ND		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	63.8000	109.0000	44.7000		0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.3300	0.4500	0.4500		0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.5500	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		22700.0000	38100.0000	17700.0000		63.0000		0.0000 ND
CHROMIUM, TOTAL	1.0000	7.0000		6.7000	9.3000	7.8000		0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		4.8000	4.7000	4.9000		0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		47.5000	94.2000	83.6000		13.0000		0.0000 ND
IRON	0.8000	7.0000		9900.0000	9930.0000	9880.0000		58.0000		0.0000 ND
LEAD	3.0000	50.0000	400.0000	5.7000	6.0000	6.4000		0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		2700.0000	3600.0000	3300.0000		0.0000 ND		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	145.0000	175.0000	136.0000		0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	6.6000	70.4000	16.9000		0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		1390.0000	1200.0000	1500.0000		0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		3.0000		0.0000 ND
SODIUM	3.0000	30.0000		131.0000	241.0000	358.0000		137.0000		0.0000 ND
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	19.7000	21.6000	18.2000		0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	52.3000	92.2000	60.3000		7.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-230: Oil/Water Separator ST230 Bldg 1046
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-230-02-0507 Lab ID: P268566	Field ID: KAFB-230-02-1014 Lab ID: P268567	Field ID: KAFB-230-02-2022 Lab ID: P268568	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-230-03319 Lab ID: P268560	Ambient Blank Field ID: Lab ID:	Lab ID: P270392
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-230: Oil/Water Separator ST230 Bldg 1046
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-230-02-0507 Lab ID: P268566	Field ID: KAFB-230-02-1014 Lab ID: P268567	Field ID: KAFB-230-02-2022 Lab ID: P268568	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-230-03319 Lab ID: P268560	Ambient Blank Field ID: Lab ID:	Lab ID: P273819
GASOLINE COMPONENTS	100.0000	1.0000		120.0000	110.0000	200.0000		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-230: Oil/Water Separator ST230 Bldg 1046
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-230-02-0507 Lab ID: P268566	Field ID: KAFB-230-02-1014 Lab ID: P268567	Field ID: KAFB-230-02-2022 Lab ID: P268568	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-230-03319 Lab ID: P268560	Ambient Blank Field ID: Lab ID:	Lab ID: P270214
DIESEL COMPONENTS	70.0000	10.0000		0.0000 ND	4900.0000	2700.0000		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-230: Oil/Water Separator ST230 Bldg 1046
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-230-02-0507 Lab ID: 1051570015SA	Field ID: KAFB-230-02-1014 Lab ID: 1051570016SA	Field ID: KAFB-230-02-2022 Lab ID: 1051570017SA	Trip Blank Field ID: KAFB-TB-01-033194 Lab ID: 1051570026TB	Equipment Blank Field ID: KAFB-EB-230-03319 Lab ID: 1051570024EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0055	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0055	0.0050	35.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0055	0.0050	123.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0055	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0055	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0055	0.0050	7.6900	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		99.0000 %	102.0000 %	101.0000 %	111.0000 %	106.0000 %		
1,2-DICHLOROPROPANE	0.0055	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		95.0000 %	95.0000 %	97.0000 %	99.0000 %	101.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
2-HEXANONE	0.0110	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ACETONE	0.0110	0.1000	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BENZENE	0.0055	0.0050	24.1000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0055	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMOFORM	0.0055	0.0050	88.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0110	0.0100	32.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0055	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0055	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0055	N/A	2160.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROFORM	0.0055	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0055	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0055	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0055	0.0050	93.3000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
STYRENE	0.0055	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0055	0.0050	800.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TOLUENE	0.0055	0.0050	16000.00	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		99.0000 %	97.0000 %	96.0000 %	97.0000 %	99.0000 %		
TRICHLOROETHYLENE (TCE)	0.0055	0.0050	63.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0110	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0110	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0055	0.0050	160000.0	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0055	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0055	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0055	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-230: Oil/Water Separator ST230 Bldg 1046
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-230-02-0507 Lab ID: P268566	Field ID: KAFB-230-02-1014 Lab ID: P268567	Field ID: KAFB-230-02-2022 Lab ID: P268568	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-230-03319 Lab ID: P268560	Ambient Blank Field ID: Lab ID:	Lab ID: P270216
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		61.0000	68.0000	60.0000		86.0000		72.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		41.0000	42.0000	39.0000		39.0000		41.0000
2-FLUOROPHENOL	N/A	N/A		86.0000	89.0000	90.0000		54.0000		92.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-230: Oil/Water Separator ST230 Bldg 1046
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-230-02-0507 Lab ID: P268566	Field ID: KAFB-230-02-1014 Lab ID: P268567	Field ID: KAFB-230-02-2022 Lab ID: P268568	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-230-03319 Lab ID: P268560	Ambient Blank Field ID: Lab ID:	Lab ID: P270216
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		39.0000	40.0000	41.0000		44.0000		42.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	330.0000	0.0000 ND		0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		91.0000	95.0000	96.0000		38.0000		95.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		55.0000	54.0000	53.0000		44.0000		56.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	100.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-230: Oil/Water Separator ST230 Bldg 1046
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-230-02-0507 Lab ID: P268566	Field ID: KAFB-230-02-1014 Lab ID: P268567	Field ID: KAFB-230-02-2022 Lab ID: P268568	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.1000	8.7000	8.4000				

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-231: Holding Tank ST-231 Building 1046
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-231-01-0810 Lab ID: 1051570018SA	Field ID: KAFB-231-01-1315 Lab ID: 1051570019SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		11.5000	11.4000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-231: Holding Tank ST-231 Building 1046
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-231-01-0810 Lab ID: P268569	Field ID: KAFB-231-01-1315 Lab ID: P268570	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-230-03319 Lab ID: P268560	Ambient Blank Field ID: Lab ID:	Lab ID: P270338
ALUMINUM	2.0000	50.0000		8610.0000	11700.0000			0.0000 ND		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	451.0000	43.2000			0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.3700	0.7500			0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	1.1000			0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		131000.0000	84400.0000			63.0000		0.0000 ND
CHROMIUM, TOTAL	1.0000	7.0000		8.6000	10.2000			0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		4.8000	8.0000			0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		31.1000	21.5000			13.0000		0.0000 ND
IRON	0.8000	7.0000		8780.0000	15900.0000			58.0000		0.0000 ND
LEAD	3.0000	50.0000	400.0000	4.8000	10.8000			0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		8440.0000	6980.0000			0.0000 ND		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	159.0000	322.0000			0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	10.2000	13.3000			0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		902.0000	1770.0000			0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			3.0000		0.0000 ND
SODIUM	3.0000	30.0000		170.0000	681.0000			137.0000		0.0000 ND
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	29.2000	31.3000			0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	46.2000	43.4000			7.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-231: Holding Tank ST-231 Building 1046
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-231-01-0810 Lab ID: P268569	Field ID: KAFB-231-01-1315 Lab ID: P268570	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-230-03319 Lab ID: P268560	Ambient Blank Field ID: Lab ID:	Lab ID: P270392
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-231: Holding Tank ST-231 Building 1046
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-231-01-0810 Lab ID: P268569	Field ID: KAFB-231-01-1315 Lab ID: P268570	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-230-03319 Lab ID: P268560	Ambient Blank Field ID: Lab ID:	Lab ID: P274017
GASOLINE COMPONENTS	200.0000	1.0000		0.0000 ND	130.0000			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-231: Holding Tank ST-231 Building 1046
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-231-01-0810 Lab ID: P268569	Field ID: KAFB-231-01-1315 Lab ID: P268570	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-230-03319 Lab ID: P268560	Ambient Blank Field ID: Lab ID:	Lab ID: P270214
DIESEL COMPONENTS	70.0000	10.0000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-231: Holding Tank ST-231 Building 1046
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-231-01-0810 Lab ID: 1051570018SA	Field ID: KAFB-231-01-1315 Lab ID: 1051570019SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-033194 Lab ID: 1051570026TB	Equipment Blank Field ID: KAFB-EB-230-03319 Lab ID: 1051570024EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0056	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0056	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0056	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0056	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0056	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0056	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		99.0000 %	102.0000 %		111.0000 %	106.0000 %		
1,2-DICHLOROPROPANE	0.0056	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		94.0000 %	95.0000 %		99.0000 %	101.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ACETONE	0.0110	0.1000	8000.000	0.0066 TR	0.0000 ND		0.0000 ND	0.0000 ND		
BENZENE	0.0056	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0056	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0056	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0110	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0056	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0056	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0056	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0056	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0056	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0056	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0056	0.0050	93.3000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
STYRENE	0.0056	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0056	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0056	0.0050	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		97.0000 %	97.0000 %		97.0000 %	99.0000 %		
TRICHLOROETHYLENE (TCE)	0.0056	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0056	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0056	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0056	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0056	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-231: Holding Tank ST-231 Building 1046
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-231-01-0810 Lab ID: P268569	Field ID: KAFB-231-01-1315 Lab ID: P268570	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-230-03319 Lab ID: P268560	Ambient Blank Field ID: Lab ID:	Lab ID: P270216
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		61.0000	59.0000			86.0000		72.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		40.0000	36.0000			39.0000		41.0000
2-FLUOROPHENOL	N/A	N/A		93.0000	67.0000			54.0000		92.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-231: Holding Tank ST-231 Building 1046
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-231-01-0810 Lab ID: P268569	Field ID: KAFB-231-01-1315 Lab ID: P268570	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-230-03319 Lab ID: P268560	Ambient Blank Field ID: Lab ID:	Lab ID: P270216
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		42.0000	35.0000			44.0000		42.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		96.0000	72.0000			38.0000		95.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		54.0000	41.0000			44.0000		56.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	100.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-231: Holding Tank ST-231 Building 1046
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-231-01-0810 Lab ID: P268569	Field ID: KAFB-231-01-1315 Lab ID: P268570	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.0000	8.6000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-231: Holding Tank ST-231 Building 1046
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-231-02-0711 Lab ID: 1051570022FR	Field ID: KAFB-231-99-0711 Lab ID: 1051570022FR	Field ID: KAFB-231-02-1317 Lab ID: 1051570021DU	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		12.6000	11.4000	14.0000				
MOISTURE, PERCENT	0.1000	N/A		14.0000						

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-231: Holding Tank ST-231 Building 1046
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: *Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-231-02-0711 Lab ID: P268571	Field ID: KAFB-231-99-0711 Lab ID: P268571	Field ID: KAFB-231-02-1317 Lab ID: P268572	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-230-03319 Lab ID: P268560	Ambient Blank Field ID: Lab ID:	Lab ID: P270338
ALUMINUM	2.0000	50.0000		5680.0000	5450.0000	7060.0000		0.0000 ND		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	7.0000	0.0000 ND		0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	585.0000	910.0000	183.0000		0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.3300	0.3300	0.4500		0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		35100.0000	41800.0000	28600.0000		63.0000		0.0000 ND
CHROMIUM, TOTAL	1.0000	7.0000		6.1000	6.1000	6.9000		0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		2.7000	3.7000	7.1000		0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		18.7000	7.3000	10.6000		13.0000		0.0000 ND
IRON	0.8000	7.0000		7130.0000	6500.0000	14400.0000		58.0000		0.0000 ND
LEAD	3.0000	50.0000	400.0000	3.8000	4.7000	4.9000		0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		3770.0000	3910.0000	5220.0000		0.0000 ND		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	97.1000	89.5000	317.0000		0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	6.3000	5.1000	9.7000		0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		831.0000	711.0000	1990.0000		0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		3.0000		0.0000 ND
SODIUM	3.0000	30.0000		105.0000	90.8000	311.0000		137.0000		0.0000 ND
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	27.3000	26.3000	27.1000		0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	30.3000	21.1000	38.1000		7.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-231: Holding Tank ST-231 Building 1046
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-231-02-0711 Lab ID: P268571	Field ID: KAFB-231-99-0711 Lab ID: P268571	Field ID: KAFB-231-02-1317 Lab ID: P268572	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-230-03319 Lab ID: P268560	Ambient Blank Field ID: Lab ID:	Lab ID: P270392
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-231: Holding Tank ST-231 Building 1046
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-231-02-0711 Lab ID: P268571	Field ID: KAFB-231-99-0711 Lab ID: P268571	Field ID: KAFB-231-02-1317 Lab ID: P268572	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-230-03319 Lab ID: P268560	Ambient Blank Field ID: Lab ID:	Lab ID:
GASOLINE COMPONENTS	100.0000	1.0000		220.0000	0.0000 ND	0.0000 ND		0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-231: Holding Tank ST-231 Building 1046
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-231-02-0711 Lab ID: P268571	Field ID: KAFB-231-99-0711 Lab ID: P268571	Field ID: KAFB-231-02-1317 Lab ID: P268572	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-230-03319 Lab ID: P268560	Ambient Blank Field ID: Lab ID:	Lab ID: P270214
DIESEL COMPONENTS	70.0000	10.0000		5000.0000	3400.0000	2000.0000		0.0000 ND		0.0000 ND

Base: KIRTLAND AFB
Site: ST-231: Holding Tank ST-231 Building 1046
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

ANALYTCAL DATA SUMMARY

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-231-02-0711 Lab ID: 1051570020SA	Field ID: KAFB-231-99-0711 Lab ID: 1051570020SA	Field ID: KAFB-231-02-1317 Lab ID: 1051570021MS	Trip Blank Field ID: KAFB-TB-01-033194 Lab ID: 1051570026TB	Equipment Blank Field ID: KAFB-EB-230-03319 Lab ID: 1051570024EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0057	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0057	0.0050	35.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0057	0.0050	123.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0057	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0057	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0057	0.0050	7.6900	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		102.0000 %	97.0000 %	101.0000 %	111.0000 %	106.0000 %		
1,2-DICHLOROPROPANE	0.0057	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		94.0000 %	92.0000 %	97.0000 %	99.0000 %	101.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
2-HEXANONE	0.0110	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ACETONE	0.0110	0.1000	8000.000	0.0000 ND	0.0065 TR	0.0000 ND	0.0000 ND	0.0000 ND		
BENZENE	0.0057	0.0050	24.1000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0057	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMOFORM	0.0057	0.0050	88.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0110	0.0100	32.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0057	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0057	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0057	N/A	2160.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROFORM	0.0057	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0057	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0057	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0057	0.0050	93.3000	0.0000 ND	0.0000 ND	0.0034 TR	0.0000 ND	0.0000 ND		
STYRENE	0.0057	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0057	0.0050	800.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TOLUENE	0.0057	0.0050	16000.00	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		96.0000 %	92.0000 %	90.0000 %	97.0000 %	99.0000 %		
TRICHLOROETHYLENE (TCE)	0.0057	0.0050	63.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0110	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0110	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0057	0.0050	160000.0	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0057	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0057	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0057	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-231: Holding Tank ST-231 Building 1046
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-231-02-0711 Lab ID: P268571	Field ID: KAFB-231-99-0711 Lab ID: P268571	Field ID: KAFB-231-02-1317 Lab ID: P268572	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-230-03319 Lab ID: P268560	Ambient Blank Field ID: Lab ID:	Lab ID: P270216
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		74.0000	71.0000	67.0000		86.0000		72.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		425.0000	43.0000	40.0000		39.0000		41.0000
2-FLUOROPHENOL	N/A	N/A		86.0000	88.0000	84.0000		54.0000		92.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-231: Holding Tank ST-231 Building 1046
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-231-02-0711 Lab ID: P268571	Field ID: KAFB-231-99-0711 Lab ID: P268571	Field ID: KAFB-231-02-1317 Lab ID: P268572	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-230-03319 Lab ID: P268560	Ambient Blank Field ID: Lab ID:	Lab ID: P270216
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		41.0000	42.0000	41.0000		44.0000		42.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	0.0000 ND	1600.0000		0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		89.0000	93.0000	87.0000		38.0000		95.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		51.0000	55.0000	50.0000		44.0000		56.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	100.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-231: Holding Tank ST-231 Building 1046
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-231-02-0711 Lab ID: P268571	Field ID: KAFB-231-99-0711 Lab ID: P268571	Field ID: Lab ID: P268571	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.4000	8.3000					
pH	N/A	N/A		8.4000						

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-231: Holding Tank ST-231 Building 1046
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-231-03-0812 Lab ID: 0347930001SA	Field ID: KAFB-231-03-1315 Lab ID: 0347930002SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		9.5000	11.0000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-231: Holding Tank ST-231 Building 1046
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: *Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-231-03-0812 Lab ID: P268710	Field ID: KAFB-231-03-1315 Lab ID: P268711	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-231-04049 Lab ID: P268709	Ambient Blank Field ID: Lab ID:	Lab ID: P270400
ALUMINUM	2.0000	50.0000		6850.0000	8950.0000			27.0000		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	141.0000	148.0000			0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.4400	0.5600			0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		22700.0000	35300.0000			45.0000		3.7000
CHROMIUM, TOTAL	1.0000	7.0000		8.1000	10.0000			0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		5.5000	7.9000			0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		22.5000	36.0000			6.0000		0.0000 ND
IRON	0.8000	7.0000		9860.0000	15100.0000			50.0000		0.0000 ND
LEAD	3.0000	50.0000	400.0000	7.0000	7.3000			0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		4290.0000	6110.0000			0.0000 ND		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	223.0000	327.0000			0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	7.8000	11.2000			0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		1170.0000	1750.0000			0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		89.1000	127.0000			76.0000		0.0000 ND
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	26.3000	26.8000			0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	33.4000	49.9000			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-231: Holding Tank ST-231 Building 1046
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-231-03-0812 Lab ID: P268710	Field ID: KAFB-231-03-1315 Lab ID: P268711	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-231-04049 Lab ID: P268709	Ambient Blank Field ID: Lab ID:	Lab ID: P270650
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-231: Holding Tank ST-231 Building 1046
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-231-03-0812 Lab ID: P268710	Field ID: KAFB-231-03-1315 Lab ID: P268711	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-231-04049 Lab ID: P268709	Ambient Blank Field ID: Lab ID:	Lab ID: P274019
GASOLINE COMPONENTS	100.0000	1.0000		1300.0000	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-231: Holding Tank ST-231 Building 1046
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-231-03-0812 Lab ID: P268710	Field ID: KAFB-231-03-1315 Lab ID: P268711	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-231-04049 Lab ID: P268709	Ambient Blank Field ID: Lab ID:	Lab ID: P270228
DIESEL COMPONENTS	70.0000	10.0000		3800.0000	10000.0000			51.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-231: Holding Tank ST-231 Building 1046
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-231-03-0812 Lab ID: 0347930001MS	Field ID: KAFB-231-03-1315 Lab ID: 0347930002SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-040494 Lab ID: 0347930019TB	Equipment Blank Field ID: KAFB-EB-231-04049 Lab ID: 0347930020EB	Ambient Blank Field ID: KAFB-AB-231-04049 Lab ID: 0347930018AB	Lab ID:
1,1,1-TRICHLOROETHANE	0.0003	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
1,1,2,2-TETRACHLOROETHANE	0.0009	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
1,1,2-TRICHLOROETHANE	0.0005	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
1,1-DICHLOROETHANE	0.0004	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
1,1-DICHLOROETHENE	0.0006	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
1,2-DICHLOROETHANE	0.0004	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
1,2-DICHLOROETHANE-D4	N/A	N/A		97.0000 %	96.0000 %		95.0000 %	94.0000 %	95.0000 %	
1,2-DICHLOROPROPANE	0.0003	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		103.0000 %	102.0000 %		104.0000 %	100.0000 %	101.0000 %	
2-CHLOROETHYL VINYL ETHER	0.0054	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
2-HEXANONE	0.0012	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
ACETONE	0.0039	0.1000	8000.000	0.0000 ND	0.0000 ND		46.0000 =	33.0000	12.0000	
BENZENE	0.0002	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
BROMODICHLOROMETHANE	0.0002	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
BROMOFORM	0.0006	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
BROMOMETHANE	0.0004	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
CARBON DISULFIDE	0.0008	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
CARBON TETRACHLORIDE	0.0003	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
CHLOROBENZENE	0.0002	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
CHLOROETHANE	0.0010	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
CHLOROFORM	0.0002	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
CHLOROMETHANE	0.0006	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
DIBROMOCHLOROMETHANE	0.0004	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
ETHYLBENZENE	0.0002	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
METHYL ETHYL KETONE (2-BUTANONE)	0.0022	0.1000	48000.00	0.0000 ND	0.0000 ND		1.9000 TR	3.6000 TR	0.0000 ND	
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0012	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
METHYLENE CHLORIDE	0.0003	0.0050	93.3000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
STYRENE	0.0002	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
TETRACHLOROETHYLENE(PCE)	0.0002	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
TOLUENE	0.0003	0.0050	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
TOLUENE-D8	N/A	0.0050		96.0000 %	89.0000 %		97.0000 %	98.0000 %	98.0000 %	
TRICHLOROETHYLENE (TCE)	0.0003	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
VINYL ACETATE	0.0007	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
VINYL CHLORIDE	0.0004	0.0100		0.0000 ND	0.0000 ND		3.1000 TR	3.2000 TR	0.0000 ND	
XYLENES, TOTAL	0.0007	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
cis-1,3-DICHLOROPROPENE	0.0007	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
trans-1,2-DICHLOROETHENE	0.0009	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
trans-1,3-DICHLOROPROPENE	0.0003	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-231: Holding Tank ST-231 Building 1046
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-231-03-0812 Lab ID: P268710	Field ID: KAFB-231-03-1315 Lab ID: P268711	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-231-04049 Lab ID: P268709	Ambient Blank Field ID: Lab ID:	Lab ID: P270230
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		50.0000	49.0000			59.0000		50.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		31.0000	31.0000			31.0000		29.0000
2-FLUOROPHENOL	N/A	N/A		50.0000	49.0000			38.0000		48.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-231: Holding Tank ST-231 Building 1046
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-231-03-0812 Lab ID: P268710	Field ID: KAFB-231-03-1315 Lab ID: P268711	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-231-04049 Lab ID: P268709	Ambient Blank Field ID: Lab ID:	Lab ID: P270230
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		29.0000	29.0000			30.0000		28.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		58.0000	57.0000			30.0000		53.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		31.0000	32.0000			34.0000		28.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	100.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-231: Holding Tank ST-231 Building 1046
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-231-03-0812 Lab ID: P268710	Field ID: Lab ID: P268710	Field ID: KAFB-231-03-1315 Lab ID: P268711	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.3000		8.3000				

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-231: Holding Tank ST-231 Building 1046
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-231-04-0811 Lab ID: 0347930008SA	Field ID: KAFB-231-04-1315 Lab ID: 0347930007SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		5.9000	13.0000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-231: Holding Tank ST-231 Building 1046
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: *Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-231-04-0811 Lab ID: P268712	Field ID: KAFB-231-04-1315 Lab ID: P268714	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-231-04049 Lab ID: P268709	Ambient Blank Field ID: Lab ID:	Lab ID: P270400
ALUMINUM	2.0000	50.0000		8800.0000	3510.0000			27.0000		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	9.8000	0.0000 ND			0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	71.1000	54.8000			0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.6800	0.2100			0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		92500.0000	13000.0000			45.0000		3.7000
CHROMIUM, TOTAL	1.0000	7.0000		9.7000	4.9000			0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		8.0000	2.5000			0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		14.0000	19.1000			6.0000		0.0000 ND
IRON	0.8000	7.0000		13700.0000	4750.0000			50.0000		0.0000 ND
LEAD	3.0000	50.0000	400.0000	9.8000	4.4000			0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		6490.0000	2050.0000			0.0000 ND		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	288.0000	76.8000			0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	12.4000	3.9000			0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		1580.0000	603.0000			0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		555.0000	78.6000			76.0000		0.0000 ND
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	30.8000	17.3000			0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	39.4000	17.9000			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-231: Holding Tank ST-231 Building 1046
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-231-04-0811 Lab ID: P268712	Field ID: KAFB-231-04-1315 Lab ID: P268714	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-231-04049 Lab ID: P268709	Ambient Blank Field ID: Lab ID:	Lab ID: P270650
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-231: Holding Tank ST-231 Building 1046
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-231-04-0811 Lab ID: P268712	Field ID: KAFB-231-04-1315 Lab ID: P268714	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-231-04049 Lab ID: P268709	Ambient Blank Field ID: Lab ID:	Lab ID: P274019
GASOLINE COMPONENTS	100.0000	1.0000		300.0000	280.0000			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-231: Holding Tank ST-231 Building 1046
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-231-04-0811 Lab ID: P268712	Field ID: KAFB-231-04-1315 Lab ID: P268714	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-231-04049 Lab ID: P268709	Ambient Blank Field ID: Lab ID:	Lab ID: P270228
DIESEL COMPONENTS	70.0000	10.0000		3600.0000	1800.0000			51.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-231: Holding Tank ST-231 Building 1046
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-231-04-0811 Lab ID: 0347930008SA	Field ID: KAFB-231-04-1315 Lab ID: 0347930007SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-040494 Lab ID: 0347930019TB	Equipment Blank Field ID: KAFB-EB-231-04049 Lab ID: 0347930020EB	Ambient Blank Field ID: KAFB-AB-231-04049 Lab ID: 0347930018AB	Lab ID:
1,1,1-TRICHLOROETHANE	0.0003	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
1,1,2,2-TETRACHLOROETHANE	0.0009	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
1,1,2-TRICHLOROETHANE	0.0005	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
1,1-DICHLOROETHANE	0.0004	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
1,1-DICHLOROETHENE	0.0006	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
1,2-DICHLOROETHANE	0.0004	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
1,2-DICHLOROETHANE-D4	N/A	N/A		95.0000 %	94.0000 %		95.0000 %	94.0000 %	95.0000 %	
1,2-DICHLOROPROPANE	0.0003	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		104.0000 %	101.0000 %		104.0000 %	100.0000 %	101.0000 %	
2-CHLOROETHYL VINYL ETHER	0.0054	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
2-HEXANONE	0.0012	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
ACETONE	0.0039	0.1000	8000.000	0.0000 ND	0.0190		46.0000 =	33.0000	12.0000	
BENZENE	0.0002	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
BROMODICHLOROMETHANE	0.0002	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
BROMOFORM	0.0006	0.0050	86.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
BROMOMETHANE	0.0004	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
CARBON DISULFIDE	0.0008	0.0050	8000.000	0.0000 ND	0.0120		0.0000 ND	0.0000 ND	0.0000 ND	
CARBON TETRACHLORIDE	0.0003	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
CHLOROBENZENE	0.0002	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
CHLOROETHANE	0.0010	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
CHLOROFORM	0.0002	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
CHLOROMETHANE	0.0006	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
DIBROMOCHLOROMETHANE	0.0004	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
ETHYLBENZENE	0.0002	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
METHYL ETHYL KETONE (2-BUTANONE)	0.0022	0.1000	48000.00	0.0000 ND	0.0022 TR		1.9000 TR	3.6000 TR	0.0000 ND	
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0012	0.0500		0.0000 ND	0.0016 TR		0.0000 ND	0.0000 ND	0.0000 ND	
METHYLENE CHLORIDE	0.0003	0.0050	93.3000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
STYRENE	0.0002	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
TETRACHLOROETHYLENE(PCE)	0.0002	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
TOLUENE	0.0003	0.0050	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
TOLUENE-D8	N/A	0.0050		100.0000 %	100.0000 %		97.0000 %	98.0000 %	98.0000 %	
TRICHLOROETHYLENE (TCE)	0.0003	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
VINYL ACETATE	0.0007	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
VINYL CHLORIDE	0.0004	0.0100		0.0000 ND	0.0000 ND		3.1000 TR	3.2000 TR	0.0000 ND	
XYLENES, TOTAL	0.0007	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
cis-1,3-DICHLOROPROPENE	0.0007	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
trans-1,2-DICHLOROETHENE	0.0009	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
trans-1,3-DICHLOROPROPENE	0.0003	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-231: Holding Tank ST-231 Building 1046
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-231-04-0811 Lab ID: P268712	Field ID: KAFB-231-04-1315 Lab ID: P268714	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-231-04049 Lab ID: P268709	Ambient Blank Field ID: Lab ID:	Lab ID: P270230
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		61.0000	52.0000			59.0000		50.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		36.0000	33.0000			31.0000		29.0000
2-FLUOROPHENOL	N/A	N/A		59.0000	53.0000			38.0000		48.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

Base: KIRTLAND AFB
Site: ST-231: Holding Tank ST-231 Building 1046
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

ANALYTCAL DATA SUMMARY

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-231-04-0811 Lab ID: P268712	Field ID: KAFB-231-04-1315 Lab ID: P268714	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-231-04049 Lab ID: P268709	Ambient Blank Field ID: Lab ID:	Lab ID: P270230
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		33.0000	31.0000			30.0000		28.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		67.0000	61.0000			30.0000		53.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		36.0000	34.0000			34.0000		28.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	100.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-231: Holding Tank ST-231 Building 1046
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-231-04-0811 Lab ID: P268712	Field ID: KAFB-231-04-1315 Lab ID: P268714	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.5000	8.3000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-232: Sewage Ejector Unit ST232 Bldg 1046
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-232-01-0811 Lab ID: 0347930003SA	Field ID: KAFB-232-01-1315 Lab ID: 0347930004SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		6.3000	14.0000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-232: Sewage Ejector Unit ST232 Bldg 1046
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: *Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-232-01-0611 Lab ID: P268713	Field ID: KAFB-232-01-1315 Lab ID: P268715	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-231-04049 Lab ID: P268709	Ambient Blank Field ID: Lab ID:	Lab ID: P270400
ALUMINUM	2.0000	50.0000		6670.0000	7480.0000			27.0000		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	140.0000	171.0000			0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.3300	0.5400			0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		35900.0000	24300.0000			45.0000		3.7000
CHROMIUM, TOTAL	1.0000	7.0000		5.8000	8.7000			0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		4.8000	7.9000			0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		27.3000	41.9000			6.0000		0.0000 ND
IRON	0.8000	7.0000		9320.0000	13900.0000			50.0000		0.0000 ND
LEAD	3.0000	50.0000	400.0000	6.8000	6.8000			0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		3150.0000	5100.0000			0.0000 ND		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	136.0000	299.0000			0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	6.9000	10.4000			0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		1260.0000	1570.0000			0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		83.2000	294.0000			76.0000		0.0000 ND
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	20.1000	26.4000			0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	373.0000	50.1000			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-232: Sewage Ejector Unit ST232 Bldg 1046
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-232-01-0611 Lab ID: P268713	Field ID: KAFB-232-01-1315 Lab ID: P268715	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-231-04049 Lab ID: P268709	Ambient Blank Field ID: Lab ID:	Lab ID: P270650
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-232: Sewage Ejector Unit ST232 Bldg 1046
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-232-01-0811 Lab ID: P268713	Field ID: KAFB-232-01-1315 Lab ID: P268715	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-231-04049 Lab ID: P268709	Ambient Blank Field ID: Lab ID:	Lab ID: P273817
GASOLINE COMPONENTS	100.0000	1.0000		330.0000	190.0000			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-232: Sewage Ejector Unit ST232 Bldg 1046
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-232-01-0811 Lab ID: P268713	Field ID: KAFB-232-01-1315 Lab ID: P268715	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-231-04049 Lab ID: P268709	Ambient Blank Field ID: Lab ID:	Lab ID: P270228
DIESEL COMPONENTS	70.0000	10.0000		2100.0000	0.0000 ND			51.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-232: Sewage Ejector Unit ST232 Bldg 1046
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-232-01-0811 Lab ID: 0347930003SA	Field ID: KAFB-232-01-1315 Lab ID: 0347930004SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-040494 Lab ID: 0347930019TB	Equipment Blank Field ID: KAFB-EB-231-04049 Lab ID: 0347930020EB	Ambient Blank Field ID: KAFB-AB-231-04049 Lab ID: 0347930018AB	Lab ID:
1,1,1-TRICHLOROETHANE	0.0003	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
1,1,2,2-TETRACHLOROETHANE	0.0009	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
1,1,2-TRICHLOROETHANE	0.0005	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
1,1-DICHLOROETHANE	0.0004	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
1,1-DICHLOROETHENE	0.0006	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
1,2-DICHLOROETHANE	0.0004	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
1,2-DICHLOROETHANE-D4	N/A	N/A		92.0000 %	93.0000 %		95.0000 %	94.0000 %	95.0000 %	
1,2-DICHLOROPROPANE	0.0003	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		100.0000 %	99.0000 %		104.0000 %	100.0000 %	101.0000 %	
2-CHLOROETHYL VINYL ETHER	0.0054	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
2-HEXANONE	0.0012	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
ACETONE	0.0039	0.1000	8000.000	0.0170	0.0180		46.0000 =	33.0000	12.0000	
BENZENE	0.0002	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
BROMODICHLOROMETHANE	0.0002	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
BROMOFORM	0.0006	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
BROMOMETHANE	0.0004	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
CARBON DISULFIDE	0.0008	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
CARBON TETRACHLORIDE	0.0003	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
CHLOROBENZENE	0.0002	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
CHLOROETHANE	0.0010	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
CHLOROFORM	0.0002	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
CHLOROMETHANE	0.0006	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
DIBROMOCHLOROMETHANE	0.0004	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
ETHYLBENZENE	0.0002	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
METHYL ETHYL KETONE (2-BUTANONE)	0.0022	0.1000	48000.00	0.0000 ND	0.0000 ND		1.9000 TR	3.6000 TR	0.0000 ND	
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0012	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
METHYLENE CHLORIDE	0.0003	0.0050	93.3000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
STYRENE	0.0002	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
TETRACHLOROETHYLENE(PCE)	0.0002	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
TOLUENE	0.0003	0.0050	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
TOLUENE-D8	N/A	0.0050		96.0000 %	101.0000 %		97.0000 %	98.0000 %	98.0000 %	
TRICHLOROETHYLENE (TCE)	0.0003	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
VINYL ACETATE	0.0007	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
VINYL CHLORIDE	0.0004	0.0100		0.0000 ND	0.0000 ND		3.1000 TR	3.2000 TR	0.0000 ND	
XYLENES, TOTAL	0.0007	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
cis-1,3-DICHLOROPROPENE	0.0007	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
trans-1,2-DICHLOROETHENE	0.0009	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
trans-1,3-DICHLOROPROPENE	0.0003	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	

Base: KIRTLAND AFB
Site: ST-232: Sewage Ejector Unit ST232 Bldg 1046
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

ANALYTCAL DATA SUMMARY

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-232-01-0811 Lab ID: P268713	Field ID: KAFB-232-01-1315 Lab ID: P268715	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-231-04049 Lab ID: P268709	Ambient Blank Field ID: Lab ID:	Lab ID: P270230
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		55.0000	51.0000			59.0000		50.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		31.0000	32.0000			31.0000		29.0000
2-FLUOROPHENOL	N/A	N/A		52.0000	52.0000			38.0000		48.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-232: Sewage Ejector Unit ST232 Bldg 1046
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-232-01-0811 Lab ID: P268713	Field ID: KAFB-232-01-1315 Lab ID: P268715	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-231-04049 Lab ID: P268709	Ambient Blank Field ID: Lab ID:	Lab ID: P270230
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		28.0000	30.0000			30.0000		28.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		58.0000	60.0000			30.0000		53.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		31.0000	33.0000			34.0000		28.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	100.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-232: Sewage Ejector Unit ST232 Bldg 1046
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-232-01-0811 Lab ID: P268713	Field ID: KAFB-232-01-1315 Lab ID: P268715	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.1000	8.8000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-232: Sewage Ejector Unit ST232 Bldg 1046
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-232-02-0812 Lab ID: 0347930006SA	Field ID: KAFB-232-02-1316 Lab ID: 0347930005SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		13.0000	12.0000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-232: Sewage Ejector Unit ST232 Bldg 1046
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: *Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-232-02-0812 Lab ID: P268716	Field ID: KAFB-232-02-1316 Lab ID: P268717	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-231-04049 Lab ID: P268709	Ambient Blank Field ID: Lab ID:	Lab ID: P270400
ALUMINUM	2.0000	50.0000		5060.0000	10800.0000			27.0000		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	141.0000	207.0000			0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.3100	0.6700			0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		27500.0000	30300.0000			45.0000		3.7000
CHROMIUM, TOTAL	1.0000	7.0000		5.1000	10.3000			0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		3.9000	9.9000			0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		22.9000	44.9000			6.0000		0.0000 ND
IRON	0.8000	7.0000		7860.0000	18000.0000			50.0000		0.0000 ND
LEAD	3.0000	50.0000	400.0000	4.9000	10.1000			0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		3150.0000	6930.0000			0.0000 ND		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	132.0000	415.0000			0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	10.0000	13.1000			0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		827.0000	2220.0000			0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		86.8000	194.0000			76.0000		0.0000 ND
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	26.0000	32.4000			0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	25.5000	58.8000			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-232: Sewage Ejector Unit ST232 Bldg 1046
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-232-02-0812 Lab ID: P268716	Field ID: KAFB-232-02-1316 Lab ID: P268717	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-231-04049 Lab ID: P268709	Ambient Blank Field ID: Lab ID:	Lab ID: P270650
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

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FILE

Kirtland Air Force Base
Albuquerque, New Mexico

RCRA Facility Investigation (RFI)
Stage 2B

Appendix G - Volume IV of V

FINAL DRAFT - December 8, 1994

377 ABW/EMR
2000 Wyoming Blvd SE
Kirtland AFB, New Mexico 87117-5659

Kirtland Air Force Base
Albuquerque, New Mexico

FILE

RCRA Facility Investigation (RFI)
Stage 2B

Appendix G - Volume IV of V

FINAL DRAFT - December 8, 1994

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2000 Wyoming Blvd SE
Kirtland AFB, New Mexico 87117-5659

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Appendix L Quality Assurance and Quality Control for Production of Documents

APPENDIX G

Appendix G is divided into two sections:

- ***Section 1—Sample Identification Cross-Reference Table***. Data in this table allow correlation of Quality Control samples with specific environmental samples. It also contains data that link specific field Quality Control samples (trip blanks, equipment blanks, and ambient condition blanks) with specified environmental samples. This section appears in Volume 1 of 5 of Appendix G.

- ***Section 2—Analytical Data Summary***. This section lists the sample results from each site, analytical method, and sample matrix. This table also includes information about any data which were qualified during the data validation procedures. This section appears in Volumes 2 through 5 of Appendix G.

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-232: Sewage Ejector Unit ST232 Bldg 1046
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-232-02-0812 Lab ID: P268716	Field ID: KAFB-232-02-1316 Lab ID: P268717	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-231-04049 Lab ID: P268709	Ambient Blank Field ID: Lab ID:	Lab ID: P273817
GASOLINE COMPONENTS	100.0000	1.0000		140.0000	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-232: Sewage Ejector Unit ST232 Bldg 1046
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-232-02-0812 Lab ID: P268716	Field ID: KAFB-232-02-1316 Lab ID: P268717	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-231-04049 Lab ID: P268709	Ambient Blank Field ID: Lab ID:	Lab ID: P270228
DIESEL COMPONENTS	70.0000	10.0000		0.0000 ND	0.0000 ND			51.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-232: Sewage Ejector Unit ST232 Bldg 1046
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-232-02-0812 Lab ID: 0347930006SA	Field ID: KAFB-232-02-1316 Lab ID: 0347930005SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-040494 Lab ID: 0347930019TB	Equipment Blank Field ID: KAFB-EB-231-04049 Lab ID: 0347930020EB	Ambient Blank Field ID: KAFB-AB-231-04049 Lab ID: 0347930018AB	Lab ID:
1,1,1-TRICHLOROETHANE	0.0003	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
1,1,2,2-TETRACHLOROETHANE	0.0009	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
1,1,2-TRICHLOROETHANE	0.0005	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
1,1-DICHLOROETHANE	0.0004	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
1,1-DICHLOROETHENE	0.0006	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
1,2-DICHLOROETHANE	0.0004	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
1,2-DICHLOROETHANE-D4	N/A	N/A		98.0000 %	94.0000 %		95.0000 %	94.0000 %	95.0000 %	
1,2-DICHLOROPROPANE	0.0003	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		104.0000 %	102.0000 %		104.0000 %	100.0000 %	101.0000 %	
2-CHLOROETHYL VINYL ETHER	0.0054	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
2-HEXANONE	0.0012	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
ACETONE	0.0039	0.1000	8000.000	0.0170	0.0210		46.0000 =	33.0000	12.0000	
BENZENE	0.0002	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
BROMODICHLOROMETHANE	0.0002	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
BROMOFORM	0.0006	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
BROMOMETHANE	0.0004	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
CARBON DISULFIDE	0.0008	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
CARBON TETRACHLORIDE	0.0003	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
CHLOROBENZENE	0.0002	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
CHLOROETHANE	0.0010	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
CHLOROFORM	0.0002	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
CHLOROMETHANE	0.0006	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
DIBROMOCHLOROMETHANE	0.0004	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
ETHYLBENZENE	0.0002	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
METHYL ETHYL KETONE (2-BUTANONE)	0.0022	0.1000	48000.00	0.0032 TR	0.0000 ND		1.9000 TR	3.6000 TR	0.0000 ND	
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0012	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
METHYLENE CHLORIDE	0.0003	0.0050	93.3000	0.0023 TR	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
STYRENE	0.0002	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
TETRACHLOROETHYLENE(PCE)	0.0002	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
TOLUENE	0.0003	0.0050	16000.00	0.0037	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
TOLUENE-D8	N/A	0.0050		100.0000 %	100.0000 %		97.0000 %	98.0000 %	98.0000 %	
TRICHLOROETHYLENE (TCE)	0.0003	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
VINYL ACETATE	0.0007	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
VINYL CHLORIDE	0.0004	0.0100		0.0000 ND	0.0000 ND		3.1000 TR	3.2000 TR	0.0000 ND	
XYLENES, TOTAL	0.0007	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
cis-1,3-DICHLOROPROPENE	0.0007	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
trans-1,2-DICHLOROETHENE	0.0009	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
trans-1,3-DICHLOROPROPENE	0.0003	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	

Base: KIRTLAND AFB
Site: ST-232: Sewage Ejector Unit ST232 Bldg 1046
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

ANALYTCAL DATA SUMMARY

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-232-02-0812 Lab ID: P268716	Field ID: KAFB-232-02-1316 Lab ID: P268717	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-231-04049 Lab ID: P268709	Ambient Blank Field ID: Lab ID:	Lab ID: P270230
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		51.0000	52.0000			59.0000		50.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		32.0000	32.0000			31.0000		29.0000
2-FLUOROPHENOL	N/A	N/A		52.0000	52.0000			38.0000		48.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-232: Sewage Ejector Unit ST232 Bldg 1046
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-232-02-0812 Lab ID: P268716	Field ID: KAFB-232-02-1316 Lab ID: P268717	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-231-04049 Lab ID: P268709	Ambient Blank Field ID: Lab ID:	Lab ID: P270230
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		30.0000	30.0000			30.0000		28.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		61.0000	61.0000			30.0000		53.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		34.0000	34.0000			34.0000		28.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	100.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-232: Sewage Ejector Unit ST232 Bldg 1046
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-232-02-0812 Lab ID: P268716	Field ID: KAFB-232-02-1316 Lab ID: P268717	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.2000	8.3000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-233: Area Drain ST-233 Building 1046
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-233-01-0811 Lab ID: 1051570007SA	Field ID: KAFB-233-01-1519 Lab ID: 1051570008SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		4.7000	8.1000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-233: Area Drain ST-233 Building 1046
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: *Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-233-01-0811 Lab ID: P268459	Field ID: KAFB-233-01-1519 Lab ID: P268460	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-227-03309 Lab ID: P268451	Ambient Blank Field ID: Lab ID:	Lab ID: P270338
ALUMINUM	2.0000	50.0000		8290.0000	9180.0000			0.0000 ND		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	22.2000	33.4000			0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	884.0000	139.0000			0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.4300	0.5500			0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.9900			0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		23100.0000	28600.0000			57.0000		0.0000 ND
CHROMIUM, TOTAL	1.0000	7.0000		8.2000	10.6000			14.0000		0.0000 ND
COBALT	1.0000	7.0000		5.4000	7.7000			0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		12.7000	41.1000			14.0000		0.0000 ND
IRON	0.8000	7.0000		11800.0000	16700.0000			46.0000		0.0000 ND
LEAD	3.0000	50.0000	400.0000	7.1000	9.3000			0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		4190.0000	6390.0000			0.0000 ND		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	211.0000	313.0000			0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	14.7000	11.6000			0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		1490.0000	1890.0000			0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		96.3000	93.2000			146.0000		0.0000 ND
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	29.8000	30.4000			0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	30.4000	52.0000			17.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-233: Area Drain ST-233 Building 1046
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-233-01-0811 Lab ID: P268459	Field ID: KAFB-233-01-1519 Lab ID: P268460	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-227-03309 Lab ID: P268451	Ambient Blank Field ID: Lab ID:	Lab ID: P270392
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-233: Area Drain ST-233 Building 1046
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-233-01-0811 Lab ID: P268459	Field ID: KAFB-233-01-1519 Lab ID: P268460	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-227-03309 Lab ID: P268451	Ambient Blank Field ID: Lab ID:	Lab ID: P273798
GASOLINE COMPONENTS	100.0000	1.0000		0.0000 ND	260.0000			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-233: Area Drain ST-233 Building 1046
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-233-01-0811 Lab ID: P268459	Field ID: KAFB-233-01-1519 Lab ID: P268460	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-227-03309 Lab ID: P268451	Ambient Blank Field ID: Lab ID:	Lab ID: P270186
DIESEL COMPONENTS	70.0000	10.0000		2200.0000	2300.0000			0.0000 ND		0.0000 ND

Base: KIRTLAND AFB
Site: ST-233: Area Drain ST-233 Building 1046
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

ANALYTCAL DATA SUMMARY

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-233-01-0811 Lab ID: 1051570007SA	Field ID: KAFB-233-01-1519 Lab ID: 1051570008SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-033094 Lab ID: 1051570025TB	Equipment Blank Field ID: KAFB-EB-227-03309 Lab ID: 1051570010EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0052	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0052	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0052	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0052	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0052	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0052	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		98.0000 %	98.0000 %		105.0000 %	106.0000 %		
1,2-DICHLOROPROPANE	0.0052	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		105.0000 %	101.0000 %		101.0000 %	108.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0100	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0100	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ACETONE	0.0100	0.1000	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	21.0000		
BENZENE	0.0052	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0052	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0052	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0100	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0052	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0052	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0052	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0100	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0052	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0100	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0052	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0052	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0100	0.1000	48000.00	0.0000 ND	0.0000 ND		0.0000 ND	11.0000		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0100	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0052	0.0050	93.3000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
STYRENE	0.0052	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0052	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0052	0.0050	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	26.0000		
TOLUENE-D8	N/A	0.0050		107.0000 %	104.0000 %		98.0000 %	99.0000 %		
TRICHLOROETHYLENE (TCE)	0.0052	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0100	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0100	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0052	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0052	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0052	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0052	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-233: Area Drain ST-233 Building 1046
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-233-01-0811 Lab ID: P268459	Field ID: KAFB-233-01-1519 Lab ID: P268460	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-227-03309 Lab ID: P268451	Ambient Blank Field ID: Lab ID:	Lab ID: P270104
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		67.0000	65.0000			50.0000		50.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		43.0000	43.0000			28.0000		31.0000
2-FLUOROPHENOL	N/A	N/A		89.0000	43.0000			40.0000		59.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-233: Area Drain ST-233 Building 1046
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-233-01-0811 Lab ID: P268459	Field ID: KAFB-233-01-1519 Lab ID: P268460	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-227-03309 Lab ID: P268451	Ambient Blank Field ID: Lab ID:	Lab ID: P270104
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		40.0000	41.0000			30.0000		31.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	1300.0000	1300.0000			0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		93.0000	95.0000			28.0000		64.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		54.0000	54.0000			33.0000		34.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	100.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-233: Area Drain ST-233 Building 1046
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-233-01-0811 Lab ID: P268459	Field ID: KAFB-233-01-1519 Lab ID: P268460	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.3000	8.1000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-233: Area Drain ST-233 Building 1046
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-233-02-0001 Lab ID: 1051570009SA	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		3.3000						

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-233: Area Drain ST-233 Building 1046
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-233-02-0001 Lab ID: P268461	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-227-03309 Lab ID: P268451	Ambient Blank Field ID: Lab ID:	Lab ID: P270338
ALUMINUM	2.0000	50.0000		6560.0000				0.0000 ND		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	24.2000				0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	6.3000				0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	107.0000				0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.4200				0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND				0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		28200.0000				57.0000		0.0000 ND
CHROMIUM, TOTAL	1.0000	7.0000		7.6000				14.0000		0.0000 ND
COBALT	1.0000	7.0000		4.7000				0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		34.4000				14.0000		0.0000 ND
IRON	0.8000	7.0000		9000.0000				46.0000		0.0000 ND
LEAD	3.0000	50.0000	400.0000	16.7000				0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		2480.0000				0.0000 ND		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	155.0000				0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND				0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	5.8000				0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		1490.0000				0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND				0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND				0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		80.0000				146.0000		0.0000 ND
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND				0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	17.4000				0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	36.8000				17.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-233: Area Drain ST-233 Building 1046
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-233-02-0001 Lab ID: P268461	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-227-03309 Lab ID: P268451	Ambient Blank Field ID: Lab ID:	Lab ID: P270392
MERCURY	0.1000	0.1000		0.0000 ND				0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-233: Area Drain ST-233 Building 1046
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-233-02-0001 Lab ID: P268461	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-227-03309 Lab ID: P268451	Ambient Blank Field ID: Lab ID:	Lab ID: P273800
GASOLINE COMPONENTS	100.0000	1.0000		0.0000 ND				0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-233: Area Drain ST-233 Building 1046
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-233-02-0001 Lab ID: P268461	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-227-03309 Lab ID: P268451	Ambient Blank Field ID: Lab ID:	Lab ID: P270186
DIESEL COMPONENTS	70.0000	10.0000		2400.0000				0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-233: Area Drain ST-233 Building 1046
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-233-02-0001 Lab ID: 1051570009SA	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-033094 Lab ID: 1051570025TB	Equipment Blank Field ID: KAFB-EB-227-03309 Lab ID: 1051570010EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0052	0.0050		0.0000 ND			0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0052	0.0050	35.0000	0.0000 ND			0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0052	0.0050	123.0000	0.0000 ND			0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0052	0.0050		0.0000 ND			0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0052	0.0050		0.0000 ND			0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0052	0.0050	7.6900	0.0000 ND			0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		101.0000 %			105.0000 %	106.0000 %		
1,2-DICHLOROPROPANE	0.0052	0.0050		0.0000 ND			0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		93.0000 %			101.0000 %	108.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0100	0.0100		0.0000 ND			0.0000 ND	0.0000 ND		
2-HEXANONE	0.0100	0.0500		0.0000 ND			0.0000 ND	0.0000 ND		
ACETONE	0.0100	0.1000	8000.000	0.0000 ND			0.0000 ND	21.0000		
BENZENE	0.0052	0.0050	24.1000	0.0000 ND			0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0052	0.0050		0.0000 ND			0.0000 ND	0.0000 ND		
BROMOFORM	0.0052	0.0050	88.6000	0.0000 ND			0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0100	0.0100	32.0000	0.0000 ND			0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0052	0.0050	8000.000	0.0000 ND			0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0052	0.0050		0.0000 ND			0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0052	N/A	2160.000	0.0000 ND			0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0100	0.0100		0.0000 ND			0.0000 ND	0.0000 ND		
CHLOROFORM	0.0052	0.0050		0.0000 ND			0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0100	0.0100		0.0000 ND			0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0052	0.0050		0.0000 ND			0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0052	0.0050	8000.000	0.0000 ND			0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0100	0.1000	48000.00	0.0000 ND			0.0000 ND	11.0000		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0100	0.0500		0.0000 ND			0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0052	0.0050	93.3000	0.0000 ND			0.0000 ND	0.0000 ND		
STYRENE	0.0052	0.0050		0.0000 ND			0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0052	0.0050	800.0000	0.0000 ND			0.0000 ND	0.0000 ND		
TOLUENE	0.0052	0.0050	16000.00	0.0000 ND			0.0000 ND	26.0000		
TOLUENE-D8	N/A	0.0050		116.0000 %			98.0000 %	99.0000 %		
TRICHLOROETHYLENE (TCE)	0.0052	0.0050	63.6000	0.0000 ND			0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0100	0.0500		0.0000 ND			0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0100	0.0100		0.0000 ND			0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0052	0.0050	160000.0	0.0000 ND			0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0052	0.0050		0.0000 ND			0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0052	0.0050		0.0000 ND			0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0052	0.0050		0.0000 ND			0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-233: Area Drain ST-233 Building 1046
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-233-02-0001 Lab ID: P268461	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-227-03309 Lab ID: P268451	Ambient Blank Field ID: Lab ID:	Lab ID: P270104
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND				0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND				0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		61.0000				50.0000		50.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND				0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND				0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND				0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND				0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND				0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		34.0000				28.0000		31.0000
2-FLUOROPHENOL	N/A	N/A		65.0000				40.0000		59.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND				0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND				0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND				0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND				0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND				0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND				0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND				0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND				0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND				0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND				0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND				0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND				0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND				0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND				0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND				0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND				0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND				0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND				0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND				0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-233: Area Drain ST-233 Building 1046
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-233-02-0001 Lab ID: P268461	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-227-03309 Lab ID: P268451	Ambient Blank Field ID: Lab ID:	Lab ID: P270104
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND				0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND				0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	200.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND				0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND				0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		33.0000				30.0000		31.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND				0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	460.0000				0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		67.0000				28.0000		64.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND				0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		37.0000				33.0000		34.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	100.0000	0.7000		0.0000 ND				0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND				0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-233: Area Drain ST-233 Building 1046
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-233-02-0001 Lab ID: P268461	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.0000						

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-234: Oil/Water Separator ST234 Bldg 1051
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-234-01-0810 Lab ID: 0355510003SA	Field ID: KAFB-234-01-1315 Lab ID: 0355510004SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		7.2000	7.4000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-234: Oil/Water Separator ST234 Bldg 1051
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-234-01-0810 Lab ID: 0355510003SA	Field ID: KAFB-234-01-1315 Lab ID: 0355510004SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-234-05189 Lab ID: 0355510002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		103.0000 %	98.0000 %			104.0000 %		
BENZENE	0.0270	N/A	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0270	N/A	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
GASOLINE COMPONENTS	0.5400	N/A		0.0000 ND	0.0000 ND			0.0000 ND		
TOLUENE	0.0270	N/A	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0270	N/A	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.4300 TR		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-234: Oil/Water Separator ST234 Bldg 1051
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-234-01-0810 Lab ID: P273341	Field ID: KAFB-234-01-1315 Lab ID: P273342	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-234-05189 Lab ID: P273340	Ambient Blank Field ID: Lab ID:	Lab ID: P274997
ALUMINUM	2.0000	50.0000		7020.0000	9260.0000			60.0000		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	7.6000			0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	37.7000	362.0000			0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.3200	0.5500			0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		13400.0000	48300.0000			114.0000		2.2000
CHROMIUM, TOTAL	1.0000	7.0000		6.5000	9.7000			0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		4.1000	7.8000			0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		16.0000	24.8000			6.0000		0.0000 ND
IRON	0.8000	7.0000		10200.0000	15600.0000			119.0000		1.2000
LEAD	3.0000	50.0000	400.0000	7.7000	8.0000			0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		3590.0000	6570.0000			180.0000		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	174.0000	299.0000			0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	5.9000	9.7000			0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		1230.0000	1270.0000			0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		93.2000	417.0000			113.0000		5.7000
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	21.4000	31.1000			0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	25.0000	40.1000			10.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-234: Oil/Water Separator ST234 Bldg 1051
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-234-01-0810 Lab ID: P273341	Field ID: KAFB-234-01-1315 Lab ID: P273342	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-234-05189 Lab ID: P273340	Ambient Blank Field ID: Lab ID:	Lab ID: P275208
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-234: Oil/Water Separator ST234 Bldg 1051
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-234-01-0810 Lab ID: P273341	Field ID: KAFB-234-01-1315 Lab ID: P273342	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-234-05189 Lab ID: P273340	Ambient Blank Field ID: Lab ID:	Lab ID: P275077
DIESEL COMPONENTS	70.0000	10.0000		720.0000	550.0000			70.0000		0.0000 ND
PENTACOSANE	N/A	N/A		3360.0000	3780.0000			66.0000		3610.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-234: Oil/Water Separator ST234 Bldg 1051
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-234-01-0810 Lab ID: 0355510003SA	Field ID: KAFB-234-01-1315 Lab ID: 0355510004SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-051894 Lab ID: 0355510001TB	Equipment Blank Field ID: KAFB-EB-234-05189 Lab ID: 0355510002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0032	0.0050		0.0000 ND	0.0000 ND		6.1000 =	5.6000		
1,1,2,2-TETRACHLOROETHANE	0.0054	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0054	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0043	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0054	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0043	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		99.0000 %	93.0000 %		96.0000 %	96.0000 %		
1,2-DICHLOROPROPANE	0.0032	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		97.0000 %	91.0000 %		96.0000 %	95.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ACETONE	0.0110	0.1000	8000.000	0.0045 TR	0.0000 ND		2.3000 TR	0.0000 ND		
BENZENE	0.0022	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0022	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0054	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0043	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0054	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0032	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0022	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0022	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0065	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0043	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0022	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0032	0.0050	93.3000	0.0070	0.0049		4.9000 =	4.0000		
STYRENE	0.0054	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0022	0.0050	800.0000	0.0000 ND	0.0000 ND		14.0000 =	14.0000		
TOLUENE	0.0032	0.0050	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		94.0000 %	93.0000 %		94.0000 %	94.0000 %		
TRICHLOROETHYLENE (TCE)	0.0032	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0075	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0043	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0054	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.4300 TR		
cis-1,3-DICHLOROPROPENE	0.0054	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0054	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0032	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-234: Oil/Water Separator ST234 Bldg 1051
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-234-01-0810 Lab ID: P273341	Field ID: KAFB-234-01-1315 Lab ID: P273342	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-234-05189 Lab ID: P273340	Ambient Blank Field ID: Lab ID:	Lab ID: P275075
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		82.0000	88.0000			100.0000		85.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		39.0000	39.0000			75.0000		39.0000
2-FLUOROPHENOL	N/A	N/A		75.0000	75.0000			85.0000		73.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

Base: KIRTLAND AFB
Site: ST-234: Oil/Water Separator ST234 Bldg 1051
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

ANALYTCAL DATA SUMMARY

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-234-01-0810 Lab ID: P273341	Field ID: KAFB-234-01-1315 Lab ID: P273342	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-234-05189 Lab ID: P273340	Ambient Blank Field ID: Lab ID:	Lab ID: P275075
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		40.0000	40.0000			75.0000		40.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	210.0000			0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		73.0000	72.0000			70.0000		72.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		39.0000	39.0000			70.0000		40.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	100.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-234: Oil/Water Separator ST234 Bldg 1051
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-234-01-0810 Lab ID: P273341	Field ID: KAFB-234-01-1315 Lab ID: P273342	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.5000	8.4000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-234: Oil/Water Separator ST234 Bldg 1051
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-234-02-0811 Lab ID: 0355510005SA	Field ID: KAFB-234-02-1316 Lab ID: 0355510006SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		13.0000	12.0000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-234: Oil/Water Separator ST234 Bldg 1051
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-234-02-0811 Lab ID: 0355510005SA	Field ID: KAFB-234-02-1316 Lab ID: 0355510006SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-234-05189 Lab ID: 0355510002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		100.0000 %	99.0000 %			104.0000 %		
BENZENE	0.0290	N/A	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0290	N/A	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
GASOLINE COMPONENTS	0.5700	N/A		0.0000 ND	0.0000 ND			0.0000 ND		
TOLUENE	0.0290	N/A	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0290	N/A	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.4300 TR		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-234: Oil/Water Separator ST234 Bldg 1051
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: *Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-234-02-0811 Lab ID: P273343	Field ID: KAFB-234-02-1316 Lab ID: P273344	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-234-05189 Lab ID: P273340	Ambient Blank Field ID: Lab ID:	Lab ID: P274997
ALUMINUM	2.0000	50.0000		8390.0000	7090.0000			60.0000		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	83.1000	145.0000			0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.4300	0.4300			0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		28900.0000	45700.0000			114.0000		2.2000
CHROMIUM, TOTAL	1.0000	7.0000		7.9000	11.8000			0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		5.9000	6.2000			0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		34.3000	238.0000			6.0000		0.0000 ND
IRON	0.8000	7.0000		12700.0000	13300.0000			119.0000		1.2000
LEAD	3.0000	50.0000	400.0000	7.6000	7.0000			0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		4540.0000	4770.0000			180.0000		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	267.0000	238.0000			0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	12.9000	31.1000			0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		1770.0000	1550.0000			0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		129.0000	152.0000			113.0000		5.7000
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	27.1000	26.6000			0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	37.2000	102.0000			10.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-234: Oil/Water Separator ST234 Bldg 1051
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-234-02-0811 Lab ID: P273343	Field ID: KAFB-234-02-1316 Lab ID: P273344	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-234-05189 Lab ID: P273340	Ambient Blank Field ID: Lab ID:	Lab ID: P275208
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-234: Oil/Water Separator ST234 Bldg 1051
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-234-02-0811 Lab ID: P273343	Field ID: KAFB-234-02-1316 Lab ID: P273344	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-234-05189 Lab ID: P273340	Ambient Blank Field ID: Lab ID:	Lab ID: P275077
DIESEL COMPONENTS	70.0000	10.0000		580.0000	540.0000			70.0000		0.0000 ND
PENTACOSANE	N/A	N/A		3700.0000	3640.0000			66.0000		3610.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-234: Oil/Water Separator ST234 Bldg 1051
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-234-02-0811 Lab ID: 0355510005SA	Field ID: KAFB-234-02-1316 Lab ID: 0355510006SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-051894 Lab ID: 0355510001TB	Equipment Blank Field ID: KAFB-EB-234-05189 Lab ID: 0355510002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0034	0.0050		0.0000 ND	0.0000 ND		6.1000 =	5.6000		
1,1,2,2-TETRACHLOROETHANE	0.0057	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0057	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0046	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0057	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0046	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		94.0000 %	95.0000 %		96.0000 %	96.0000 %		
1,2-DICHLOROPROPANE	0.0034	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		92.0000 %	94.0000 %		96.0000 %	95.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ACETONE	0.0110	0.1000	8000.000	0.0000 ND	0.0000 ND		2.3000 TR	0.0000 ND		
BENZENE	0.0023	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0023	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0057	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0046	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0057	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0034	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0023	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0023	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0069	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0046	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0023	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0034	0.0050	93.3000	0.0042	0.0052		4.9000 =	4.0000		
STYRENE	0.0057	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0023	0.0050	800.0000	0.0000 ND	0.0000 ND		14.0000 =	14.0000		
TOLUENE	0.0034	0.0050	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		94.0000 %	95.0000 %		94.0000 %	94.0000 %		
TRICHLOROETHYLENE (TCE)	0.0034	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0080	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0046	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0057	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.4300 TR		
cis-1,3-DICHLOROPROPENE	0.0057	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0057	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0034	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-234: Oil/Water Separator ST234 Bldg 1051
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-234-02-0811 Lab ID: P273343	Field ID: KAFB-234-02-1316 Lab ID: P273344	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-234-05189 Lab ID: P273340	Ambient Blank Field ID: Lab ID:	Lab ID: P275075
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		79.0000	84.0000			100.0000		85.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		39.0000	39.0000			75.0000		39.0000
2-FLUOROPHENOL	N/A	N/A		64.0000	68.0000			85.0000		73.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-234: Oil/Water Separator ST234 Bldg 1051
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-234-02-0811 Lab ID: P273343	Field ID: KAFB-234-02-1316 Lab ID: P273344	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-234-05189 Lab ID: P273340	Ambient Blank Field ID: Lab ID:	Lab ID: P275075
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		40.0000	41.0000			75.0000		40.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		69.0000	72.0000			70.0000		72.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		41.0000	39.0000			70.0000		40.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-234: Oil/Water Separator ST234 Bldg 1051
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-234-02-0811 Lab ID: P273343	Field ID: KAFB-234-02-1316 Lab ID: P273344	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.0000	8.5000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-234: Oil/Water Separator ST234 Bldg 1051
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-234-03-0811 Lab ID: 0355510007SA	Field ID: KAFB-234-03-1315 Lab ID: 0355510008SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		8.3000	4.8000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-234: Oil/Water Separator ST234 Bldg 1051
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-234-03-0811 Lab ID: 0355510007SA	Field ID: KAFB-234-03-1315 Lab ID: 0355510008SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-234-05189 Lab ID: 0355510002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		106.0000 %	104.0000 %			104.0000 %		
BENZENE	0.0270	N/A	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0270	N/A	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
GASOLINE COMPONENTS	0.5500	N/A		0.0000 ND	0.0000 ND			0.0000 ND		
TOLUENE	0.0270	N/A	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0270	N/A	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.4300 TR		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-234: Oil/Water Separator ST234 Bldg 1051
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-234-03-0811 Lab ID: P273345	Field ID: KAFB-234-03-1315 Lab ID: P273346	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-234-05189 Lab ID: P273340	Ambient Blank Field ID: Lab ID:	Lab ID: P274997
ALUMINUM	2.0000	50.0000		7140.0000	8340.0000			60.0000		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	7.4000			0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	136.0000	105.0000			0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.4500	0.5600			0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		34800.0000	47900.0000			114.0000		2.2000
CHROMIUM, TOTAL	1.0000	7.0000		7.5000	10.6000			0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		5.4000	5.9000			0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		90.0000	165.0000			6.0000		0.0000 ND
IRON	0.8000	7.0000		10400.0000	14300.0000			119.0000		1.2000
LEAD	3.0000	50.0000	400.0000	9.2000	7.6000			0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		4440.0000	5820.0000			180.0000		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	164.0000	248.0000			0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	10.2000	9.9000			0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		1400.0000	1600.0000			0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		161.0000	247.0000			113.0000		5.7000
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	24.5000	28.1000			0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	57.8000	87.6000			10.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-234: Oil/Water Separator ST234 Bldg 1051
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-234-03-0811 Lab ID: P273345	Field ID: KAFB-234-03-1315 Lab ID: P273346	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-234-05189 Lab ID: P273340	Ambient Blank Field ID: Lab ID:	Lab ID: P275208
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-234: Oil/Water Separator ST234 Bldg 1051
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-234-03-0811 Lab ID: P273345	Field ID: KAFB-234-03-1315 Lab ID: P273346	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-234-05189 Lab ID: P273340	Ambient Blank Field ID: Lab ID:	Lab ID: P275077
DIESEL COMPONENTS	70.0000	10.0000		560.0000	560.0000			70.0000		0.0000 ND
PENTACOSANE	N/A	N/A		3640.0000	3790.0000			66.0000		3610.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-234: Oil/Water Separator ST234 Bldg 1051
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-234-03-0811 Lab ID: 0355510007SA	Field ID: KAFB-234-03-1315 Lab ID: 0355510008SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-051894 Lab ID: 0355510001TB	Equipment Blank Field ID: KAFB-EB-234-05189 Lab ID: 0355510002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0033	0.0050		0.0000 ND	0.0000 ND		6.1000 =	5.6000		
1,1,2,2-TETRACHLOROETHANE	0.0054	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0054	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0044	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0054	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0044	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		96.0000 %	96.0000 %		96.0000 %	96.0000 %		
1,2-DICHLOROPROPANE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		95.0000 %	93.0000 %		96.0000 %	95.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ACETONE	0.0110	0.1000	8000.000	0.0000 ND	0.0033 TR		2.3000 TR	0.0000 ND		
BENZENE	0.0022	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0022	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0054	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0044	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0054	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0022	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0022	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0065	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0044	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0022	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0033	0.0050	93.3000	0.0070	0.0073		4.9000 =	4.0000		
STYRENE	0.0054	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0022	0.0050	800.0000	0.0000 ND	0.0000 ND		14.0000 =	14.0000		
TOLUENE	0.0033	0.0050	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		94.0000 %	94.0000 %		94.0000 %	94.0000 %		
TRICHLOROETHYLENE (TCE)	0.0033	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0076	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0044	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0054	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.4300 TR		
cis-1,3-DICHLOROPROPENE	0.0054	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0054	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-234: Oil/Water Separator ST234 Bldg 1051
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-234-03-0811 Lab ID: P273345	Field ID: KAFB-234-03-1315 Lab ID: P273346	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-234-05189 Lab ID: P273340	Ambient Blank Field ID: Lab ID:	Lab ID: P275075
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		94.0000	83.0000			100.0000		85.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		40.0000	39.0000			75.0000		39.0000
2-FLUOROPHENOL	N/A	N/A		76.0000	67.0000			85.0000		73.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-234: Oil/Water Separator ST234 Bldg 1051
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-234-03-0811 Lab ID: P273345	Field ID: KAFB-234-03-1315 Lab ID: P273346	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-234-05189 Lab ID: P273340	Ambient Blank Field ID: Lab ID:	Lab ID: P275075
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		41.0000	40.0000			75.0000		40.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		74.0000	72.0000			70.0000		72.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		41.0000	39.0000			70.0000		40.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-234: Oil/Water Separator ST234 Bldg 1051
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-234-03-0811 Lab ID: P273345	Field ID: KAFB-234-03-1315 Lab ID: P273346	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.4000	8.7000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-234: Oil/Water Separator ST234 Bldg 1051
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-234-04-0814 Lab ID: 0355510009SA	Field ID: KAFB-234-99-0814 Lab ID: 0355510009SA	Field ID: KAFB-234-04-1419 Lab ID: 0355510011SA	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		7.9000	10.0000	1.9000				
MOISTURE, PERCENT	N/A	N/A		1.9000						

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-234: Oil/Water Separator ST234 Bldg 1051
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-234-04-0814 Lab ID: 0355510009SA	Field ID: KAFB-234-99-0814 Lab ID: 0355510009SA	Field ID: KAFB-234-04-1419 Lab ID: 0355510011MS	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-234-05189 Lab ID: 0355510002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		98.0000 %	102.0000 %	108.0000 %		104.0000 %		
BENZENE	0.0270	N/A	24.1000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0270	N/A	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
GASOLINE COMPONENTS	0.5400	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
TOLUENE	0.0270	N/A	16000.00	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0270	N/A	160000.0	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.4300 TR		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-234: Oil/Water Separator ST234 Bldg 1051
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-234-04-0814 Lab ID: P273347	Field ID: KAFB-234-99-0814 Lab ID: P273347	Field ID: KAFB-234-04-1419 Lab ID: P273349	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-234-05189 Lab ID: P273340	Ambient Blank Field ID: Lab ID:	Lab ID: P274997
ALUMINUM	2.0000	50.0000		9350.0000	6140.0000	5700.0000		60.0000		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	93.7000	125.0000	119.0000		0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.5600	0.4300	0.4400		0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	2.1000	0.0000 ND		0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		64400.0000	35700.0000	40900.0000		114.0000		2.2000
CHROMIUM, TOTAL	1.0000	7.0000		9.2000	11.5000	6.7000		0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		6.2000	4.3000	6.3000		0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		106.0000	56.2000	68.5000		6.0000		0.0000 ND
IRON	0.8000	7.0000		12700.0000	9610.0000	11600.0000		119.0000		1.2000
LEAD	3.0000	50.0000	400.0000	9.2000	37.6000	9.4000		0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		5220.0000	4010.0000	5120.0000		180.0000		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	215.0000	200.0000	264.0000		0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	9.6000	43.3000	7.3000		0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		2060.0000	1370.0000	1210.0000		0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.3300	0.0000 ND		0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		174.0000	141.0000	123.0000		113.0000		5.7000
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	25.7000	20.8000	22.8000		0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	57.7000	75.7000	51.3000		10.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-234: Oil/Water Separator ST234 Bldg 1051
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-234-04-0814 Lab ID: P273347	Field ID: KAFB-234-99-0814 Lab ID: P273347	Field ID: KAFB-234-04-1419 Lab ID: P273349	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-234-05189 Lab ID: P273340	Ambient Blank Field ID: Lab ID:	Lab ID: P275208
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-234: Oil/Water Separator ST234 Bldg 1051
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-234-04-0814 Lab ID: P273347	Field ID: KAFB-234-99-0814 Lab ID: P273347	Field ID: KAFB-234-04-1419 Lab ID: P273349	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-234-05189 Lab ID: P273340	Ambient Blank Field ID: Lab ID:	Lab ID: P275077
DIESEL COMPONENTS	70.0000	10.0000		810.0000	430.0000	410.0000		70.0000		0.0000 ND
PENTACOSANE	N/A	N/A		3760.0000	3680.0000	3875.0000		66.0000		3610.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-234: Oil/Water Separator ST234 Bldg 1051
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-234-04-0814 Lab ID: 0355510009SA	Field ID: KAFB-234-99-0814 Lab ID: 0355510009SA	Field ID: KAFB-234-04-1419 Lab ID: 0355510011MS	Trip Blank Field ID: KAFB-TB-01-051894 Lab ID: 0355510001TB	Equipment Blank Field ID: KAFB-EB-234-05189 Lab ID: 0355510002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0033	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	6.1000 =	5.6000		
1,1,2,2-TETRACHLOROETHANE	0.0054	0.0050	35.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0054	0.0050	123.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0043	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0054	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0043	0.0050	7.6900	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		94.0000 %	96.0000 %	96.0000 %	96.0000 %	96.0000 %		
1,2-DICHLOROPROPANE	0.0033	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		96.0000 %	96.0000 %	93.0000 %	96.0000 %	95.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
2-HEXANONE	0.0110	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ACETONE	0.0110	0.1000	8000.000	0.0000 ND	0.0055 TR	0.0000 ND	2.3000 TR	0.0000 ND		
BENZENE	0.0022	0.0050	24.1000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0022	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMOFORM	0.0054	0.0050	88.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0043	0.0100	32.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0054	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0033	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0022	N/A	2160.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROFORM	0.0022	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0065	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0043	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0022	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0033	0.0050	93.3000	0.0071	0.0091	0.0065	4.9000 =	4.0000		
STYRENE	0.0054	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0022	0.0050	800.0000	0.0000 ND	0.0000 ND	0.0000 ND	14.0000 =	14.0000		
TOLUENE	0.0033	0.0050	16000.00	0.0000 ND	0.0000 ND	0.0012 TR	0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		95.0000 %	96.0000 %	97.0000 %	94.0000 %	94.0000 %		
TRICHLOROETHYLENE (TCE)	0.0033	0.0050	63.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0076	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0043	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0054	0.0050	160000.0	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.4300 TR		
cis-1,3-DICHLOROPROPENE	0.0054	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0054	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0033	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		

Base: KIRTLAND AFB
Site: ST-234: Oil/Water Separator ST234 Bldg 1051
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

ANALYTCAL DATA SUMMARY

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-234-04-0814 Lab ID: P273347	Field ID: KAFB-234-99-0814 Lab ID: P273347	Field ID: KAFB-234-04-1419 Lab ID: P273349	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-234-05189 Lab ID: P273340	Ambient Blank Field ID: Lab ID:	Lab ID: P275075
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		86.0000	90.0000	76.0000		100.0000		85.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		39.0000	39.0000	39.0000		75.0000		39.0000
2-FLUOROPHENOL	N/A	N/A		65.0000	74.0000	67.0000		85.0000		73.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-234: Oil/Water Separator ST234 Bldg 1051
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-234-04-0814 Lab ID: P273347	Field ID: KAFB-234-99-0814 Lab ID: P273347	Field ID: KAFB-234-04-1419 Lab ID: P273349	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-234-05189 Lab ID: P273340	Ambient Blank Field ID: Lab ID:	Lab ID: P275075
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		40.0000	41.0000	40.0000		75.0000		40.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		68.0000	72.0000	66.0000		70.0000		72.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		40.0000	40.0000	39.0000		70.0000		40.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	100.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-234: Oil/Water Separator ST234 Bldg 1051
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-234-04-0814 Lab ID: P273347	Field ID: KAFB-234-99-0814 Lab ID: P273347	Field ID: KAFB-234-04-1419 Lab ID: P273349	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.5000	8.3000	8.4000				
pH	N/A	N/A		8.4000						

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-234: Oil/Water Separator ST234 Bldg 1051
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-234-05-0812 Lab ID: 0355510012SA	Field ID: KAFB-234-05-1315 Lab ID: 0355510013SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		9.6000	13.0000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-234: Oil/Water Separator ST234 Bldg 1051
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-234-05-0812 Lab ID: 0355510012SA	Field ID: KAFB-234-05-1315 Lab ID: 0355510013SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-234-05189 Lab ID: 0355510002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		96.0000 %	98.0000 %			104.0000 %		
BENZENE	0.0280	N/A	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0280	N/A	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
GASOLINE COMPONENTS	0.5500	N/A		0.0000 ND	0.0000 ND			0.0000 ND		
TOLUENE	0.0280	N/A	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0280	N/A	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.4300 TR		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-234: Oil/Water Separator ST234 Bldg 1051
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-234-05-0812 Lab ID: P273350	Field ID: KAFB-234-05-1315 Lab ID: P273351	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-234-05189 Lab ID: P273340	Ambient Blank Field ID: Lab ID:	Lab ID: P275112
ALUMINUM	2.0000	50.0000		7720.0000	7170.0000			60.0000		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	293.0000	107.0000			0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.4500	0.4300			0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		40500.0000	48600.0000			114.0000		3.1000
CHROMIUM, TOTAL	1.0000	7.0000		8.4000	8.5000			0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		6.3000	6.2000			0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		37.5000	43.4000			6.0000		0.0000 ND
IRON	0.8000	7.0000		12000.0000	13300.0000			119.0000		1.8000
LEAD	3.0000	50.0000	400.0000	9.7000	8.0000			0.0000 ND		3.0000
MAGNESIUM	3.0000	30.0000		5000.0000	5250.0000			180.0000		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	198.0000	240.0000			0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	10.6000	8.2000			0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		1430.0000	1450.0000			0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		146.0000	201.0000			113.0000		8.1000
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	26.6000	27.2000			0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	40.5000	40.7000			10.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-234: Oil/Water Separator ST234 Bldg 1051
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-234-05-0812 Lab ID: P273350	Field ID: KAFB-234-05-1315 Lab ID: P273351	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-234-05189 Lab ID: P273340	Ambient Blank Field ID: Lab ID:	Lab ID: P275208
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-234: Oil/Water Separator ST234 Bldg 1051
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-234-05-0812 Lab ID: P273350	Field ID: KAFB-234-05-1315 Lab ID: P273351	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-234-05189 Lab ID: P273340	Ambient Blank Field ID: Lab ID:	Lab ID: P275077
DIESEL COMPONENTS	70.0000	10.0000		480.0000	290.0000			70.0000		0.0000 ND
PENTACOSANE	N/A	N/A		3900.0000	3660.0000			66.0000		3610.0000

Base: KIRTLAND AFB
Site: ST-234: Oil/Water Separator ST234 Bldg 1051
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

ANALYTCAL DATA SUMMARY

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-234-05-0812 Lab ID: 0355510012SA	Field ID: KAFB-234-05-1315 Lab ID: 0355510013SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-051894 Lab ID: 0355510001TB	Equipment Blank Field ID: KAFB-EB-234-05189 Lab ID: 0355510002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0033	0.0050		0.0000 ND	0.0000 ND		6.1000 =	5.6000		
1,1,2,2-TETRACHLOROETHANE	0.0055	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0055	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0044	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0055	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0044	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		97.0000 %	99.0000 %		96.0000 %	96.0000 %		
1,2-DICHLOROPROPANE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		98.0000 %	98.0000 %		96.0000 %	95.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ACETONE	0.0110	0.1000	8000.000	0.0022 TR	0.0000 ND		2.3000 TR	0.0000 ND		
BENZENE	0.0022	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0022	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0055	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0044	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0055	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0022	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0022	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0066	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0044	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0022	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0033	0.0050	93.3000	0.0055	0.0063		4.9000 =	4.0000		
STYRENE	0.0055	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0022	0.0050	800.0000	0.0000 ND	0.0000 ND		14.0000 =	14.0000		
TOLUENE	0.0033	0.0050	16000.00	0.0000 ND	0.0095		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		97.0000 %	96.0000 %		94.0000 %	94.0000 %		
TRICHLOROETHYLENE (TCE)	0.0033	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0077	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0044	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0055	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.4300 TR		
cis-1,3-DICHLOROPROPENE	0.0055	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0055	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-234: Oil/Water Separator ST234 Bldg 1051
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-234-05-0812 Lab ID: P273350	Field ID: KAFB-234-05-1315 Lab ID: P273351	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-234-05189 Lab ID: P273340	Ambient Blank Field ID: Lab ID:	Lab ID: P275075
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		89.0000	87.0000			100.0000		85.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		40.0000	39.0000			75.0000		39.0000
2-FLUOROPHENOL	N/A	N/A		66.0000	64.0000			85.0000		73.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-234: Oil/Water Separator ST234 Bldg 1051
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-234-05-0812 Lab ID: P273350	Field ID: KAFB-234-05-1315 Lab ID: P273351	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-234-05189 Lab ID: P273340	Ambient Blank Field ID: Lab ID:	Lab ID: P275075
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	260.0000	270.0000			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		41.0000	40.0000			75.0000		40.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		68.0000	67.0000			70.0000		72.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		41.0000	39.0000			70.0000		40.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	100.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-234: Oil/Water Separator ST234 Bldg 1051
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-234-05-0812 Lab ID: P273350	Field ID: KAFB-234-05-1315 Lab ID: P273351	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.5000	8.7000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-235: Oil/Water Separator ST235 Bldg 1051
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-235-01-0406 Lab ID: 0355810003SA	Field ID: Lab ID: 0355810003SA	Field ID: KAFB-235-01-0911 Lab ID: 0355810005SA	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		9.7000		16.0000				

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-235: Oil/Water Separator ST235 Bldg 1051
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-235-01-0406 Lab ID: 0355810003SA	Field ID: KAFB-235-01-0911 Lab ID: 0355810005SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-235-05199 Lab ID: 0355810002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		97.0000 %	98.0000 %			90.0000 %		
BENZENE	0.0280	N/A	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
ETHYLBENZENE	0.0280	N/A	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
GASOLINE COMPONENTS	0.5500	N/A		0.0000 ND	0.0000 ND			0.0000 ND		
TOLUENE	0.0280	N/A	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
XYLENES, TOTAL	0.0280	N/A	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-235: Oil/Water Separator ST235 Bldg 1051
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: *Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-235-01-0406 Lab ID: P273416	Field ID: KAFB-235-01-0911 Lab ID: P273417	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-235-05199 Lab ID: P273415	Ambient Blank Field ID: Lab ID:	Lab ID: P274891
ALUMINUM	2.0000	50.0000		13800.0000	11900.0000			0.0000 ND		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	9.3000	0.0000 ND			0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	797.0000	142.0000			0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.9000	0.6600			0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		32500.0000	34200.0000			24.0000		0.0000 ND
CHROMIUM, TOTAL	1.0000	7.0000		12.8000	11.6000			0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		11.0000	7.8000			0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		24.6000	39.2000			20.0000		0.0000 ND
IRON	0.8000	7.0000		19300.0000	16200.0000			11.0000		0.0000 ND
LEAD	3.0000	50.0000	400.0000	13.0000	8.1000			0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		8400.0000	5840.0000			0.0000 ND		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	542.0000	361.0000			0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		2.9000
NICKEL	3.0000	15.0000	1600.000	16.5000	12.3000			0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		2160.0000	2500.0000			0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		463.0000	343.0000			83.0000		5.3000
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	42.1000	34.0000			0.0000 ND		0.5000
ZINC	0.7000	2.0000	24000.00	51.6000	49.7000			15.0000		0.7000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-235: Oil/Water Separator ST235 Bldg 1051
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-235-01-0406 Lab ID: P273416	Field ID: KAFB-235-01-0911 Lab ID: P273417	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-235-05199 Lab ID: P273415	Ambient Blank Field ID: Lab ID:	Lab ID: P275208
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-235: Oil/Water Separator ST235 Bldg 1051
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-235-01-0406 Lab ID: P273416	Field ID: KAFB-235-01-0911 Lab ID: P273417	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-235-05199 Lab ID: P273415	Ambient Blank Field ID: Lab ID:	Lab ID: P274908
DIESEL COMPONENTS	70.0000	10.0000		480.0000	440.0000			0.0000 ND		0.0000 ND
PENTACOSANE	N/A	N/A		2110.0000	2180.0000			59.0000		2010.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-235: Oil/Water Separator ST235 Bldg 1051
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-235-01-0406 Lab ID: 0355810003SA	Field ID: KAFB-235-01-0911 Lab ID: 0355810005SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-051994 Lab ID: 0355810001TB	Equipment Blank Field ID: KAFB-EB-235-05199 Lab ID: 0355810002EB	Ambient Blank Field ID: KAFB-AB-235-05199 Lab ID: 0355810004AB	Lab ID:
1,1,1-TRICHLOROETHANE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
1,1,2,2-TETRACHLOROETHANE	0.0055	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
1,1,2-TRICHLOROETHANE	0.0055	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
1,1-DICHLOROETHANE	0.0044	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
1,1-DICHLOROETHENE	0.0055	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
1,2-DICHLOROETHANE	0.0044	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
1,2-DICHLOROETHANE-D4	N/A	N/A		97.0000 %	98.0000 %		93.0000 %	97.0000 %	98.0000 %	
1,2-DICHLOROPROPANE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		98.0000 %	97.0000 %		98.0000 %	100.0000 %	99.0000 %	
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
2-HEXANONE	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
ACETONE	0.0110	0.1000	8000.000	0.0058 TR	0.0096 TR		0.0000 ND	3.4000 TR	2.0000 TR	
BENZENE	0.0022	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
BROMODICHLOROMETHANE	0.0022	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
BROMOFORM	0.0055	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
BROMOMETHANE	0.0044	0.0100	32.0000	0.0037 TR	0.0018 TR		0.0000 ND	0.0000 ND	0.0000 ND	
CARBON DISULFIDE	0.0055	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
CARBON TETRACHLORIDE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
CHLOROBENZENE	0.0022	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
CHLOROETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
CHLOROFORM	0.0022	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
CHLOROMETHANE	0.0066	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
DIBROMOCHLOROMETHANE	0.0044	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
ETHYLBENZENE	0.0022	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0025 TR	0.0037 TR		0.0000 ND	0.0000 ND	0.0000 ND	
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
METHYLENE CHLORIDE	0.0033	0.0050	93.3000	0.0055	0.0074		6.7000 =	6.6000	6.4000	
STYRENE	0.0055	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
TETRACHLOROETHYLENE(PCE)	0.0022	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
TOLUENE	0.0033	0.0050	16000.00	0.0000 ND	0.0039		0.0000 ND	0.0000 ND	0.0000 ND	
TOLUENE-D8	N/A	0.0050		98.0000 %	99.0000 %		99.0000 %	96.0000 %	96.0000 %	
TRICHLOROETHYLENE (TCE)	0.0033	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
VINYL ACETATE	0.0077	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
VINYL CHLORIDE	0.0044	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
XYLENES, TOTAL	0.0055	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
cis-1,3-DICHLOROPROPENE	0.0055	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
trans-1,2-DICHLOROETHENE	0.0055	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
trans-1,3-DICHLOROPROPENE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-235: Oil/Water Separator ST235 Bldg 1051
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-235-01-0406 Lab ID: P273416	Field ID: KAFB-235-01-0911 Lab ID: P273417	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-235-05199 Lab ID: P273415	Ambient Blank Field ID: Lab ID:	Lab ID: P274906
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		87.0000	83.0000			85.0000		90.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		40.0000	40.0000			38.0000		42.0000
2-FLUOROPHENOL	N/A	N/A		70.0000	67.0000			53.0000		70.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-235: Oil/Water Separator ST235 Bldg 1051
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-235-01-0406 Lab ID: P273416	Field ID: KAFB-235-01-0911 Lab ID: P273417	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-235-05199 Lab ID: P273415	Ambient Blank Field ID: Lab ID:	Lab ID: P274906
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	380.0000			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			40.0000		40.0000
NITROBENZENE-D5	N/A	0.7000		39.0000	38.0000			0.0000 ND		0.0000 ND
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	250.0000	230.0000			37.0000		80.0000
PHENOL-D5	N/A	N/A		77.0000	75.0000			0.0000 ND		0.0000 ND
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			42.0000		44.0000
TERPHENYL-D14	N/A	N/A		43.0000	42.0000			0.0000 ND		0.0000 ND
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-CHLOROISOPROPYL) ETHER	100.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		

Base: KIRTLAND AFB
Site: ST-235: Oil/Water Separator ST235 Bldg 1051
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

ANALYTCAL DATA SUMMARY

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-235-01-0406 Lab ID: P273416	Field ID: Lab ID: P273416	Field ID: KAFB-235-01-0911 Lab ID: P273417	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.5000		8.5000				

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-235: Oil/Water Separator ST235 Bldg 1051
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-235-02-0406 Lab ID: 0355810006SA	Field ID: KAFB-235-02-0911 Lab ID: 0355810007SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		2.0000	13.0000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-235: Oil/Water Separator ST235 Bldg 1051
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-235-02-0406 Lab ID: 0355810006SA	Field ID: KAFB-235-02-0911 Lab ID: 0355810007SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-235-05199 Lab ID: 0355810002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		99.0000 %	99.0000 %			90.0000 %		
BENZENE	0.0260	N/A	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
ETHYLBENZENE	0.0260	N/A	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
GASOLINE COMPONENTS	0.5100	N/A		0.0000 ND	0.0000 ND			0.0000 ND		
TOLUENE	0.0260	N/A	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
XYLENES, TOTAL	0.0260	N/A	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-235: Oil/Water Separator ST235 Bldg 1051
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: *Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-235-02-0406 Lab ID: P273418	Field ID: KAFB-235-02-0911 Lab ID: P273419	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-235-05199 Lab ID: P273415	Ambient Blank Field ID: Lab ID:	Lab ID: P274891
ALUMINUM	2.0000	50.0000		3480.0000	9850.0000			0.0000 ND		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	6.8000	0.0000 ND			0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	108.0000	68.9000			0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.2200	0.5400			0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		27200.0000	20100.0000			24.0000		0.0000 ND
CHROMIUM, TOTAL	1.0000	7.0000		11.8000	9.0000			0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		2.4000	5.6000			0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		25.1000	51.0000			20.0000		0.0000 ND
IRON	0.8000	7.0000		7700.0000	13700.0000			11.0000		0.0000 ND
LEAD	3.0000	50.0000	400.0000	5.3000	7.6000			0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		1760.0000	5000.0000			0.0000 ND		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	135.0000	290.0000			0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	2.6000	0.0000 ND			0.0000 ND		2.9000
NICKEL	3.0000	15.0000	1600.000	3.9000	9.1000			0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		600.0000	2100.0000			0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		182.0000	269.0000			83.0000		5.3000
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	16.0000	28.3000			0.0000 ND		0.5000
ZINC	0.7000	2.0000	24000.00	22.4000	50.4000			15.0000		0.7000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-235: Oil/Water Separator ST235 Bldg 1051
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-235-02-0406 Lab ID: P273418	Field ID: KAFB-235-02-0911 Lab ID: P273419	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-235-05199 Lab ID: P273415	Ambient Blank Field ID: Lab ID:	Lab ID: P275208
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-235: Oil/Water Separator ST235 Bldg 1051
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-235-02-0406 Lab ID: P273418	Field ID: KAFB-235-02-0911 Lab ID: P273419	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-235-05199 Lab ID: P273415	Ambient Blank Field ID: Lab ID:	Lab ID: P274908
DIESEL COMPONENTS	70.0000	10.0000		620.0000	790.0000			0.0000 ND		0.0000 ND
PENTACOSANE	N/A	N/A		2180.0000	2110.0000			59.0000		2010.0000

Base: KIRTLAND AFB
Site: ST-235: Oil/Water Separator ST235 Bldg 1051
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

ANALYTCAL DATA SUMMARY

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-235-02-0406 Lab ID: 0355810006SA	Field ID: KAFB-235-02-0911 Lab ID: 0355810007SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-051994 Lab ID: 0355810001TB	Equipment Blank Field ID: KAFB-EB-235-05199 Lab ID: 0355810002EB	Ambient Blank Field ID: KAFB-AB-235-05199 Lab ID: 0355810004AB	Lab ID:
1,1,1-TRICHLOROETHANE	0.0031	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
1,1,2,2-TETRACHLOROETHANE	0.0051	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
1,1,2-TRICHLOROETHANE	0.0051	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
1,1-DICHLOROETHANE	0.0041	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
1,1-DICHLOROETHENE	0.0051	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
1,2-DICHLOROETHANE	0.0041	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
1,2-DICHLOROETHANE-D4	N/A	N/A		96.0000 %	95.0000 %		93.0000 %	97.0000 %	98.0000 %	
1,2-DICHLOROPROPANE	0.0031	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		96.0000 %	98.0000 %		98.0000 %	100.0000 %	99.0000 %	
2-CHLOROETHYL VINYL ETHER	0.0100	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
2-HEXANONE	0.0100	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
ACETONE	0.0100	0.1000	8000.000	0.0000 ND	0.0170		0.0000 ND	3.4000 TR	2.0000 TR	
BENZENE	0.0020	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
BROMODICHLOROMETHANE	0.0020	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
BROMOFORM	0.0051	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
BROMOMETHANE	0.0041	0.0100	32.0000	0.0015 TR	0.0016 TR		0.0000 ND	0.0000 ND	0.0000 ND	
CARBON DISULFIDE	0.0051	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
CARBON TETRACHLORIDE	0.0031	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
CHLOROBENZENE	0.0020	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
CHLOROETHANE	0.0100	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
CHLOROFORM	0.0020	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
CHLOROMETHANE	0.0061	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
DIBROMOCHLOROMETHANE	0.0041	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
ETHYLBENZENE	0.0020	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
METHYL ETHYL KETONE (2-BUTANONE)	0.0100	0.1000	48000.00	0.0000 ND	0.0024 TR		0.0000 ND	0.0000 ND	0.0000 ND	
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0100	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
METHYLENE CHLORIDE	0.0031	0.0050	93.3000	0.0046	0.0063		6.7000 =	6.6000	6.4000	
STYRENE	0.0051	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
TETRACHLOROETHYLENE(PCE)	0.0020	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
TOLUENE	0.0031	0.0050	16000.00	0.0013 TR	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
TOLUENE-D8	N/A	0.0050		96.0000 %	100.0000 %		99.0000 %	96.0000 %	96.0000 %	
TRICHLOROETHYLENE (TCE)	0.0031	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
VINYL ACETATE	0.0071	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
VINYL CHLORIDE	0.0041	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
XYLENES, TOTAL	0.0051	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
cis-1,3-DICHLOROPROPENE	0.0051	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
trans-1,2-DICHLOROETHENE	0.0051	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
trans-1,3-DICHLOROPROPENE	0.0031	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-235: Oil/Water Separator ST235 Bldg 1051
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-235-02-0406 Lab ID: P273418	Field ID: KAFB-235-02-0911 Lab ID: P273419	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-235-05199 Lab ID: P273415	Ambient Blank Field ID: Lab ID:	Lab ID: P274906
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		85.0000	81.0000			85.0000		90.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		40.0000	40.0000			38.0000		42.0000
2-FLUOROPHENOL	N/A	N/A		67.0000	68.0000			53.0000		70.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		

Base: KIRTLAND AFB
Site: ST-235: Oil/Water Separator ST235 Bldg 1051
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

ANALYTCAL DATA SUMMARY

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-235-02-0406 Lab ID: P273418	Field ID: KAFB-235-02-0911 Lab ID: P273419	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-235-05199 Lab ID: P273415	Ambient Blank Field ID: Lab ID:	Lab ID: P274906
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	460.0000	520.0000			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		38.0000	38.0000			40.0000		40.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		76.0000	76.0000			37.0000		80.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		43.0000	43.0000			42.0000		44.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	100.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-235: Oil/Water Separator ST235 Bldg 1051
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-235-02-0406 Lab ID: P273418	Field ID: KAFB-235-02-0911 Lab ID: P273419	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		11.8000	8.4000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-236: Oil/Water Separator ST236 Bldg 1051
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-236-01-0104 Lab ID: 0355170005SA	Field ID: KAFB-236-01-0610 Lab ID: 0355170006SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		10.0000	8.2000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-236: Oil/Water Separator ST236 Bldg 1051
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-236-01-0104 Lab ID: 0355170005SA	Field ID: KAFB-236-01-0610 Lab ID: 0355170006SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-217-05179 Lab ID: 0355170002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		94.0000 %	99.0000 %			100.0000 %		
BENZENE	0.0280	N/A	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0280	N/A	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
GASOLINE COMPONENTS	0.5600	N/A		0.0000 ND	0.0000 ND			0.0000 ND		
TOLUENE	0.0280	N/A	16000.00	0.0000 ND	0.0000 ND		2.9000 TR	0.0000 ND		
XYLENES, TOTAL	0.0280	N/A	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-236: Oil/Water Separator ST236 Bldg 1051
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: *Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-236-01-0104 Lab ID: P273285	Field ID: KAFB-236-01-0610 Lab ID: P273286	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-217-05179 Lab ID: P273282	Ambient Blank Field ID: Lab ID:	Lab ID: P274089
ALUMINUM	2.0000	50.0000		6320.0000	8020.0000			0.0000 ND		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	266.0000	122.0000			0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.3400	0.4300			0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.7900	0.0000 ND			0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		72000.0000	24800.0000			46.0000		4.1000
CHROMIUM, TOTAL	1.0000	7.0000		6.3000	12.8000			0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		3.7000	4.4000			0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		13.9000	48.8000			3.0000		0.0000 ND
IRON	0.8000	7.0000		9670.0000	10400.0000			11.0000		0.0000 ND
LEAD	3.0000	50.0000	400.0000	5.5000	5.2000			0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		4690.0000	4020.0000			0.0000 ND		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	142.0000	192.0000			0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	20.3000	49.6000			0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		954.0000	1420.0000			0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		130.0000	125.0000			250.0000		16.3000
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	35.4000	27.6000			0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	25.0000	44.8000			11.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-236: Oil/Water Separator ST236 Bldg 1051
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-236-01-0104 Lab ID: P273285	Field ID: KAFB-236-01-0610 Lab ID: P273286	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-217-05179 Lab ID: P273282	Ambient Blank Field ID: Lab ID:	Lab ID: P274885
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-236: Oil/Water Separator ST236 Bldg 1051
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-236-01-0104 Lab ID: P273285	Field ID: KAFB-236-01-0610 Lab ID: P273286	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-217-05179 Lab ID: P273282	Ambient Blank Field ID: Lab ID:	Lab ID: P274037
DIESEL COMPONENTS	70.0000	10.0000		790.0000	620.0000			80.0000		0.0000 ND
PENTACOSANE	N/A	N/A		3740.0000	2040.0000			105.0000		3500.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-236: Oil/Water Separator ST236 Bldg 1051
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-236-01-0104 Lab ID: 0355170005RA	Field ID: KAFB-236-01-0610 Lab ID: 0355170006SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-051794 Lab ID: 0355170001TB	Equipment Blank Field ID: KAFB-EB-217-05179 Lab ID: 0355170002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0056	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0056	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0045	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0056	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0045	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		90.0000 %	95.0000 %		87.0000 %	84.0000 %		
1,2-DICHLOROPROPANE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		99.0000 %	97.0000 %		97.0000 %	99.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ACETONE	0.0110	0.1000	8000.000	0.0092 TR	0.0000 ND		12.0000 =	11.0000		
BENZENE	0.0022	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0022	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0056	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0045	0.0100	32.0000	0.0016 TR	0.0018 TR		0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0056	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0022	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0022	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0067	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0045	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0022	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0000 ND	0.0000 ND		1.4000 TR	3.4000 TR		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0000 ND	0.0000 ND		1.2000 TR	2.1000 TR		
METHYLENE CHLORIDE	0.0033	0.0050	93.3000	0.0030 TR	0.0040		4.3000 =	4.0000		
STYRENE	0.0056	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0022	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0033	0.0050	16000.00	0.0000 ND	0.0000 ND		2.9000 TR	0.0000 ND		
TOLUENE-D8	N/A	0.0050		99.0000 %	100.0000 %		102.0000 %	104.0000 %		
TRICHLOROETHYLENE (TCE)	0.0033	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0078	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0045	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0056	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0056	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0056	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-236: Oil/Water Separator ST236 Bldg 1051
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-236-01-0104 Lab ID: P273285	Field ID: KAFB-236-01-0610 Lab ID: P273286	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-217-05179 Lab ID: P273282	Ambient Blank Field ID: Lab ID:	Lab ID: P280822
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		96.0000	94.0000			109.0000		110.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		51.0000	50.0000			41.0000		43.0000
2-FLUOROPHENOL	N/A	N/A		87.0000	84.0000			51.0000		89.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-236: Oil/Water Separator ST236 Bldg 1051
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-236-01-0104 Lab ID: P273285	Field ID: KAFB-236-01-0610 Lab ID: P273286	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-217-05179 Lab ID: P273282	Ambient Blank Field ID: Lab ID:	Lab ID: P280822
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	280.0000	300.0000			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		44.0000	43.0000			43.0000		45.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	340.0000	270.0000			0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		100.0000	94.0000			46.0000		97.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		55.0000	53.0000			50.0000		53.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	100.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-236: Oil/Water Separator ST236 Bldg 1051
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-236-01-0104 Lab ID: P273285	Field ID: KAFB-236-01-0610 Lab ID: P273286	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.2000	8.4000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-236: Oil/Water Separator ST236 Bldg 1051
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-236-02-0104 Lab ID: 0355170007SA	Field ID: Lab ID: 0355170007SA	Field ID: KAFB-238-02-0608 Lab ID: 0355170008SA	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		14.0000		7.8000				

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-236: Oil/Water Separator ST236 Bldg 1051
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-236-02-0104 Lab ID: 0355170007SA	Field ID: KAFB-238-02-0608 Lab ID: 0355170008SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-217-05179 Lab ID: 0355170002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		104.0000 %	98.0000 %			100.0000 %		
BENZENE	0.0290	N/A	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0290	N/A	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
GASOLINE COMPONENTS	0.5800	N/A		0.0000 ND	0.0000 ND			0.0000 ND		
TOLUENE	0.0290	N/A	16000.00	0.0000 ND	0.0000 ND		2.9000 TR	0.0000 ND		
XYLENES, TOTAL	0.0290	N/A	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-236: Oil/Water Separator ST236 Bldg 1051
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: *Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-236-02-0104 Lab ID: P273287	Field ID: KAFB-238-02-0608 Lab ID: P273288	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-217-05179 Lab ID: P273282	Ambient Blank Field ID: Lab ID:	Lab ID: P274089
ALUMINUM	2.0000	50.0000		6920.0000	7750.0000			0.0000 ND		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	199.0000	47.5000			0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.4600	0.4400			0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.6600			0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		53500.0000	8790.0000			46.0000		4.1000
CHROMIUM, TOTAL	1.0000	7.0000		8.8000	8.1000			0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		5.7000	5.3000			0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		30.2000	35.1000			3.0000		0.0000 ND
IRON	0.8000	7.0000		13800.0000	11400.0000			11.0000		0.0000 ND
LEAD	3.0000	50.0000	400.0000	6.2000	6.5000			0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		4700.0000	4180.0000			0.0000 ND		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	226.0000	221.0000			0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	5.5000	7.5000			0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		1200.0000	1330.0000			0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		115.0000	104.0000			250.0000		16.3000
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	36.7000	25.8000			0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	36.3000	43.0000			11.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-236: Oil/Water Separator ST236 Bldg 1051
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-236-02-0104 Lab ID: P273287	Field ID: KAFB-238-02-0608 Lab ID: P273288	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-217-05179 Lab ID: P273282	Ambient Blank Field ID: Lab ID:	Lab ID: P274885
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-236: Oil/Water Separator ST236 Bldg 1051
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-236-02-0104 Lab ID: P273287	Field ID: KAFB-238-02-0608 Lab ID: P273288	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-217-05179 Lab ID: P273282	Ambient Blank Field ID: Lab ID:	Lab ID: P274037
DIESEL COMPONENTS	70.0000	10.0000		950.0000	440.0000			80.0000		0.0000 ND
PENTACOSANE	N/A	N/A		1400.0000	3400.0000			105.0000		3500.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-236: Oil/Water Separator ST236 Bldg 1051
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-236-02-0104 Lab ID: 0355170007RA	Field ID: KAFB-238-02-0608 Lab ID: 0355170008SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-051794 Lab ID: 0355170001TB	Equipment Blank Field ID: KAFB-EB-217-05179 Lab ID: 0355170002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0035	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0058	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0058	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0046	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0058	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0046	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		88.0000 %	95.0000 %		87.0000 %	84.0000 %		
1,2-DICHLOROPROPANE	0.0035	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		99.0000 %	96.0000 %		97.0000 %	99.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0120	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0120	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ACETONE	0.0120	0.1000	8000.000	0.0092 TR	0.0150		12.0000 =	11.0000		
BENZENE	0.0023	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0023	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0058	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0046	0.0100	32.0000	0.0000 ND	0.0014 TR		0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0058	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0035	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0023	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0120	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0023	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0070	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0046	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0023	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0120	0.1000	48000.00	0.0000 ND	0.0000 ND		1.4000 TR	3.4000 TR		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0120	0.0500		0.0000 ND	0.0000 ND		1.2000 TR	2.1000 TR		
METHYLENE CHLORIDE	0.0035	0.0050	93.3000	0.0027 TR	0.0043		4.3000 =	4.0000		
STYRENE	0.0058	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0023	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0035	0.0050	16000.00	0.0000 ND	0.0000 ND		2.9000 TR	0.0000 ND		
TOLUENE-D8	N/A	0.0050		98.0000 %	102.0000 %		102.0000 %	104.0000 %		
TRICHLOROETHYLENE (TCE)	0.0035	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0081	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0046	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0058	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0058	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0058	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0035	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-236: Oil/Water Separator ST236 Bldg 1051
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-236-02-0104 Lab ID: P273287	Field ID: KAFB-238-02-0608 Lab ID: P273288	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-217-05179 Lab ID: P273282	Ambient Blank Field ID: Lab ID:	Lab ID: P280822
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		0.0000	86.0000			109.0000		110.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		0.0000	50.0000			41.0000		43.0000
2-FLUOROPHENOL	N/A	N/A		0.0000	81.0000			51.0000		89.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-236: Oil/Water Separator ST236 Bldg 1051
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-236-02-0104 Lab ID: P273287	Field ID: KAFB-238-02-0608 Lab ID: P273288	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-217-05179 Lab ID: P273282	Ambient Blank Field ID: Lab ID:	Lab ID: P280822
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	300.0000	310.0000			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		0.0000	44.0000			43.0000		45.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	240.0000	210.0000			0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		0.0000	97.0000			46.0000		97.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		0.0000	52.0000			50.0000		53.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	100.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-236: Oil/Water Separator ST236 Bldg 1051
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-236-02-0104 Lab ID: P273287	Field ID: KAFB-238-02-0608 Lab ID: P273288	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.5000	8.2000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-236: Oil/Water Separator ST236 Bldg 1051
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-236-03-0306 Lab ID: 0355170009SA	Field ID: KAFB-236-03-0611 Lab ID: 0355170010SA	Field ID: KAFB-236-99-0611 Lab ID: 0355170010SA	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		7.4000	16.0000	6.6000				

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-236: Oil/Water Separator ST236 Bldg 1051
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-236-03-0306 Lab ID: 0355170009SA	Field ID: KAFB-236-03-0611 Lab ID: 0355170010SA	Field ID: KAFB-236-99-0611 Lab ID: 0355170010SA	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-217-05179 Lab ID: 0355170002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		100.0000 %	100.0000 %	100.0000 %		100.0000 %		
BENZENE	0.0270	N/A	24.1000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0270	N/A	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
GASOLINE COMPONENTS	0.5400	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
TOLUENE	0.0270	N/A	16000.00	0.0000 ND	0.0000 ND	0.0000 ND	2.9000 TR	0.0000 ND		
XYLENES, TOTAL	0.0270	N/A	160000.0	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-236: Oil/Water Separator ST236 Bldg 1051
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: *Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-236-03-0306 Lab ID: P273289	Field ID: KAFB-236-03-0611 Lab ID: P273290	Field ID: KAFB-236-99-0611 Lab ID: P273290	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-217-05179 Lab ID: P273282	Ambient Blank Field ID: Lab ID:	Lab ID: P274089
ALUMINUM	2.0000	50.0000		7980.0000	8630.0000	9660.0000		0.0000 ND		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	95.7000	135.0000	93.9000		0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.4500	0.4500	0.5600		0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.7800	0.0000 ND	0.7900		0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		22600.0000	22400.0000	23000.0000		46.0000		4.1000
CHROMIUM, TOTAL	1.0000	7.0000		9.3000	9.2000	10.0000		0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		6.9000	5.6000	6.2000		0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		28.7000	27.6000	29.3000		3.0000		0.0000 ND
IRON	0.8000	7.0000		14200.0000	11600.0000	14000.0000		11.0000		0.0000 ND
LEAD	3.0000	50.0000	400.0000	6.1000	7.3000	4.7000		0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		4190.0000	4500.0000	5060.0000		0.0000 ND		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	238.0000	242.0000	286.0000		0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	12.2000	9.3000	31.3000		0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		1370.0000	1530.0000	1670.0000		0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		114.0000	102.0000	100.0000		250.0000		16.3000
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	34.6000	27.4000	31.2000		0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	36.6000	37.5000	47.4000		11.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-236: Oil/Water Separator ST236 Bldg 1051
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-236-03-0306 Lab ID: P273289	Field ID: KAFB-236-03-0611 Lab ID: P273290	Field ID: KAFB-236-99-0611 Lab ID: P273290	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-217-05179 Lab ID: P273282	Ambient Blank Field ID: Lab ID:	Lab ID: P274885
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-236: Oil/Water Separator ST236 Bldg 1051
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-236-03-0306 Lab ID: P273289	Field ID: KAFB-236-03-0611 Lab ID: P273290	Field ID: KAFB-236-99-0611 Lab ID: P273290	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-217-05179 Lab ID: P273282	Ambient Blank Field ID: Lab ID:	Lab ID: P274039
DIESEL COMPONENTS	70.0000	10.0000		1600.0000	480.0000	1500.0000		80.0000		0.0000 ND
PENTACOSANE	N/A	N/A		2450.0000	3060.0000	2450.0000		105.0000		2920.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-236: Oil/Water Separator ST236 Bldg 1051
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-236-03-0306 Lab ID: 0355170009SA	Field ID: KAFB-236-03-0611 Lab ID: 0355170010SA	Field ID: KAFB-236-99-0611 Lab ID: 0355170010SA	Trip Blank Field ID: KAFB-TB-01-051794 Lab ID: 0355170001TB	Equipment Blank Field ID: KAFB-EB-217-05179 Lab ID: 0355170002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0032	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0054	0.0050	35.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0054	0.0050	123.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0043	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0054	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0043	0.0050	7.6900	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		96.0000 %	98.0000 %	98.0000 %	87.0000 %	84.0000 %		
1,2-DICHLOROPROPANE	0.0032	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		95.0000 %	97.0000 %	98.0000 %	97.0000 %	99.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
2-HEXANONE	0.0110	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ACETONE	0.0110	0.1000	8000.000	0.0110	0.0088 TR	0.0130	12.0000 =	11.0000		
BENZENE	0.0022	0.0050	24.1000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0022	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMOFORM	0.0054	0.0050	88.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0043	0.0100	32.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0054	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0032	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0022	N/A	2160.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROFORM	0.0022	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0065	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0043	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0022	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0000 ND	0.0000 ND	0.0000 ND	1.4000 TR	3.4000 TR		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	1.2000 TR	2.1000 TR		
METHYLENE CHLORIDE	0.0032	0.0050	93.3000	0.0042	0.0049	0.0039	4.3000 =	4.0000		
STYRENE	0.0054	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0022	0.0050	800.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TOLUENE	0.0032	0.0050	16000.00	0.0000 ND	0.0000 ND	0.0018 TR	2.9000 TR	0.0000 ND		
TOLUENE-D8	N/A	0.0050		98.0000 %	101.0000 %	103.0000 %	102.0000 %	104.0000 %		
TRICHLOROETHYLENE (TCE)	0.0032	0.0050	63.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0076	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0043	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0054	0.0050	160000.0	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0054	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0054	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0032	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-236: Oil/Water Separator ST236 Bldg 1051
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-236-03-0306 Lab ID: P273289	Field ID: KAFB-236-03-0611 Lab ID: P273290	Field ID: KAFB-236-99-0611 Lab ID: P273290	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-217-05179 Lab ID: P273282	Ambient Blank Field ID: Lab ID:	Lab ID: P280822
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		95.0000	85.0000	92.0000		109.0000		110.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		51.0000	48.0000	49.0000		41.0000		43.0000
2-FLUOROPHENOL	N/A	N/A		85.0000	78.0000	81.0000		51.0000		89.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-236: Oil/Water Separator ST236 Bldg 1051
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-236-03-0306 Lab ID: P273289	Field ID: KAFB-236-03-0611 Lab ID: P273290	Field ID: KAFB-236-99-0611 Lab ID: P273290	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-217-05179 Lab ID: P273282	Ambient Blank Field ID: Lab ID:	Lab ID: P280822
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	670.0000	630.0000	0.0000 ND		0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		45.0000	42.0000	42.0000		43.0000		45.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		100.0000	92.0000	94.0000		46.0000		97.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		54.0000	50.0000	51.0000		50.0000		53.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	100.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-236: Oil/Water Separator ST236 Bldg 1051
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-236-03-0306 Lab ID: P273289	Field ID: KAFB-236-03-0611 Lab ID: P273290	Field ID: KAFB-236-99-0611 Lab ID: P273290	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.3000	8.2000	8.3000				

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-236: Oil/Water Separator ST236 Bldg 1051
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-236-04-0104 Lab ID: 0355170012SA	Field ID: KAFB-236-04-0608 Lab ID: 0355170013SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		14.0000	7.3000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-236: Oil/Water Separator ST236 Bldg 1051
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-236-04-0104 Lab ID: 0355170012SA	Field ID: KAFB-236-04-0608 Lab ID: 0355170013MS	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-217-05179 Lab ID: 0355170002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		100.0000 %	104.0000 %			100.0000 %		
BENZENE	0.0290	N/A	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0290	N/A	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
GASOLINE COMPONENTS	0.5800	N/A		0.0000 ND	0.0000 ND			0.0000 ND		
TOLUENE	0.0290	N/A	16000.00	0.0000 ND	0.0000 ND		2.9000 TR	0.0000 ND		
XYLENES, TOTAL	0.0290	N/A	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-236: Oil/Water Separator ST236 Bldg 1051
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-236-04-0104 Lab ID: P273292	Field ID: KAFB-236-04-0608 Lab ID: P273293	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-217-05179 Lab ID: P273282	Ambient Blank Field ID: Lab ID:	Lab ID: P274089
ALUMINUM	2.0000	50.0000		6140.0000	9990.0000			0.0000 ND		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	331.0000	157.0000			0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.3600	0.5600			0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		70200.0000	20400.0000			46.0000		4.1000
CHROMIUM, TOTAL	1.0000	7.0000		7.1000	10.4000			0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		4.3000	5.2000			0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		54.5000	26.3000			3.0000		0.0000 ND
IRON	0.8000	7.0000		9330.0000	12900.0000			11.0000		0.0000 ND
LEAD	3.0000	50.0000	400.0000	5.8000	8.3000			0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		5090.0000	5210.0000			0.0000 ND		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	154.0000	280.0000			0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	34.9000	9.1000			0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		945.0000	1640.0000			0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			250.0000		16.3000
SODIUM	3.0000	30.0000		125.0000	136.0000			0.0000 ND		0.0000 ND
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	31.6000	29.9000			11.0000		0.0000 ND
ZINC	0.7000	2.0000	24000.00	40.8000	59.1000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-236: Oil/Water Separator ST236 Bldg 1051
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-236-04-0104 Lab ID: P273292	Field ID: KAFB-236-04-0608 Lab ID: P273293	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-217-05179 Lab ID: P273282	Ambient Blank Field ID: Lab ID:	Lab ID: P274885
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-236: Oil/Water Separator ST236 Bldg 1051
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-236-04-0104 Lab ID: P273292	Field ID: KAFB-236-04-0608 Lab ID: P273293	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-217-05179 Lab ID: P273282	Ambient Blank Field ID: Lab ID:	Lab ID: P274039
DIESEL COMPONENTS	70.0000	10.0000		820.0000	750.0000			80.0000		0.0000 ND
PENTACOSANE	N/A	N/A		1700.0000	2620.0000			105.0000		2920.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-236: Oil/Water Separator ST236 Bldg 1051
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-236-04-0104 Lab ID: 0355170012SA	Field ID: KAFB-236-04-0608 Lab ID: 0355170013MS	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-051794 Lab ID: 0355170001TB	Equipment Blank Field ID: KAFB-EB-217-05179 Lab ID: 0355170002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0035	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0058	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0058	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0046	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0058	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0046	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		99.0000 %	90.0000 %		87.0000 %	84.0000 %		
1,2-DICHLOROPROPANE	0.0035	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		95.0000 %	98.0000 %		97.0000 %	99.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0120	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0120	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ACETONE	0.0120	0.1000	8000.000	0.0056 TR	0.0140		12.0000 =	11.0000		
BENZENE	0.0023	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0023	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0058	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0046	0.0100	32.0000	0.0041 TR	0.0022 TR		0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0058	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0035	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0023	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0120	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0023	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0069	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0046	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0023	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0120	0.1000	48000.00	0.0016 TR	0.0000 ND		1.4000 TR	3.4000 TR		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0120	0.0500		0.0000 ND	0.0000 ND		1.2000 TR	2.1000 TR		
METHYLENE CHLORIDE	0.0035	0.0050	93.3000	0.0024 TR	0.0028 TR		4.3000 =	4.0000		
STYRENE	0.0058	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0023	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0035	0.0050	16000.00	0.0000 ND	0.0014 TR		2.9000 TR	0.0000 ND		
TOLUENE-D8	N/A	0.0050		100.0000 %	97.0000 %		102.0000 %	104.0000 %		
TRICHLOROETHYLENE (TCE)	0.0035	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0081	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0046	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0058	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0058	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0058	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.000 ND		
trans-1,3-DICHLOROPROPENE	0.0035	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-236: Oil/Water Separator ST236 Bldg 1051
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-236-04-0104 Lab ID: P273292	Field ID: KAFB-236-04-0608 Lab ID: P273293	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-217-05179 Lab ID: P273282	Ambient Blank Field ID: Lab ID:	Lab ID: P280822
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		91.0000	87.0000			109.0000		110.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		49.0000	48.0000			41.0000		43.0000
2-FLUOROPHENOL	N/A	N/A		82.0000	77.0000			51.0000		89.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-236: Oil/Water Separator ST236 Bldg 1051
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-236-04-0104 Lab ID: P273292	Field ID: KAFB-236-04-0608 Lab ID: P273293	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-217-05179 Lab ID: P273282	Ambient Blank Field ID: Lab ID:	Lab ID: P280822
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	400.0000	580.0000			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		43.0000	41.0000			43.0000		45.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	200.0000	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		92.0000	90.0000			46.0000		97.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		51.0000	49.0000			50.0000		53.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	100.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-236: Oil/Water Separator ST236 Bldg 1051
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-236-04-0104 Lab ID: P273292	Field ID: KAFB-236-04-0608 Lab ID: P273293	Field ID: Lab ID: P273293	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.4000	8.2000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-237: Area Drain ST-237 Building 1051
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-237-01-0508 Lab ID: 0355810008SA	Field ID: KAFB-237-01-1214 Lab ID: 0355810009SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		9.4000	4.2000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-237: Area Drain ST-237 Building 1051
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-237-01-0508 Lab ID: 0355810008SA	Field ID: KAFB-237-01-1214 Lab ID: 0355810009SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-235-05199 Lab ID: 0355810002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		100.0000 %	96.0000 %			90.0000 %		
BENZENE	0.0280	N/A	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
ETHYLBENZENE	0.0280	N/A	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
GASOLINE COMPONENTS	0.5500	N/A		0.0000 ND	0.0000 ND			0.0000 ND		
TOLUENE	0.0280	N/A	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
XYLENES, TOTAL	0.0280	N/A	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	

Base: KIRTLAND AFB
Site: ST-237: Area Drain ST-237 Building 1051
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

ANALYTCAL DATA SUMMARY

Method Extraction: SW3005: *Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-237-01-0508 Lab ID: P273420	Field ID: KAFB-237-01-1214 Lab ID: P273421	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-235-05199 Lab ID: P273415	Ambient Blank Field ID: Lab ID:	Lab ID: P274891
ALUMINUM	2.0000	50.0000		9100.0000	8840.0000			0.0000 ND		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	222.0000	228.0000			0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.5500	0.5500			0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		15800.0000	48900.0000			24.0000		0.0000 ND
CHROMIUM, TOTAL	1.0000	7.0000		9.4000	13.5000			0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		5.2000	8.0000			0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		74.0000	450.0000			20.0000		0.0000 ND
IRON	0.8000	7.0000		12500.0000	16300.0000			11.0000		0.0000 ND
LEAD	3.0000	50.0000	400.0000	8.3000	8.2000			0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		4460.0000	6270.0000			0.0000 ND		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	237.0000	279.0000			0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		2.9000
NICKEL	3.0000	15.0000	1600.000	14.8000	9.5000			0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		1640.0000	1570.0000			0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		120.0000	130.0000			83.0000		5.3000
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	25.9000	31.5000			0.0000 ND		0.5000
ZINC	0.7000	2.0000	24000.00	51.9000	190.0000			15.0000		0.7000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-237: Area Drain ST-237 Building 1051
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-237-01-0508 Lab ID: P273420	Field ID: KAFB-237-01-1214 Lab ID: P273421	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-235-05199 Lab ID: P273415	Ambient Blank Field ID: Lab ID:	Lab ID: P275208
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-237: Area Drain ST-237 Building 1051
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-237-01-0508 Lab ID: P273420	Field ID: KAFB-237-01-1214 Lab ID: P273421	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-235-05199 Lab ID: P273415	Ambient Blank Field ID: Lab ID:	Lab ID: P274908
DIESEL COMPONENTS	70.0000	10.0000		520.0000	590.0000			0.0000 ND		0.0000 ND
PENTACOSANE	N/A	N/A		2240.0000	2240.0000			59.0000		2010.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-237: Area Drain ST-237 Building 1051
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-237-01-0508 Lab ID: 0355810008SA	Field ID: KAFB-237-01-1214 Lab ID: 0355810009SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-051994 Lab ID: 0355810001TB	Equipment Blank Field ID: KAFB-EB-235-05199 Lab ID: 0355810002EB	Ambient Blank Field ID: KAFB-AB-235-05199 Lab ID: 0355810004AB	Lab ID:
1,1,1-TRICHLOROETHANE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
1,1,2,2-TETRACHLOROETHANE	0.0055	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
1,1,2-TRICHLOROETHANE	0.0055	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
1,1-DICHLOROETHANE	0.0044	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
1,1-DICHLOROETHENE	0.0055	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
1,2-DICHLOROETHANE	0.0044	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
1,2-DICHLOROETHANE-D4	N/A	N/A		100.0000 %	98.0000 %		93.0000 %	97.0000 %	98.0000 %	
1,2-DICHLOROPROPANE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		101.0000 %	103.0000 %		98.0000 %	100.0000 %	99.0000 %	
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
2-HEXANONE	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
ACETONE	0.0110	0.1000	8000.000	0.0022 TR	0.0180		0.0000 ND	3.4000 TR	2.0000 TR	
BENZENE	0.0022	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
BROMODICHLOROMETHANE	0.0022	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
BROMOFORM	0.0055	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
BROMOMETHANE	0.0044	0.0100	32.0000	0.0000 ND	0.0021 TR		0.0000 ND	0.0000 ND	0.0000 ND	
CARBON DISULFIDE	0.0055	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
CARBON TETRACHLORIDE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
CHLOROBENZENE	0.0022	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
CHLOROETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
CHLOROFORM	0.0022	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
CHLOROMETHANE	0.0066	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
DIBROMOCHLOROMETHANE	0.0044	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
ETHYLBENZENE	0.0022	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0000 ND	0.0012 TR		0.0000 ND	0.0000 ND	0.0000 ND	
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
METHYLENE CHLORIDE	0.0033	0.0050	93.3000	0.0058	0.0054		6.7000 =	6.6000	6.4000	
STYRENE	0.0055	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
TETRACHLOROETHYLENE(PCE)	0.0022	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
TOLUENE	0.0033	0.0050	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
TOLUENE-D8	N/A	0.0050		97.0000 %	97.0000 %		99.0000 %	96.0000 %	96.0000 %	
TRICHLOROETHYLENE (TCE)	0.0033	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
VINYL ACETATE	0.0077	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
VINYL CHLORIDE	0.0044	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
XYLENES, TOTAL	0.0055	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
cis-1,3-DICHLOROPROPENE	0.0055	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
trans-1,2-DICHLOROETHENE	0.0055	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	
trans-1,3-DICHLOROPROPENE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	0.0000 ND	

Base: KIRTLAND AFB
Site: ST-237: Area Drain ST-237 Building 1051
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

ANALYTCAL DATA SUMMARY

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-237-01-0508 Lab ID: P273420	Field ID: KAFB-237-01-1214 Lab ID: P273421	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-235-05199 Lab ID: P273415	Ambient Blank Field ID: Lab ID:	Lab ID: P274906
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		85.0000	76.0000			85.0000		90.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		40.0000	38.0000			38.0000		42.0000
2-FLUOROPHENOL	N/A	N/A		67.0000	61.0000			53.0000		70.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-237: Area Drain ST-237 Building 1051
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-237-01-0508 Lab ID: P273420	Field ID: KAFB-237-01-1214 Lab ID: P273421	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-235-05199 Lab ID: P273415	Ambient Blank Field ID: Lab ID:	Lab ID: P274906
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	440.0000	400.0000			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		38.0000	35.0000			40.0000		40.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	150.0000	150.0000			0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		75.0000	69.0000			37.0000		80.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		42.0000	40.0000			42.0000		44.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	100.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-237: Area Drain ST-237 Building 1051
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-237-01-0508 Lab ID: P273420	Field ID: KAFB-237-01-1214 Lab ID: P273421	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.6000	8.4000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-238: Oil/Water Separator ST238 Bldg 1058
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-238-01-1113 Lab ID: 0357630005SA	Field ID: KAFB-238-01-1820 Lab ID: 0357630006SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		16.0000	8.4000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-238: Oil/Water Separator ST238 Bldg 1058
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-238-01-1113 Lab ID: 0357630005SA	Field ID: KAFB-238-01-1820 Lab ID: 0357630006SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-240-05279 Lab ID: 0357630002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		80.0000 %	88.0000 %			96.0000 %		
BENZENE	0.0300	N/A	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0300	N/A	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
GASOLINE COMPONENTS	0.6000	N/A		0.0000 ND	0.0000 ND			6.4000 TR		
TOLUENE	0.0300	N/A	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0300	N/A	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.3000 TR		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-238: Oil/Water Separator ST238 Bldg 1058
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-238-01-1113 Lab ID: P274438	Field ID: KAFB-238-01-1820 Lab ID: P274439	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-240-05279 Lab ID: P274435	Ambient Blank Field ID: Lab ID:	Lab ID: P275155
ALUMINUM	2.0000	50.0000		6430.0000	6250.0000			0.0000 ND		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	152.0000	73.4000			0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.4400	0.4300			0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		29100.0000	8010.0000			0.0000 ND		2.0000
CHROMIUM, TOTAL	1.0000	7.0000		6.4000	8.0000			0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		8.2000	4.5000			0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		37.6000	12.6000			12.0000		0.0000 ND
IRON	0.8000	7.0000		12500.0000	10300.0000			131.0000		0.0000 ND
LEAD	3.0000	50.0000	400.0000	9.4000	7.7000			0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		4800.0000	3310.0000			0.0000 ND		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	309.0000	167.0000			0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	7.7000	5.3000			0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		1680.0000	1290.0000			0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		146.0000	390.0000			50.0000		4.6000
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	26.2000	19.5000			0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	42.8000	25.6000			15.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-238: Oil/Water Separator ST238 Bldg 1058
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-238-01-1113 Lab ID: P274438	Field ID: KAFB-238-01-1820 Lab ID: P274439	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-240-05279 Lab ID: P274435	Ambient Blank Field ID: Lab ID:	Lab ID: P276112
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-238: Oil/Water Separator ST238 Bldg 1058
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-238-01-1113 Lab ID: P274438	Field ID: KAFB-238-01-1820 Lab ID: P274439	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-240-05279 Lab ID: P274435	Ambient Blank Field ID: Lab ID:	Lab ID: P275994
DIESEL COMPONENTS	70.0000	10.0000		630.0000	640.0000			0.0000 ND		0.0000 ND
PENTACOSANE	N/A	N/A		4290.0000	4290.0000			106.0000		3740.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-238: Oil/Water Separator ST238 Bldg 1058
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-238-01-1113 Lab ID: 0357630005SA	Field ID: KAFB-238-01-1820 Lab ID: 0357630006SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-052794 Lab ID: 0357630001TB	Equipment Blank Field ID: KAFB-EB-240-05279 Lab ID: 0357630002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0036	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0060	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0060	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0048	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0060	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0048	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		101.0000 %	96.0000 %		102.0000 %	102.0000 %		
1,2-DICHLOROPROPANE	0.0036	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		95.0000 %	99.0000 %		97.0000 %	97.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0120	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0120	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ACETONE	0.0120	0.1000	8000.000	0.0094 TR	0.0049 TR		3.2000 TR	0.0170 TR		
BENZENE	0.0024	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0024	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0060	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0048	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0060	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0036	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0024	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0120	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0024	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0072	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0048	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0024	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0120	0.1000	48000.00	0.0030 TR	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0120	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0036	0.0050	93.3000	0.0068	0.0036		2.0000 TR	0.0023 TR		
STYRENE	0.0060	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0024	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0036	0.0050	16000.00	0.0031 TR	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		99.0000 %	103.0000 %		100.0000 %	100.0000 %		
TRICHLOROETHYLENE (TCE)	0.0036	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0084	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0048	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0060	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.3000 TR		
cis-1,3-DICHLOROPROPENE	0.0060	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0060	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0036	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-238: Oil/Water Separator ST238 Bldg 1058
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-238-01-1113 Lab ID: P274438	Field ID: KAFB-238-01-1820 Lab ID: P274439	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-240-05279 Lab ID: P274435	Ambient Blank Field ID: Lab ID:	Lab ID: P276019
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		65.0000	60.0000			110.0000		62.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		36.0000	34.0000			58.0000		34.0000
2-FLUOROPHENOL	N/A	N/A		65.0000	55.0000			72.0000		63.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-238: Oil/Water Separator ST238 Bldg 1058
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-238-01-1113 Lab ID: P274438	Field ID: KAFB-238-01-1820 Lab ID: P274439	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-240-05279 Lab ID: P274435	Ambient Blank Field ID: Lab ID:	Lab ID: P276019
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		35.0000	32.0000			62.0000		33.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		75.0000	65.0000			51.0000		73.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		38.0000	34.0000			62.0000		36.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	100.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-238: Oil/Water Separator ST238 Bldg 1058
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-238-01-1113 Lab ID: P274438	Field ID: KAFB-238-01-1820 Lab ID: P274439	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.6000	9.3000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-238: Oil/Water Separator ST238 Bldg 1058
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-238-02-0307 Lab ID: 0357630007SA	Field ID: KAFB-238-02-0812 Lab ID: 0357630008SA	Field ID: Lab ID: 0357630008SA	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		7.8000	2.6000					
MOISTURE, PERCENT	0.1000	N/A		7.8000						

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-238: Oil/Water Separator ST238 Bldg 1058
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-238-02-0307 Lab ID: 0357630007SA	Field ID: KAFB-238-02-0812 Lab ID: 0357630008MS	Field ID: KAFB-238-99-0307 Lab ID: 0357630007SA	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-240-05279 Lab ID: 0357630002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		88.0000 %	80.0000 %	88.0000 %		96.0000 %		
BENZENE	0.0270	N/A	24.1000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0270	N/A	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
GASOLINE COMPONENTS	0.5400	N/A		0.4400 TR	2.0000	0.0000 ND		6.4000 TR		
TOLUENE	0.0270	N/A	16000.00	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0270	N/A	160000.0	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.3000 TR		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-238: Oil/Water Separator ST238 Bldg 1058
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: *Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-238-02-0307 Lab ID: P274444	Field ID: KAFB-238-02-0812 Lab ID: P274441	Field ID: KAFB-238-99-0307 Lab ID: P274444	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-240-05279 Lab ID: P274435	Ambient Blank Field ID: Lab ID:	Lab ID: P277142
ALUMINUM	2.0000	50.0000		4040.0000	5040.0000	4110.0000		0.0000 ND		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	132.0000	60.6000	189.0000		0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.3300	0.3100	0.3200		0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		79300.0000	13200.0000	60600.0000		0.0000 ND		4.6000
CHROMIUM, TOTAL	1.0000	7.0000		5.4000	9.3000	9.2000		0.0000 ND		1.5000
COBALT	1.0000	7.0000		2.6000	7.1000	2.9000		0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		17.9000	27.2000	28.7000		12.0000		0.2000
IRON	0.8000	7.0000		6230.0000	14600.0000	6840.0000		131.0000		3.5000
LEAD	3.0000	50.0000	400.0000	5.1000	4.6000	4.1000		0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		3070.0000	4150.0000	3220.0000		0.0000 ND		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	72.1000	220.0000	95.0000		0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	0.0000 ND	6.0000	47.5000		0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		566.0000	1060.0000	567.0000		0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		81.2000	96.8000	161.0000		50.0000		0.0000 ND
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	19.3000	30.1000	20.7000		0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	17.8000	35.1000	23.2000		15.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-238: Oil/Water Separator ST238 Bldg 1058
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-238-02-0307 Lab ID: P274440	Field ID: KAFB-238-02-0812 Lab ID: P274441	Field ID: KAFB-238-99-0307 Lab ID: P274440	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-240-05279 Lab ID: P274435	Ambient Blank Field ID: Lab ID:	Lab ID: P276112
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-238: Oil/Water Separator ST238 Bldg 1058
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-238-02-0307 Lab ID: P274440	Field ID: KAFB-238-02-0812 Lab ID: P274441	Field ID: KAFB-238-99-0307 Lab ID: P274440	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-240-05279 Lab ID: P274435	Ambient Blank Field ID: Lab ID:	Lab ID: P275994
DIESEL COMPONENTS	70.0000	10.0000		2000.0000	1200.0000	14000.0000		0.0000 ND		0.0000 ND
PENTACOSANE	N/A	N/A		4060.0000	3980.0000	4260.0000		106.0000		3740.0000

Base: KIRTLAND AFB
Site: ST-238: Oil/Water Separator ST238 Bldg 1058
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

ANALYTCAL DATA SUMMARY

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-238-02-0307 Lab ID: 0357630007SA	Field ID: KAFB-238-02-0812 Lab ID: 0357630008MS	Field ID: KAFB-238-99-0307 Lab ID: 0357630007SA	Trip Blank Field ID: KAFB-TB-01-052794 Lab ID: 0357630001TB	Equipment Blank Field ID: KAFB-EB-240-05279 Lab ID: 0357630002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0033	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0054	0.0050	35.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0054	0.0050	123.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0043	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0054	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0043	0.0050	7.6900	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		90.0000 %	91.0000 %	90.0000 %	102.0000 %	102.0000 %		
1,2-DICHLOROPROPANE	0.0033	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		98.0000 %	93.0000 %	93.0000 %	97.0000 %	97.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
2-HEXANONE	0.0110	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ACETONE	0.0110	0.1000	8000.000	0.0077 TR	0.0110	0.0000 ND	3.2000 TR	0.0170 TR		
BENZENE	0.0022	0.0050	24.1000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0022	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMOFORM	0.0054	0.0050	88.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0043	0.0100	32.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0054	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0033	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0022	N/A	2160.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROFORM	0.0022	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0065	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0043	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0022	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0000 ND	0.0028 TR	0.0000 ND	0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0033	0.0050	93.3000	0.0035	0.0045	0.0033	2.0000 TR	0.0023 TR		
STYRENE	0.0054	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0022	0.0050	800.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TOLUENE	0.0033	0.0050	16000.00	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		104.0000 %	110.0000 %	103.0000 %	100.0000 %	100.0000 %		
TRICHLOROETHYLENE (TCE)	0.0033	0.0050	63.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0076	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0043	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0054	0.0050	160000.0	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0054	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.3000 TR		
trans-1,2-DICHLOROETHENE	0.0054	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0033	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-238: Oil/Water Separator ST238 Bldg 1058
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-238-02-0307 Lab ID: P274440	Field ID: KAFB-238-02-0812 Lab ID: P274441	Field ID: KAFB-238-99-0307 Lab ID: P274440	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-240-05279 Lab ID: P274435	Ambient Blank Field ID: Lab ID:	Lab ID: P276019
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		100.0000	60.0000	65.0000		110.0000		62.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		48.0000	34.0000	33.0000		58.0000		34.0000
2-FLUOROPHENOL	N/A	N/A		70.0000	60.0000	60.0000		72.0000		63.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		

Base: KIRTLAND AFB
Site: ST-238: Oil/Water Separator ST238 Bldg 1058
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

ANALYTCAL DATA SUMMARY

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-238-02-0307 Lab ID: P274440	Field ID: KAFB-238-02-0812 Lab ID: P274441	Field ID: KAFB-238-99-0307 Lab ID: P274440	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-240-05279 Lab ID: P274435	Ambient Blank Field ID: Lab ID:	Lab ID: P276019
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	240.0000	0.0000 ND		0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		42.0000	34.0000	34.0000		62.0000		33.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	200.0000	0.0000 ND		0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		90.0000	70.0000	65.0000		51.0000		73.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		55.0000	36.0000	35.0000		62.0000		36.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	100.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-238: Oil/Water Separator ST238 Bldg 1058
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-238-02-0307 Lab ID: P274440	Field ID: KAFB-238-02-0812 Lab ID: P274441	Field ID: Lab ID: P274441	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.3000	8.3000					
pH	N/A	N/A		8.3000						

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-238: Oil/Water Separator ST238 Bldg 1058
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-238-03-0305 Lab ID: 0357630009SA	Field ID: KAFB-238-03-0810 Lab ID: 0357630010SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		6.6000	7.0000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-238: Oil/Water Separator ST238 Bldg 1058
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-238-03-0305 Lab ID: 0357630009SA	Field ID: KAFB-238-03-0810 Lab ID: 0357630010SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-240-05279 Lab ID: 0357630002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		85.0000 %	88.0000 %			96.0000 %		
BENZENE	0.0270	N/A	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0270	N/A	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
GASOLINE COMPONENTS	0.5400	N/A		0.0000 ND	0.3400 TR			6.4000 TR		
TOLUENE	0.0270	N/A	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0270	N/A	160000.0	0.0170	0.0000 ND		0.0000 ND	0.3000 TR		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-238: Oil/Water Separator ST238 Bldg 1058
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-238-03-0305 Lab ID: P274442	Field ID: KAFB-238-03-0810 Lab ID: P274443	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-240-05279 Lab ID: P274435	Ambient Blank Field ID: Lab ID:	Lab ID: P277142
ALUMINUM	2.0000	50.0000		3750.0000	3630.0000			0.0000 ND		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	123.0000	142.0000			0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.2100	0.2200			0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		31300.0000	40000.0000			0.0000 ND		4.6000
CHROMIUM, TOTAL	1.0000	7.0000		6.4000	8.2000			0.0000 ND		1.5000
COBALT	1.0000	7.0000		2.7000	3.4000			0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		28.0000	17.0000			12.0000		0.2000
IRON	0.8000	7.0000		7370.0000	7250.0000			131.0000		3.5000
LEAD	3.0000	50.0000	400.0000	7.9000	3.9000			0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		2510.0000	3080.0000			0.0000 ND		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	100.0000	110.0000			0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	0.0000 ND	5.4000			0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		662.0000	586.0000			0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		111.0000	94.5000			50.0000		0.0000 ND
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	18.5000	20.4000			0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	23.8000	18.8000			15.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-238: Oil/Water Separator ST238 Bldg 1058
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-238-03-0305 Lab ID: P274442	Field ID: KAFB-238-03-0810 Lab ID: P274443	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-240-05279 Lab ID: P274435	Ambient Blank Field ID: Lab ID:	Lab ID: P276112
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-238: Oil/Water Separator ST238 Bldg 1058
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-238-03-0305 Lab ID: P274442	Field ID: KAFB-238-03-0810 Lab ID: P274443	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-240-05279 Lab ID: P274435	Ambient Blank Field ID: Lab ID:	Lab ID: P275994
DIESEL COMPONENTS	70.0000	10.0000		13000.0000	16000.0000			0.0000 ND		0.0000 ND
PENTACOSANE	N/A	N/A		4170.0000	4590.0000			106.0000		3740.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-238: Oil/Water Separator ST238 Bldg 1058
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-238-03-0305 Lab ID: 0357630009SA	Field ID: KAFB-238-03-0810 Lab ID: 0357630010SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-052794 Lab ID: 0357630001TB	Equipment Blank Field ID: KAFB-EB-240-05279 Lab ID: 0357630002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0032	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0054	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0054	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0043	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0054	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0043	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		92.0000 %	88.0000 %		102.0000 %	102.0000 %		
1,2-DICHLOROPROPANE	0.0032	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		98.0000 %	92.0000 %		97.0000 %	97.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0110	0.0500		0.0000 ND	0.0013 TR		0.0000 ND	0.0000 ND		
ACETONE	0.0110	0.1000	8000.000	0.0080 TR	0.0044 TR		3.2000 TR	0.0170 TR		
BENZENE	0.0021	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0021	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0054	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0043	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0054	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0032	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0021	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0021	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0064	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0043	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0021	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0032	0.0050	93.3000	0.0000 ND	0.0033		2.0000 TR	0.0023 TR		
STYRENE	0.0054	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0021	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0032	0.0050	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		108.0000 %	105.0000 %		100.0000 %	100.0000 %		
TRICHLOROETHYLENE (TCE)	0.0032	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0075	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0043	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0054	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.3000 TR		
cis-1,3-DICHLOROPROPENE	0.0054	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0054	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0032	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

Base: KIRTLAND AFB
Site: ST-238: Oil/Water Separator ST238 Bldg 1058
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

ANALYTCAL DATA SUMMARY

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-238-03-0305 Lab ID: P274442	Field ID: KAFB-238-03-0810 Lab ID: P274443	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-240-05279 Lab ID: P274435	Ambient Blank Field ID: Lab ID:	Lab ID: P276019
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		60.0000	60.0000			110.0000		62.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		34.0000	34.0000			58.0000		34.0000
2-FLUOROPHENOL	N/A	N/A		60.0000	60.0000			72.0000		63.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-238: Oil/Water Separator ST238 Bldg 1058
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-238-03-0305 Lab ID: P274442	Field ID: KAFB-238-03-0810 Lab ID: P274443	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-240-05279 Lab ID: P274435	Ambient Blank Field ID: Lab ID:	Lab ID: P276019
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		33.0000	34.0000			62.0000		33.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	170.0000			0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		65.0000	65.0000			51.0000		73.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		36.0000	36.0000			62.0000		36.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	100.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-238: Oil/Water Separator ST238 Bldg 1058
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-238-03-0305 Lab ID: P274442	Field ID: KAFB-238-03-0810 Lab ID: P274443	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.0000	8.0000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-239: Oil/Water Separator ST239 Bldg 1058
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-239-01-0204 Lab ID: 0356060009SA	Field ID: KAFB-239-01-0709 Lab ID: 0356060010SA	Field ID: KAFB-239-01-1721 Lab ID: 0356060011SA	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		10.0000	3.2000	5.7000				
MOISTURE, PERCENT	0.1000	N/A		5.7000						

Base: KIRTLAND AFB
Site: ST-239: Oil/Water Separator ST239 Bldg 1058
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Soil
Units: Milligrams per Kilogram

ANALYTCAL DATA SUMMARY

Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-239-01-0204 Lab ID: 0356060009SA	Field ID: KAFB-239-01-0709 Lab ID: 0356060010MS	Field ID: KAFB-239-01-1721 Lab ID: 0356060011SA	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-241-05209 Lab ID: 0356060002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		101.0000 %	97.0000 %	96.0000 %		99.0000 %		
BENZENE	0.0280	N/A	24.1000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0280	N/A	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
GASOLINE COMPONENTS	0.5600	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
TOLUENE	0.0280	N/A	16000.00	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0280	N/A	160000.0	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		96.0000 %				99.0000 %		
BENZENE	0.0280	N/A	24.1000	0.0000 ND			0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0280	N/A	8000.000	0.0000 ND			0.0000 ND	0.0000 ND		
GASOLINE COMPONENTS	0.5500	N/A		0.0000 ND				0.0000 ND		
TOLUENE	0.0280	N/A	16000.00	0.0000 ND			0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0280	N/A	160000.0	0.0000 ND			0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-239: Oil/Water Separator ST239 Bldg 1058
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-239-01-0204 Lab ID: 0356060009SA	Field ID: KAFB-239-01-0709 Lab ID: 0356060010MS	Field ID: KAFB-239-01-1721 Lab ID: 0356060011SA	Trip Blank Field ID: KAFB-TB-01-052094 Lab ID: 0356060001TB	Equipment Blank Field ID: KAFB-EB-241-05209 Lab ID: 0356060002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0033	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0056	0.0050	35.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0056	0.0050	123.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0045	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0056	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0045	0.0050	7.6900	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		103.0000 %	101.0000 %	89.0000 %	100.0000 %	100.0000 %		
1,2-DICHLOROPROPANE	0.0033	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		103.0000 %	99.0000 %	90.0000 %	98.0000 %	101.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
2-HEXANONE	0.0110	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ACETONE	0.0110	0.1000	8000.000	0.0037 TR	0.0000 ND	0.0000 ND	0.0000 ND	2.1000 TR		
BENZENE	0.0022	0.0050	24.1000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0022	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMOFORM	0.0056	0.0050	88.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0045	0.0100	32.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0056	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0033	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0022	N/A	2160.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROFORM	0.0022	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0067	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0045	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0022	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0033	0.0050	93.3000	0.0059	0.0030 TR	0.0035	5.8000 =	3.9000		
STYRENE	0.0056	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0022	0.0050	800.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TOLUENE	0.0033	0.0050	16000.00	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		95.0000 %	96.0000 %	97.0000 %	95.0000 %	97.0000 %		
TRICHLOROETHYLENE (TCE)	0.0033	0.0050	63.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0078	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0045	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0056	0.0050	160000.0	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0056	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0056	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0033	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,1-TRICHLOROETHANE	0.0033	0.0050		0.0000 ND			0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0055	0.0050	35.0000	0.0000 ND			0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0055	0.0050	123.0000	0.0000 ND			0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-239: Oil/Water Separator ST239 Bldg 1058
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-239-99-1721 Lab ID: 0356060011SA	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-052094 Lab ID: 0356060001TB	Equipment Blank Field ID: KAFB-EB-241-05209 Lab ID: 0356060002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1-DICHLOROETHANE	0.0044	0.0050		0.0000 ND			0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0055	0.0050		0.0000 ND			0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0044	0.0050	7.6900	0.0000 ND			0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		89.0000 %			100.0000 %	100.0000 %		
1,2-DICHLOROPROPANE	0.0033	0.0050		0.0000 ND			0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		90.0000 %			98.0000 %	101.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND			0.0000 ND	0.0000 ND		
2-HEXANONE	0.0110	0.0500		0.0000 ND			0.0000 ND	0.0000 ND		
ACETONE	0.0110	0.1000	8000.000	0.0000 ND			0.0000 ND	2.1000 TR		
BENZENE	0.0022	0.0050	24.1000	0.0000 ND			0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0022	0.0050		0.0000 ND			0.0000 ND	0.0000 ND		
BROMOFORM	0.0055	0.0050	88.6000	0.0000 ND			0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0044	0.0100	32.0000	0.0000 ND			0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0055	0.0050	8000.000	0.0000 ND			0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0033	0.0050		0.0000 ND			0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0022	N/A	2160.000	0.0000 ND			0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0110	0.0100		0.0000 ND			0.0000 ND	0.0000 ND		
CHLOROFORM	0.0022	0.0050		0.0000 ND			0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0067	0.0100		0.0000 ND			0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0044	0.0050		0.0000 ND			0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0022	0.0050	8000.000	0.0000 ND			0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0000 ND			0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0000 ND			0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0033	0.0050	93.3000	0.0035			5.8000 =	3.9000		
STYRENE	0.0055	0.0050		0.0000 ND			0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0022	0.0050	800.0000	0.0000 ND			0.0000 ND	0.0000 ND		
TOLUENE	0.0033	0.0050	16000.00	0.0000 ND			0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		97.0000 %			95.0000 %	97.0000 %		
TRICHLOROETHYLENE (TCE)	0.0033	0.0050	63.6000	0.0000 ND			0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0078	0.0500		0.0000 ND			0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0044	0.0100		0.0000 ND			0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0055	0.0050	160000.0	0.0000 ND			0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0055	0.0050		0.0000 ND			0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0055	0.0050		0.0000 ND			0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0033	0.0050		0.0000 ND			0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-239: Oil/Water Separator ST239 Bldg 1058
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-239-01-0204 Lab ID: P273509	Field ID: KAFB-239-01-0709 Lab ID: P273510	Field ID: KAFB-239-01-1721 Lab ID: P273511	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-241-05209 Lab ID: P273502	Ambient Blank Field ID: Lab ID:	Lab ID: P274906
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
bis(2-CHLOROISOPROPYL) ETHER	100.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND				0.0000 ND		0.0000
bis(2-CHLOROISOPROPYL) ETHER	100.0000	0.7000		0.0000 ND				0.0000 ND		0.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-239: Oil/Water Separator ST239 Bldg 1058
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID:	Field ID:	Field ID:	Trip Blank Field ID:	Equipment Blank Field ID:	Ambient Blank Field ID:	
				Lab ID: P274214	Lab ID:	Lab ID:	Lab ID:	Lab ID:	Lab ID:	Lab ID: P275161
SOLIDS, PERCENT	0.1000	N/A		88.9000						100.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-239: Oil/Water Separator ST239 Bldg 1058
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: Lab ID: 0356380014FR	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-052394 Lab ID:	Equipment Blank Field ID: KAFB-EB-222-05239 Lab ID: 0356380002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
BENZENE	0.0310	N/A	24.1000	0.0000 ND			0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-240: Holding Tank ST-240 Building 1058
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-240-01-1113 Lab ID: 0356980007SA	Field ID: KAFB-240-01-1820 Lab ID: 0356980008SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		4.4000	6.7000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-240: Holding Tank ST-240 Building 1058
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-240-01-1113 Lab ID: 0356980007SA	Field ID: KAFB-240-01-1820 Lab ID: 0356980008MS	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-224-05249 Lab ID: 0356980002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		93.0000 %	88.0000 %			96.0000 %		
BENZENE	0.0260	N/A	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0260	N/A	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
GASOLINE COMPONENTS	0.5200	N/A		0.0000 ND	0.0000 ND			8.5000 TR		
TOLUENE	0.0260	N/A	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0260	N/A	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-240: Holding Tank ST-240 Building 1058
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-240-01-1113 Lab ID: P274292	Field ID: KAFB-240-01-1820 Lab ID: P274293	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-224-05249 Lab ID: P274287	Ambient Blank Field ID: Lab ID:	Lab ID: P275112
ALUMINUM	2.0000	50.0000		3960.0000	7140.0000			0.0000 ND		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	45.9000	124.0000			0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.2100	0.4400			0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		12100.0000	35100.0000			0.0000 ND		3.1000
CHROMIUM, TOTAL	1.0000	7.0000		4.1000	8.0000			0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		3.4000	5.5000			0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		30.0000	46.6000			4.0000		0.0000 ND
IRON	0.8000	7.0000		7430.0000	12500.0000			19.0000		1.8000
LEAD	3.0000	50.0000	400.0000	5.1000	7.8000			0.0000 ND		3.0000
MAGNESIUM	3.0000	30.0000		2410.0000	4550.0000			0.0000 ND		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	132.0000	227.0000			0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	3.6000	6.7000			0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		907.0000	1410.0000			0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		259.0000	377.0000			71.0000		8.1000
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	13.1000	23.0000			0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	25.4000	42.8000			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-240: Holding Tank ST-240 Building 1058
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-240-01-1113 Lab ID: P274292	Field ID: KAFB-240-01-1820 Lab ID: P274293	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-224-05249 Lab ID: P274287	Ambient Blank Field ID: Lab ID:	Lab ID: P276082
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-240: Holding Tank ST-240 Building 1058
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-240-01-1113 Lab ID: P274292	Field ID: KAFB-240-01-1820 Lab ID: P274293	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-224-05249 Lab ID: P274287	Ambient Blank Field ID: Lab ID:	Lab ID: P275225
DIESEL COMPONENTS	N/A	10.0000		320.0000	0.0000 ND			0.0000 ND		0.0000 ND
PENTACOSANE	N/A	N/A		3650.0000	3070.0000			66.0000		3680.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-240: Holding Tank ST-240 Building 1058
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-240-01-1113 Lab ID: 0356980007SA	Field ID: KAFB-240-01-1820 Lab ID: 0356980008MS	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-052494 Lab ID: 0356980001TB	Equipment Blank Field ID: KAFB-EB-224-05249 Lab ID: 0356980002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0031	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0052	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0052	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0042	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0052	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0042	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		95.0000 %	100.0000 %		100.0000 %	97.0000 %		
1,2-DICHLOROPROPANE	0.0031	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		96.0000 %	100.0000 %		102.0000 %	100.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0100	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0100	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ACETONE	0.0100	0.1000	8000.000	0.0063 TR	0.0000 ND		0.0000 ND	6.1000 TR		
BENZENE	0.0021	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0021	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0052	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0042	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0052	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0031	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0021	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0100	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0021	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0063	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0042	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0021	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0100	0.1000	48000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0100	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0031	0.0050	93.3000	0.0053	0.0066 TR		12.0000 =	11.0000		
STYRENE	0.0052	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0021	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0031	0.0050	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		98.0000 %	101.0000 %		99.0000 %	102.0000 %		
TRICHLOROETHYLENE (TCE)	0.0031	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0073	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0042	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0052	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0052	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0052	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0031	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-240: Holding Tank ST-240 Building 1058
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-240-01-1113 Lab ID: P274292	Field ID: KAFB-240-01-1820 Lab ID: P274293	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-224-05249 Lab ID: P274287	Ambient Blank Field ID: Lab ID:	Lab ID: P275223
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		60.0000	55.0000			140.0000		64.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		31.0000	32.0000			65.0000		33.0000
2-FLUOROPHENOL	N/A	N/A		52.0000	55.0000			100.0000		54.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-240: Holding Tank ST-240 Building 1058
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-240-01-1113 Lab ID: P274292	Field ID: KAFB-240-01-1820 Lab ID: P274293	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-224-05249 Lab ID: P274287	Ambient Blank Field ID: Lab ID:	Lab ID: P275223
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	280.0000			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	N/A	0.7000		0.0000	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		29.0000	30.0000			70.0000		32.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		61.0000	60.0000			65.0000		65.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		32.0000	32.0000			65.0000		35.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	100.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-240: Holding Tank ST-240 Building 1058
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-240-01-1113 Lab ID: P274292	Field ID: KAFB-240-01-1820 Lab ID: P274293	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		9.3000	9.3000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-240: Holding Tank ST-240 Building 1058
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-240-02-1113 Lab ID: 0357630003SA	Field ID: KAFB-240-02-1820 Lab ID: 0357630004SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		8.6000	8.1000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-240: Holding Tank ST-240 Building 1058
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-240-02-1113 Lab ID: 0357630003SA	Field ID: KAFB-240-02-1820 Lab ID: 0357630004SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-240-05279 Lab ID: 0357630002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		84.0000 %	88.0000 %			96.0000 %		
BENZENE	0.0270	N/A	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0270	N/A	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
GASOLINE COMPONENTS	0.5500	N/A		0.0000 ND	0.3400 TR			6.4000 TR		
TOLUENE	0.0270	N/A	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0270	N/A	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.3000 TR		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-240: Holding Tank ST-240 Building 1058
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-240-02-1113 Lab ID: P274436	Field ID: KAFB-240-02-1820 Lab ID: P274437	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-240-05279 Lab ID: P274435	Ambient Blank Field ID: Lab ID:	Lab ID: P277142
ALUMINUM	2.0000	50.0000		7160.0000	6790.0000			0.0000 ND		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	83.5000	67.8000			0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.4300	0.4300			0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		57700.0000	18800.0000			0.0000 ND		4.6000
CHROMIUM, TOTAL	1.0000	7.0000		11.0000	11.9000			0.0000 ND		1.5000
COBALT	1.0000	7.0000		5.3000	5.9000			0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		22.8000	21.7000			12.0000		0.2000
IRON	0.8000	7.0000		13400.0000	12800.0000			131.0000		3.5000
LEAD	3.0000	50.0000	400.0000	6.7000	8.0000			0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		4490.0000	4180.0000			0.0000 ND		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	230.0000	250.0000			0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	7.8000	11.3000			0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		1580.0000	1480.0000			0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		220.0000	372.0000			50.0000		0.0000 ND
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	30.3000	23.3000			0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	34.4000	34.1000			15.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-240: Holding Tank ST-240 Building 1058
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-240-02-1113 Lab ID: P274436	Field ID: KAFB-240-02-1820 Lab ID: P274437	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-240-05279 Lab ID: P274435	Ambient Blank Field ID: Lab ID:	Lab ID: P276112
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-240: Holding Tank ST-240 Building 1058
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-240-02-1113 Lab ID: P274436	Field ID: KAFB-240-02-1820 Lab ID: P274437	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-240-05279 Lab ID: P274435	Ambient Blank Field ID: Lab ID:	Lab ID: P275994
DIESEL COMPONENTS	70.0000	10.0000		430.0000	430.0000			0.0000 ND		0.0000 ND
PENTACOSANE	N/A	N/A		4370.0000	4240.0000			106.0000		3740.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-240: Holding Tank ST-240 Building 1058
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-240-02-1113 Lab ID: 0357630003SA	Field ID: KAFB-240-02-1820 Lab ID: 0357630004SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-052794 Lab ID: 0357630001TB	Equipment Blank Field ID: KAFB-EB-240-05279 Lab ID: 0357630002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0055	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0055	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0044	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0055	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0044	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		103.0000 %	104.0000 %		102.0000 %	102.0000 %		
1,2-DICHLOROPROPANE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		97.0000 %	95.0000 %		97.0000 %	97.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ACETONE	0.0110	0.1000	8000.000	0.0062 TR	0.0072 TR		3.2000 TR	0.0170 TR		
BENZENE	0.0022	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0022	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0055	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0044	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0055	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0022	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0022	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0066	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0044	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0022	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0011 TR	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0033	0.0050	93.3000	0.0043	0.0046		2.0000 TR	0.0023 TR		
STYRENE	0.0055	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0022	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0033	0.0050	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		100.0000 %	100.0000 %		100.0000 %	100.0000 %		
TRICHLOROETHYLENE (TCE)	0.0033	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0077	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0044	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0055	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.3000 TR		
cis-1,3-DICHLOROPROPENE	0.0055	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0055	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-240: Holding Tank ST-240 Building 1058
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-240-02-1113 Lab ID: P274436	Field ID: KAFB-240-02-1820 Lab ID: P274437	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-240-05279 Lab ID: P274435	Ambient Blank Field ID: Lab ID:	Lab ID: P276019
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		65.0000	60.0000			110.0000		62.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		34.0000	34.0000			58.0000		34.0000
2-FLUOROPHENOL	N/A	N/A		60.0000	55.0000			72.0000		63.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-240: Holding Tank ST-240 Building 1058
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-240-02-1113 Lab ID: P274436	Field ID: KAFB-240-02-1820 Lab ID: P274437	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-240-05279 Lab ID: P274435	Ambient Blank Field ID: Lab ID:	Lab ID: P276019
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		33.0000	33.0000			62.0000		33.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	170.0000	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		70.0000	70.0000			51.0000		73.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		36.0000	36.0000			62.0000		36.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	100.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-240: Holding Tank ST-240 Building 1058
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-240-02-1113 Lab ID: P274436	Field ID: KAFB-240-02-1820 Lab ID: P274437	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.5000	9.1000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-241: Oil/Water Separator ST241 Bldg 1061
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-241-01-0305 Lab ID: 0356060003SA	Field ID: KAFB-241-01-0810 Lab ID: 0356060004SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		9.4000	5.4000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-241: Oil/Water Separator ST241 Bldg 1061
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-241-01-0305 Lab ID: 0356060003SA	Field ID: KAFB-241-01-0810 Lab ID: 0356060004SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-241-05209 Lab ID: 0356060002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		100.0000 %	92.0000 %			99.0000 %		
BENZENE	0.0280	N/A	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0280	N/A	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
GASOLINE COMPONENTS	0.5500	N/A		0.0000 ND	0.0000 ND			0.0000 ND		
TOLUENE	0.0280	N/A	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0280	N/A	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-241: Oil/Water Separator ST241 Bldg 1061
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-241-01-0305 Lab ID: P273503	Field ID: KAFB-241-01-0810 Lab ID: P273504	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-241-05209 Lab ID: P273502	Ambient Blank Field ID: Lab ID:	Lab ID: P274891
ALUMINUM	2.0000	50.0000		6010.0000	12700.0000			22.0000		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	7.2000			0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	150.0000	144.0000			0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.3400	0.6300			0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		30400.0000	37400.0000			28.0000		0.0000 ND
CHROMIUM, TOTAL	1.0000	7.0000		5.5000	10.7000			0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		5.2000	8.4000			0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		16.5000	35.7000			2.0000		0.0000 ND
IRON	0.8000	7.0000		10300.0000	18200.0000			23.0000		0.0000 ND
LEAD	3.0000	50.0000	400.0000	5.5000	8.6000			0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		4800.0000	6450.0000			41.0000		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	157.0000	368.0000			0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		2.9000
NICKEL	3.0000	15.0000	1600.000	5.9000	11.6000			0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		774.0000	2550.0000			0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		85.6000	111.0000			67.0000		5.3000
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	32.8000	35.2000			0.0000 ND		0.5000
ZINC	0.7000	2.0000	24000.00	23.2000	64.9000			0.0000 ND		0.7000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-241: Oil/Water Separator ST241 Bldg 1061
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-241-01-0305 Lab ID: P273503	Field ID: KAFB-241-01-0810 Lab ID: P273504	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-241-05209 Lab ID: P273502	Ambient Blank Field ID: Lab ID:	Lab ID: P276080
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-241: Oil/Water Separator ST241 Bldg 1061
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-241-01-0305 Lab ID: P273503	Field ID: KAFB-241-01-0810 Lab ID: P273504	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-241-05209 Lab ID: P273502	Ambient Blank Field ID: Lab ID:	Lab ID: P274908
DIESEL COMPONENTS	70.0000	10.0000		790.0000	660.0000			0.0000 ND		0.0000 ND
PENTACOSANE	N/A	N/A		2060.0000	2270.0000			70.0000		2010.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-241: Oil/Water Separator ST241 Bldg 1061
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-241-01-0305 Lab ID: 0356060003SA	Field ID: KAFB-241-01-0810 Lab ID: 0356060004SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-052094 Lab ID: 0356060001TB	Equipment Blank Field ID: KAFB-EB-241-05209 Lab ID: 0356060002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0055	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0055	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0044	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0055	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0044	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		101.0000 %	98.0000 %		100.0000 %	100.0000 %		
1,2-DICHLOROPROPANE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		102.0000 %	99.0000 %		98.0000 %	101.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ACETONE	0.0110	0.1000	8000.000	0.0025 TR	0.0000 ND		0.0000 ND	2.1000 TR		
BENZENE	0.0022	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0022	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0055	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0044	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0055	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0022	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0022	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0066	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0044	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0022	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0033	0.0050	93.3000	0.0066	0.0058		5.8000 =	3.9000		
STYRENE	0.0055	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0022	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0033	0.0050	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		97.0000 %	95.0000 %		95.0000 %	97.0000 %		
TRICHLOROETHYLENE (TCE)	0.0033	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0077	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0044	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0055	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0055	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0055	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

Base: KIRTLAND AFB
Site: ST-241: Oil/Water Separator ST241 Bldg 1061
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

ANALYTCAL DATA SUMMARY

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-241-01-0305 Lab ID: P273503	Field ID: KAFB-241-01-0810 Lab ID: P273504	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-241-05209 Lab ID: P273502	Ambient Blank Field ID: Lab ID:	Lab ID: P274906
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		85.0000	75.0000			85.0000		90.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		40.0000	40.0000			38.0000		42.0000
2-FLUOROPHENOL	N/A	N/A		65.0000	60.0000			55.0000		70.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-241: Oil/Water Separator ST241 Bldg 1061
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-241-01-0305 Lab ID: P273503	Field ID: KAFB-241-01-0810 Lab ID: P273504	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-241-05209 Lab ID: P273502	Ambient Blank Field ID: Lab ID:	Lab ID: P274906
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	490.0000	420.0000			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		37.0000	38.0000			39.0000		40.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	200.0000	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		75.0000	70.0000			38.0000		80.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		42.0000	42.0000			42.0000		44.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	100.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-241: Oil/Water Separator ST241 Bldg 1061
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-241-01-0305 Lab ID: P273503	Field ID: KAFB-241-01-0810 Lab ID: P273504	Field ID: Lab ID: P273504	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.3000	8.2000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-241: Oil/Water Separator ST241 Bldg 1061
Method Extraction: NONE: No Extraction Required For This Method
Method Analtical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-241-02-0305 Lab ID: 0356060005SA	Field ID: KAFB-241-02-0810 Lab ID: 0356060006SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		3.9000	14.0000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-241: Oil/Water Separator ST241 Bldg 1061
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-241-02-0305 Lab ID: 0356060005SA	Field ID: KAFB-241-02-0810 Lab ID: 0356060006SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-241-05209 Lab ID: 0356060002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		95.0000 %	90.0000 %			99.0000 %		
BENZENE	0.0260	N/A	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0260	N/A	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
GASOLINE COMPONENTS	0.5200	N/A		0.0000 ND	0.0000 ND			0.0000 ND		
TOLUENE	0.0260	N/A	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0260	N/A	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-241: Oil/Water Separator ST241 Bldg 1061
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: *Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-241-02-0305 Lab ID: P273505	Field ID: KAFB-241-02-0810 Lab ID: P273506	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-241-05209 Lab ID: P273502	Ambient Blank Field ID: Lab ID:	Lab ID: P274891
ALUMINUM	2.0000	50.0000		4850.0000	5710.0000			22.0000		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	98.1000	148.0000			0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.2100	0.3200			0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		31900.0000	16700.0000			28.0000		0.0000 ND
CHROMIUM, TOTAL	1.0000	7.0000		4.9000	6.1000			0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		2.2000	5.4000			0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		81.9000	12.9000			2.0000		0.0000 ND
IRON	0.8000	7.0000		7430.0000	11000.0000			23.0000		0.0000 ND
LEAD	3.0000	50.0000	400.0000	4.8000	5.5000			0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		2750.0000	3750.0000			41.0000		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	78.8000	202.0000			0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		2.9000
NICKEL	3.0000	15.0000	1600.000	0.0000 ND	5.7000			0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		759.0000	1260.0000			0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		111.0000	423.0000			67.0000		5.3000
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	16.5000	23.1000			0.0000 ND		0.5000
ZINC	0.7000	2.0000	24000.00	40.0000	28.1000			0.0000 ND		0.7000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-241: Oil/Water Separator ST241 Bldg 1061
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-241-02-0305 Lab ID: P273505	Field ID: KAFB-241-02-0810 Lab ID: P273506	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-241-05209 Lab ID: P273502	Ambient Blank Field ID: Lab ID:	Lab ID: P276080
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-241: Oil/Water Separator ST241 Bldg 1061
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-241-02-0305 Lab ID: P273505	Field ID: KAFB-241-02-0810 Lab ID: P273506	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-241-05209 Lab ID: P273502	Ambient Blank Field ID: Lab ID:	Lab ID: P274908
DIESEL COMPONENTS	70.0000	10.0000		800.0000	950.0000			0.0000 ND		0.0000 ND
PENTACOSANE	N/A	N/A		2210.0000	2360.0000			70.0000		2010.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-241: Oil/Water Separator ST241 Bldg 1061
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-241-02-0305 Lab ID: 0356060005SA	Field ID: KAFB-241-02-0810 Lab ID: 0356060006SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-052094 Lab ID: 0356060001TB	Equipment Blank Field ID: KAFB-EB-241-05209 Lab ID: 0356060002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0031	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0052	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0052	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0042	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0052	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0042	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		98.0000 %	100.0000 %		100.0000 %	100.0000 %		
1,2-DICHLOROPROPANE	0.0031	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		96.0000 %	98.0000 %		98.0000 %	101.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0100	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0100	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ACETONE	0.0100	0.1000	8000.000	0.0036 TR	0.0000 ND		0.0000 ND	2.1000 TR		
BENZENE	0.0021	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0021	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0052	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0042	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0052	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0031	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0021	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0100	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0021	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0062	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0042	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0021	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0100	0.1000	48000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0100	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0031	0.0050	93.3000	0.0056	0.0057		5.8000 =	3.9000		
STYRENE	0.0052	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0021	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0031	0.0050	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		100.0000 %	98.0000 %		95.0000 %	97.0000 %		
TRICHLOROETHYLENE (TCE)	0.0031	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0073	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0042	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0052	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0052	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0052	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0031	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-241: Oil/Water Separator ST241 Bldg 1061
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-241-02-0305 Lab ID: P273505	Field ID: KAFB-241-02-0810 Lab ID: P273506	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-241-05209 Lab ID: P273502	Ambient Blank Field ID: Lab ID:	Lab ID: P274906
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		85.0000	76.0000			85.0000		90.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		40.0000	40.0000			38.0000		42.0000
2-FLUOROPHENOL	N/A	N/A		65.0000	63.0000			55.0000		70.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-241: Oil/Water Separator ST241 Bldg 1061
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-241-02-0305 Lab ID: P273505	Field ID: KAFB-241-02-0810 Lab ID: P273506	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-241-05209 Lab ID: P273502	Ambient Blank Field ID: Lab ID:	Lab ID: P274906
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	370.0000	230.0000			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		38.0000	38.0000			39.0000		40.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		75.0000	72.0000			38.0000		80.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		44.0000	42.0000			42.0000		44.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	100.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-241: Oil/Water Separator ST241 Bldg 1061
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-241-02-0305 Lab ID: P273505	Field ID: KAFB-241-02-0810 Lab ID: P273506	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.5000	9.0000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-241: Oil/Water Separator ST241 Bldg 1061
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-241-03-0305 Lab ID: 0356060007SA	Field ID: KAFB-241-03-0810 Lab ID: 0356060008SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		3.8000	4.6000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-241: Oil/Water Separator ST241 Bldg 1061
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-241-03-0305 Lab ID: 0356060007SA	Field ID: KAFB-241-03-0810 Lab ID: 0356060008SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-241-05209 Lab ID: 0356060002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		96.0000 %	83.0000 %			99.0000 %		
BENZENE	0.0260	N/A	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0260	N/A	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
GASOLINE COMPONENTS	0.5200	N/A		0.0000 ND	0.0000 ND			0.0000 ND		
TOLUENE	0.0260	N/A	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0260	N/A	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-241: Oil/Water Separator ST241 Bldg 1061
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-241-03-0305 Lab ID: P273507	Field ID: KAFB-241-03-0810 Lab ID: P273508	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-241-05209 Lab ID: P273502	Ambient Blank Field ID: Lab ID:	Lab ID: P274891
ALUMINUM	2.0000	50.0000		3600.0000	4150.0000			22.0000		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	6.3000	0.0000 ND			0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	94.0000	95.2000			0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.2100	0.2100			0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		44300.0000	11900.0000			28.0000		0.0000 ND
CHROMIUM, TOTAL	1.0000	7.0000		3.3000	5.1000			0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		2.5000	2.5000			0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		20.1000	9.4000			2.0000		0.0000 ND
IRON	0.8000	7.0000		4830.0000	7020.0000			23.0000		0.0000 ND
LEAD	3.0000	50.0000	400.0000	0.0000 ND	5.5000			0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		2600.0000	2160.0000			41.0000		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	58.3000	90.3000			0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		2.9000
NICKEL	3.0000	15.0000	1600.000	3.1000	0.0000 ND			0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		556.0000	751.0000			0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		62.0000	240.0000			67.0000		5.3000
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	11.2000	14.6000			0.0000 ND		0.5000
ZINC	0.7000	2.0000	24000.00	17.2000	16.7000			0.0000 ND		0.7000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-241: Oil/Water Separator ST241 Bldg 1061
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-241-03-0305 Lab ID: P273507	Field ID: KAFB-241-03-0810 Lab ID: P273508	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-241-05209 Lab ID: P273502	Ambient Blank Field ID: Lab ID:	Lab ID: P276080
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-241: Oil/Water Separator ST241 Bldg 1061
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-241-03-0305 Lab ID: P273507	Field ID: KAFB-241-03-0810 Lab ID: P273508	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-241-05209 Lab ID: P273502	Ambient Blank Field ID: Lab ID:	Lab ID: P274908
DIESEL COMPONENTS	70.0000	10.0000		950.0000	980.0000			0.0000 ND		0.0000 ND
PENTACOSANE	N/A	N/A		2370.0000	2240.0000			70.0000		2010.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-241: Oil/Water Separator ST241 Bldg 1061
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-241-03-0305 Lab ID: 0356060007SA	Field ID: KAFB-241-03-0810 Lab ID: 0356060008SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-052094 Lab ID: 0356060001TB	Equipment Blank Field ID: KAFB-EB-241-05209 Lab ID: 0356060002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0031	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0052	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0052	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0042	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0052	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0042	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		99.0000 %	99.0000 %		100.0000 %	100.0000 %		
1,2-DICHLOROPROPANE	0.0031	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		100.0000 %	104.0000 %		98.0000 %	101.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0100	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0100	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ACETONE	0.0100	0.1000	8000.000	0.0000 ND	0.0022 TR		0.0000 ND	2.1000 TR		
BENZENE	0.0021	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0021	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0052	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0042	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0052	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0031	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0021	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0100	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0021	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0062	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0042	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0021	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0100	0.1000	48000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0100	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0031	0.0050	93.3000	0.0046	0.0046		5.8000 =	3.9000		
STYRENE	0.0052	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0021	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0031	0.0050	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		97.0000 %	97.0000 %		95.0000 %	97.0000 %		
TRICHLOROETHYLENE (TCE)	0.0031	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0073	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0042	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0052	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0052	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0052	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0031	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-241: Oil/Water Separator ST241 Bldg 1061
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-241-03-0305 Lab ID: P273507	Field ID: KAFB-241-03-0810 Lab ID: P273508	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-241-05209 Lab ID: P273502	Ambient Blank Field ID: Lab ID:	Lab ID: P274906
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		83.0000	82.0000			85.0000		90.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		40.0000	40.0000			38.0000		42.0000
2-FLUOROPHENOL	N/A	N/A		66.0000	65.0000			55.0000		70.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-241: Oil/Water Separator ST241 Bldg 1061
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-241-03-0305 Lab ID: P273507	Field ID: KAFB-241-03-0810 Lab ID: P273508	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-241-05209 Lab ID: P273502	Ambient Blank Field ID: Lab ID:	Lab ID: P274906
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	390.0000	490.0000			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		38.0000	38.0000			39.0000		40.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	220.0000			0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		72.0000	72.0000			38.0000		80.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		42.0000	42.0000			42.0000		44.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	100.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-241: Oil/Water Separator ST241 Bldg 1061
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-241-03-0305 Lab ID: P273507	Field ID: KAFB-241-03-0810 Lab ID: P273508	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.4000	9.1000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-242: Oil/Water Separator ST242 Bldg 1063
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-242-01-0611 Lab ID: 0354740014SA	Field ID: KAFB-242-99-0611 Lab ID: 0354740014SA	Field ID: KAFB-242-01-1117 Lab ID: 0354740016SA	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		8.8000	6.2000	5.5000				
MOISTURE, PERCENT	N/A	N/A		5.5000						

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-242: Oil/Water Separator ST242 Bldg 1063
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-242-01-0611 Lab ID: 0354740014SA	Field ID: KAFB-242-99-0611 Lab ID: 0354740014SA	Field ID: KAFB-242-01-1117 Lab ID: 0354740016MS	Trip Blank Field ID: KAFB-TB-01-051694 Lab ID: 0354740001TB	Equipment Blank Field ID: KAFB-TB-01-051694 Lab ID: 0354740002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		99.0000 %	105.0000 %	99.0000 %	107.0000 %	105.0000 %		
BENZENE	0.0270	N/A	24.1000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0270	N/A	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
GASOLINE COMPONENTS	0.5500	N/A		0.0000 ND	0.0000 ND	0.0000 ND	5.4000 TR	7.6000 TR		
TOLUENE	0.0270	N/A	16000.00	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0270	N/A	160000.0	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-242: Oil/Water Separator ST242 Bldg 1063
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: *Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-242-01-0611 Lab ID: P273198	Field ID: KAFB-242-99-0611 Lab ID: P273198	Field ID: KAFB-242-01-1117 Lab ID: P273200	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-TB-01-051694 Lab ID: P273187	Ambient Blank Field ID: Lab ID:	Lab ID: P273950
ALUMINUM	2.0000	50.0000		6900.0000	6420.0000	7960.0000		66.0000		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	380.0000	350.0000	94.3000		0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.3300	0.3300	0.4400		0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		50900.0000	48400.0000	30800.0000		88.0000		0.0000 ND
CHROMIUM, TOTAL	1.0000	7.0000		6.8000	6.6000	10.0000		0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		4.6000	5.1000	5.9000		0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		12.3000	13.2000	20.2000		14.0000		0.0000 ND
IRON	0.8000	7.0000		10700.0000	10500.0000	12100.0000		83.0000		0.0000 ND
LEAD	3.0000	50.0000	400.0000	4.1000	5.5000	5.5000		0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		4700.0000	4960.0000	4360.0000		214.0000		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	165.0000	171.0000	228.0000		0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	6.3000	8.1000	25.5000		0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		969.0000	836.0000	1400.0000		0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		161.0000	167.0000	419.0000		77.0000		0.0000 ND
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	28.5000	28.5000	25.3000		0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	26.6000	27.1000	33.8000		11.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-242: Oil/Water Separator ST242 Bldg 1063
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-242-01-0611 Lab ID: P273198	Field ID: KAFB-242-99-0611 Lab ID: P273198	Field ID: KAFB-242-01-1117 Lab ID: P273200	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-TB-01-051694 Lab ID: P273187	Ambient Blank Field ID: Lab ID:	Lab ID: P274883
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-242: Oil/Water Separator ST242 Bldg 1063
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-242-01-0611 Lab ID: P273196	Field ID: KAFB-242-99-0611 Lab ID: P273198	Field ID: KAFB-242-01-1117 Lab ID: P273200	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-TB-01-051694 Lab ID: P273187	Ambient Blank Field ID: Lab ID:	Lab ID: P274037
DIESEL COMPONENTS	70.0000	10.0000		1400.0000	900.0000	790.0000		110.0000		0.0000 ND
PENTACOSANE	N/A	N/A		3740.0000	3740.0000	3500.0000		92.0000		3500.0000

Base: KIRTLAND AFB
Site: ST-242: Oil/Water Separator ST242 Bldg 1063
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

ANALYTCAL DATA SUMMARY

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-242-01-0611 Lab ID: 0354740014SA	Field ID: KAFB-242-99-0611 Lab ID: 0354740014SA	Field ID: KAFB-242-01-1117 Lab ID: 0354740016MS	Trip Blank Field ID: KAFB-TB-01-051694 Lab ID: 0354740001TB	Equipment Blank Field ID: KAFB-TB-01-051694 Lab ID: 0354740002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0033	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0055	0.0050	35.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0055	0.0050	123.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0044	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0055	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0044	0.0050	7.6900	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		84.0000 %	84.0000 %	89.0000 %	92.0000 %	91.0000 %		
1,2-DICHLOROPROPANE	0.0033	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		97.0000 %	98.0000 %	96.0000 %	96.0000 %	97.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
2-HEXANONE	0.0110	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ACETONE	0.0110	0.1000	8000.000	0.0140	0.0820	0.0180	8.6000 TR	9.6000 TR		
BENZENE	0.0022	0.0050	24.1000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0022	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMOFORM	0.0055	0.0050	88.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0044	0.0100	32.0000	0.0000 ND	0.0000 ND	0.0017 TR	1.9000 TR	0.0000 ND		
CARBON DISULFIDE	0.0055	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0033	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0022	N/A	2160.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROFORM	0.0022	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0066	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0044	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0022	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0017 TR	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0033	0.0050	93.3000	0.0043	0.0041	0.0034	1.6000 TR	1.8000 TR		
STYRENE	0.0055	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0022	0.0050	800.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TOLUENE	0.0033	0.0050	16000.00	0.0035	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		102.0000 %	102.0000 %	96.0000 %	97.0000 %	98.0000 %		
TRICHLOROETHYLENE (TCE)	0.0033	0.0050	63.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0077	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0044	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0055	0.0050	160000.0	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0055	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0055	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0033	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-242: Oil/Water Separator ST242 Bldg 1063
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-242-01-0611 Lab ID: P273198	Field ID: KAFB-242-99-0611 Lab ID: P273198	Field ID: KAFB-242-01-1117 Lab ID: P273200	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-TB-01-051694 Lab ID: P273187	Ambient Blank Field ID: Lab ID:	Lab ID: P273972
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		105.0000	106.0000	113.0000		99.0000		80.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		39.0000	41.0000	41.0000		34.0000		38.0000
2-FLUOROPHENOL	N/A	N/A		75.0000	78.0000	80.0000		46.0000		70.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-242: Oil/Water Separator ST242 Bldg 1063
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-242-01-0611 Lab ID: P273198	Field ID: KAFB-242-99-0611 Lab ID: P273198	Field ID: KAFB-242-01-1117 Lab ID: P273200	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-TB-01-051694 Lab ID: P273187	Ambient Blank Field ID: Lab ID:	Lab ID: P273972
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		40.0000	42.0000	41.0000		37.0000		36.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	150.0000	320.0000	300.0000		0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		97.0000	102.0000	104.0000		44.0000		80.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		47.0000	49.0000	45.0000		42.0000		42.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	100.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-242: Oil/Water Separator ST242 Bldg 1063
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-242-01-0611 Lab ID: P273198	Field ID: KAFB-242-99-0611 Lab ID: P273198	Field ID: KAFB-242-01-1117 Lab ID: P273200	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.5000	8.2000	10.5000				
pH	N/A	N/A		10.5000						

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-242: Oil/Water Separator ST242 Bldg 1063
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-242-02-0609 Lab ID: 0354740017SA	Field ID: KAFB-242-02-1114 Lab ID: 0354740018SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		6.0000	8.3000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-242: Oil/Water Separator ST242 Bldg 1063
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-242-02-0609 Lab ID: 0354740017SA	Field ID: KAFB-242-02-1114 Lab ID: 0354740018SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-051694 Lab ID: 0354740001TB	Equipment Blank Field ID: KAFB-TB-01-051694 Lab ID: 0354740002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		96.0000 %	96.0000 %		107.0000 %	105.0000 %		
BENZENE	0.0270	N/A	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0270	N/A	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
GASOLINE COMPONENTS	0.5300	N/A		0.0000 ND	0.0000 ND		5.4000 TR	7.6000 TR		
TOLUENE	0.0270	N/A	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0270	N/A	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-242: Oil/Water Separator ST242 Bldg 1063
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-242-02-0609 Lab ID: P273201	Field ID: KAFB-242-02-1114 Lab ID: P273202	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-TB-01-051694 Lab ID: P273187	Ambient Blank Field ID: Lab ID:	Lab ID: P273950
ALUMINUM	2.0000	50.0000		5960.0000	7480.0000			66.0000		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	166.0000	128.0000			0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.3200	0.3400			0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		67700.0000	61500.0000			88.0000		0.0000 ND
CHROMIUM, TOTAL	1.0000	7.0000		9.2000	7.9000			0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		3.2000	4.5000			0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		44.4000	22.2000			14.0000		0.0000 ND
IRON	0.8000	7.0000		8180.0000	10300.0000			83.0000		0.0000 ND
LEAD	3.0000	50.0000	400.0000	3.4000	4.9000			0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		3410.0000	4800.0000			214.0000		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	129.0000	180.0000			0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	5.3000	6.6000			0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		956.0000	1150.0000			0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		239.0000	320.0000			77.0000		0.0000 ND
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	18.9000	23.7000			0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	32.8000	32.0000			11.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-242: Oil/Water Separator ST242 Bldg 1063
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-242-02-0609 Lab ID: P273201	Field ID: KAFB-242-02-1114 Lab ID: P273202	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-TB-01-051694 Lab ID: P273187	Ambient Blank Field ID: Lab ID:	Lab ID: P274883
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-242: Oil/Water Separator ST242 Bldg 1063
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-242-02-0609 Lab ID: P273201	Field ID: KAFB-242-02-1114 Lab ID: P273202	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-TB-01-051694 Lab ID: P273187	Ambient Blank Field ID: Lab ID:	Lab ID: P274037
DIESEL COMPONENTS	70.0000	10.0000		1000.0000	600.0000			110.0000		0.0000 ND
PENTACOSANE	N/A	N/A		3300.0000	3300.0000			92.0000		3500.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-242: Oil/Water Separator ST242 Bldg 1063
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-242-02-0609 Lab ID: 0354740017SA	Field ID: KAFB-242-02-1114 Lab ID: 0354740018SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-051694 Lab ID: 0354740001TB	Equipment Blank Field ID: KAFB-TB-01-051694 Lab ID: 0354740002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0032	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0053	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0053	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0043	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0053	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0043	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		85.0000 %	86.0000 %		92.0000 %	91.0000 %		
1,2-DICHLOROPROPANE	0.0032	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		91.0000 %	93.0000 %		96.0000 %	97.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ACETONE	0.0110	0.1000	8000.000	0.0065 TR	0.0120		8.6000 TR	9.6000 TR		
BENZENE	0.0021	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0021	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0053	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0043	0.0100	32.0000	0.0000 ND	0.0000 ND		1.9000 TR	0.0000 ND		
CARBON DISULFIDE	0.0053	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0032	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0021	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0021	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0064	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0043	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0021	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0000 ND	0.0013 TR		0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0032	0.0050	93.3000	0.0043	0.0045		1.6000 TR	1.8000 TR		
STYRENE	0.0053	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0021	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0032	0.0050	16000.00	0.0029 TR	0.0160		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		102.0000 %	106.0000 %		97.0000 %	98.0000 %		
TRICHLOROETHYLENE (TCE)	0.0032	0.0050	63.6000	0.0000 ND	0.0019 TR		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0074	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0043	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0053	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0053	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0053	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0032	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

Base: KIRTLAND AFB
Site: ST-242: Oil/Water Separator ST242 Bldg 1063
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

ANALYTCAL DATA SUMMARY

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-242-02-0609 Lab ID: P273201	Field ID: KAFB-242-02-1114 Lab ID: P273202	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-TB-01-051694 Lab ID: P273187	Ambient Blank Field ID: Lab ID:	Lab ID: P273974
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		115.0000	113.0000			99.0000		89.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		43.0000	41.0000			34.0000		33.0000
2-FLUOROPHENOL	N/A	N/A		82.0000	79.0000			46.0000		61.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-242: Oil/Water Separator ST242 Bldg 1063
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-242-02-0609 Lab ID: P273201	Field ID: KAFB-242-02-1114 Lab ID: P273202	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-TB-01-051694 Lab ID: P273187	Ambient Blank Field ID: Lab ID:	Lab ID: P273974
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		42.0000	42.0000			37.0000		32.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	170.0000	250.0000			0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		106.0000	102.0000			44.0000		79.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		48.0000	48.0000			42.0000		39.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	100.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-242: Oil/Water Separator ST242 Bldg 1063
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-242-02-0609 Lab ID: P273201	Field ID: KAFB-242-02-1114 Lab ID: P273202	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		10.8000	8.5000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-242: Oil/Water Separator ST242 Bldg 1063
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-242-03-0608 Lab ID: 0355170003SA	Field ID: KAFB-242-03-1113 Lab ID: 0355170004SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		5.6000	5.8000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-242: Oil/Water Separator ST242 Bldg 1063
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-242-03-0608 Lab ID: 0355170003SA	Field ID: KAFB-242-03-1113 Lab ID: 0355170004SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-217-05179 Lab ID: 0355170002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		100.0000 %	102.0000 %			100.0000 %		
BENZENE	0.0260	N/A	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0260	N/A	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
GASOLINE COMPONENTS	0.5300	N/A		0.0000 ND	0.0000 ND			0.0000 ND		
TOLUENE	0.0260	N/A	16000.00	0.0000 ND	0.0000 ND		2.9000 TR	0.0000 ND		
XYLENES, TOTAL	0.0260	N/A	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-242: Oil/Water Separator ST242 Bldg 1063
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: *Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-242-03-0608 Lab ID: P273283	Field ID: KAFB-242-03-1113 Lab ID: P273284	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-217-05179 Lab ID: P273282	Ambient Blank Field ID: Lab ID:	Lab ID: P274089
ALUMINUM	2.0000	50.0000		5330.0000	6590.0000			0.0000 ND		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	62.7000	158.0000			0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.3200	0.4500			0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		34500.0000	35400.0000			46.0000		4.1000
CHROMIUM, TOTAL	1.0000	7.0000		4.8000	7.5000			0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		1.5000	4.5000			0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		11.2000	18.0000			3.0000		0.0000 ND
IRON	0.8000	7.0000		6390.0000	8910.0000			11.0000		0.0000 ND
LEAD	3.0000	50.0000	400.0000	4.4000	5.5000			0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		2520.0000	3870.0000			0.0000 ND		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	77.1000	270.0000			0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	5.1000	7.5000			0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		763.0000	1140.0000			0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		111.0000	351.0000			250.0000		16.3000
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	15.2000	20.5000			0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	18.8000	36.4000			11.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-242: Oil/Water Separator ST242 Bldg 1063
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-242-03-0608 Lab ID: P273283	Field ID: KAFB-242-03-1113 Lab ID: P273284	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-217-05179 Lab ID: P273282	Ambient Blank Field ID: Lab ID:	Lab ID: P274885
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-242: Oil/Water Separator ST242 Bldg 1063
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-242-03-0608 Lab ID: P273283	Field ID: KAFB-242-03-1113 Lab ID: P273284	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-217-05179 Lab ID: P273282	Ambient Blank Field ID: Lab ID:	Lab ID: P274037
DIESEL COMPONENTS	70.0000	10.0000		1200.0000	860.0000			80.0000		0.0000 ND
PENTACOSANE	N/A	N/A		3880.0000	3570.0000			105.0000		3500.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-242: Oil/Water Separator ST242 Bldg 1063
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-242-03-0608 Lab ID: 0355170003SA	Field ID: KAFB-242-03-1113 Lab ID: 0355170004RA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-051794 Lab ID: 0355170001TB	Equipment Blank Field ID: KAFB-EB-217-05179 Lab ID: 0355170002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0032	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0053	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0053	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0042	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0053	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0042	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		94.0000 %	89.0000 %		87.0000 %	84.0000 %		
1,2-DICHLOROPROPANE	0.0032	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		92.0000 %	101.0000 %		97.0000 %	99.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ACETONE	0.0110	0.1000	8000.000	0.0066 TR	0.0110		12.0000 =	11.0000		
BENZENE	0.0021	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0021	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0053	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0042	0.0100	32.0000	0.0000 ND	0.0032 TR		0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0053	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0032	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0021	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0021	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0064	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0042	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0021	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0000 ND	0.0000 ND		1.4000 TR	3.4000 TR		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0000 ND	0.0000 ND		1.2000 TR	2.1000 TR		
METHYLENE CHLORIDE	0.0032	0.0050	93.3000	0.0026 TR	0.0026 TR		4.3000 =	4.0000		
STYRENE	0.0053	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0021	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0032	0.0050	16000.00	0.0000 ND	0.0035		2.9000 TR	0.0000 ND		
TOLUENE-D8	N/A	0.0050		96.0000 %	100.0000 %		102.0000 %	104.0000 %		
TRICHLOROETHYLENE (TCE)	0.0032	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0074	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0042	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0053	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0053	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0053	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0032	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-242: Oil/Water Separator ST242 Bldg 1063
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-242-03-0608 Lab ID: P273283	Field ID: KAFB-242-03-1113 Lab ID: P273284	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-217-05179 Lab ID: P273282	Ambient Blank Field ID: Lab ID:	Lab ID: P280822
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		82.0000	80.0000			109.0000		110.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		50.0000	46.0000			41.0000		43.0000
2-FLUOROPHENOL	N/A	N/A		81.0000	73.0000			51.0000		89.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

Base: KIRTLAND AFB
Site: ST-242: Oil/Water Separator ST242 Bldg 1063
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

ANALYTCAL DATA SUMMARY

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-242-03-0608 Lab ID: P273283	Field ID: KAFB-242-03-1113 Lab ID: P273284	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-217-05179 Lab ID: P273282	Ambient Blank Field ID: Lab ID:	Lab ID: P280822
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	420.0000	420.0000			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		43.0000	40.0000			43.0000		45.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	260.0000	350.0000			0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		95.0000	86.0000			46.0000		97.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		52.0000	47.0000			50.0000		53.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	100.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-242: Oil/Water Separator ST242 Bldg 1063
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-242-03-0608 Lab ID: P273283	Field ID: Lab ID: P273283	Field ID: KAFB-242-03-1113 Lab ID: P273284	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.3000		8.8000				

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-243: Oil/Water Separator ST243 Bldg 1065
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-243-01-0307 Lab ID: 0354740003SA	Field ID: KAFB-243-99-0307 Lab ID: 0354740003SA	Field ID: Lab ID: 0354740003SA	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		19.0000	19.0000					
MOISTURE, PERCENT	0.1000	N/A		7.1000						

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-243: Oil/Water Separator ST243 Bldg 1065
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-243-01-0307 Lab ID: 0354740003SA	Field ID: KAFB-243-99-0307 Lab ID: 0354740003SA	Field ID: KAFB-243-01-0810 Lab ID: 0354740005SA	Trip Blank Field ID: KAFB-TB-01-051694 Lab ID: 0354740001TB	Equipment Blank Field ID: KAFB-TB-01-051694 Lab ID: 0354740002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		94.0000 %	92.0000 %	96.0000 %	107.0000 %	105.0000 %		
BENZENE	0.0310	N/A	24.1000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0310	N/A	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
GASOLINE COMPONENTS	0.6200	N/A		0.0000 ND	0.0000 ND	0.0000 ND	5.4000 TR	7.6000 TR		
TOLUENE	0.0310	N/A	16000.00	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0310	N/A	160000.0	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-243: Oil/Water Separator ST243 Bldg 1065
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-243-01-0307 Lab ID: P273188	Field ID: KAFB-243-99-0307 Lab ID: P273188	Field ID: KAFB-243-01-0810 Lab ID: P273190	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-TB-01-051694 Lab ID: P273187	Ambient Blank Field ID: Lab ID:	Lab ID: P273950
ALUMINUM	2.0000	50.0000		5690.0000	10600.0000	7940.0000		66.0000		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	281.0000	234.0000	74.6000		0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.2300	0.5600	0.4400		0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		157000.0000	64700.0000	28200.0000		88.0000		0.0000 ND
CHROMIUM, TOTAL	1.0000	7.0000		5.2000	9.8000	8.8000		0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		3.1000	7.8000	5.9000		0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		37.0000	122.0000	72.0000		14.0000		0.0000 ND
IRON	0.8000	7.0000		7240.0000	14200.0000	11600.0000		83.0000		0.0000 ND
LEAD	3.0000	50.0000	400.0000	0.0000 ND	7.2000	6.8000		0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		5460.0000	7330.0000	4360.0000		214.0000		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	99.2000	281.0000	213.0000		0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	4.3000	10.2000	7.7000		0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		700.0000	1560.0000	1480.0000		0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		141.0000	207.0000	345.0000		77.0000		0.0000 ND
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	24.7000	41.9000	24.5000		0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	30.8000	90.0000	53.5000		11.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-243: Oil/Water Separator ST243 Bldg 1065
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-243-01-0307 Lab ID: P273188	Field ID: KAFB-243-99-0307 Lab ID: P273188	Field ID: KAFB-243-01-0610 Lab ID: P273190	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-TB-01-051694 Lab ID: P273187	Ambient Blank Field ID: Lab ID:	Lab ID: P274883
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-243: Oil/Water Separator ST243 Bldg 1065
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-243-01-0307 Lab ID: P273188	Field ID: KAFB-243-99-0307 Lab ID: P273188	Field ID: KAFB-243-01-0810 Lab ID: P273190	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-TB-01-051694 Lab ID: P273187	Ambient Blank Field ID: Lab ID:	Lab ID: P274037
DIESEL COMPONENTS	70.0000	10.0000		1100.0000	900.0000	580.0000		110.0000		0.0000 ND
PENTACOSANE	N/A	N/A		3440.0000	3480.0000	3450.0000		92.0000		3500.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-243: Oil/Water Separator ST243 Bldg 1065
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-243-01-0307 Lab ID: 0354740003SA	Field ID: KAFB-243-99-0307 Lab ID: 0354740003SA	Field ID: KAFB-243-01-0810 Lab ID: 0354740005SA	Trip Blank Field ID: KAFB-TB-01-051694 Lab ID: 0354740001TB	Equipment Blank Field ID: KAFB-TB-01-051694 Lab ID: 0354740002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0037	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0062	0.0050	35.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0062	0.0050	123.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0049	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0062	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0049	0.0050	7.6900	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		95.0000 %	90.0000 %	95.0000 %	92.0000 %	91.0000 %		
1,2-DICHLOROPROPANE	0.0037	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		94.0000 %	96.0000 %	103.0000 %	96.0000 %	97.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0120	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
2-HEXANONE	0.0120	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ACETONE	0.0120	0.1000	8000.000	0.0190	0.0380	0.0120	8.6000 TR	9.6000 TR		
BENZENE	0.0025	0.0050	24.1000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0025	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMOFORM	0.0062	0.0050	88.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0049	0.0100	32.0000	0.0026 TR	0.0026 TR	0.0015 TR	1.9000 TR	0.0000 ND		
CARBON DISULFIDE	0.0062	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0037	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0025	N/A	2160.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0120	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROFORM	0.0025	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0074	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0049	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0025	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0120	0.1000	48000.00	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0120	0.0500		0.0028 TR	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0037	0.0050	93.3000	0.0047	0.0051	0.0000 ND	1.6000 TR	1.8000 TR		
STYRENE	0.0062	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0025	0.0050	800.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TOLUENE	0.0037	0.0050	16000.00	0.0017 TR	0.0036 TR	0.0000 ND	0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		98.0000 %	101.0000 %	103.0000 %	97.0000 %	98.0000 %		
TRICHLOROETHYLENE (TCE)	0.0037	0.0050	63.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0086	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0049	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0062	0.0050	160000.0	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0062	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0062	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0037	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-243: Oil/Water Separator ST243 Bldg 1065
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-243-01-0307 Lab ID: P273188	Field ID: KAFB-243-99-0307 Lab ID: P273188	Field ID: KAFB-243-01-0810 Lab ID: P273190	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-TB-01-051694 Lab ID: P273187	Ambient Blank Field ID: Lab ID:	Lab ID: P273972
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		107.0000	100.0000	106.0000		99.0000		80.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		39.0000	38.0000	39.0000		34.0000		38.0000
2-FLUOROPHENOL	N/A	N/A		72.0000	74.0000	76.0000		46.0000		70.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-243: Oil/Water Separator ST243 Bldg 1065
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-243-01-0307 Lab ID: P273188	Field ID: KAFB-243-99-0307 Lab ID: P273188	Field ID: KAFB-243-01-0810 Lab ID: P273190	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-TB-01-051694 Lab ID: P273187	Ambient Blank Field ID: Lab ID:	Lab ID: P273972
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		39.0000	39.0000	40.0000		37.0000		36.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	540.0000	260.0000	230.0000		0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		97.0000	97.0000	97.0000		44.0000		80.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		46.0000	44.0000	45.0000		42.0000		42.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	100.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-243: Oil/Water Separator ST243 Bldg 1065
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-243-01-0307 Lab ID: P273188	Field ID: KAFB-243-99-0307 Lab ID: P273188	Field ID: Lab ID: P273188	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.5000	8.4000					
pH	N/A	N/A		8.7000						

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-243: Oil/Water Separator ST243 Bldg 1065
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-243-02-0308 Lab ID: 0354740006SA	Field ID: KAFB-243-02-0811 Lab ID: 0354740007SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		9.0000	10.0000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-243: Oil/Water Separator ST243 Bldg 1065
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-243-02-0308 Lab ID: 0354740006SA	Field ID: KAFB-243-02-0811 Lab ID: 0354740007SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-051694 Lab ID: 0354740001TB	Equipment Blank Field ID: KAFB-TB-01-051694 Lab ID: 0354740002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		102.0000 %	98.0000 %		107.0000 %	105.0000 %		
BENZENE	0.0270	N/A	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0270	N/A	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
GASOLINE COMPONENTS	0.5500	N/A		0.0000 ND	0.0000 ND		5.4000 TR	7.6000 TR		
TOLUENE	0.0270	N/A	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0270	N/A	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-243: Oil/Water Separator ST243 Bldg 1065
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-243-02-0308 Lab ID: P273191	Field ID: KAFB-243-02-0811 Lab ID: P273192	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-TB-01-051694 Lab ID: P273187	Ambient Blank Field ID: Lab ID:	Lab ID: P273950
ALUMINUM	2.0000	50.0000		7260.0000	12600.0000			66.0000		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	146.0000	87.1000			0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.4400	0.6800			0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		32500.0000	39100.0000			88.0000		0.0000 ND
CHROMIUM, TOTAL	1.0000	7.0000		9.1000	13.9000			0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		5.5000	7.8000			0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		119.0000	183.0000			14.0000		0.0000 ND
IRON	0.8000	7.0000		10600.0000	15400.0000			83.0000		0.0000 ND
LEAD	3.0000	50.0000	400.0000	5.4000	7.0000			0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		4400.0000	6090.0000			214.0000		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	199.0000	342.0000			0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	16.0000	45.9000			0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		1180.0000	2330.0000			0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		154.0000	351.0000			77.0000		0.0000 ND
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	29.3000	32.8000			0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	64.8000	106.0000			11.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-243: Oil/Water Separator ST243 Bldg 1065
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-243-02-0308 Lab ID: P273191	Field ID: KAFB-243-02-0811 Lab ID: P273192	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-TB-01-051694 Lab ID: P273187	Ambient Blank Field ID: Lab ID:	Lab ID: P274883
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-243: Oil/Water Separator ST243 Bldg 1065
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-243-02-0308 Lab ID: P273191	Field ID: KAFB-243-02-0811 Lab ID: P273192	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-TB-01-051694 Lab ID: P273187	Ambient Blank Field ID: Lab ID:	Lab ID: P274037
DIESEL COMPONENTS	70.0000	10.0000		770.0000	480.0000			110.0000		0.0000 ND
PENTACOSANE	N/A	N/A		3670.0000	3590.0000			92.0000		3500.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-243: Oil/Water Separator ST243 Bldg 1065
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-243-02-0308 Lab ID: 0354740006SA	Field ID: KAFB-243-02-0811 Lab ID: 0354740007SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-051694 Lab ID: 0354740001TB	Equipment Blank Field ID: KAFB-TB-01-051694 Lab ID: 0354740002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0055	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0055	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0044	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0055	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0044	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		83.0000 %	95.0000 %		92.0000 %	91.0000 %		
1,2-DICHLOROPROPANE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		96.0000 %	103.0000 %		96.0000 %	97.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ACETONE	0.0110	0.1000	8000.000	0.0055 TR	0.0130		8.6000 TR	9.6000 TR		
BENZENE	0.0022	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0022	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0055	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0044	0.0100	32.0000	0.0016 TR	0.0028 TR		1.9000 TR	0.0000 ND		
CARBON DISULFIDE	0.0055	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0022	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0022	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0066	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0044	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0022	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0033	0.0050	93.3000	0.0000 ND	0.0094		1.6000 TR	1.8000 TR		
STYRENE	0.0055	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0022	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0033	0.0050	16000.00	0.0000 ND	0.0042		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		102.0000 %	100.0000 %		97.0000 %	98.0000 %		
TRICHLOROETHYLENE (TCE)	0.0033	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0077	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0044	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0055	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0055	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0055	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-243: Oil/Water Separator ST243 Bldg 1065
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-243-02-0308 Lab ID: P273191	Field ID: KAFB-243-02-0811 Lab ID: P273192	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-TB-01-051694 Lab ID: P273187	Ambient Blank Field ID: Lab ID:	Lab ID: P273972
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		100.0000	107.0000			99.0000		80.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		39.0000	39.0000			34.0000		38.0000
2-FLUOROPHENOL	N/A	N/A		76.0000	74.0000			46.0000		70.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

Base: KIRTLAND AFB
Site: ST-243: Oil/Water Separator ST243 Bldg 1065
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

ANALYTCAL DATA SUMMARY

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-243-02-0308 Lab ID: P273191	Field ID: KAFB-243-02-0811 Lab ID: P273192	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-TB-01-051694 Lab ID: P273187	Ambient Blank Field ID: Lab ID:	Lab ID: P273972
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		40.0000	39.0000			37.0000		36.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	540.0000	1100.0000			0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		102.0000	101.0000			44.0000		80.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		44.0000	45.0000			42.0000		42.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	100.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-243: Oil/Water Separator ST243 Bldg 1065
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-243-02-0308 Lab ID: P273191	Field ID: KAFB-243-02-0811 Lab ID: P273192	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		10.0000	10.2000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-243: Oil/Water Separator ST243 Bldg 1065
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-243-03-0305 Lab ID: 0354740008SA	Field ID: KAFB-243-03-0811 Lab ID: 0354740009SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		13.0000	5.8000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-243: Oil/Water Separator ST243 Bldg 1065
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-243-03-0305 Lab ID: 0354740008SA	Field ID: KAFB-243-03-0811 Lab ID: 0354740009SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-051694 Lab ID: 0354740001TB	Equipment Blank Field ID: KAFB-TB-01-051694 Lab ID: 0354740002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		95.0000 %	99.0000 %		107.0000 %	105.0000 %		
BENZENE	0.0290	N/A	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0290	N/A	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
GASOLINE COMPONENTS	0.5800	N/A		0.0000 ND	0.0000 ND		5.4000 TR	7.6000 TR		
TOLUENE	0.0290	N/A	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0290	N/A	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-243: Oil/Water Separator ST243 Bldg 1065
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: *Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-243-03-0811 Lab ID: P273193	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-TB-01-051694 Lab ID: P273187	Ambient Blank Field ID: Lab ID:	Lab ID: P273950
ALUMINUM	2.0000	50.0000		8310.0000				66.0000		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND				0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND				0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	145.0000				0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.4400				0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND				0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		35000.0000				88.0000		0.0000 ND
CHROMIUM, TOTAL	1.0000	7.0000		10.5000				0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		5.7000				0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		173.0000				14.0000		0.0000 ND
IRON	0.8000	7.0000		11900.0000				83.0000		0.0000 ND
LEAD	3.0000	50.0000	400.0000	5.1000				0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		4910.0000				214.0000		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	210.0000				0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND				0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	35.6000				0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		1310.0000				0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND				0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND				0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		201.0000				77.0000		0.0000 ND
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND				0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	31.1000				0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	89.3000				11.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-243: Oil/Water Separator ST243 Bldg 1065
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-243-03-0811 Lab ID: P273193	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-TB-01-051694 Lab ID: P273187	Ambient Blank Field ID: Lab ID:	Lab ID: P274883
MERCURY	0.1000	0.1000		0.0000 ND				0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-243: Oil/Water Separator ST243 Bldg 1065
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-243-03-0811 Lab ID: P273193	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-TB-01-051694 Lab ID: P273187	Ambient Blank Field ID: Lab ID:	Lab ID: P274037
DIESEL COMPONENTS	70.0000	10.0000		410.0000				110.0000		0.0000 ND
PENTACOSANE	N/A	N/A		3590.0000				92.0000		3500.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-243: Oil/Water Separator ST243 Bldg 1065
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-243-03-0305 Lab ID: 0354740008SA	Field ID: KAFB-243-03-0611 Lab ID: 0354740009SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-051694 Lab ID: 0354740001TB	Equipment Blank Field ID: KAFB-TB-01-051694 Lab ID: 0354740002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0034	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0058	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0058	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0046	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0058	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0046	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		96.0000 %	94.0000 %		92.0000 %	91.0000 %		
1,2-DICHLOROPROPANE	0.0034	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		100.0000 %	102.0000 %		96.0000 %	97.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0120	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0120	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ACETONE	0.0120	0.1000	8000.000	0.0097 TR	0.0230		8.6000 TR	9.6000 TR		
BENZENE	0.0023	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0023	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0058	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0046	0.0100	32.0000	0.0022 TR	0.0014 TR		1.9000 TR	0.0000 ND		
CARBON DISULFIDE	0.0058	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0034	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0023	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0120	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0023	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0069	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0046	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0023	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0120	0.1000	48000.00	0.0000 ND	0.0130		0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0120	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0034	0.0050	93.3000	0.0086	0.0074		1.6000 TR	1.8000 TR		
STYRENE	0.0058	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0023	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0034	0.0050	16000.00	0.0016 TR	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		101.0000 %	103.0000 %		97.0000 %	98.0000 %		
TRICHLOROETHYLENE (TCE)	0.0034	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0081	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0046	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0058	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0058	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0058	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0034	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

Base: KIRTLAND AFB
Site: ST-243: Oil/Water Separator ST243 Bldg 1065
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

ANALYTCAL DATA SUMMARY

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-243-03-0811 Lab ID: P273193	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-TB-01-051694 Lab ID: P273187	Ambient Blank Field ID: Lab ID:	Lab ID: P273972
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND				0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND				0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		109.0000				99.0000		80.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND				0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND				0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND				0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND				0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND				0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		40.0000				34.0000		38.0000
2-FLUOROPHENOL	N/A	N/A		74.0000				46.0000		70.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND				0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND				0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND				0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND				0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND				0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND				0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND				0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND				0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND				0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND				0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND				0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND				0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND				0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND				0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND				0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND				0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND				0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-243: Oil/Water Separator ST243 Bldg 1065
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-243-03-0811 Lab ID: P273193	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-TB-01-051694 Lab ID: P273187	Ambient Blank Field ID: Lab ID:	Lab ID: P273972
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND				0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND				0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND				0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND				0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND				0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND				0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		40.0000				37.0000		36.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND				0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	260.0000				0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		97.0000				44.0000		80.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND				0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		45.0000				42.0000		42.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	100.0000	0.7000		0.0000 ND				0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND				0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-243: Oil/Water Separator ST243 Bldg 1065
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-243-03-0811 Lab ID: P273193	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		9.4000						

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-243: Oil/Water Separator ST243 Bldg 1065
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-243-04-0305 Lab ID: 0354740010SA	Field ID: KAFB-243-04-0812 Lab ID: 0354740011SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		11.0000	6.4000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-243: Oil/Water Separator ST243 Bldg 1065
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-243-04-0305 Lab ID: 0354740010SA	Field ID: KAFB-243-04-0812 Lab ID: 0354740011SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-051694 Lab ID: 0354740001TB	Equipment Blank Field ID: KAFB-TB-01-051694 Lab ID: 0354740002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		94.0000 %	99.0000 %		107.0000 %	105.0000 %		
BENZENE	0.0280	N/A	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0280	N/A	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
GASOLINE COMPONENTS	0.5600	N/A		0.0000 ND	0.0000 ND		5.4000 TR	7.6000 TR		
TOLUENE	0.0280	N/A	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0280	N/A	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-243: Oil/Water Separator ST243 Bldg 1065
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-243-04-0305 Lab ID: P273194	Field ID: KAFB-243-04-0812 Lab ID: P273195	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-TB-01-051694 Lab ID: P273187	Ambient Blank Field ID: Lab ID:	Lab ID: P273950
ALUMINUM	2.0000	50.0000		7180.0000	8770.0000			66.0000		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	288.0000	178.0000			0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.3400	0.4300			0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	1.2000			0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		81200.0000	45900.0000			88.0000		0.0000 ND
CHROMIUM, TOTAL	1.0000	7.0000		8.3000	11.6000			0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		3.9000	6.0000			0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		71.4000	55.1000			14.0000		0.0000 ND
IRON	0.8000	7.0000		9060.0000	12800.0000			83.0000		0.0000 ND
LEAD	3.0000	50.0000	400.0000	5.1000	5.1000			0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		4520.0000	4640.0000			214.0000		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	132.0000	236.0000			0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	5.9000	25.8000			0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		1110.0000	1380.0000			0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		247.0000	435.0000			77.0000		0.0000 ND
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	22.6000	32.3000			0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	46.9000	44.5000			11.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-243: Oil/Water Separator ST243 Bldg 1065
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-243-04-0305 Lab ID: P273194	Field ID: KAFB-243-04-0812 Lab ID: P273195	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-TB-01-051694 Lab ID: P273187	Ambient Blank Field ID: Lab ID:	Lab ID: P274883
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-243: Oil/Water Separator ST243 Bldg 1065
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-243-04-0305 Lab ID: P273194	Field ID: KAFB-243-04-0812 Lab ID: P273195	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-TB-01-051694 Lab ID: P273187	Ambient Blank Field ID: Lab ID:	Lab ID: P274037
DIESEL COMPONENTS	70.0000	10.0000		480.0000	790.0000			110.0000		0.0000 ND
PENTACOSANE	N/A	N/A		3700.0000	3720.0000			92.0000		3500.0000

Base: KIRTLAND AFB
Site: ST-243: Oil/Water Separator ST243 Bldg 1065
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

ANALYTCAL DATA SUMMARY

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-243-04-0305 Lab ID: 0354740010SA	Field ID: KAFB-243-04-0812 Lab ID: 0354740011SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-051694 Lab ID: 0354740001TB	Equipment Blank Field ID: KAFB-TB-01-051694 Lab ID: 0354740002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0034	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0056	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0056	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0045	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0056	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0045	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		94.0000 %	94.0000 %		92.0000 %	91.0000 %		
1,2-DICHLOROPROPANE	0.0034	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		102.0000 %	102.0000 %		96.0000 %	97.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ACETONE	0.0110	0.1000	8000.000	0.0140	0.0130		8.6000 TR	9.6000 TR		
BENZENE	0.0022	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0022	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0056	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0045	0.0100	32.0000	0.0000 ND	0.0000 ND		1.9000 TR	0.0000 ND		
CARBON DISULFIDE	0.0056	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0034	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0022	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0022	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0067	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0045	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0022	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0034	0.0050	93.3000	0.0089	0.0069		1.6000 TR	1.8000 TR		
STYRENE	0.0056	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0022	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0034	0.0050	16000.00	0.0013 TR	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		106.0000 %	104.0000 %		97.0000 %	98.0000 %		
TRICHLOROETHYLENE (TCE)	0.0034	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0078	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0045	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0056	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0056	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0056	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0034	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-243: Oil/Water Separator ST243 Bldg 1065
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-243-04-0305 Lab ID: P273194	Field ID: KAFB-243-04-0812 Lab ID: P273195	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-TB-01-051694 Lab ID: P273187	Ambient Blank Field ID: Lab ID:	Lab ID: P273972
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		107.0000	105.0000			99.0000		80.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		40.0000	40.0000			34.0000		38.0000
2-FLUOROPHENOL	N/A	N/A		76.0000	76.0000			46.0000		70.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

Base: KIRTLAND AFB
Site: ST-243: Oil/Water Separator ST243 Bldg 1065
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

ANALYTCAL DATA SUMMARY

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-243-04-0305 Lab ID: P273194	Field ID: KAFB-243-04-0812 Lab ID: P273195	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-TB-01-051694 Lab ID: P273187	Ambient Blank Field ID: Lab ID:	Lab ID: P273972
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		41.0000	41.0000			37.0000		36.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	430.0000	260.0000			0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		101.0000	102.0000			44.0000		80.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		45.0000	46.0000			42.0000		42.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	100.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-243: Oil/Water Separator ST243 Bldg 1065
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-243-04-0305 Lab ID: P273194	Field ID: KAFB-243-04-0812 Lab ID: P273195	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		9.1000	11.6000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-243: Oil/Water Separator ST243 Bldg 1065
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-243-05-0306 Lab ID: 0354740012SA	Field ID: KAFB-243-05-0811 Lab ID: 0354740013SA	Field ID: Lab ID: 0354740013SA	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		17.0000	19.0000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-243: Oil/Water Separator ST243 Bldg 1065
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-243-05-0306 Lab ID: 0354740012SA	Field ID: KAFB-243-05-0811 Lab ID: 0354740013SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-051694 Lab ID: 0354740001TB	Equipment Blank Field ID: KAFB-TB-01-051694 Lab ID: 0354740002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		91.0000 %	95.0000 %		107.0000 %	105.0000 %		
BENZENE	0.0300	N/A	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0300	N/A	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
GASOLINE COMPONENTS	0.6000	N/A		0.0000 ND	0.0000 ND		5.4000 TR	7.6000 TR		
TOLUENE	0.0300	N/A	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0300	N/A	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-243: Oil/Water Separator ST243 Bldg 1065
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-243-05-0306 Lab ID: P273196	Field ID: KAFB-243-05-0811 Lab ID: P273197	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-TB-01-051694 Lab ID: P273187	Ambient Blank Field ID: Lab ID:	Lab ID: P274089
ALUMINUM	2.0000	50.0000		7400.0000	9930.0000			66.0000		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	237.0000	352.0000			0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.3400	0.5600			0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.8000	0.7900			0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		95600.0000	27100.0000			88.0000		4.1000
CHROMIUM, TOTAL	1.0000	7.0000		6.6000	9.7000			0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		2.9000	6.2000			0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		19.2000	20.4000			14.0000		0.0000 ND
IRON	0.8000	7.0000		7890.0000	12700.0000			83.0000		0.0000 ND
LEAD	3.0000	50.0000	400.0000	3.5000	4.2000			0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		4520.0000	5090.0000			214.0000		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	109.0000	257.0000			0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	5.8000	10.7000			0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		890.0000	1520.0000			0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		95.9000	240.0000			77.0000		16.3000
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	27.1000	33.7000			0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	22.1000	35.4000			11.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-243: Oil/Water Separator ST243 Bldg 1065
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-243-05-0306 Lab ID: P273196	Field ID: KAFB-243-05-0811 Lab ID: P273197	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-TB-01-051694 Lab ID: P273187	Ambient Blank Field ID: Lab ID:	Lab ID: P274883
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-243: Oil/Water Separator ST243 Bldg 1065
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-243-05-0306 Lab ID: P273196	Field ID: KAFB-243-05-0811 Lab ID: P273197	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-TB-01-051694 Lab ID: P273187	Ambient Blank Field ID: Lab ID:	Lab ID: P274037
DIESEL COMPONENTS	70.0000	10.0000		260.0000	820.0000			110.0000		0.0000 ND
PENTACOSANE	N/A	N/A		3550.0000	3710.0000			92.0000		3500.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-243: Oil/Water Separator ST243 Bldg 1065
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-243-05-0306 Lab ID: 0354740012SA	Field ID: KAFB-243-05-0811 Lab ID: 0354740013SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-051694 Lab ID: 0354740001TB	Equipment Blank Field ID: KAFB-TB-01-051694 Lab ID: 0354740002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0036	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0060	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0060	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0048	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0060	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0048	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		93.0000 %	86.0000 %		92.0000 %	91.0000 %		
1,2-DICHLOROPROPANE	0.0036	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		102.0000 %	99.0000 %		96.0000 %	97.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0120	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0120	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ACETONE	0.0120	0.1000	8000.000	0.0150	0.0080 TR		8.6000 TR	9.6000 TR		
BENZENE	0.0024	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0024	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0060	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0048	0.0100	32.0000	0.0000 ND	0.0000 ND		1.9000 TR	0.0000 ND		
CARBON DISULFIDE	0.0060	0.0050	8000.000	0.0017 TR	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0036	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0024	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0120	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0024	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0072	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0048	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0024	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0120	0.1000	48000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0120	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0036	0.0050	93.3000	0.0094	0.0041		1.6000 TR	1.8000 TR		
STYRENE	0.0060	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0024	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0036	0.0050	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		104.0000 %	102.0000 %		97.0000 %	98.0000 %		
TRICHLOROETHYLENE (TCE)	0.0036	0.0050	63.6000	0.0014 TR	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0084	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0048	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0060	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0060	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0060	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0036	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

Base: KIRTLAND AFB
Site: ST-243: Oil/Water Separator ST243 Bldg 1065
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

ANALYTCAL DATA SUMMARY

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-243-05-0306 Lab ID: P273196	Field ID: KAFB-243-05-0811 Lab ID: P273197	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-TB-01-051694 Lab ID: P273187	Ambient Blank Field ID: Lab ID:	Lab ID: P273972
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		109.0000	109.0000			99.0000		80.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		41.0000	40.0000			34.0000		38.0000
2-FLUOROPHENOL	N/A	N/A		82.0000	76.0000			46.0000		70.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-243: Oil/Water Separator ST243 Bldg 1065
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-243-05-0306 Lab ID: P273196	Field ID: KAFB-243-05-0811 Lab ID: P273197	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-TB-01-051694 Lab ID: P273187	Ambient Blank Field ID: Lab ID:	Lab ID: P273972
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	240.0000	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		42.0000	41.0000			37.0000		36.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	290.0000	330.0000			0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		104.0000	101.0000			44.0000		80.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		48.0000	47.0000			42.0000		42.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	100.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-243: Oil/Water Separator ST243 Bldg 1065
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-243-05-0306 Lab ID: P273196	Field ID: KAFB-243-05-0811 Lab ID: P273197	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.3000	8.6000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-244: Oil/Water Separator ST244 Bldg 1064
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-244-01-0812 Lab ID: 0357140003SA	Field ID: KAFB-244-99-0812 Lab ID: 0357140003SA	Field ID: KAFB-244-01-1822 Lab ID: 0357140005SA	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		22.0000	5.7000	5.0000				
MOISTURE, PERCENT	N/A	N/A		5.0000						

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-244: Oil/Water Separator ST244 Bldg 1064
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-244-01-0812 Lab ID: 0357140003SA	Field ID: KAFB-244-99-0812 Lab ID: 0357140003SA	Field ID: KAFB-244-01-1822 Lab ID: 0357140005MS	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-244-05259 Lab ID: 0357140002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		123.0000 %	89.0000 %	74.0000 %		96.0000 %		
BENZENE	0.0320	N/A	24.1000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0320	N/A	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
GASOLINE COMPONENTS	0.6400	N/A		0.0000 ND	0.0000 ND	0.0000 ND		7.1000 TR		
TOLUENE	0.0320	N/A	16000.00	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0320	N/A	160000.0	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-244: Oil/Water Separator ST244 Bldg 1064
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: *Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-244-01-0812 Lab ID: P274336	Field ID: KAFB-244-99-0812 Lab ID: P274336	Field ID: KAFB-244-01-1822 Lab ID: P274338	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-244-05259 Lab ID: P274335	Ambient Blank Field ID: Lab ID:	Lab ID: P275155
ALUMINUM	2.0000	50.0000		9530.0000	9780.0000	15600.0000		23.0000		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	95.6000	190.0000	90.6000		0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.5600	0.4700	0.9000		0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		20800.0000	51600.0000	31200.0000		69.0000		2.0000
CHROMIUM, TOTAL	1.0000	7.0000		8.8000	12.7000	16.6000		0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		8.3000	7.5000	9.4000		0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		22.3000	25.0000	23.1000		17.0000		0.0000 ND
IRON	0.8000	7.0000		16100.0000	16200.0000	20200.0000		49.0000		0.0000 ND
LEAD	3.0000	50.0000	400.0000	8.0000	6.4000	11.9000		0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		6710.0000	7400.0000	7710.0000		83.0000		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	294.0000	308.0000	422.0000		0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	8.7000	24.5000	14.0000		0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		1410.0000	1590.0000	2770.0000		0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		150.0000	189.0000	802.0000		71.0000		4.6000
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	37.0000	38.9000	37.2000		0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	43.6000	43.0000	52.7000		16.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-244: Oil/Water Separator ST244 Bldg 1064
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-244-01-0812 Lab ID: P274336	Field ID: KAFB-244-99-0812 Lab ID: P274336	Field ID: KAFB-244-01-1822 Lab ID: P274338	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-244-05259 Lab ID: P274335	Ambient Blank Field ID: Lab ID:	Lab ID: P276082
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-244: Oil/Water Separator ST244 Bldg 1064
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-244-01-0812 Lab ID: P274336	Field ID: KAFB-244-99-0812 Lab ID: P274336	Field ID: KAFB-244-01-1822 Lab ID: P274338	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-244-05259 Lab ID: P274335	Ambient Blank Field ID: Lab ID:	Lab ID: P275225
DIESEL COMPONENTS	70.0000	10.0000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PENTACOSANE	N/A	N/A		3550.0000	3720.0000	3130.0000		102.0000		3680.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-244: Oil/Water Separator ST244 Bldg 1064
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-244-01-0812 Lab ID: 0357140003SA	Field ID: KAFB-244-99-0812 Lab ID: 0357140003SA	Field ID: KAFB-244-01-1822 Lab ID: 0357140005MS	Trip Blank Field ID: KAFB-TB-01-052594 Lab ID: 0357140001TB	Equipment Blank Field ID: KAFB-EB-244-05259 Lab ID: 0357140002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0039	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0064	0.0050	35.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0064	0.0050	123.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0051	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0064	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0051	0.0050	7.6900	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		95.0000 %	97.0000 %	97.0000 %	98.0000 %	96.0000 %		
1,2-DICHLOROPROPANE	0.0039	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		96.0000 %	98.0000 %	98.0000 %	99.0000 %	93.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0130	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
2-HEXANONE	0.0130	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ACETONE	0.0130	0.1000	8000.000	0.0000 ND	0.0047 TR	0.0000 ND	0.0000 ND	8.5000 TR		
BENZENE	0.0026	0.0050	24.1000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0026	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMOFORM	0.0064	0.0050	88.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0051	0.0100	32.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0064	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0039	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0026	N/A	2160.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0130	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROFORM	0.0026	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0077	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0051	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0026	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0130	0.1000	48000.00	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0130	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0039	0.0050	93.3000	0.0068	0.0048	0.0035	4.7000 =	4.6000		
STYRENE	0.0064	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0026	0.0050	800.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TOLUENE	0.0039	0.0050	16000.00	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		98.0000 %	98.0000 %	99.0000 %	98.0000 %	101.0000 %		
TRICHLOROETHYLENE (TCE)	0.0039	0.0050	63.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0090	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0051	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0064	0.0050	160000.0	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0064	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0064	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0039	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-244: Oil/Water Separator ST244 Bldg 1064
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-244-01-0812 Lab ID: P274336	Field ID: KAFB-244-99-0812 Lab ID: P274336	Field ID: KAFB-244-01-1822 Lab ID: P274338	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-244-05259 Lab ID: P274335	Ambient Blank Field ID: Lab ID:	Lab ID: P275223
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		60.0000	60.0000	54.0000		110.0000		64.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		32.0000	32.0000	31.0000		61.0000		33.0000
2-FLUOROPHENOL	N/A	N/A		55.0000	55.0000	50.0000		76.0000		54.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-244: Oil/Water Separator ST244 Bldg 1064
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-244-01-0812 Lab ID: P274336	Field ID: KAFB-244-99-0812 Lab ID: P274336	Field ID: KAFB-244-01-1822 Lab ID: P274338	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-244-05259 Lab ID: P274335	Ambient Blank Field ID: Lab ID:	Lab ID: P275223
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND	310.0000		0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		30.0000	30.0000	29.0000		66.0000		32.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		63.0000	60.0000	59.0000		59.0000		65.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		33.0000	33.0000	31.0000		67.0000		35.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	100.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	100.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-244: Oil/Water Separator ST244 Bldg 1064
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-244-01-0812 Lab ID: P274336	Field ID: KAFB-244-99-0812 Lab ID: P274336	Field ID: KAFB-244-01-1822 Lab ID: P274338	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.6000	8.1000	9.0000				
pH	N/A	N/A		9.0000						

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-244: Oil/Water Separator ST244 Bldg 1064
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-244-02-0305 Lab ID: 0357140006SA	Field ID: KAFB-244-02-0810 Lab ID: 0357140007SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		2.4000	12.0000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-244: Oil/Water Separator ST244 Bldg 1064
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-244-02-0305 Lab ID: 0357140006SA	Field ID: KAFB-244-02-0810 Lab ID: 0357140007SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-244-05259 Lab ID: 0357140002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		91.0000 %	89.0000 %			96.0000 %		
BENZENE	0.0260	N/A	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0260	N/A	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
GASOLINE COMPONENTS	0.5100	N/A		0.0000 ND	0.0000 ND			7.1000 TR		
TOLUENE	0.0260	N/A	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0260	N/A	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-244: Oil/Water Separator ST244 Bldg 1064
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-244-02-0305 Lab ID: P274339	Field ID: KAFB-244-02-0810 Lab ID: P274340	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-244-05259 Lab ID: P274335	Ambient Blank Field ID: Lab ID:	Lab ID: P275155
ALUMINUM	2.0000	50.0000		2520.0000	7060.0000			23.0000		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	141.0000	293.0000			0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.2200	0.3300			0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		22700.0000	72100.0000			69.0000		2.0000
CHROMIUM, TOTAL	1.0000	7.0000		4.0000	7.7000			0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		2.0000	6.0000			0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		66.6000	41.1000			17.0000		0.0000 ND
IRON	0.8000	7.0000		5510.0000	11900.0000			49.0000		0.0000 ND
LEAD	3.0000	50.0000	400.0000	4.0000	6.6000			0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		2270.0000	6270.0000			83.0000		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	85.8000	189.0000			0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	27.6000	7.2000			0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		414.0000	1020.0000			0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		128.0000	271.0000			71.0000		4.6000
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	13.7000	33.9000			0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	31.3000	39.6000			16.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-244: Oil/Water Separator ST244 Bldg 1064
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-244-02-0305 Lab ID: P274339	Field ID: KAFB-244-02-0810 Lab ID: P274340	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-244-05259 Lab ID: P274335	Ambient Blank Field ID: Lab ID:	Lab ID: P276082
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-244: Oil/Water Separator ST244 Bldg 1064
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-244-02-0305 Lab ID: P274339	Field ID: KAFB-244-02-0810 Lab ID: P274340	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-244-05259 Lab ID: P274335	Ambient Blank Field ID: Lab ID:	Lab ID: P275225
DIESEL COMPONENTS	70.0000	10.0000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PENTACOSANE	N/A	N/A		3700.0000	3750.0000			102.0000		3680.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-244: Oil/Water Separator ST244 Bldg 1064
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-244-02-0305 Lab ID: 0357140006SA	Field ID: KAFB-244-02-0810 Lab ID: 0357140007SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-052594 Lab ID: 0357140001TB	Equipment Blank Field ID: KAFB-EB-244-05259 Lab ID: 0357140002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0031	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0051	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0051	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0041	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0051	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0041	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		97.0000 %	94.0000 %		98.0000 %	96.0000 %		
1,2-DICHLOROPROPANE	0.0031	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		99.0000 %	98.0000 %		99.0000 %	93.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0100	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0100	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ACETONE	0.0100	0.1000	8000.000	0.0150	0.0099 TR		0.0000 ND	8.5000 TR		
BENZENE	0.0020	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0020	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0051	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0041	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0051	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0031	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0020	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0100	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0020	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0061	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0041	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0020	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0100	0.1000	48000.00	0.0029 TR	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0100	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0031	0.0050	93.3000	0.0061	0.0054		4.7000 =	4.6000		
STYRENE	0.0051	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0020	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0031	0.0050	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		99.0000 %	98.0000 %		98.0000 %	101.0000 %		
TRICHLOROETHYLENE (TCE)	0.0031	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0072	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0041	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0051	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0051	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0051	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0031	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-244: Oil/Water Separator ST244 Bldg 1064
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-244-02-0305 Lab ID: P274339	Field ID: KAFB-244-02-0810 Lab ID: P274340	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-244-05259 Lab ID: P274335	Ambient Blank Field ID: Lab ID:	Lab ID: P275223
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		57.0000	60.0000			110.0000		64.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		31.0000	32.0000			61.0000		33.0000
2-FLUOROPHENOL	N/A	N/A		53.0000	55.0000			76.0000		54.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-244: Oil/Water Separator ST244 Bldg 1064
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-244-02-0305 Lab ID: P274339	Field ID: KAFB-244-02-0810 Lab ID: P274340	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-244-05259 Lab ID: P274335	Ambient Blank Field ID: Lab ID:	Lab ID: P275223
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		30.0000	30.0000			66.0000		32.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	330.0000			0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		61.0000	60.0000			59.0000		65.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		33.0000	32.0000			67.0000		35.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	100.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-244: Oil/Water Separator ST244 Bldg 1064
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-244-02-0305 Lab ID: P274339	Field ID: KAFB-244-02-0810 Lab ID: P274340	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.7000	8.5000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-244: Oil/Water Separator ST244 Bldg 1064
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-244-03-0305 Lab ID: 0357140008SA	Field ID: KAFB-244-03-0810 Lab ID: 0357140009SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		8.1000	3.9000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-244: Oil/Water Separator ST244 Bldg 1064
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-244-03-0305 Lab ID: 0357140008SA	Field ID: KAFB-244-03-0810 Lab ID: 0357140009SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-244-05259 Lab ID: 0357140002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		89.0000 %	90.0000 %			96.0000 %		
BENZENE	0.0270	N/A	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0270	N/A	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
GASOLINE COMPONENTS	0.5400	N/A		0.0000 ND	0.0000 ND			7.1000 TR		
TOLUENE	0.0270	N/A	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0270	N/A	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-244: Oil/Water Separator ST244 Bldg 1064
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-244-03-0305 Lab ID: P274341	Field ID: KAFB-244-03-0810 Lab ID: P274342	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-244-05259 Lab ID: P274335	Ambient Blank Field ID: Lab ID:	Lab ID: P275155
ALUMINUM	2.0000	50.0000		3530.0000	6040.0000			23.0000		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	225.0000	158.0000			0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.2200	0.3300			0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		79800.0000	16700.0000			69.0000		2.0000
CHROMIUM, TOTAL	1.0000	7.0000		4.1000	6.2000			0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		2.7000	5.8000			0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		29.0000	17.9000			17.0000		0.0000 ND
IRON	0.8000	7.0000		4360.0000	12400.0000			49.0000		0.0000 ND
LEAD	3.0000	50.0000	400.0000	12.6000	6.9000			0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		3190.0000	4410.0000			83.0000		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	52.3000	220.0000			0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	3.8000	7.2000			0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		506.0000	1040.0000			0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		114.0000	328.0000			71.0000		4.6000
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	15.2000	26.4000			0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	21.2000	34.8000			16.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-244: Oil/Water Separator ST244 Bldg 1064
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-244-03-0305 Lab ID: P274341	Field ID: KAFB-244-03-0810 Lab ID: P274342	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-244-05259 Lab ID: P274335	Ambient Blank Field ID: Lab ID:	Lab ID: P276082
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-244: Oil/Water Separator ST244 Bldg 1064
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-244-03-0305 Lab ID: P274341	Field ID: KAFB-244-03-0810 Lab ID: P274342	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-244-05259 Lab ID: P274335	Ambient Blank Field ID: Lab ID:	Lab ID: P275225
DIESEL COMPONENTS	70.0000	10.0000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PENTACOSANE	N/A	N/A		3780.0000	3780.0000			102.0000		3680.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-244: Oil/Water Separator ST244 Bldg 1064
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-244-03-0305 Lab ID: 0357140008SA	Field ID: KAFB-244-03-0810 Lab ID: 0357140009SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-052594 Lab ID: 0357140001TB	Equipment Blank Field ID: KAFB-EB-244-05259 Lab ID: 0357140002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0054	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0054	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0044	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0054	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0044	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		93.0000 %	96.0000 %		98.0000 %	96.0000 %		
1,2-DICHLOROPROPANE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		99.0000 %	98.0000 %		99.0000 %	93.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ACETONE	0.0110	0.1000	8000.000	0.0081 TR	0.0000 ND		0.0000 ND	8.5000 TR		
BENZENE	0.0022	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0022	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0054	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0044	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0054	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0022	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0022	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0065	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0044	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0022	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0033	0.0050	93.3000	0.0082	0.0083		4.7000 =	4.6000		
STYRENE	0.0054	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0022	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0033	0.0050	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		98.0000 %	100.0000 %		98.0000 %	101.0000 %		
TRICHLOROETHYLENE (TCE)	0.0033	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0076	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0044	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0054	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0054	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0054	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-244: Oil/Water Separator ST244 Bldg 1064
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-244-03-0305 Lab ID: P274341	Field ID: KAFB-244-03-0810 Lab ID: P274342	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-244-05259 Lab ID: P274335	Ambient Blank Field ID: Lab ID:	Lab ID: P275223
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		60.0000	60.0000			110.0000		64.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		32.0000	32.0000			61.0000		33.0000
2-FLUOROPHENOL	N/A	N/A		55.0000	50.0000			76.0000		54.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-244: Oil/Water Separator ST244 Bldg 1064
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-244-03-0305 Lab ID: P274341	Field ID: KAFB-244-03-0810 Lab ID: P274342	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-244-05259 Lab ID: P274335	Ambient Blank Field ID: Lab ID:	Lab ID: P275223
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		31.0000	30.0000			66.0000		32.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	220.0000	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		65.0000	60.0000			59.0000		65.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		34.0000	32.0000			67.0000		35.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	100.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-244: Oil/Water Separator ST244 Bldg 1064
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-244-03-0305 Lab ID: P274341	Field ID: KAFB-244-03-0810 Lab ID: P274342	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.5000	8.6000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-244: Oil/Water Separator ST244 Bldg 1064
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-244-04-0305 Lab ID: 0357140010SA	Field ID: KAFB-244-04-0810 Lab ID: 0357140011SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		8.8000	3.8000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-244: Oil/Water Separator ST244 Bldg 1064
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-244-04-0305 Lab ID: 0357140010SA	Field ID: KAFB-244-04-0810 Lab ID: 0357140011SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-244-05259 Lab ID: 0357140002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		94.0000 %	76.0000 %			96.0000 %		
BENZENE	0.0270	N/A	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0270	N/A	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
GASOLINE COMPONENTS	0.5500	N/A		0.0000 ND	0.0000 ND			7.1000 TR		
TOLUENE	0.0270	N/A	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0270	N/A	160000.0	0.0000 ND	0.0200		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-244: Oil/Water Separator ST244 Bldg 1064
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: *Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-244-04-0305 Lab ID: P274343	Field ID: KAFB-244-04-0810 Lab ID: P274344	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-244-05259 Lab ID: P274335	Ambient Blank Field ID: Lab ID:	Lab ID: P275155
ALUMINUM	2.0000	50.0000		3560.0000	14400.0000			23.0000		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	314.0000	207.0000			0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.2300	0.8300			0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		142000.0000	49400.0000			69.0000		2.0000
CHROMIUM, TOTAL	1.0000	7.0000		3.7000	14.7000			0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		1.6000	12.0000			0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		19.1000	30.3000			17.0000		0.0000 ND
IRON	0.8000	7.0000		4120.0000	21800.0000			49.0000		0.0000 ND
LEAD	3.0000	50.0000	400.0000	3.7000	12.2000			0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		4680.0000	9240.0000			83.0000		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	47.7000	511.0000			0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	0.0000 ND	13.1000			0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		375.0000	2270.0000			0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		102.0000	930.0000			71.0000		4.6000
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	15.9000	45.8000			0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	17.0000	59.2000			16.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-244: Oil/Water Separator ST244 Bldg 1064
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-244-04-0305 Lab ID: P274343	Field ID: KAFB-244-04-0610 Lab ID: P274344	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-244-05259 Lab ID: P274335	Ambient Blank Field ID: Lab ID:	Lab ID: P276082
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-244: Oil/Water Separator ST244 Bldg 1064
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-244-04-0305 Lab ID: P274343	Field ID: KAFB-244-04-0810 Lab ID: P274344	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-244-05259 Lab ID: P274335	Ambient Blank Field ID: Lab ID:	Lab ID: P275225
DIESEL COMPONENTS	70.0000	10.0000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PENTACOSANE	N/A	N/A		3760.0000	3500.0000			102.0000		3680.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-244: Oil/Water Separator ST244 Bldg 1064
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-244-04-0305 Lab ID: 0357140010SA	Field ID: KAFB-244-04-0810 Lab ID: 0357140011SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-052594 Lab ID: 0357140001TB	Equipment Blank Field ID: KAFB-EB-244-05259 Lab ID: 0357140002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0055	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0055	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0044	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0055	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0044	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		92.0000 %	96.0000 %		98.0000 %	96.0000 %		
1,2-DICHLOROPROPANE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		96.0000 %	96.0000 %		99.0000 %	93.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ACETONE	0.0110	0.1000	8000.000	0.0059 TR	0.0035 TR		0.0000 ND	8.5000 TR		
BENZENE	0.0022	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0022	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0055	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0044	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0055	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0022	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0022	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0066	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0044	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0022	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0033	0.0050	93.3000	0.0072	0.0061		4.7000 =	4.6000		
STYRENE	0.0055	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0022	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0033	0.0050	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		98.0000 %	100.0000 %		98.0000 %	101.0000 %		
TRICHLOROETHYLENE (TCE)	0.0033	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0077	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0044	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0055	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0055	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0055	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-244: Oil/Water Separator ST244 Bldg 1064
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-244-04-0305 Lab ID: P274343	Field ID: KAFB-244-04-0810 Lab ID: P274344	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-244-05259 Lab ID: P274335	Ambient Blank Field ID: Lab ID:	Lab ID: P275223
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		60.0000	55.0000			110.0000		64.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		30.0000	31.0000			61.0000		33.0000
2-FLUOROPHENOL	N/A	N/A		50.0000	50.0000			76.0000		54.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-244: Oil/Water Separator ST244 Bldg 1064
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-244-04-0305 Lab ID: P274343	Field ID: KAFB-244-04-0810 Lab ID: P274344	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-244-05259 Lab ID: P274335	Ambient Blank Field ID: Lab ID:	Lab ID: P275223
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		30.0000	28.0000			66.0000		32.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		60.0000	60.0000			59.0000		65.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		32.0000	32.0000			67.0000		35.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	100.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-244: Oil/Water Separator ST244 Bldg 1064
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-244-04-0305 Lab ID: P274343	Field ID: KAFB-244-04-0810 Lab ID: P274344	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.5000	9.1000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-244: Oil/Water Separator ST244 Bldg 1064
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-244-05-0305 Lab ID: 0357140012SA	Field ID: KAFB-244-05-0810 Lab ID: 0357140013SA	Field ID: Lab ID: 0357140013SA	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		8.7000	5.3000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-244: Oil/Water Separator ST244 Bldg 1064
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-244-05-0305 Lab ID: 0357140012SA	Field ID: KAFB-244-05-0810 Lab ID: 0357140013SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-244-05259 Lab ID: 0357140002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		91.0000 %	90.0000 %			96.0000 %		
BENZENE	0.0270	N/A	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0270	N/A	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
GASOLINE COMPONENTS	0.5500	N/A		0.0000 ND	0.0000 ND			7.1000 TR		
TOLUENE	0.0270	N/A	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0270	N/A	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-244: Oil/Water Separator ST244 Bldg 1064
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: *Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-244-05-0305 Lab ID: P274345	Field ID: KAFB-244-05-0810 Lab ID: P274346	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-244-05259 Lab ID: P274335	Ambient Blank Field ID: Lab ID:	Lab ID: P275155
ALUMINUM	2.0000	50.0000		4720.0000	5440.0000			23.0000		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	227.0000	195.0000			0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.2200	0.3200			0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		79400.0000	28200.0000			69.0000		2.0000
CHROMIUM, TOTAL	1.0000	7.0000		4.2000	5.9000			0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		2.9000	4.2000			0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		48.7000	10.8000			17.0000		0.0000 ND
IRON	0.8000	7.0000		5520.0000	9770.0000			49.0000		0.0000 ND
LEAD	3.0000	50.0000	400.0000	5.4000	5.2000			0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		3190.0000	4070.0000			83.0000		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	53.7000	133.0000			0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	4.0000	4.4000			0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		572.0000	874.0000			0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		148.0000	283.0000			71.0000		4.6000
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	16.8000	23.5000			0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	30.9000	21.8000			16.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-244: Oil/Water Separator ST244 Bldg 1064
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-244-05-0305 Lab ID: P274345	Field ID: KAFB-244-05-0810 Lab ID: P274346	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-244-05259 Lab ID: P274335	Ambient Blank Field ID: Lab ID:	Lab ID: P276082
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-244: Oil/Water Separator ST244 Bldg 1064
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-244-05-0305 Lab ID: P274345	Field ID: KAFB-244-05-0810 Lab ID: P274346	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-244-05259 Lab ID: P274335	Ambient Blank Field ID: Lab ID:	Lab ID: P275225
DIESEL COMPONENTS	70.0000	10.0000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PENTACOSANE	N/A	N/A		3650.0000	3850.0000			102.0000		3680.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-244: Oil/Water Separator ST244 Bldg 1064
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-244-05-0305 Lab ID: 0357140012SA	Field ID: KAFB-244-05-0810 Lab ID: 0357140013SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-052594 Lab ID: 0357140001TB	Equipment Blank Field ID: KAFB-EB-244-05259 Lab ID: 0357140002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0055	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0055	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0044	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0055	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0044	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		92.0000 %	94.0000 %		98.0000 %	96.0000 %		
1,2-DICHLOROPROPANE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		94.0000 %	96.0000 %		99.0000 %	93.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ACETONE	0.0110	0.1000	8000.000	0.0029 TR	0.0052 TR		0.0000 ND	8.5000 TR		
BENZENE	0.0022	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0022	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0055	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0044	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0055	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0022	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0022	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0066	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0044	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0022	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0033	0.0050	93.3000	0.0063	0.0051		4.7000 =	4.6000		
STYRENE	0.0055	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0022	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0033	0.0050	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		99.0000 %	100.0000 %		98.0000 %	101.0000 %		
TRICHLOROETHYLENE (TCE)	0.0033	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0077	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0044	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0055	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0055	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0055	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-244: Oil/Water Separator ST244 Bldg 1064
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-244-05-0305 Lab ID: P274345	Field ID: KAFB-244-05-0810 Lab ID: P274346	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-244-05259 Lab ID: P274335	Ambient Blank Field ID: Lab ID:	Lab ID: P275223
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		60.0000	55.0000			110.0000		64.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		31.0000	31.0000			61.0000		33.0000
2-FLUOROPHENOL	N/A	N/A		50.0000	50.0000			76.0000		54.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-244: Oil/Water Separator ST244 Bldg 1064
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-244-05-0305 Lab ID: P274345	Field ID: KAFB-244-05-0810 Lab ID: P274346	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-244-05259 Lab ID: P274335	Ambient Blank Field ID: Lab ID:	Lab ID: P275223
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		30.0000	29.0000			66.0000		32.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	220.0000	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		60.0000	60.0000			59.0000		65.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		32.0000	32.0000			67.0000		35.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	100.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-244: Oil/Water Separator ST244 Bldg 1064
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-244-05-0305 Lab ID: P274345	Field ID: KAFB-244-05-0810 Lab ID: P274346	Field ID: Lab ID: P274346	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.6000	7.6000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-245: Holding Tank ST-245 Building 1064
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-245-01-0810 Lab ID: 0357140014SA	Field ID: KAFB-245-01-1822 Lab ID: 0357140015SA	Field ID: KAFB-245-99-1822 Lab ID: 0357140015SA	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		2.8000	2.6000	6.7000				

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-245: Holding Tank ST-245 Building 1064
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-245-01-0810 Lab ID: 0357140014SA	Field ID: KAFB-245-01-1822 Lab ID: 0357140015SA	Field ID: KAFB-245-99-1822 Lab ID: 0357140015SA	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-244-05259 Lab ID: 0357140002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		92.0000 %	85.0000 %	80.0000 %		96.0000 %		
BENZENE	0.0260	N/A	24.1000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0260	N/A	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
GASOLINE COMPONENTS	0.5100	N/A		0.0000 ND	0.0000 ND	0.0000 ND		7.1000 TR		
TOLUENE	0.0260	N/A	16000.00	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0260	N/A	160000.0	0.0000 ND	0.0000 ND	0.0150	0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-245: Holding Tank ST-245 Building 1064
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-245-01-0810 Lab ID: P274347	Field ID: KAFB-245-01-1822 Lab ID: P274348	Field ID: KAFB-245-99-1822 Lab ID: P274348	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-244-05259 Lab ID: P274335	Ambient Blank Field ID: Lab ID:	Lab ID: P275155
ALUMINUM	2.0000	50.0000		5490.0000	8990.0000	7130.0000		23.0000		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	509.0000	95.0000	64.7000		0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.4200	0.5600	0.4300		0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		45200.0000	87600.0000	17900.0000		69.0000		2.0000
CHROMIUM, TOTAL	1.0000	7.0000		4.2000	8.8000	7.9000		0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		6.9000	6.8000	5.2000		0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		38.6000	83.6000	19.5000		17.0000		0.0000 ND
IRON	0.8000	7.0000		11700.0000	13000.0000	11100.0000		49.0000		0.0000 ND
LEAD	3.0000	50.0000	400.0000	5.5000	7.7000	5.8000		0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		5100.0000	5450.0000	3790.0000		83.0000		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	226.0000	205.0000	208.0000		0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	4.6000	8.2000	6.7000		0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		1040.0000	1690.0000	1380.0000		0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		347.0000	713.0000	459.0000		71.0000		4.6000
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	25.9000	23.4000	19.3000		0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	41.0000	58.9000	31.8000		16.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-245: Holding Tank ST-245 Building 1064
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-245-01-0810 Lab ID: P274347	Field ID: KAFB-245-01-1822 Lab ID: P274348	Field ID: KAFB-245-99-1822 Lab ID: P274348	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-244-05259 Lab ID: P274335	Ambient Blank Field ID: Lab ID:	Lab ID: P276112
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-245: Holding Tank ST-245 Building 1064
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-245-01-0810 Lab ID: P274347	Field ID: KAFB-245-01-1822 Lab ID: P274348	Field ID: KAFB-245-99-1822 Lab ID: P274348	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-244-05259 Lab ID: P274335	Ambient Blank Field ID: Lab ID:	Lab ID: P275225
DIESEL COMPONENTS	70.0000	10.0000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PENTACOSANE	N/A	N/A		3680.0000	3230.0000	3630.0000		102.0000		3680.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-245: Holding Tank ST-245 Building 1064
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-245-01-0810 Lab ID: 0357140014SA	Field ID: KAFB-245-01-1822 Lab ID: 0357140015SA	Field ID: KAFB-245-99-1822 Lab ID: 0357140015SA	Trip Blank Field ID: KAFB-TB-01-052594 Lab ID: 0357140001TB	Equipment Blank Field ID: KAFB-EB-244-05259 Lab ID: 0357140002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0031	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0051	0.0050	35.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0051	0.0050	123.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0041	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0051	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0041	0.0050	7.6900	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		95.0000 %	94.0000 %	95.0000 %	98.0000 %	96.0000 %		
1,2-DICHLOROPROPANE	0.0031	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		96.0000 %	93.0000 %	97.0000 %	99.0000 %	93.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0100	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
2-HEXANONE	0.0100	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ACETONE	0.0100	0.1000	8000.000	0.0000 ND	0.0000 ND	0.0140	0.0000 ND	8.5000 TR		
BENZENE	0.0021	0.0050	24.1000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0021	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMOFORM	0.0051	0.0050	88.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0041	0.0100	32.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0051	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0031	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0021	N/A	2160.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0100	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROFORM	0.0021	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0062	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0041	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0021	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0100	0.1000	48000.00	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0100	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0031	0.0050	93.3000	0.0051	0.0062	0.0057	4.7000 =	4.6000		
STYRENE	0.0051	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0021	0.0050	800.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TOLUENE	0.0031	0.0050	16000.00	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		97.0000 %	100.0000 %	99.0000 %	98.0000 %	101.0000 %		
TRICHLOROETHYLENE (TCE)	0.0031	0.0050	63.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0072	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0041	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0051	0.0050	160000.0	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0051	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0051	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0031	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-245: Holding Tank ST-245 Building 1064
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-245-01-0810 Lab ID:	Field ID: KAFB-245-01-1822 Lab ID: P274348	Field ID: KAFB-245-99-1822 Lab ID: P274348	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-244-05259 Lab ID: P274335	Ambient Blank Field ID: Lab ID:	Lab ID:
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2,4,6-TRIBROMOPHENOL	N/A	N/A		55.0000	50.0000	50.0000		110.0000		
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2-FLUOROBIPHENYL	N/A	N/A		30.0000	32.0000	30.0000		61.0000		
2-FLUOROPHENOL	N/A	N/A		50.0000	55.0000	50.0000		76.0000		
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-245: Holding Tank ST-245 Building 1064
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-245-01-0810 Lab ID:	Field ID: KAFB-245-01-1822 Lab ID: P274348	Field ID: KAFB-245-99-1822 Lab ID: P274348	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-244-05259 Lab ID: P274335	Ambient Blank Field ID: Lab ID:	Lab ID:
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
NITROBENZENE-D5	N/A	0.7000		28.0000	31.0000	31.0000		66.0000		
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	0.0000 ND	160.0000		0.0000 ND		
PHENOL-D5	N/A	N/A		60.0000	65.0000	60.0000		59.0000		
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
TERPHENYL-D14	N/A	N/A		30.0000	32.0000	32.0000		67.0000		
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	100.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-245: Holding Tank ST-245 Building 1064
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-245-01-0810 Lab ID: P274347	Field ID: KAFB-245-01-1822 Lab ID: P274348	Field ID: KAFB-245-99-1822 Lab ID: P274348	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.5000	7.7000	8.3000				

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-246: Oil/Water Separator & Holding Tank
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-246-01-1013 Lab ID: P268155	Field ID: KAFB-246-01-1416 Lab ID: P268157	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID: P268965
SOLIDS, PERCENT	N/A	N/A		93.6000	87.0000					100.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-246: Oil/Water Separator & Holding Tank
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-246-01-1013 Lab ID: P268155	Field ID: KAFB-246-01-1416 Lab ID: P268157	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-210-03259 Lab ID: P268150	Ambient Blank Field ID: Lab ID:	Lab ID: P270064
ALUMINUM	2.0000	50.0000		8190.0000	13800.0000			33.0000		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	70.3000	65.3000			0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.4300	0.8000			0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		34000.0000	41300.0000			84.0000		0.0000 ND
CHROMIUM, TOTAL	1.0000	7.0000		9.2000	14.1000			0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		6.0000	8.2000			0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		24.9000	21.5000			11.0000		0.0000 ND
IRON	0.8000	7.0000		11400.0000	16400.0000			36.0000		0.9000
LEAD	3.0000	50.0000	400.0000	4.9000	10.5000			0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		4440.0000	7100.0000			39.0000		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	186.0000	316.0000			0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	6.9000	14.1000			0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		1460.0000	2210.0000			0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			5.0000		0.0000 ND
SODIUM	3.0000	30.0000		304.0000	550.0000			121.0000		0.0000 ND
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	22.3000	27.6000			0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	39.1000	59.4000			11.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-246: Oil/Water Separator & Holding Tank
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-246-01-1013 Lab ID: P268155	Field ID: KAFB-246-01-1416 Lab ID: P268157	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-210-03259 Lab ID: P268150	Ambient Blank Field ID: Lab ID:	Lab ID: P270334
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-246: Oil/Water Separator & Holding Tank
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-246-01-1013 Lab ID:	Field ID: KAFB-246-01-1416 Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-210-03259 Lab ID: P268150	Ambient Blank Field ID: Lab ID:	Lab ID:
GASOLINE COMPONENTS	100.0000	1.0000		0.0000 ND	15000.0000			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-246: Oil/Water Separator & Holding Tank
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-246-01-1013 Lab ID: P268155	Field ID: KAFB-246-01-1416 Lab ID: P268157	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-210-03259 Lab ID: P268150	Ambient Blank Field ID: Lab ID:	Lab ID: P268944
DIESEL COMPONENTS	70.0000	10.0000		17000.0000	16000.0000			0.0000 ND		0.0000 ND
PENTACOSANE	N/A	N/A		107.0000	104.0000			78.0000		88.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-246: Oil/Water Separator & Holding Tank
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-246-01-1013 Lab ID: P268155	Field ID: KAFB-246-01-1416 Lab ID: P268157	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID: P272880
1,1,1-TRICHLOROETHANE	50000.00	0.0050		0.0000 ND	0.0000 ND					0.0000 ND
1,1,2,2-TETRACHLOROETHANE	37500.00	0.0050	35.0000	0.0000 ND	0.0000 ND					0.0000 ND
1,1,2-TRICHLOROETHANE	25000.00	0.0050	123.0000	0.0000 ND	0.0000 ND					0.0000 ND
1,1-DICHLOROETHANE	37500.00	0.0050		0.0000 ND	0.0000 ND					0.0000 ND
1,1-DICHLOROETHENE	75000.00	0.0050		0.0000 ND	0.0000 ND					0.0000 ND
1,2-DICHLOROETHANE	25000.00	0.0050	7.6900	0.0000 ND	0.0000 ND					0.0000 ND
1,2-DICHLOROETHANE-D4	N/A	N/A		0.0000	60.0000					7297.0000
1,2-DICHLOROPROPANE	25000.00	0.0050		0.0000 ND	0.0000 ND					0.0000 ND
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		0.0000	57.0000					6141.0000
2-CHLOROETHYL VINYL ETHER	37500.00	0.0100		0.0000 ND	0.0000 ND					0.0000 ND
2-HEXANONE	50000.00	0.0500		0.0000 ND	0.0000 ND					0.0000 ND
ACETONE	50000.00	0.1000	8000.000	0.0000 ND	34.0000					0.0000 ND
BENZENE	25000.00	0.0050	24.1000	0.0000 ND	0.0000 ND					0.0000 ND
BROMODICHLOROMETHANE	12500.00	0.0050		0.0000 ND	0.0000 ND					0.0000 ND
BROMOFORM	37500.00	0.0050	88.6000	0.0000 ND	0.0000 ND					0.0000 ND
BROMOMETHANE	25000.00	0.0100	32.0000	0.0000 ND	0.0000 ND					0.0000 ND
CARBON DISULFIDE	75000.00	0.0050	8000.000	0.0000 ND	0.0000 ND					0.0000 ND
CARBON TETRACHLORIDE	75000.00	0.0050		0.0000 ND	0.0000 ND					0.0000 ND
CHLOROBENZENE	12500.00	N/A	2160.000	0.0000 ND	0.0000 ND					0.0000 ND
CHLOROETHANE	37500.00	0.0100		0.0000 ND	0.0000 ND					0.0000 ND
CHLOROFORM	25000.00	0.0050		0.0000 ND	0.0000 ND					0.0000 ND
CHLOROMETHANE	37500.00	0.0100		0.0000 ND	0.0000 ND					0.0000 ND
DIBROMOCHLOROMETHANE	25000.00	0.0050		0.0000 ND	0.0000 ND					0.0000 ND
ETHYLBENZENE	25000.00	0.0050	8000.000	0.0000 ND	0.0000 ND					0.0000 ND
M,P-XYLENE (SUM OF ISOMERS)	25000.00	N/A		0.0000 ND	0.0000 ND					0.0000 ND
METHYL ETHYL KETONE (2-BUTANONE)	112500.0	0.1000	48000.00	0.0000 ND	0.0000 ND					0.0000 ND
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	37500.00	0.0500		0.0000 ND	0.0000 ND					0.0000 ND
METHYLENE CHLORIDE	37500.00	0.0050	93.3000	0.0000 ND	0.0000 ND					0.0000 ND
O-XYLENE (1,2-DIMETHYLBENZENE)	25000.00	N/A		0.0000 ND	0.0000 ND					0.0000 ND
STYRENE	25000.00	0.0050		0.0000 ND	0.0000 ND					0.0000 ND
TETRACHLOROETHYLENE(PCE)	37500.00	0.0050	800.0000	0.0000 ND	0.0000 ND					0.0000 ND
TOLUENE	25000.00	0.0050	16000.00	0.0000 ND	0.0000 ND					0.0000 ND
TOLUENE-D8	N/A	0.0050		0.0000	56.0000					6042.0000
TRICHLOROETHYLENE (TCE)	25000.00	0.0050	63.6000	0.0000 ND	0.0000 ND					0.0000 ND
VINYL ACETATE	37500.00	0.0500		0.0000 ND	0.0000 ND					0.0000 ND
VINYL CHLORIDE	50000.00	0.0100		0.0000 ND	0.0000 ND					0.0000 ND
cis-1,3-DICHLOROPROPENE	25000.00	0.0050		0.0000 ND	0.0000 ND					0.0000 ND
trans-1,2-DICHLOROETHENE	50000.00	0.0050		0.0000 ND	0.0000					0.0000 ND
trans-1,3-DICHLOROPROPENE	37500.00	0.0050		0.0000 ND	0.0000 ND					0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-246: Oil/Water Separator & Holding Tank
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-246-01-1013 Lab ID: P268155	Field ID: KAFB-246-01-1416 Lab ID: P268157	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-210-03259 Lab ID: P268150	Ambient Blank Field ID: Lab ID:	Lab ID: P268898
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		56.0000	51.0000			110.0000		81.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		36.0000	36.0000			44.0000		43.0000
2-FLUOROPHENOL	N/A	N/A		67.0000	60.0000			85.0000		92.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-246: Oil/Water Separator & Holding Tank
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-246-01-1013 Lab ID: P268155	Field ID: KAFB-246-01-1416 Lab ID: P268157	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-210-03259 Lab ID: P268150	Ambient Blank Field ID: Lab ID:	Lab ID: P268898
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		35.0000	34.0000			44.0000		42.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		68.0000	63.0000			66.0000		90.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		38.0000	41.0000			60.0000		48.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	100.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-246: Oil/Water Separator & Holding Tank
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-246-01-1013 Lab ID: P268155	Field ID: KAFB-246-01-1416 Lab ID: P268157	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.7000	8.4000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-246: Oil/Water Separator & Holding Tank
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-246-02-1012 Lab ID: P268372	Field ID: KAFB-246-02-1517 Lab ID: P268373	Field ID: KAFB-246-02-2527 Lab ID: P268374	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID: P269119
SOLIDS, PERCENT	N/A	N/A		93.3000	92.1000	72.8000				100.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-246: Oil/Water Separator & Holding Tank
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-246-02-1012 Lab ID: P268372	Field ID: KAFB-246-02-1517 Lab ID: P268373	Field ID: KAFB-246-02-2527 Lab ID: P268374	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-246-03289 Lab ID: P268371	Ambient Blank Field ID: Lab ID:	Lab ID: P270202
ALUMINUM	2.0000	50.0000		4500.0000	7140.0000	24400.0000		23.0000		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	68.8000	46.5000	113.0000		0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.3200	0.5400	1.8000		0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		25800.0000	12700.0000	50800.0000		0.0000 ND		3.1000
CHROMIUM, TOTAL	1.0000	7.0000		4.5000	9.8000	21.3000		0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		3.9000	5.0000	13.0000		0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		12.1000	270.0000	22.1000		2.0000		0.1000
IRON	0.8000	7.0000		6700.0000	11600.0000	25600.0000		0.0000 ND		1.9000
LEAD	3.0000	50.0000	400.0000	0.0000 ND	5.0000	16.6000		0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		2740.0000	3690.0000	10200.0000		0.0000 ND		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	117.0000	158.0000	609.0000		27.0000		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	3.3000	9.0000	21.3000		0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		874.0000	1360.0000	4250.0000		0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.4000
SODIUM	3.0000	30.0000		68.4000	228.0000	686.0000		172.0000		0.0000 ND
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	15.4000	19.2000	45.7000		0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	24.5000	131.0000	67.3000		7.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-246: Oil/Water Separator & Holding Tank
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-246-02-1012 Lab ID: P268372	Field ID: KAFB-246-02-1517 Lab ID: P268373	Field ID: KAFB-246-02-2527 Lab ID: P268374	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-246-03289 Lab ID: P268371	Ambient Blank Field ID: Lab ID:	Lab ID: P270334
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-246: Oil/Water Separator & Holding Tank
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-246-02-1012 Lab ID:	Field ID: KAFB-246-02-1517 Lab ID:	Field ID: KAFB-246-02-2527 Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-246-03289 Lab ID: P268371	Ambient Blank Field ID: Lab ID:	Lab ID:
GASOLINE COMPONENTS	100.0000	1.0000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-246: Oil/Water Separator & Holding Tank
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-246-02-1012 Lab ID: P268372	Field ID: KAFB-246-02-1517 Lab ID: P268373	Field ID: KAFB-246-02-2527 Lab ID: P268374	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-246-03289 Lab ID: P268371	Ambient Blank Field ID: Lab ID:	Lab ID: P269094
DIESEL COMPONENTS	70.0000	10.0000		640.0000	330.0000	860.0000		0.0000 ND		0.0000 ND
PENTACOSANE	N/A	N/A		98.0000	105.0000	101.0000		87.0000		89.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-246: Oil/Water Separator & Holding Tank
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-246-02-1012 Lab ID: P268372	Field ID: KAFB-246-02-1517 Lab ID: P268373	Field ID: KAFB-246-02-2527 Lab ID: P268374	Trip Blank Field ID: KAFB-TB-01-032894 Lab ID: P268391	Equipment Blank Field ID: KAFB-EB-246-03289 Lab ID: P268371	Ambient Blank Field ID: Lab ID:	Lab ID: P272874
1,1,1-TRICHLOROETHANE	4.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND
1,1,2,2-TETRACHLOROETHANE	3.0000	0.0050	35.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND
1,1,2-TRICHLOROETHANE	2.0000	0.0050	123.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND
1,1-DICHLOROETHANE	3.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND
1,1-DICHLOROETHENE	6.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND
1,2-DICHLOROETHANE	2.0000	0.0050	7.6900	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND
1,2-DICHLOROETHANE-D4	N/A	N/A		43.0000	39.0000	61.0000	48.0000 =	49.0000		43.0000
1,2-DICHLOROPROPANE	2.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		45.0000	46.0000	62.0000	55.0000 =	54.0000		34.0000
2-CHLOROETHYL VINYL ETHER	3.0000	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND
2-HEXANONE	4.0000	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND
ACETONE	4.0000	0.1000	8000.000	22.0000	17.0000	20.0000	8.0000 =	5.0000		9.0000
BENZENE	2.0000	0.0050	24.1000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND
BROMODICHLOROMETHANE	1.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND
BROMOFORM	3.0000	0.0050	88.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND
BROMOMETHANE	2.0000	0.0100	32.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND
CARBON DISULFIDE	6.0000	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND
CARBON TETRACHLORIDE	6.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND
CHLOROBENZENE	1.0000	N/A	2160.000	2.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND
CHLOROETHANE	3.0000	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND
CHLOROFORM	2.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND
CHLOROMETHANE	3.0000	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND
DIBROMOCHLOROMETHANE	2.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND
ETHYLBENZENE	2.0000	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND
M,P-XYLENE (SUM OF ISOMERS)	2.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND
METHYL ETHYL KETONE (2-BUTANONE)	9.0000	0.1000	48000.00	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	3.0000	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND
METHYLENE CHLORIDE	3.0000	0.0050	93.3000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND
O-XYLENE (1,2-DIMETHYLBENZENE)	2.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND
STYRENE	2.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND
TETRACHLOROETHYLENE(PCE)	3.0000	0.0050	800.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND
TOLUENE	2.0000	0.0050	16000.00	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND
TOLUENE-D8	N/A	0.0050		50.0000	52.0000	65.0000	54.0000 =	54.0000		46.0000
TRICHLOROETHYLENE (TCE)	2.0000	0.0050	63.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND
VINYL ACETATE	3.0000	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND
VINYL CHLORIDE	4.0000	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND
cis-1,3-DICHLOROPROPENE	2.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND
trans-1,2-DICHLOROETHENE	4.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND
trans-1,3-DICHLOROPROPENE	3.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-246: Oil/Water Separator & Holding Tank
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-246-02-1012 Lab ID: P268372	Field ID: KAFB-246-02-1517 Lab ID: P268373	Field ID: KAFB-246-02-2527 Lab ID: P268374	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-246-03289 Lab ID: P268371	Ambient Blank Field ID: Lab ID:	Lab ID: P270100
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		67.0000	58.0000	57.0000		87.0000		73.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		43.0000	40.0000	43.0000		43.0000		47.0000
2-FLUOROPHENOL	N/A	N/A		84.0000	76.0000	82.0000		57.0000		89.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-246: Oil/Water Separator & Holding Tank
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-246-02-1012 Lab ID: P268372	Field ID: KAFB-246-02-1517 Lab ID: P268373	Field ID: KAFB-246-02-2527 Lab ID: P268374	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-246-03289 Lab ID: P268371	Ambient Blank Field ID: Lab ID:	Lab ID: P270100
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		42.0000	39.0000	42.0000		47.0000		44.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		86.0000	79.0000	86.0000		40.0000		93.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		52.0000	47.0000	54.0000		52.0000		55.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	100.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-246: Oil/Water Separator & Holding Tank
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-246-02-1012 Lab ID: P268372	Field ID: KAFB-246-02-1517 Lab ID: P268373	Field ID: KAFB-246-02-2527 Lab ID: P268374	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.3000	8.7000	8.5000				

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-246: Oil/Water Separator & Holding Tank
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-246-03-1014 Lab ID: P268375	Field ID: KAFB-246-03-1517 Lab ID: P268376	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID: P269119
SOLIDS, PERCENT	N/A	N/A		95.9000	80.3000					100.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-246: Oil/Water Separator & Holding Tank
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-246-03-1014 Lab ID: P268375	Field ID: KAFB-246-03-1517 Lab ID: P268376	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-246-03289 Lab ID: P268371	Ambient Blank Field ID: Lab ID:	Lab ID: P270202
ALUMINUM	2.0000	50.0000		4480.0000	15500.0000			23.0000		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	9.7000			0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	26.0000	1170.0000			0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.3100	1.0000			0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.7500			0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		9020.0000	53800.0000			0.0000 ND		3.1000
CHROMIUM, TOTAL	1.0000	7.0000		6.4000	19.3000			0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		4.1000	9.2000			0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		5.4000	28.4000			2.0000		0.1000
IRON	0.8000	7.0000		7840.0000	21900.0000			0.0000 ND		1.9000
LEAD	3.0000	50.0000	400.0000	0.0000 ND	10.0000			0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		2090.0000	9020.0000			0.0000 ND		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	102.0000	392.0000			27.0000		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	3.3000	18.4000			0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		914.0000	2140.0000			0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.4000
SODIUM	3.0000	30.0000		56.9000	453.0000			172.0000		0.0000 ND
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	14.2000	34.6000			0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	16.7000	67.4000			7.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-246: Oil/Water Separator & Holding Tank
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-246-03-1014 Lab ID: P268375	Field ID: KAFB-246-03-1517 Lab ID: P268376	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-246-03289 Lab ID: P268371	Ambient Blank Field ID: Lab ID:	Lab ID: P270334
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-246: Oil/Water Separator & Holding Tank
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-246-03-1014 Lab ID:	Field ID: KAFB-246-03-1517 Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-246-03289 Lab ID: P268371	Ambient Blank Field ID: Lab ID:	Lab ID:
GASOLINE COMPONENTS	100.0000	1.0000		0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-246: Oil/Water Separator & Holding Tank
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-246-03-1014 Lab ID: P268375	Field ID: KAFB-246-03-1517 Lab ID: P268376	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-246-03289 Lab ID: P268371	Ambient Blank Field ID: Lab ID:	Lab ID: P269094
DIESEL COMPONENTS	70.0000	10.0000		73.0000	290.0000			0.0000 ND		0.0000 ND
PENTACOSANE	N/A	N/A		90.0000	97.0000			87.0000		89.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-246: Oil/Water Separator & Holding Tank
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-246-03-1014 Lab ID: P268375	Field ID: KAFB-246-03-1517 Lab ID: P268376	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-032894 Lab ID: P268391	Equipment Blank Field ID: KAFB-EB-246-03289 Lab ID: P268371	Ambient Blank Field ID: Lab ID:	Lab ID: P272874
1,1,1-TRICHLOROETHANE	4.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
1,1,2,2-TETRACHLOROETHANE	3.0000	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
1,1,2-TRICHLOROETHANE	2.0000	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
1,1-DICHLOROETHANE	3.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
1,1-DICHLOROETHENE	6.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
1,2-DICHLOROETHANE	2.0000	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
1,2-DICHLOROETHANE-D4	N/A	N/A		38.0000	49.0000		48.0000 =	49.0000		43.0000
1,2-DICHLOROPROPANE	2.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		39.0000	54.0000		55.0000 =	54.0000		34.0000
2-CHLOROETHYL VINYL ETHER	3.0000	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
2-HEXANONE	4.0000	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
ACETONE	4.0000	0.1000	8000.000	13.0000	15.0000		8.0000 =	5.0000		9.0000
BENZENE	2.0000	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
BROMODICHLOROMETHANE	1.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
BROMOFORM	3.0000	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
BROMOMETHANE	2.0000	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
CARBON DISULFIDE	6.0000	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
CARBON TETRACHLORIDE	6.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
CHLOROBENZENE	1.0000	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
CHLOROETHANE	3.0000	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
CHLOROFORM	2.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
CHLOROMETHANE	3.0000	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
DIBROMOCHLOROMETHANE	2.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
ETHYLBENZENE	2.0000	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
M,P-XYLENE (SUM OF ISOMERS)	2.0000	N/A		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
METHYL ETHYL KETONE (2-BUTANONE)	9.0000	0.1000	48000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	3.0000	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
METHYLENE CHLORIDE	3.0000	0.0050	93.3000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
O-XYLENE (1,2-DIMETHYLBENZENE)	2.0000	N/A		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
STYRENE	2.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
TETRACHLOROETHYLENE(PCE)	3.0000	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
TOLUENE	2.0000	0.0050	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
TOLUENE-D8	N/A	0.0050		41.0000	57.0000		54.0000 =	54.0000		46.0000
TRICHLOROETHYLENE (TCE)	2.0000	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
VINYL ACETATE	3.0000	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
VINYL CHLORIDE	4.0000	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
cis-1,3-DICHLOROPROPENE	2.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
trans-1,2-DICHLOROETHENE	4.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
trans-1,3-DICHLOROPROPENE	3.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-246: Oil/Water Separator & Holding Tank
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-246-03-1014 Lab ID: P268375	Field ID: KAFB-246-03-1517 Lab ID: P268376	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-246-03289 Lab ID: P268371	Ambient Blank Field ID: Lab ID:	Lab ID: P270100
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		58.0000	46.0000			87.0000		73.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		43.0000	41.0000			43.0000		47.0000
2-FLUOROPHENOL	N/A	N/A		80.0000	71.0000			57.0000		89.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-246: Oil/Water Separator & Holding Tank
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-246-03-1014 Lab ID: P268375	Field ID: KAFB-246-03-1517 Lab ID: P268376	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-246-03289 Lab ID: P268371	Ambient Blank Field ID: Lab ID:	Lab ID: P270100
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		41.0000	40.0000			47.0000		44.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		84.0000	80.0000			40.0000		93.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		55.0000	51.0000			52.0000		55.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	100.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-246: Oil/Water Separator & Holding Tank
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-246-03-1014 Lab ID: P268375	Field ID: KAFB-246-03-1517 Lab ID: P268376	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.2000	8.6000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-246: Oil/Water Separator & Holding Tank
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-246-04-1014 Lab ID: P268377	Field ID: KAFB-246-99-1014 Lab ID: P268377	Field ID: Lab ID: P268390	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID: P269119
SOLIDS, PERCENT	N/A	N/A		88.9000	89.0000					100.0000
SOLIDS, PERCENT	N/A	N/A		86.8000	82.6000					100.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-246: Oil/Water Separator & Holding Tank
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-246-04-1014 Lab ID: P268377	Field ID: KAFB-246-99-1014 Lab ID: P268377	Field ID: KAFB-246-04-1519 Lab ID: P268379	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-246-03289 Lab ID: P268371	Ambient Blank Field ID: Lab ID:	Lab ID: P270202
ALUMINUM	2.0000	50.0000		6480.0000	8620.0000	8750.0000		23.0000		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	7.4000	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	366.0000	126.0000	84.5000		0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.4500	0.5600	0.6100		0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		56200.0000	79800.0000	23500.0000		0.0000 ND		3.1000
CHROMIUM, TOTAL	1.0000	7.0000		6.2000	9.4000	8.6000		0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		4.5000	6.9000	7.0000		0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		26.8000	15.3000	53.9000		2.0000		0.1000
IRON	0.8000	7.0000		8030.0000	14200.0000	13100.0000		0.0000 ND		1.9000
LEAD	3.0000	50.0000	400.0000	0.0000 ND	7.1000	5.7000		0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		5030.0000	5280.0000	5250.0000		0.0000 ND		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	109.0000	244.0000	247.0000		27.0000		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	4.9000	9.7000	10.3000		0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		950.0000	1740.0000	1520.0000		0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.4000
SODIUM	3.0000	30.0000		110.0000	155.0000	323.0000		172.0000		0.0000 ND
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	36.2000	28.5000	22.8000		0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	41.1000	44.0000	73.6000		7.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-246: Oil/Water Separator & Holding Tank
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-246-04-1014 Lab ID: P268377	Field ID: KAFB-246-99-1014 Lab ID: P268377	Field ID: KAFB-246-04-1519 Lab ID: P268379	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-246-03289 Lab ID: P268371	Ambient Blank Field ID: Lab ID:	Lab ID: P270334
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-246: Oil/Water Separator & Holding Tank
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-246-04-1014 Lab ID:	Field ID: KAFB-246-99-1014 Lab ID:	Field ID: KAFB-246-04-1519 Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-246-03289 Lab ID: P268371	Ambient Blank Field ID: Lab ID:	Lab ID:
GASOLINE COMPONENTS	100.0000	1.0000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-246: Oil/Water Separator & Holding Tank
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-246-04-1014 Lab ID: P268377	Field ID: KAFB-246-99-1014 Lab ID: P268377	Field ID: KAFB-246-04-1519 Lab ID: P268379	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-246-03289 Lab ID: P268371	Ambient Blank Field ID: Lab ID:	Lab ID: P269094
DIESEL COMPONENTS	70.0000	10.0000		1100.0000	0.0000 ND	120.0000		0.0000 ND		0.0000 ND
PENTACOSANE	N/A	N/A		92.0000	90.0000	100.0000		87.0000		89.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-246: Oil/Water Separator & Holding Tank
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-246-04-1014 Lab ID: P268377	Field ID: KAFB-246-99-1014 Lab ID: P268377	Field ID: KAFB-246-04-1519 Lab ID: P268379	Trip Blank Field ID: KAFB-TB-01-032894 Lab ID: P268391	Equipment Blank Field ID: KAFB-EB-246-03289 Lab ID: P268371	Ambient Blank Field ID: Lab ID:	Lab ID: P272874
1,1,1-TRICHLOROETHANE	4.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND
1,1,2,2-TETRACHLOROETHANE	3.0000	0.0050	35.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND
1,1,2-TRICHLOROETHANE	2.0000	0.0050	123.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND
1,1-DICHLOROETHANE	3.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND
1,1-DICHLOROETHENE	6.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND
1,2-DICHLOROETHANE	2.0000	0.0050	7.6900	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND
1,2-DICHLOROETHANE-D4	N/A	N/A		45.0000	51.0000	72.0000	48.0000 =	49.0000		43.0000
1,2-DICHLOROPROPANE	2.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		49.0000	54.0000	71.0000	55.0000 =	54.0000		34.0000
2-CHLOROETHYL VINYL ETHER	3.0000	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND
2-HEXANONE	4.0000	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND
ACETONE	4.0000	0.1000	8000.000	9.0000	9.0000	10.0000	8.0000 =	5.0000		9.0000
BENZENE	2.0000	0.0050	24.1000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND
BROMODICHLOROMETHANE	1.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND
BROMOFORM	3.0000	0.0050	88.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND
BROMOMETHANE	2.0000	0.0100	32.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND
CARBON DISULFIDE	6.0000	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND
CARBON TETRACHLORIDE	6.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND
CHLOROBENZENE	1.0000	N/A	2160.000	0.0000 ND	0.0000 ND	2.0000	0.0000 ND	0.0000 ND		0.0000 ND
CHLOROETHANE	3.0000	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND
CHLOROFORM	2.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND
CHLOROMETHANE	3.0000	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND
DIBROMOCHLOROMETHANE	2.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND
ETHYLBENZENE	2.0000	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND
M,P-XYLENE (SUM OF ISOMERS)	2.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND
METHYL ETHYL KETONE (2-BUTANONE)	9.0000	0.1000	48000.00	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	3.0000	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND
METHYLENE CHLORIDE	3.0000	0.0050	93.3000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND
O-XYLENE (1,2-DIMETHYLBENZENE)	2.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND
STYRENE	2.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND
TETRACHLOROETHYLENE(PCE)	3.0000	0.0050	800.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND
TOLUENE	2.0000	0.0050	16000.00	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND
TOLUENE-D8	N/A	0.0050		53.0000	59.0000	69.0000	54.0000 =	54.0000		46.0000
TRICHLOROETHYLENE (TCE)	2.0000	0.0050	63.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND
VINYL ACETATE	3.0000	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND
VINYL CHLORIDE	4.0000	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND
cis-1,3-DICHLOROPROPENE	2.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND
trans-1,2-DICHLOROETHENE	4.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND
trans-1,3-DICHLOROPROPENE	3.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-246: Oil/Water Separator & Holding Tank
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-246-04-1014 Lab ID: P268377	Field ID: KAFB-246-99-1014 Lab ID: P268377	Field ID: KAFB-246-04-1519 Lab ID: P268379	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-246-03289 Lab ID: P268371	Ambient Blank Field ID: Lab ID:	Lab ID: P270100
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		58.0000	70.0000	59.0000		87.0000		73.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		43.0000	46.0000	43.0000		43.0000		47.0000
2-FLUOROPHENOL	N/A	N/A		83.0000	89.0000	82.0000		57.0000		89.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-246: Oil/Water Separator & Holding Tank
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-246-04-1014 Lab ID: P268377	Field ID: KAFB-246-99-1014 Lab ID: P268377	Field ID: KAFB-246-04-1519 Lab ID: P268379	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-246-03289 Lab ID: P268371	Ambient Blank Field ID: Lab ID:	Lab ID: P270100
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ISOPHORONE	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NAPHTHALENE	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		47.0000		44.0000
NITROBENZENE	N/A	0.7000		42.0000	46.0000	42.0000		0.0000 ND		0.0000 ND
NITROBENZENE-D5	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PENTACHLOROPHENOL	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PHENANTHRENE	130.0000	0.3000	48000.00	0.0000 ND	0.0000 ND	0.0000 ND		40.0000		93.0000
PHENOL	N/A	N/A		89.0000	91.0000	85.0000		0.0000 ND		0.0000 ND
PHENOL-D5	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND	0.0000 ND		52.0000		55.0000
PYRENE	N/A	N/A		55.0000	54.0000	54.0000		0.0000 ND		0.0000 ND
TERPHENYL-D14	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
bis(2-CHLOROETHOXY) METHANE	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	100.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND	0.0000 ND				
bis(2-ETHYLHEXYL) PHTHALATE										

Base: KIRTLAND AFB
Site: ST-246: Oil/Water Separator & Holding Tank
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

ANALYTCAL DATA SUMMARY

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-246-04-1014 Lab ID: P268377	Field ID: KAFB-246-99-1014 Lab ID: P268377	Field ID: KAFB-246-04-1519 Lab ID: P268379	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.2000	8.2000	8.4000				
pH	N/A	N/A		8.4000						

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-246: Oil/Water Separator & Holding Tank
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-246-05-1012 Lab ID: P268380	Field ID: Lab ID: P268380	Field ID: KAFB-246-05-1517 Lab ID: P268381	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID: P269119
SOLIDS, PERCENT	N/A	N/A		91.0000		84.9000				100.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-246: Oil/Water Separator & Holding Tank
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: *Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-246-05-1012 Lab ID: P268380	Field ID: KAFB-246-05-1517 Lab ID: P268381	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-246-03289 Lab ID: P268371	Ambient Blank Field ID: Lab ID:	Lab ID: P270202
ALUMINUM	2.0000	50.0000		15000.0000	22000.0000			23.0000		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	517.0000	75.1000			0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.8800	1.4000			0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.7100			0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		55200.0000	53300.0000			0.0000 ND		3.1000
CHROMIUM, TOTAL	1.0000	7.0000		15.5000	18.4000			0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		9.6000	13.2000			0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		35.1000	24.6000			2.0000		0.1000
IRON	0.8000	7.0000		18800.0000	24400.0000			0.0000 ND		1.9000
LEAD	3.0000	50.0000	400.0000	9.3000	15.1000			0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		7480.0000	10300.0000			0.0000 ND		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	365.0000	553.0000			27.0000		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	15.4000	23.0000			0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		2210.0000	3120.0000			0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.4000
SODIUM	3.0000	30.0000		581.0000	740.0000			172.0000		0.0000 ND
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	33.6000	38.9000			0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	66.4000	64.3000			7.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-246: Oil/Water Separator & Holding Tank
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-246-05-1012 Lab ID: P268380	Field ID: KAFB-246-05-1517 Lab ID: P268381	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-246-03289 Lab ID: P268371	Ambient Blank Field ID: Lab ID:	Lab ID: P270336
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-246: Oil/Water Separator & Holding Tank
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-246-05-1012 Lab ID:	Field ID: KAFB-246-05-1517 Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-246-03289 Lab ID: P268371	Ambient Blank Field ID: Lab ID:	Lab ID:
GASOLINE COMPONENTS	100.0000	1.0000		0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-246: Oil/Water Separator & Holding Tank
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-246-05-1012 Lab ID: P268380	Field ID: KAFB-246-05-1517 Lab ID: P268381	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-246-03289 Lab ID: P268371	Ambient Blank Field ID: Lab ID:	Lab ID: P269096
DIESEL COMPONENTS	70.0000	10.0000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PENTACOSANE	N/A	N/A		92.0000	91.0000			87.0000		90.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-246: Oil/Water Separator & Holding Tank
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-246-05-1012 Lab ID: P268380	Field ID: KAFB-246-05-1517 Lab ID: P268381	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-032894 Lab ID: P268391	Equipment Blank Field ID: KAFB-EB-246-03289 Lab ID: P268371	Ambient Blank Field ID: Lab ID:	Lab ID: P272874
1,1,1-TRICHLOROETHANE	4.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
1,1,2,2-TETRACHLOROETHANE	3.0000	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
1,1,2-TRICHLOROETHANE	2.0000	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
1,1-DICHLOROETHANE	3.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
1,1-DICHLOROETHENE	6.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
1,2-DICHLOROETHANE	2.0000	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
1,2-DICHLOROETHANE-D4	N/A	N/A		59.0000	72.0000		48.0000 =	49.0000		43.0000
1,2-DICHLOROPROPANE	2.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		63.0000	71.0000		55.0000 =	54.0000		34.0000
2-CHLOROETHYL VINYL ETHER	3.0000	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
2-HEXANONE	4.0000	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
ACETONE	4.0000	0.1000	8000.000	10.0000	19.0000		8.0000 =	5.0000		9.0000
BENZENE	2.0000	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
BROMODICHLOROMETHANE	1.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
BROMOFORM	3.0000	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
BROMOMETHANE	2.0000	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
CARBON DISULFIDE	6.0000	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
CARBON TETRACHLORIDE	6.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
CHLOROBENZENE	1.0000	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
CHLOROETHANE	3.0000	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
CHLOROFORM	2.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
CHLOROMETHANE	3.0000	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
DIBROMOCHLOROMETHANE	2.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
ETHYLBENZENE	2.0000	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
M,P-XYLENE (SUM OF ISOMERS)	2.0000	N/A		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
METHYL ETHYL KETONE (2-BUTANONE)	9.0000	0.1000	48000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	3.0000	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
METHYLENE CHLORIDE	3.0000	0.0050	93.3000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
O-XYLENE (1,2-DIMETHYLBENZENE)	2.0000	N/A		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
STYRENE	2.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
TETRACHLOROETHYLENE(PCE)	3.0000	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
TOLUENE	2.0000	0.0050	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
TOLUENE-D8	N/A	0.0050		61.0000	71.0000		54.0000 =	54.0000		46.0000
TRICHLOROETHYLENE (TCE)	2.0000	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
VINYL ACETATE	3.0000	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
VINYL CHLORIDE	4.0000	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
cis-1,3-DICHLOROPROPENE	2.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
trans-1,2-DICHLOROETHENE	4.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
trans-1,3-DICHLOROPROPENE	3.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-246: Oil/Water Separator & Holding Tank
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-246-05-1012 Lab ID: P268380	Field ID: KAFB-246-05-1517 Lab ID: P268381	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-246-03289 Lab ID: P268371	Ambient Blank Field ID: Lab ID:	Lab ID: P270100
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		52.0000	59.0000			87.0000		73.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		42.0000	42.0000			43.0000		47.0000
2-FLUOROPHENOL	N/A	N/A		76.0000	80.0000			57.0000		89.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-246: Oil/Water Separator & Holding Tank
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-246-05-1012 Lab ID: P268380	Field ID: KAFB-246-05-1517 Lab ID: P268381	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-246-03289 Lab ID: P268371	Ambient Blank Field ID: Lab ID:	Lab ID: P270100
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		41.0000	42.0000			47.0000		44.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		82.0000	82.0000			40.0000		93.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		55.0000	51.0000			52.0000		55.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	100.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-246: Oil/Water Separator & Holding Tank
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-246-05-1012 Lab ID: P268380	Field ID: Lab ID: P268380	Field ID: KAFB-246-05-1517 Lab ID: P268381	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.1000		8.6000				

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-246: Oil/Water Separator & Holding Tank
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-246-06-1012 Lab ID: P268382	Field ID: KAFB-246-06-1517 Lab ID: P268383	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID: P269119
SOLIDS, PERCENT	N/A	N/A		85.3000	89.2000					100.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-246: Oil/Water Separator & Holding Tank
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-246-06-1012 Lab ID: P268382	Field ID: KAFB-246-06-1517 Lab ID: P268383	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-246-03289 Lab ID: P268371	Ambient Blank Field ID: Lab ID:	Lab ID: P270202
ALUMINUM	2.0000	50.0000		12400.0000	10400.0000			23.0000		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	779.0000	61.4000			0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.8200	0.6700			0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		37300.0000	29300.0000			0.0000 ND		3.1000
CHROMIUM, TOTAL	1.0000	7.0000		14.0000	9.2000			0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		9.0000	5.3000			0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		32.0000	27.5000			2.0000		0.1000
IRON	0.8000	7.0000		19100.0000	12600.0000			0.0000 ND		1.9000
LEAD	3.0000	50.0000	400.0000	8.9000	10.3000			0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		7290.0000	4340.0000			0.0000 ND		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	360.0000	221.0000			27.0000		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	13.4000	9.6000			0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		2250.0000	1770.0000			0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SILVER	N/A	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.4000
SODIUM	3.0000	30.0000		119.0000	120.0000			172.0000		0.0000 ND
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	34.3000	24.2000			0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	65.4000	44.3000			7.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-246: Oil/Water Separator & Holding Tank
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-246-06-1012 Lab ID: P268382	Field ID: KAFB-246-06-1517 Lab ID: P268383	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-246-03289 Lab ID: P268371	Ambient Blank Field ID: Lab ID:	Lab ID: P270336
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-246: Oil/Water Separator & Holding Tank
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-246-06-1012 Lab ID:	Field ID: KAFB-246-06-1517 Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-246-03289 Lab ID: P268371	Ambient Blank Field ID: Lab ID:	Lab ID:
GASOLINE COMPONENTS	100.0000	1.0000		6300.0000	140.0000			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-246: Oil/Water Separator & Holding Tank
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-246-06-1012 Lab ID: P268382	Field ID: KAFB-246-06-1517 Lab ID: P268383	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-246-03289 Lab ID: P268371	Ambient Blank Field ID: Lab ID:	Lab ID: P269096
DIESEL COMPONENTS	70.0000	10.0000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PENTACOSANE	N/A	N/A		94.0000	93.0000			87.0000		90.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-246: Oil/Water Separator & Holding Tank
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-246-06-1012 Lab ID: P268382	Field ID: KAFB-246-06-1517 Lab ID: P268383	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-032894 Lab ID: P268391	Equipment Blank Field ID: KAFB-EB-246-03289 Lab ID: P268371	Ambient Blank Field ID: Lab ID:	Lab ID: P272878
1,1,1-TRICHLOROETHANE	4.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
1,1,2,2-TETRACHLOROETHANE	3.0000	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
1,1,2-TRICHLOROETHANE	2.0000	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
1,1-DICHLOROETHANE	3.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
1,1-DICHLOROETHENE	6.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
1,2-DICHLOROETHANE	2.0000	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
1,2-DICHLOROETHANE-D4	N/A	N/A		71.0000	71.0000		48.0000 =	49.0000		62.0000
1,2-DICHLOROPROPANE	2.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		70.0000	69.0000		55.0000 =	54.0000		53.0000
2-CHLOROETHYL VINYL ETHER	3.0000	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
2-HEXANONE	4.0000	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
ACETONE	4.0000	0.1000	8000.000	13.0000	10.0000		8.0000 =	5.0000		0.0000 ND
BENZENE	2.0000	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
BROMODICHLOROMETHANE	1.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
BROMOFORM	3.0000	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
BROMOMETHANE	2.0000	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
CARBON DISULFIDE	6.0000	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
CARBON TETRACHLORIDE	6.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
CHLOROBENZENE	1.0000	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
CHLOROETHANE	3.0000	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
CHLOROFORM	2.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
CHLOROMETHANE	3.0000	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
DIBROMOCHLOROMETHANE	2.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
ETHYLBENZENE	2.0000	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
M,P-XYLENE (SUM OF ISOMERS)	2.0000	N/A		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
METHYL ETHYL KETONE (2-BUTANONE)	9.0000	0.1000	48000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	3.0000	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
METHYLENE CHLORIDE	3.0000	0.0050	93.3000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
O-XYLENE (1,2-DIMETHYLBENZENE)	2.0000	N/A		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
STYRENE	2.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
TETRACHLOROETHYLENE(PCE)	3.0000	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
TOLUENE	2.0000	0.0050	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
TOLUENE-D8	N/A	0.0050		72.0000	69.0000		54.0000 =	54.0000		51.0000
TRICHLOROETHYLENE (TCE)	2.0000	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
VINYL ACETATE	3.0000	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
VINYL CHLORIDE	4.0000	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
cis-1,3-DICHLOROPROPENE	2.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
trans-1,2-DICHLOROETHENE	4.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
trans-1,3-DICHLOROPROPENE	3.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-246: Oil/Water Separator & Holding Tank
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-246-06-1012 Lab ID: P268382	Field ID: KAFB-246-06-1517 Lab ID: P268383	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-246-03289 Lab ID: P268371	Ambient Blank Field ID: Lab ID:	Lab ID: P270102
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		59.0000	65.0000			87.0000		64.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		42.0000	43.0000			43.0000		43.0000
2-FLUOROPHENOL	N/A	N/A		82.0000	78.0000			57.0000		90.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-246: Oil/Water Separator & Holding Tank
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-246-06-1012 Lab ID: P268382	Field ID: KAFB-246-06-1517 Lab ID: P268383	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-246-03289 Lab ID: P268371	Ambient Blank Field ID: Lab ID:	Lab ID: P270102
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		41.0000	41.0000			47.0000		42.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		85.0000	84.0000			40.0000		93.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		54.0000	51.0000			52.0000		56.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	100.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-246: Oil/Water Separator & Holding Tank
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-246-06-1012 Lab ID: P268382	Field ID: KAFB-246-06-1517 Lab ID: P268383	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.1000	8.2000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-246: Oil/Water Separator & Holding Tank
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-246-07-1012 Lab ID: P268384	Field ID: KAFB-246-07-1517 Lab ID: P268385	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID: P269119
SOLIDS, PERCENT	N/A	N/A		90.1000	86.7000					100.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-246: Oil/Water Separator & Holding Tank
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: *Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-246-07-1012 Lab ID: P268384	Field ID: KAFB-246-07-1517 Lab ID: P268385	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-246-03289 Lab ID: P268371	Ambient Blank Field ID: Lab ID:	Lab ID: P270257
ALUMINUM	2.0000	50.0000		8870.0000	6850.0000			23.0000		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		-7.2000
BARIUM	0.2000	2.0000	5600.000	122.0000	70.7000			0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.5500	0.4600			0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		31200.0000	82000.0000			0.0000 ND		3.1000
CHROMIUM, TOTAL	1.0000	7.0000		8.8000	0.0000 ND			0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		8.1000	4.0000			0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		33.5000	19.7000			2.0000		0.0000 ND
IRON	0.8000	7.0000		15100.0000	8040.0000			0.0000 ND		0.0000 ND
LEAD	3.0000	50.0000	400.0000	8.1000	6.2000			0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		6200.0000	3790.0000			0.0000 ND		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	339.0000	119.0000			27.0000		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	11.2000	5.5000			0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		1830.0000	1160.0000			0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		107.0000	122.0000			172.0000		3.4000
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	27.3000	16.1000			0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	64.6000	32.9000			7.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-246: Oil/Water Separator & Holding Tank
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-246-07-1012 Lab ID: P268384	Field ID: KAFB-246-07-1517 Lab ID: P268385	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-246-03289 Lab ID: P268371	Ambient Blank Field ID: Lab ID:	Lab ID: P270336
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-246: Oil/Water Separator & Holding Tank
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-246-07-1012 Lab ID:	Field ID: KAFB-246-07-1517 Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-246-03289 Lab ID: P268371	Ambient Blank Field ID: Lab ID:	Lab ID:
GASOLINE COMPONENTS	100.0000	1.0000		0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-246: Oil/Water Separator & Holding Tank
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-246-07-1012 Lab ID: P268384	Field ID: KAFB-246-07-1517 Lab ID: P268385	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-246-03289 Lab ID: P268371	Ambient Blank Field ID: Lab ID:	Lab ID: P269096
DIESEL COMPONENTS	70.0000	10.0000		0.0000 ND	260.0000			0.0000 ND		0.0000 ND
PENTACOSANE	N/A	N/A		94.0000	94.0000			87.0000		90.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-246: Oil/Water Separator & Holding Tank
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-246-07-1012 Lab ID: P268384	Field ID: KAFB-246-07-1517 Lab ID: P268385	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-032894 Lab ID: P268391	Equipment Blank Field ID: KAFB-EB-246-03289 Lab ID: P268371	Ambient Blank Field ID: Lab ID:	Lab ID: P272878
1,1,1-TRICHLOROETHANE	4.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
1,1,2,2-TETRACHLOROETHANE	3.0000	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
1,1,2-TRICHLOROETHANE	2.0000	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
1,1-DICHLOROETHANE	3.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
1,1-DICHLOROETHENE	6.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
1,2-DICHLOROETHANE	2.0000	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
1,2-DICHLOROETHANE-D4	N/A	N/A		70.0000	69.0000		48.0000 =	49.0000		62.0000
1,2-DICHLOROPROPANE	2.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		69.0000	71.0000		55.0000 =	54.0000		53.0000
2-CHLOROETHYL VINYL ETHER	3.0000	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
2-HEXANONE	4.0000	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
ACETONE	4.0000	0.1000	8000.000	15.0000	5.0000		8.0000 =	5.0000		0.0000 ND
BENZENE	2.0000	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
BROMODICHLOROMETHANE	1.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
BROMOFORM	3.0000	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
BROMOMETHANE	2.0000	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
CARBON DISULFIDE	6.0000	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
CARBON TETRACHLORIDE	6.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
CHLOROBENZENE	1.0000	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
CHLOROETHANE	3.0000	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
CHLOROFORM	2.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
CHLOROMETHANE	3.0000	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
DIBROMOCHLOROMETHANE	2.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
ETHYLBENZENE	2.0000	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
M,P-XYLENE (SUM OF ISOMERS)	2.0000	N/A		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
METHYL ETHYL KETONE (2-BUTANONE)	9.0000	0.1000	48000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	3.0000	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
METHYLENE CHLORIDE	3.0000	0.0050	93.3000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
O-XYLENE (1,2-DIMETHYLBENZENE)	2.0000	N/A		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
STYRENE	2.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
TETRACHLOROETHYLENE(PCE)	3.0000	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
TOLUENE	2.0000	0.0050	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
TOLUENE-D8	N/A	0.0050		76.0000	72.0000		54.0000 =	54.0000		51.0000
TRICHLOROETHYLENE (TCE)	2.0000	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
VINYL ACETATE	3.0000	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
VINYL CHLORIDE	4.0000	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
cis-1,3-DICHLOROPROPENE	2.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
trans-1,2-DICHLOROETHENE	4.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
trans-1,3-DICHLOROPROPENE	3.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-246: Oil/Water Separator & Holding Tank
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-246-07-1012 Lab ID: P268384	Field ID: KAFB-246-07-1517 Lab ID: P268385	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-246-03289 Lab ID: P268371	Ambient Blank Field ID: Lab ID:	Lab ID: P270102
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		51.0000	51.0000			87.0000		64.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		42.0000	43.0000			43.0000		43.0000
2-FLUOROPHENOL	N/A	N/A		72.0000	78.0000			57.0000		90.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		

Base: KIRTLAND AFB
Site: ST-246: Oil/Water Separator & Holding Tank
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

ANALYTCAL DATA SUMMARY

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-246-07-1012 Lab ID: P268384	Field ID: KAFB-246-07-1517 Lab ID: P268385	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-246-03289 Lab ID: P268371	Ambient Blank Field ID: Lab ID:	Lab ID: P270102
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		42.0000	41.0000			47.0000		42.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		84.0000	91.0000			40.0000		93.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		52.0000	55.0000			52.0000		56.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	100.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-246: Oil/Water Separator & Holding Tank
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-246-07-1012 Lab ID: P268384	Field ID: KAFB-246-07-1517 Lab ID: P268385	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.2000	8.1000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-246: Oil/Water Separator & Holding Tank
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-246-08-1012 Lab ID: P268386	Field ID: KAFB-246-08-1517 Lab ID: P268387	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID: P269119
SOLIDS, PERCENT	N/A	N/A		86.2000	89.9000					100.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-246: Oil/Water Separator & Holding Tank
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-246-08-1012 Lab ID: P268386	Field ID: KAFB-246-08-1517 Lab ID: P268387	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-246-03289 Lab ID: P268371	Ambient Blank Field ID: Lab ID:	Lab ID: P270257
ALUMINUM	2.0000	50.0000		12500.0000	13000.0000			23.0000		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		-7.2000
BARIUM	0.2000	2.0000	5600.000	216.0000	95.3000			0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.8100	0.8900			0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.8100	0.0000 ND			0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		38400.0000	51000.0000			0.0000 ND		3.1000
CHROMIUM, TOTAL	1.0000	7.0000		11.8000	10.8000			0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		9.6000	6.8000			0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		39.1000	13.8000			2.0000		0.0000 ND
IRON	0.8000	7.0000		17200.0000	13300.0000			0.0000 ND		0.0000 ND
LEAD	3.0000	50.0000	400.0000	9.4000	11.2000			0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		7570.0000	5070.0000			0.0000 ND		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	370.0000	245.0000			27.0000		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	13.9000	13.5000			0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		1920.0000	1810.0000			0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		127.0000	112.0000			172.0000		3.4000
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	31.0000	25.4000			0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	76.6000	35.9000			7.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-246: Oil/Water Separator & Holding Tank
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-246-08-1012 Lab ID: P268386	Field ID: KAFB-246-08-1517 Lab ID: P268387	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-246-03289 Lab ID: P268371	Ambient Blank Field ID: Lab ID:	Lab ID: P270336
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-246: Oil/Water Separator & Holding Tank
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-246-08-1012 Lab ID:	Field ID: KAFB-246-08-1517 Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-246-03289 Lab ID: P268371	Ambient Blank Field ID: Lab ID:	Lab ID:
GASOLINE COMPONENTS	100.0000	1.0000		0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-246: Oil/Water Separator & Holding Tank
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-246-08-1012 Lab ID: P268386	Field ID: KAFB-246-08-1517 Lab ID: P268387	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-246-03289 Lab ID: P268371	Ambient Blank Field ID: Lab ID:	Lab ID: P269096
DIESEL COMPONENTS	70.0000	10.0000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PENTACOSANE	N/A	N/A		102.0000	105.0000			87.0000		90.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-246: Oil/Water Separator & Holding Tank
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-246-08-1012 Lab ID: P268386	Field ID: KAFB-246-08-1517 Lab ID: P268387	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-032894 Lab ID: P268391	Equipment Blank Field ID: KAFB-EB-246-03289 Lab ID: P268371	Ambient Blank Field ID: Lab ID:	Lab ID: P272878
1,1,1-TRICHLOROETHANE	4.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
1,1,2,2-TETRACHLOROETHANE	3.0000	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
1,1,2-TRICHLOROETHANE	2.0000	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
1,1-DICHLOROETHANE	3.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
1,1-DICHLOROETHENE	6.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
1,2-DICHLOROETHANE	2.0000	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
1,2-DICHLOROETHANE-D4	N/A	N/A		77.0000	65.0000		48.0000 =	49.0000		62.0000
1,2-DICHLOROPROPANE	2.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		73.0000	70.0000		55.0000 =	54.0000		53.0000
2-CHLOROETHYL VINYL ETHER	3.0000	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
2-HEXANONE	4.0000	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
ACETONE	4.0000	0.1000	8000.000	10.0000	8.0000		8.0000 =	5.0000		0.0000 ND
BENZENE	2.0000	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
BROMODICHLOROMETHANE	1.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
BROMOFORM	3.0000	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
BROMOMETHANE	2.0000	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
CARBON DISULFIDE	6.0000	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
CARBON TETRACHLORIDE	6.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
CHLOROBENZENE	1.0000	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
CHLOROETHANE	3.0000	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
CHLOROFORM	2.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
CHLOROMETHANE	3.0000	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
DIBROMOCHLOROMETHANE	2.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
ETHYLBENZENE	2.0000	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
M,P-XYLENE (SUM OF ISOMERS)	2.0000	N/A		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
METHYL ETHYL KETONE (2-BUTANONE)	9.0000	0.1000	48000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	3.0000	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
METHYLENE CHLORIDE	3.0000	0.0050	93.3000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
O-XYLENE (1,2-DIMETHYLBENZENE)	2.0000	N/A		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
STYRENE	2.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
TETRACHLOROETHYLENE(PCE)	3.0000	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
TOLUENE	2.0000	0.0050	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
TOLUENE-D8	N/A	0.0050		76.0000	69.0000		54.0000 =	54.0000		51.0000
TRICHLOROETHYLENE (TCE)	2.0000	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
VINYL ACETATE	3.0000	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
VINYL CHLORIDE	4.0000	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
cis-1,3-DICHLOROPROPENE	2.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
trans-1,2-DICHLOROETHENE	4.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND
trans-1,3-DICHLOROPROPENE	3.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		0.0000 ND

Base: KIRTLAND AFB
Site: ST-246: Oil/Water Separator & Holding Tank
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

ANALYTCAL DATA SUMMARY

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-246-08-1012 Lab ID: P268386	Field ID: KAFB-246-08-1517 Lab ID: P268387	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-246-03289 Lab ID: P268371	Ambient Blank Field ID: Lab ID:	Lab ID: P270102
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		56.0000	73.0000			87.0000		64.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		42.0000	43.0000			43.0000		43.0000
2-FLUOROPHENOL	N/A	N/A		79.0000	84.0000			57.0000		90.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-246: Oil/Water Separator & Holding Tank
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-246-08-1012 Lab ID: P268386	Field ID: KAFB-246-08-1517 Lab ID: P268387	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-246-03289 Lab ID: P268371	Ambient Blank Field ID: Lab ID:	Lab ID: P270102
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		42.0000	41.0000			47.0000		42.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		87.0000	86.0000			40.0000		93.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		53.0000	51.0000			52.0000		56.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	100.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-246: Oil/Water Separator & Holding Tank
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-246-08-1012 Lab ID: P268386	Field ID: KAFB-246-08-1517 Lab ID: P268387	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.2000	8.2000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-246: Oil/Water Separator & Holding Tank
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-246-09-1012 Lab ID: P268388	Field ID: KAFB-246-09-1519 Lab ID: P268389	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID: P269119
SOLIDS, PERCENT	N/A	N/A		88.6000	88.1000					100.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-246: Oil/Water Separator & Holding Tank
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: *Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-246-09-1012 Lab ID: P268388	Field ID: KAFB-246-09-1519 Lab ID: P268389	Field ID: KAFB-246-99-1519 Lab ID: P268389	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-246-03289 Lab ID: P268371	Ambient Blank Field ID: Lab ID:	Lab ID: P270257
ALUMINUM	2.0000	50.0000		13900.0000	13300.0000	7630.0000		23.0000		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		-7.2000
BARIUM	0.2000	2.0000	5600.000	127.0000	1300.0000	50.1000		0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	1.0000	0.9100	0.4600		0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		37300.0000	42800.0000	95400.0000		0.0000 ND		3.1000
CHROMIUM, TOTAL	1.0000	7.0000		12.8000	12.1000	7.7000		0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		10.2000	6.1000	2.8000		0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		18.7000	18.4000	6.7000		2.0000		0.0000 ND
IRON	0.8000	7.0000		18800.0000	13800.0000	8450.0000		0.0000 ND		0.0000 ND
LEAD	3.0000	50.0000	400.0000	12.3000	9.4000	6.2000		0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		7950.0000	5030.0000	4790.0000		0.0000 ND		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	433.0000	189.0000	95.9000		27.0000		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	19.9000	13.1000	6.3000		0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		2160.0000	1850.0000	1170.0000		0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		139.0000	122.0000	125.0000		172.0000		3.4000
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	29.3000	26.1000	19.8000		0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	51.7000	48.9000	21.5000		7.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-246: Oil/Water Separator & Holding Tank
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-246-09-1012 Lab ID: P268388	Field ID: KAFB-246-09-1519 Lab ID: P268389	Field ID: KAFB-246-99-1519 Lab ID: P268389	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-246-03289 Lab ID: P268371	Ambient Blank Field ID: Lab ID:	Lab ID: P270336
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-246: Oil/Water Separator & Holding Tank
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-246-09-1012 Lab ID:	Field ID: KAFB-246-09-1519 Lab ID:	Field ID: KAFB-246-99-1519 Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-246-03289 Lab ID: P268371	Ambient Blank Field ID: Lab ID:	Lab ID:
GASOLINE COMPONENTS	100.0000	1.0000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-246: Oil/Water Separator & Holding Tank
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-246-09-1012 Lab ID: P268388	Field ID: KAFB-246-09-1519 Lab ID: P268389	Field ID: KAFB-246-99-1519 Lab ID: P268389	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-246-03289 Lab ID: P268371	Ambient Blank Field ID: Lab ID:	Lab ID: P269096
DIESEL COMPONENTS	70.0000	10.0000		0.0000 ND	0.0000 ND	110.0000		0.0000 ND		0.0000 ND
PENTACOSANE	N/A	N/A		97.0000	93.0000	108.0000		87.0000		90.0000

Base: KIRTLAND AFB
Site: ST-246: Oil/Water Separator & Holding Tank
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

ANALYTCAL DATA SUMMARY

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-246-09-1012 Lab ID: P268388	Field ID: KAFB-246-09-1519 Lab ID: P268389	Field ID: KAFB-246-99-1519 Lab ID: P268389	Trip Blank Field ID: KAFB-TB-01-032894 Lab ID: P268391	Equipment Blank Field ID: KAFB-EB-246-03289 Lab ID: P268371	Ambient Blank Field ID: Lab ID:	Lab ID: P272882
1,1,1-TRICHLOROETHANE	4.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND
1,1,2,2-TETRACHLOROETHANE	3.0000	0.0050	35.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND
1,1,2-TRICHLOROETHANE	2.0000	0.0050	123.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND
1,1-DICHLOROETHANE	3.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND
1,1-DICHLOROETHENE	6.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND
1,2-DICHLOROETHANE	2.0000	0.0050	7.6900	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND
1,2-DICHLOROETHANE-D4	N/A	N/A		57.0000	54.0000	55.0000	48.0000 =	49.0000		51.0000
1,2-DICHLOROPROPANE	2.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		62.0000	57.0000	62.0000	55.0000 =	54.0000		45.0000
2-CHLOROETHYL VINYL ETHER	3.0000	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		0.0000
2-HEXANONE	4.0000	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND
ACETONE	4.0000	0.1000	8000.000	7.0000	6.0000	5.0000	8.0000 =	5.0000		0.0000 ND
BENZENE	2.0000	0.0050	24.1000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND
BROMODICHLOROMETHANE	1.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND
BROMOFORM	3.0000	0.0050	88.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND
BROMOMETHANE	2.0000	0.0100	32.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND
CARBON DISULFIDE	6.0000	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND
CARBON TETRACHLORIDE	6.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND
CHLOROBENZENE	1.0000	N/A	2160.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		1.0000
CHLOROETHANE	3.0000	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND
CHLOROFORM	2.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND
CHLOROMETHANE	3.0000	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND
DIBROMOCHLOROMETHANE	2.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND
ETHYLBENZENE	2.0000	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND
M,P-XYLENE (SUM OF ISOMERS)	2.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		0.0000
METHYL ETHYL KETONE (2-BUTANONE)	9.0000	0.1000	48000.00	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	3.0000	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND
METHYLENE CHLORIDE	3.0000	0.0050	93.3000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND
O-XYLENE (1,2-DIMETHYLBENZENE)	2.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		0.0000
STYRENE	2.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND
TETRACHLOROETHYLENE(PCE)	3.0000	0.0050	800.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND
TOLUENE	2.0000	0.0050	16000.00	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND
TOLUENE-D8	N/A	0.0050		62.0000	61.0000	62.0000	54.0000 =	54.0000		53.0000
TRICHLOROETHYLENE (TCE)	2.0000	0.0050	63.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND
VINYL ACETATE	3.0000	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		0.0000
VINYL CHLORIDE	4.0000	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND
cis-1,3-DICHLOROPROPENE	2.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND
trans-1,2-DICHLOROETHENE	4.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		0.0000
trans-1,3-DICHLOROPROPENE	3.0000	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-246: Oil/Water Separator & Holding Tank
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-246-09-1012 Lab ID: P268388	Field ID: KAFB-246-09-1519 Lab ID: P268389	Field ID: KAFB-246-99-1519 Lab ID: P268389	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-246-03289 Lab ID: P268371	Ambient Blank Field ID: Lab ID:	Lab ID: P270102
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		62.0000	49.0000	54.0000		87.0000		64.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		42.0000	43.0000	42.0000		43.0000		43.0000
2-FLUOROPHENOL	N/A	N/A		82.0000	71.0000	73.0000		57.0000		90.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-246: Oil/Water Separator & Holding Tank
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-246-09-1012 Lab ID: P268388	Field ID: KAFB-246-09-1519 Lab ID: P268389	Field ID: KAFB-246-99-1519 Lab ID: P268389	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-246-03289 Lab ID: P268371	Ambient Blank Field ID: Lab ID:	Lab ID: P270102
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		42.0000	42.0000	42.0000		47.0000		42.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		91.0000	83.0000	85.0000		40.0000		93.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		54.0000	50.0000	51.0000		52.0000		56.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	100.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-246: Oil/Water Separator & Holding Tank
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-246-09-1012 Lab ID: P268388	Field ID: KAFB-246-09-1519 Lab ID: P268389	Field ID: KAFB-246-99-1519 Lab ID: P268389	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.4000	8.3000	7.8000				
pH	N/A	N/A		8.3000						

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-246: Oil/Water Separator & Holding Tank
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-246-10-1012 Lab ID: 0366840011SA	Field ID: KAFB-246-10-1517 Lab ID: 0366840012SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		10.0000	12.0000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-246: Oil/Water Separator & Holding Tank
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-246-10-1012 Lab ID: 0366840011SA	Field ID: KAFB-246-10-1517 Lab ID: 0366840012SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-070794 Lab ID: 940600-07	Equipment Blank Field ID: KAFB-EB-210-07079 Lab ID: 0366840002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0033	0.0050		0.0000 ND	0.0019 TR		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0056	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0056	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0044	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0056	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0044	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		114.0000 %	112.0000 %		109.0000 %	107.0000 %		
1,2-DICHLOROPROPANE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		102.0000 %	100.0000 %		102.0000 %	102.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ACETONE	0.0110	0.1000	8000.000	0.0000 ND	0.0062 TR		0.0000 ND	0.0000 ND		
BENZENE	0.0022	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0022	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0056	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0044	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0056	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0022	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0022	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0067	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0044	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0022	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0033	0.0050	93.3000	0.0068	0.0065		1.0000 JX	0.0000 ND		
STYRENE	0.0056	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0022	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0033	0.0050	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		103.0000 %	106.0000 %		98.0000 %	98.0000 %		
TRICHLOROETHYLENE (TCE)	0.0033	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0078	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0044	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0056	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0056	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0056	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-246: Oil/Water Separator & Holding Tank
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-246-11-1012 Lab ID: 0366840008SA	Field ID: KAFB-246-11-1517 Lab ID: 0366840009SA	Field ID: KAFB-246-11-2527 Lab ID: 0366840010SA	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		11.0000	22.0000	25.0000				

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-246: Oil/Water Separator & Holding Tank
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-246-11-1012 Lab ID: 0366840008SA	Field ID: KAFB-246-11-1517 Lab ID: 0366840009SA	Field ID: KAFB-246-11-2527 Lab ID: 0366840010SA	Trip Blank Field ID: KAFB-TB-01-070794 Lab ID: 940600-07	Equipment Blank Field ID: KAFB-EB-210-07079 Lab ID: 0366840002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0034	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0056	0.0050	35.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0056	0.0050	123.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0045	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0056	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0045	0.0050	7.6900	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		111.0000 %	101.0000 %	99.0000 %	109.0000 %	107.0000 %		
1,2-DICHLOROPROPANE	0.0034	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		105.0000 %	95.0000 %	106.0000 %	102.0000 %	102.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
2-HEXANONE	0.0110	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ACETONE	0.0110	0.1000	8000.000	0.0130	0.0190	0.0000 ND	0.0000 ND	0.0000 ND		
BENZENE	0.0022	0.0050	24.1000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0022	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMOFORM	0.0056	0.0050	88.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0045	0.0100	32.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0056	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0034	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0022	N/A	2160.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROFORM	0.0022	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0067	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0045	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0022	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0034	0.0050	93.3000	0.0067	0.0072	0.0071	1.0000 JX	0.0000 ND		
STYRENE	0.0056	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0022	0.0050	800.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TOLUENE	0.0034	0.0050	16000.00	0.0000 ND	0.0021 TR	0.0000 ND	0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		101.0000 %	112.0000 %	112.0000 %	98.0000 %	98.0000 %		
TRICHLOROETHYLENE (TCE)	0.0034	0.0050	63.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0079	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0045	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0056	0.0050	160000.0	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0056	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0056	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0034	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-246: Oil/Water Separator & Holding Tank
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-246-12-1012 Lab ID: 0366840006SA	Field ID: KAFB-246-12-1517 Lab ID: 0366840007SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		12.0000	18.0000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-246: Oil/Water Separator & Holding Tank
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-246-12-1012 Lab ID: 0366840006SA	Field ID: KAFB-246-12-1517 Lab ID: 0366840007SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-070794 Lab ID: 940600-07	Equipment Blank Field ID: KAFB-EB-210-07079 Lab ID: 0366840002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0034	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0057	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0057	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0046	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0057	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0046	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		112.0000 %	111.0000 %		109.0000 %	107.0000 %		
1,2-DICHLOROPROPANE	0.0034	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		100.0000 %	100.0000 %		102.0000 %	102.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ACETONE	0.0110	0.1000	8000.000	0.0140	0.0083 TR		0.0000 ND	0.0000 ND		
BENZENE	0.0023	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0023	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0057	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0046	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0057	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0034	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0023	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0023	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0068	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0046	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0023	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0042 TR	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0034	0.0050	93.3000	0.0058	0.0080		1.0000 JX	0.0000 ND		
STYRENE	0.0057	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0023	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0034	0.0050	16000.00	0.0018 TR	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		100.0000 %	103.0000 %		98.0000 %	98.0000 %		
TRICHLOROETHYLENE (TCE)	0.0034	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0080	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0046	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0057	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0057	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0057	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0034	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-246: Oil/Water Separator & Holding Tank
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-246-13-1012 Lab ID: 0366840003SA	Field ID: KAFB-246-99-1012 Lab ID: 0366840003SA	Field ID: KAFB-246-13-1517 Lab ID: 0366840005SA	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		14.0000	12.0000	9.0000				

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-246: Oil/Water Separator & Holding Tank
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-246-13-1012 Lab ID: 0366840003SA	Field ID: KAFB-246-99-1012 Lab ID: 0366840003SA	Field ID: KAFB-246-13-1517 Lab ID: 0366840005MS	Trip Blank Field ID: KAFB-TB-01-070794 Lab ID: 940600-07	Equipment Blank Field ID: KAFB-EB-210-07079 Lab ID: 0366840002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0035	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0058	0.0050	35.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0058	0.0050	123.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0046	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0058	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0046	0.0050	7.6900	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		114.0000 %	112.0000 %	110.0000 %	109.0000 %	107.0000 %		
1,2-DICHLOROPROPANE	0.0035	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		101.0000 %	102.0000 %	99.0000 %	102.0000 %	102.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0120	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
2-HEXANONE	0.0120	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ACETONE	0.0120	0.1000	8000.000	0.0000 ND	0.0000 ND	0.0250	0.0000 ND	0.0000 ND		
BENZENE	0.0023	0.0050	24.1000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0023	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMOFORM	0.0058	0.0050	88.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0046	0.0100	32.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0058	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0035	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0023	N/A	2160.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0120	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROFORM	0.0023	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0070	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0046	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0023	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0120	0.1000	48000.00	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0120	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0035	0.0050	93.3000	0.0040	0.0044	0.0039	1.0000 JX	0.0000 ND		
STYRENE	0.0058	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0023	0.0050	800.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TOLUENE	0.0035	0.0050	16000.00	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		103.0000 %	100.0000 %	101.0000 %	98.0000 %	98.0000 %		
TRICHLOROETHYLENE (TCE)	0.0035	0.0050	63.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0081	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0046	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0058	0.0050	160000.0	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0058	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0058	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0035	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-247: Oil/Water Separator ST247 Bldg 1051
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-247-01-0305 Lab ID: 0357410003SA	Field ID: KAFB-247-01-0810 Lab ID: 0357410004SA	Field ID: KAFB-247-01-1820 Lab ID: 0357410005SA	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		13.0000	2.2000	13.0000				

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-247: Oil/Water Separator ST247 Bldg 1051
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-247-01-0305 Lab ID: 0357410003SA	Field ID: KAFB-247-01-0810 Lab ID: 0357410004SA	Field ID: KAFB-247-01-1820 Lab ID: 0357410005SA	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-247-05269 Lab ID: 0357410002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		82.0000 %	88.0000 %	82.0000 %		97.0000 %		
BENZENE	0.0290	N/A	24.1000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0290	N/A	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
GASOLINE COMPONENTS	0.5700	N/A		0.6100	0.2600 TR	0.0000 ND		11.0000		
TOLUENE	0.0290	N/A	16000.00	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0290	N/A	160000.0	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-247: Oil/Water Separator ST247 Bldg 1051
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: *Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-247-01-0305 Lab ID: P274406	Field ID: KAFB-247-01-0810 Lab ID: P274407	Field ID: KAFB-247-01-1820 Lab ID: P274408	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-247-05269 Lab ID: P274405	Ambient Blank Field ID: Lab ID:	Lab ID: P277142
ALUMINUM	2.0000	50.0000		6940.0000	4080.0000	9480.0000		196.0000		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	10.3000	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	181.0000	65.9000	146.0000		4.0000		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.4500	0.3100	0.6700		0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		65900.0000	18000.0000	33600.0000		477.0000		4.6000
CHROMIUM, TOTAL	1.0000	7.0000		15.1000	9.7000	15.8000		11.0000		1.5000
COBALT	1.0000	7.0000		5.3000	5.8000	7.9000		0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		18.0000	62.9000	31.5000		79.0000		0.2000
IRON	0.8000	7.0000		11000.0000	11400.0000	18100.0000		172.0000		3.5000
LEAD	3.0000	50.0000	400.0000	7.8000	5.1000	8.1000		0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		5650.0000	3160.0000	6840.0000		90.0000		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	174.0000	208.0000	359.0000		4.0000		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	8.7000	4.3000	14.9000		0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		820.0000	982.0000	1400.0000		0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		171.0000	270.0000	594.0000		67.0000		0.0000 ND
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	32.0000	21.9000	31.9000		0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	30.1000	43.8000	51.7000		58.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-247: Oil/Water Separator ST247 Bldg 1051
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-247-01-0305 Lab ID: P274406	Field ID: KAFB-247-01-0810 Lab ID: P274407	Field ID: KAFB-247-01-1820 Lab ID: P274408	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-247-05269 Lab ID: P274405	Ambient Blank Field ID: Lab ID:	Lab ID: P276112
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-247: Oil/Water Separator ST247 Bldg 1051
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-247-01-0305 Lab ID: P274406	Field ID: KAFB-247-01-0810 Lab ID: P274407	Field ID: KAFB-247-01-1820 Lab ID: P274408	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-247-05269 Lab ID: P274405	Ambient Blank Field ID: Lab ID:	Lab ID: P275994
DIESEL COMPONENTS	70.0000	10.0000		1100.0000	420.0000	450.0000		0.0000 ND		0.0000 ND
PENTACOSANE	N/A	N/A		3580.0000	3410.0000	3935.0000		99.0000		3740.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-247: Oil/Water Separator ST247 Bldg 1051
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-247-01-0305 Lab ID: 0357410003SA	Field ID: KAFB-247-01-0810 Lab ID: 0357410004SA	Field ID: KAFB-247-01-1820 Lab ID: 0357410005SA	Trip Blank Field ID: KAFB-TB-01-052694 Lab ID: 0357410001TB	Equipment Blank Field ID: KAFB-EB-247-05269 Lab ID: 0357410002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0034	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0057	0.0050	35.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0057	0.0050	123.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0046	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0057	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0046	0.0050	7.6900	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		92.0000 %	95.0000 %	95.0000 %	93.0000 %	96.0000 %		
1,2-DICHLOROPROPANE	0.0034	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		85.0000 %	97.0000 %	98.0000 %	97.0000 %	98.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
2-HEXANONE	0.0110	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ACETONE	0.0110	0.1000	8000.000	0.0170	0.0035 TR	0.0087 TR	0.0000 ND	2.6000 TR		
BENZENE	0.0023	0.0050	24.1000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0023	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMOFORM	0.0057	0.0050	88.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0046	0.0100	32.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0057	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0034	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0023	N/A	2160.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROFORM	0.0023	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0069	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0046	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0023	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0048 TR	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0034	0.0050	93.3000	0.0056	0.0035	0.0048	4.8000 =	4.1000		
STYRENE	0.0057	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0023	0.0050	800.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TOLUENE	0.0034	0.0050	16000.00	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		109.0000 %	98.0000 %	98.0000 %	98.0000 %	99.0000 %		
TRICHLOROETHYLENE (TCE)	0.0034	0.0050	63.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0080	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0046	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0057	0.0050	160000.0	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0057	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0057	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0034	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-247: Oil/Water Separator ST247 Bldg 1051
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-247-01-0305 Lab ID: P274406	Field ID: KAFB-247-01-0810 Lab ID: P274407	Field ID: KAFB-247-01-1820 Lab ID: P274408	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-247-05269 Lab ID: P274405	Ambient Blank Field ID: Lab ID:	Lab ID: P276019
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		60.0000	60.0000	62.0000		110.0000		62.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		34.0000	34.0000	34.0000		59.0000		34.0000
2-FLUOROPHENOL	N/A	N/A		60.0000	58.0000	58.0000		77.0000		63.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-247: Oil/Water Separator ST247 Bldg 1051
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-247-01-0305 Lab ID: P274406	Field ID: KAFB-247-01-0810 Lab ID: P274407	Field ID: KAFB-247-01-1820 Lab ID: P274408	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-247-05269 Lab ID: P274405	Ambient Blank Field ID: Lab ID:	Lab ID: P276019
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		120.0000		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		33.0000	34.0000	33.0000		64.0000		33.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	310.0000	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		70.0000	69.0000	70.0000		60.0000		73.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		35.0000	36.0000	36.0000		62.0000		36.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	100.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	100.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-247: Oil/Water Separator ST247 Bldg 1051
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-247-01-0305 Lab ID: P274406	Field ID: KAFB-247-01-0810 Lab ID: P274407	Field ID: KAFB-247-01-1820 Lab ID: P274408	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.3000	8.8000	8.5000				

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-247: Oil/Water Separator ST247 Bldg 1051
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-247-02-0305 Lab ID: 0357410006SA	Field ID: KAFB-247-02-0810 Lab ID: 0357410007SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		10.0000	8.2000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-247: Oil/Water Separator ST247 Bldg 1051
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-247-02-0305 Lab ID: 0357410006SA	Field ID: KAFB-247-02-0810 Lab ID: 0357410007SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-247-05269 Lab ID: 0357410002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		85.0000 %	83.0000 %			97.0000 %		
BENZENE	0.0280	N/A	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0280	N/A	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
GASOLINE COMPONENTS	0.5600	N/A		0.2900 TR	0.2900 TR			11.0000		
TOLUENE	0.0280	N/A	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0280	N/A	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-247: Oil/Water Separator ST247 Bldg 1051
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-247-02-0305 Lab ID: P274409	Field ID: KAFB-247-02-0810 Lab ID: P274410	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-247-05269 Lab ID: P274405	Ambient Blank Field ID: Lab ID:	Lab ID: P277142
ALUMINUM	2.0000	50.0000		8930.0000	4680.0000			196.0000		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	203.0000	43.3000			4.0000		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.5800	0.3300			0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		84800.0000	4650.0000			477.0000		4.6000
CHROMIUM, TOTAL	1.0000	7.0000		14.2000	8.4000			11.0000		1.5000
COBALT	1.0000	7.0000		5.9000	3.0000			0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		23.5000	29.2000			79.0000		0.2000
IRON	0.8000	7.0000		13000.0000	8910.0000			172.0000		3.5000
LEAD	3.0000	50.0000	400.0000	6.4000	5.4000			0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		7080.0000	2610.0000			90.0000		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	225.0000	142.0000			4.0000		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	7.8000	3.4000			0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		1170.0000	880.0000			0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		149.0000	96.1000			67.0000		0.0000 ND
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	38.4000	18.4000			0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	36.1000	30.6000			58.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-247: Oil/Water Separator ST247 Bldg 1051
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-247-02-0305 Lab ID: P274409	Field ID: KAFB-247-02-0810 Lab ID: P274410	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-247-05269 Lab ID: P274405	Ambient Blank Field ID: Lab ID:	Lab ID: P276112
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-247: Oil/Water Separator ST247 Bldg 1051
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-247-02-0305 Lab ID: P274409	Field ID: KAFB-247-02-0810 Lab ID: P274410	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-247-05269 Lab ID: P274405	Ambient Blank Field ID: Lab ID:	Lab ID: P275994
DIESEL COMPONENTS	70.0000	10.0000		200.0000	370.0000			0.0000 ND		0.0000 ND
PENTACOSANE	N/A	N/A		3960.0000	4330.0000			99.0000		3740.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-247: Oil/Water Separator ST247 Bldg 1051
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-247-02-0305 Lab ID: 0357410006SA	Field ID: KAFB-247-02-0810 Lab ID: 0357410007SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-052694 Lab ID: 0357410001TB	Equipment Blank Field ID: KAFB-EB-247-05269 Lab ID: 0357410002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0056	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0056	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0044	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0056	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0044	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		97.0000 %	96.0000 %		93.0000 %	96.0000 %		
1,2-DICHLOROPROPANE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		98.0000 %	96.0000 %		97.0000 %	98.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ACETONE	0.0110	0.1000	8000.000	0.0082 TR	0.0031 TR		0.0000 ND	2.6000 TR		
BENZENE	0.0022	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0022	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0056	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0044	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0056	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0022	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0022	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0067	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0044	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0022	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0033	0.0050	93.3000	0.0039	0.0031 TR		4.8000 =	4.1000		
STYRENE	0.0056	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0022	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0033	0.0050	16000.00	0.0047	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		95.0000 %	101.0000 %		98.0000 %	99.0000 %		
TRICHLOROETHYLENE (TCE)	0.0033	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0078	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0044	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0056	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0056	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0056	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-247: Oil/Water Separator ST247 Bldg 1051
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-247-02-0305 Lab ID: P274409	Field ID: KAFB-247-02-0810 Lab ID: P274410	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-247-05269 Lab ID: P274405	Ambient Blank Field ID: Lab ID:	Lab ID: P276019
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		61.0000	60.0000			110.0000		62.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		33.0000	34.0000			59.0000		34.0000
2-FLUOROPHENOL	N/A	N/A		56.0000	56.0000			77.0000		63.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-247: Oil/Water Separator ST247 Bldg 1051
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-247-02-0305 Lab ID: P274409	Field ID: KAFB-247-02-0810 Lab ID: P274410	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-247-05269 Lab ID: P274405	Ambient Blank Field ID: Lab ID:	Lab ID: P276019
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			120.0000		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		33.0000	33.0000			64.0000		33.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		68.0000	68.0000			60.0000		73.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		36.0000	34.0000			62.0000		36.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	100.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	100.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-247: Oil/Water Separator ST247 Bldg 1051
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-247-02-0305 Lab ID: P274409	Field ID: KAFB-247-02-0810 Lab ID: P274410	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.1000	8.2000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-248: Oil/Water Separator ST-248
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-248-01-0911 Lab ID: 0359070003SA	Field ID: KAFB-248-01-1618 Lab ID: 0359070004SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		1.8000	13.0000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-248: Oil/Water Separator ST-248
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-248-01-0911 Lab ID: 0359070003SA	Field ID: KAFB-248-01-1618 Lab ID: 0359070004SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-248-06039 Lab ID: 0359070002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		86.0000 %	80.0000 %			99.0000 %		
BENZENE	0.0250	N/A	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0250	N/A	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
GASOLINE COMPONENTS	0.5100	N/A		0.0000 ND	0.0000 ND			0.0000 ND		
TOLUENE	0.0250	N/A	16000.00	0.0150 TR	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0250	N/A	160000.0	0.0180 TR	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-248: Oil/Water Separator ST-248
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: *Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-248-01-0911 Lab ID: P275274	Field ID: KAFB-248-01-1618 Lab ID: P275275	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-248-06039 Lab ID: P275273	Ambient Blank Field ID: Lab ID:	Lab ID: P276194
ALUMINUM	2.0000	50.0000		6650.0000	8360.0000			0.0000 ND		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	153.0000	150.0000			0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.4300	0.4900			0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		33400.0000	31400.0000			0.0000 ND		0.0000 ND
CHROMIUM, TOTAL	1.0000	7.0000		7.2000	8.7000			0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		8.3000	6.6000			0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		74.8000	36.4000			7.0000		0.0000 ND
IRON	0.8000	7.0000		17700.0000	13300.0000			25.0000		1.6000
LEAD	3.0000	50.0000	400.0000	7.1000	7.3000			0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		5340.0000	5410.0000			0.0000 ND		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	328.0000	273.0000			0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	7.8000	14.6000			0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		1850.0000	1920.0000			0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		310.0000	192.0000			109.0000		4.7000
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	28.7000	35.4000			0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	58.5000	46.8000			9.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-248: Oil/Water Separator ST-248
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-248-01-0911 Lab ID: P275274	Field ID: KAFB-248-01-1618 Lab ID: P275275	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-248-06039 Lab ID: P275273	Ambient Blank Field ID: Lab ID:	Lab ID: P276287
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-248: Oil/Water Separator ST-248
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-248-01-0911 Lab ID: P275274	Field ID: KAFB-248-01-1618 Lab ID: P275275	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-248-06039 Lab ID: P275273	Ambient Blank Field ID: Lab ID:	Lab ID:
DIESEL COMPONENTS	70.0000	10.0000		1700.0000	1800.0000			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-248: Oil/Water Separator ST-248
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8080: Organochlorine Pesticides and PCBs
Matrix: Soil
Units: Micrograms per kilogram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-248-01-0911 Lab ID: P275274	Field ID: KAFB-248-01-1618 Lab ID: P275275	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID: P276213
ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	0.5300	N/A		0.0000 ND	0.0000 ND					0.0000 ND
BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	1.0000	N/A		0.0000 ND	0.0000 ND					0.0000 ND
CHLORDANE	4.5000	N/A		0.0000 ND	0.0000 ND					0.0000 ND
DDD (1,1-bis(CHLOROPHENYL)-2,2-DICHLOROETHANE)	0.6700	N/A		0.0000 ND	0.0000 ND					0.0000 ND
DDE (1,1-bis(CHLOROPHENYL)-2,2-DICHLOROETHENE)	1.2000	N/A		0.0000 ND	0.0000 ND					0.0000 ND
DDT (1,1-bis(CHLOROPHENYL)-2,2,2-TRICHLOROETHANE)	0.5000	N/A		0.0000 ND	0.0000 ND					0.0000 ND
DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	0.2900	N/A		0.0000 ND	0.0000 ND					0.0000 ND
DIELDRIN	0.8600	N/A		0.0000 ND	0.0000 ND					0.0000 ND
ENDOSULFAN	0.4500	N/A		0.0000 ND	0.0000 ND					0.0000 ND
ENDOSULFAN SULFATE	0.8000	N/A		0.0000 ND	0.0000 ND					0.0000 ND
ENDRIN	0.9000	N/A		0.0000 ND	0.0000 ND					0.0000 ND
ENDRIN ALDEHYDE	0.8300	N/A		0.0000 ND	0.0000 ND					0.0000 ND
GAMMA BHC (LINDANE)	0.3000	N/A		0.0000 ND	0.0000 ND					0.0000 ND
HEPTACHLOR	0.4200	N/A		0.0000 ND	0.0000 ND					0.0000 ND
HEPTACHLOR EPOXIDE	0.5300	N/A		0.0000 ND	0.0000 ND					0.0000 ND
METHOXYCHLOR	4.4000	N/A		0.0000 ND	0.0000 ND					0.0000 ND
PCB-1016 (AROCHLOR 1016)	4.4000	N/A		0.0000 ND	0.0000 ND					0.0000 ND
PCB-1221 (AROCHLOR 1221)	3.3000	N/A		0.0000 ND	0.0000 ND					0.0000 ND
PCB-1232 (AROCHLOR 1232)	2.1000	N/A		0.0000 ND	0.0000 ND					0.0000 ND
PCB-1242 (AROCHLOR 1242)	8.0000	N/A		0.0000 ND	0.0000 ND					0.0000 ND
PCB-1248 (AROCHLOR 1248)	2.3000	N/A		0.0000 ND	0.0000 ND					0.0000 ND
PCB-1254 (AROCHLOR 1254)	5.3000	N/A		0.0000 ND	0.0000 ND					0.0000 ND
PCB-1260 (AROCHLOR 1260)	5.0000	N/A		0.0000 ND	0.0000 ND					0.0000 ND
TOXAPHENE	130.0000	N/A		0.0000 ND	0.0000 ND					0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-248: Oil/Water Separator ST-248
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-248-01-0911 Lab ID: 0359070003SA	Field ID: KAFB-248-01-1618 Lab ID: 0359070004SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-060394 Lab ID: 0359070001TB	Equipment Blank Field ID: KAFB-EB-248-06039 Lab ID: 0359070002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0031	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0051	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0051	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0041	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0051	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0041	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		99.0000 %	98.0000 %		98.0000 %	100.0000 %		
1,2-DICHLOROPROPANE	0.0031	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		101.0000 %	97.0000 %		100.0000 %	90.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0100	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0100	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ACETONE	0.0100	0.1000	8000.000	0.0071 TR	0.0000 ND		0.0000 ND	0.0000 ND		
BENZENE	0.0020	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0020	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0051	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0041	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0051	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0031	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0020	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0100	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0020	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0061	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0041	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0020	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0100	0.1000	48000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0100	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0031	0.0050	93.3000	0.0030 TR	0.0029 TR		4.5000 =	4.6000		
STYRENE	0.0051	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0020	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0031	0.0050	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		96.0000 %	99.0000 %		98.0000 %	99.0000 %		
TRICHLOROETHYLENE (TCE)	0.0031	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0071	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0041	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0051	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0051	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0051	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0031	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-248: Oil/Water Separator ST-248
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-248-01-0911 Lab ID: P275274	Field ID: KAFB-248-01-1618 Lab ID: P275275	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-248-06039 Lab ID: P275273	Ambient Blank Field ID: Lab ID:	Lab ID: P276229
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-248: Oil/Water Separator ST-248
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-248-01-0911 Lab ID: P275274	Field ID: KAFB-248-01-1618 Lab ID: P275275	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-248-06039 Lab ID: P275273	Ambient Blank Field ID: Lab ID:	Lab ID: P276229
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	100.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-248: Oil/Water Separator ST-248
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-248-01-0911 Lab ID: P275274	Field ID: KAFB-248-01-1618 Lab ID: P275275	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.9000	8.9000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-248: Oil/Water Separator ST-248
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-248-02-0305 Lab ID: 0359070005SA	Field ID: KAFB-248-02-0810 Lab ID: 0359070006SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		15.0000	14.0000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-248: Oil/Water Separator ST-248
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-248-02-0305 Lab ID: 0359070005SA	Field ID: KAFB-248-02-0810 Lab ID: 0359070006SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-248-06039 Lab ID: 0359070002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		89.0000 %	77.0000 %			99.0000 %		
BENZENE	0.0300	N/A	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0300	N/A	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
GASOLINE COMPONENTS	0.5900	N/A		0.0000 ND	0.0000 ND			0.0000 ND		
TOLUENE	0.0300	N/A	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0300	N/A	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-248: Oil/Water Separator ST-248
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-248-02-0305 Lab ID: P275276	Field ID: KAFB-248-02-0810 Lab ID: P275277	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-248-06039 Lab ID: P275273	Ambient Blank Field ID: Lab ID:	Lab ID: P276194
ALUMINUM	2.0000	50.0000		9120.0000	12500.0000			0.0000 ND		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	173.0000	140.0000			0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.5500	0.7900			0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		26400.0000	23000.0000			0.0000 ND		0.0000 ND
CHROMIUM, TOTAL	1.0000	7.0000		7.8000	13.5000			0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		7.4000	8.5000			0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		44.1000	34.5000			7.0000		0.0000 ND
IRON	0.8000	7.0000		14000.0000	17900.0000			25.0000		1.6000
LEAD	3.0000	50.0000	400.0000	7.8000	10.3000			0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		6070.0000	6900.0000			0.0000 ND		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	347.0000	385.0000			0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	12.5000	13.4000			0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		1960.0000	2670.0000			0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		378.0000	548.0000			109.0000		4.7000
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	23.6000	28.2000			0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	51.3000	52.5000			9.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-248: Oil/Water Separator ST-248
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-248-02-0305 Lab ID: P275276	Field ID: KAFB-248-02-0810 Lab ID: P275277	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-248-06039 Lab ID: P275273	Ambient Blank Field ID: Lab ID:	Lab ID: P276287
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-248: Oil/Water Separator ST-248
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-248-02-0305 Lab ID: P275276	Field ID: KAFB-248-02-0810 Lab ID: P275277	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-248-06039 Lab ID: P275273	Ambient Blank Field ID: Lab ID:	Lab ID:
DIESEL COMPONENTS	70.0000	10.0000		2000.0000	1300.0000			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-248: Oil/Water Separator ST-248
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-248-02-0305 Lab ID: 0359070005SA	Field ID: KAFB-248-02-0810 Lab ID: 0359070006SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-060394 Lab ID: 0359070001TB	Equipment Blank Field ID: KAFB-EB-248-06039 Lab ID: 0359070002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0035	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0059	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0059	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0047	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0059	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0047	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		101.0000 %	102.0000 %		98.0000 %	100.0000 %		
1,2-DICHLOROPROPANE	0.0035	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		98.0000 %	96.0000 %		100.0000 %	90.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0120	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0120	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ACETONE	0.0120	0.1000	8000.000	0.0058 TR	0.0000 ND		0.0000 ND	0.0000 ND		
BENZENE	0.0024	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0024	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0059	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0047	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0059	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0035	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0024	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0120	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0024	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0071	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0047	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0024	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0120	0.1000	48000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0120	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0035	0.0050	93.3000	0.0041	0.0026 TR		4.5000 =	4.6000		
STYRENE	0.0059	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0024	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0035	0.0050	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		98.0000 %	97.0000 %		98.0000 %	99.0000 %		
TRICHLOROETHYLENE (TCE)	0.0035	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0083	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0047	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0059	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0059	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0059	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0035	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

Base: KIRTLAND AFB
Site: ST-248: Oil/Water Separator ST-248
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

ANALYTCAL DATA SUMMARY

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-248-02-0305 Lab ID: P275276	Field ID: KAFB-248-02-0810 Lab ID: P275277	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-248-06039 Lab ID: P275273	Ambient Blank Field ID: Lab ID:	Lab ID: P276229
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-248: Oil/Water Separator ST-248
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-248-02-0305 Lab ID: P275276	Field ID: KAFB-248-02-0810 Lab ID: P275277	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-248-06039 Lab ID: P275273	Ambient Blank Field ID: Lab ID:	Lab ID: P276229
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	100.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-248: Oil/Water Separator ST-248
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-248-02-0305 Lab ID: P275276	Field ID: KAFB-248-02-0810 Lab ID: P275277	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.5000	8.9000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-248: Oil/Water Separator ST-248
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-248-03-0305 Lab ID: 0359070007SA	Field ID: KAFB-248-03-0810 Lab ID: 0359070008SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		18.0000	12.0000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-248: Oil/Water Separator ST-248
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-248-03-0305 Lab ID: 0359070007SA	Field ID: KAFB-248-03-0810 Lab ID: 0359070008SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-248-06039 Lab ID: 0359070002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		79.0000 %	86.0000 %			99.0000 %		
BENZENE	0.0300	N/A	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0300	N/A	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
GASOLINE COMPONENTS	0.6100	N/A		0.0000 ND	0.0000 ND			0.0000 ND		
TOLUENE	0.0300	N/A	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0300	N/A	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-248: Oil/Water Separator ST-248
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: *Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-248-03-0305 Lab ID: P275278	Field ID: KAFB-248-03-0810 Lab ID: P275279	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-248-06039 Lab ID: P275273	Ambient Blank Field ID: Lab ID:	Lab ID: P276194
ALUMINUM	2.0000	50.0000		14500.0000	15300.0000			0.0000 ND		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	319.0000	253.0000			0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	1.1000	0.6700			0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.8500	1.0000			0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		42400.0000	28300.0000			0.0000 ND		0.0000 ND
CHROMIUM, TOTAL	1.0000	7.0000		14.0000	18.2000			0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		11.6000	9.1000			0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		28.4000	31.9000			7.0000		0.0000 ND
IRON	0.8000	7.0000		18400.0000	17300.0000			25.0000		1.6000
LEAD	3.0000	50.0000	400.0000	12.3000	10.8000			0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		9400.0000	6760.0000			0.0000 ND		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	543.0000	376.0000			0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	17.7000	35.9000			0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		2280.0000	3440.0000			0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	10.0000	0.0000 ND			0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		1790.0000	954.0000			109.0000		4.7000
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	34.6000	29.2000			0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	55.4000	53.0000			9.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-248: Oil/Water Separator ST-248
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-248-03-0305 Lab ID: P275278	Field ID: KAFB-248-03-0810 Lab ID: P275279	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-248-06039 Lab ID: P275273	Ambient Blank Field ID: Lab ID:	Lab ID: P276287
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-248: Oil/Water Separator ST-248
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-248-03-0305 Lab ID: P275278	Field ID: KAFB-248-03-0810 Lab ID: P275279	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-248-06039 Lab ID: P275273	Ambient Blank Field ID: Lab ID:	Lab ID:
DIESEL COMPONENTS	70.0000	10.0000		1200.0000	1100.0000			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-248: Oil/Water Separator ST-248
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-248-03-0305 Lab ID: 0359070007SA	Field ID: KAFB-248-03-0810 Lab ID: 0359070008SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-060394 Lab ID: 0359070001TB	Equipment Blank Field ID: KAFB-EB-248-06039 Lab ID: 0359070002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0037	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0061	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0061	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0049	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0061	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0049	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		97.0000 %	100.0000 %		98.0000 %	100.0000 %		
1,2-DICHLOROPROPANE	0.0037	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		96.0000 %	98.0000 %		100.0000 %	90.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0120	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0120	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ACETONE	0.0120	0.1000	8000.000	0.0000 ND	0.0037 TR		0.0000 ND	0.0000 ND		
BENZENE	0.0024	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0024	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0061	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0049	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0061	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0037	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0024	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0120	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0024	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0073	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0049	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0024	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0120	0.1000	48000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0120	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0037	0.0050	93.3000	0.0040	0.0025 TR		4.5000 =	4.6000		
STYRENE	0.0061	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0024	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0037	0.0050	16000.00	0.0000 ND	0.0012 TR		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		95.0000 %	99.0000 %		98.0000 %	99.0000 %		
TRICHLOROETHYLENE (TCE)	0.0037	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0085	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0049	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0061	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0061	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0061	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0037	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-248: Oil/Water Separator ST-248
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-248-03-0305 Lab ID: P275278	Field ID: KAFB-248-03-0810 Lab ID: P275279	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-248-06039 Lab ID: P275273	Ambient Blank Field ID: Lab ID:	Lab ID: P276229
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-248: Oil/Water Separator ST-248
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-248-03-0305 Lab ID: P275278	Field ID: KAFB-248-03-0810 Lab ID: P275279	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-248-06039 Lab ID: P275273	Ambient Blank Field ID: Lab ID:	Lab ID: P276229
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	100.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-248: Oil/Water Separator ST-248
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-248-03-0305 Lab ID: P275278	Field ID: KAFB-248-03-0810 Lab ID: P275279	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.8000	8.8000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-248: Oil/Water Separator ST-248
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-248-04-0307 Lab ID: 0359070009SA	Field ID: KAFB-248-99-0307 Lab ID: 0359070009SA	Field ID: KAFB-248-04-0811 Lab ID: 0359070011SA	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		8.1000	18.0000	2.3000				

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-248: Oil/Water Separator ST-248
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-248-04-0307 Lab ID: 0359070009SA	Field ID: KAFB-248-99-0307 Lab ID: 0359070009SA	Field ID: KAFB-248-04-0811 Lab ID: 0359070011SA	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-248-06039 Lab ID: 0359070002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		92.0000 %	82.0000 %	86.0000 %		99.0000 %		
BENZENE	0.0270	N/A	24.1000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0270	N/A	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
GASOLINE COMPONENTS	0.5400	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
TOLUENE	0.0270	N/A	16000.00	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0270	N/A	160000.0	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-248: Oil/Water Separator ST-248
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-248-04-0307 Lab ID: P275280	Field ID: KAFB-248-99-0307 Lab ID: P275280	Field ID: KAFB-248-04-0811 Lab ID: P275282	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-248-06039 Lab ID: P275273	Ambient Blank Field ID: Lab ID:	Lab ID: P277175
ALUMINUM	2.0000	50.0000		9190.0000	9710.0000	4480.0000		0.0000 ND		0.0000
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
BARIUM	0.2000	2.0000	5600.000	252.0000	251.0000	94.0000		0.0000 ND		0.0000
BERYLLIUM	0.2000	0.3000	16.3000	0.5300	0.6700	0.4100		0.0000 ND		0.0000
CADMIUM	0.5000	4.0000	40.0000	1.1000	0.8900	0.5100		0.0000 ND		0.0000
CALCIUM	2.0000	10.0000		43200.0000	35800.0000	29900.0000		0.0000 ND		0.0000
CHROMIUM, TOTAL	1.0000	7.0000		12.8000	10.6000	10.6000		0.0000 ND		1.8000
COBALT	1.0000	7.0000		6.8000	7.9000	8.4000		0.0000 ND		0.0000
COPPER	0.1000	6.0000		26.2000	57.9000	147.0000		7.0000		0.0000
IRON	0.8000	7.0000		13400.0000	15600.0000	12700.0000		25.0000		0.0000
LEAD	3.0000	50.0000	400.0000	13.5000	10.8000	5.8000		0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		5120.0000	6830.0000	4040.0000		0.0000 ND		0.0000
MANGANESE	0.3000	2.0000	400.0000	291.0000	333.0000	313.0000		0.0000 ND		0.0000
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
NICKEL	3.0000	15.0000	1600.000	113.0000	16.9000	131.0000		0.0000 ND		0.0000
POTASSIUM	20.0000	500.0000		1650.0000	1780.0000	1330.0000		0.0000 ND		0.0000
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND	11.8000		0.0000 ND		0.0000
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
SODIUM	3.0000	30.0000		437.0000	342.0000	373.0000		109.0000		0.0000
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
VANADIUM	0.4000	8.0000	720.0000	30.0000	37.1000	22.5000		0.0000 ND		0.0000
ZINC	0.7000	2.0000	24000.00	37.8000	58.9000	65.1000		9.0000		0.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-248: Oil/Water Separator ST-248
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-248-04-0307 Lab ID: P275280	Field ID: KAFB-248-99-0307 Lab ID: P275280	Field ID: KAFB-248-04-0811 Lab ID: P275282	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-248-06039 Lab ID: P275273	Ambient Blank Field ID: Lab ID:	Lab ID: P276287
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-248: Oil/Water Separator ST-248
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-248-04-0307 Lab ID: P275280	Field ID: KAFB-248-99-0307 Lab ID: P275280	Field ID: KAFB-248-04-0811 Lab ID: P275282	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-248-06039 Lab ID: P275273	Ambient Blank Field ID: Lab ID:	Lab ID:
DIESEL COMPONENTS	70.0000	10.0000		1400.0000	1100.0000	820.0000		0.0000 ND		
PENTACOSANE	N/A	N/A		4250.0000	4250.0000	0.0000				

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-248: Oil/Water Separator ST-248
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-248-04-0307 Lab ID: 0359070009SA	Field ID: KAFB-248-99-0307 Lab ID: 0359070009SA	Field ID: KAFB-248-04-0811 Lab ID: 0359070011SA	Trip Blank Field ID: KAFB-TB-01-060394 Lab ID: 0359070001TB	Equipment Blank Field ID: KAFB-EB-248-06039 Lab ID: 0359070002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0033	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0054	0.0050	35.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0054	0.0050	123.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0044	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0054	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0044	0.0050	7.6900	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		101.0000 %	99.0000 %	100.0000 %	98.0000 %	100.0000 %		
1,2-DICHLOROPROPANE	0.0033	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		96.0000 %	98.0000 %	94.0000 %	100.0000 %	90.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
2-HEXANONE	0.0110	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ACETONE	0.0110	0.1000	8000.000	0.0000 ND	0.0110 TR	0.0044 TR	0.0000 ND	0.0000 ND		
BENZENE	0.0022	0.0050	24.1000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0022	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMOFORM	0.0054	0.0050	88.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0044	0.0100	32.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0054	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0033	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0022	N/A	2160.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROFORM	0.0022	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0065	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0044	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0022	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0033	0.0050	93.3000	0.0027 TR	0.0040	0.0021 TR	4.5000 =	4.6000		
STYRENE	0.0054	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0022	0.0050	800.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TOLUENE	0.0033	0.0050	16000.00	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		99.0000 %	100.0000 %	98.0000 %	98.0000 %	99.0000 %		
TRICHLOROETHYLENE (TCE)	0.0033	0.0050	63.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0076	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0044	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0054	0.0050	160000.0	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0054	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0054	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0033	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-248: Oil/Water Separator ST-248
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-248-04-0307 Lab ID: P275280	Field ID: KAFB-248-99-0307 Lab ID: P275280	Field ID: KAFB-248-04-0811 Lab ID: P275282	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-248-06039 Lab ID: P275273	Ambient Blank Field ID: Lab ID:	Lab ID: P276229
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		62.0000	62.0000	0.0000				81.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		33.0000	33.0000	0.0000				42.0000
2-FLUOROPHENOL	N/A	N/A		59.0000	59.0000	0.0000				72.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-248: Oil/Water Separator ST-248
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-248-04-0307 Lab ID: P275280	Field ID: KAFB-248-99-0307 Lab ID: P275280	Field ID: KAFB-248-04-0811 Lab ID: P275282	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-248-06039 Lab ID: P275273	Ambient Blank Field ID: Lab ID:	Lab ID: P276229
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND	290.0000		0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		34.0000	34.0000	0.0000				40.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		67.0000	67.0000	0.0000				86.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		37.0000	37.0000	0.0000				44.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	100.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-248: Oil/Water Separator ST-248
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-248-04-0307 Lab ID: P275280	Field ID: KAFB-248-99-0307 Lab ID: P275280	Field ID: KAFB-248-04-0811 Lab ID: P275282	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		10.4000	8.6000	9.1000				

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-248: Oil/Water Separator ST-248
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-248-05-0305 Lab ID: 0359070012SA	Field ID: KAFB-248-05-0810 Lab ID: 0359070013SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		14.0000	16.0000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-248: Oil/Water Separator ST-248
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-248-05-0305 Lab ID: 0359070012SA	Field ID: KAFB-248-05-0810 Lab ID: 0359070013MS	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-248-06039 Lab ID: 0359070002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		83.0000 %	75.0000 %			99.0000 %		
BENZENE	0.0290	N/A	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0290	N/A	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
GASOLINE COMPONENTS	0.5800	N/A		0.0000 ND	0.0000 ND			0.0000 ND		
TOLUENE	0.0290	N/A	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0290	N/A	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-248: Oil/Water Separator ST-248
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: *Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-248-05-0305 Lab ID: P275283	Field ID: KAFB-248-05-0810 Lab ID: P275284	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-248-06039 Lab ID: P275273	Ambient Blank Field ID: Lab ID:	Lab ID: P277175
ALUMINUM	2.0000	50.0000		13800.0000	11700.0000			0.0000 ND		0.0000
ANTIMONY	20.0000	40.0000	32.0000	19000.0000	0.0000 ND			0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BARIUM	0.2000	2.0000	5600.000	305.0000	156.0000			0.0000 ND		0.0000
BERYLLIUM	0.2000	0.3000	16.3000	0.6700	0.6900			0.0000 ND		0.0000
CADMIUM	0.5000	4.0000	40.0000	0.6700	1.0000			0.0000 ND		0.0000
CALCIUM	2.0000	10.0000		32500.0000	32100.0000			0.0000 ND		0.0000
CHROMIUM, TOTAL	1.0000	7.0000		0.0000 ND	14.0000			0.0000 ND		1.8000
COBALT	1.0000	7.0000		8.8000	10.0000			0.0000 ND		0.0000
COPPER	0.1000	6.0000		115.0000	19.4000			7.0000		0.0000
IRON	0.8000	7.0000		15800.0000	19400.0000			25.0000		0.0000
LEAD	3.0000	50.0000	400.0000	0.0000 ND	9.9000			0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		6670.0000	7130.0000			0.0000 ND		0.0000
MANGANESE	0.3000	2.0000	400.0000	357.0000	423.0000			0.0000 ND		0.0000
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000
NICKEL	3.0000	15.0000	1600.000	69.6000	16.2000			0.0000 ND		0.0000
POTASSIUM	20.0000	500.0000		2510.0000	2590.0000			0.0000 ND		0.0000
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000
SODIUM	3.0000	30.0000		415.0000	978.0000			109.0000		0.0000
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000
VANADIUM	0.4000	8.0000	720.0000	33.6000	33.4000			0.0000 ND		0.0000
ZINC	0.7000	2.0000	24000.00	87.2000	50.9000			9.0000		0.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-248: Oil/Water Separator ST-248
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-248-05-0305 Lab ID: P275283	Field ID: KAFB-248-05-0810 Lab ID: P275284	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-248-06039 Lab ID: P275273	Ambient Blank Field ID: Lab ID:	Lab ID: P276287
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-248: Oil/Water Separator ST-248
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-248-05-0305 Lab ID: P275283	Field ID: KAFB-248-05-0810 Lab ID: P275284	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-248-06039 Lab ID: P275273	Ambient Blank Field ID: Lab ID:	Lab ID:
DIESEL COMPONENTS	70.0000	10.0000		780.0000	460.0000			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-248: Oil/Water Separator ST-248
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-248-05-0305 Lab ID: 0359070012SA	Field ID: KAFB-248-05-0810 Lab ID: 0359070013MS	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-060394 Lab ID: 0359070001TB	Equipment Blank Field ID: KAFB-EB-248-06039 Lab ID: 0359070002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0035	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0058	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0058	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0046	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0058	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0046	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		100.0000 %	102.0000 %		98.0000 %	100.0000 %		
1,2-DICHLOROPROPANE	0.0035	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		97.0000 %	98.0000 %		100.0000 %	90.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0120	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0120	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ACETONE	0.0120	0.1000	8000.000	0.0000 ND	0.0065 TR		0.0000 ND	0.0000 ND		
BENZENE	0.0023	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0023	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0058	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0046	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0058	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0035	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0023	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0120	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0023	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0070	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0046	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0023	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0120	0.1000	48000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0120	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0035	0.0050	93.3000	0.0033 TR	0.0043		4.5000 =	4.6000		
STYRENE	0.0058	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0023	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0035	0.0050	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		99.0000 %	96.0000 %		98.0000 %	99.0000 %		
TRICHLOROETHYLENE (TCE)	0.0035	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0081	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0046	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0058	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0058	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0058	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0035	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-248: Oil/Water Separator ST-248
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-248-05-0305 Lab ID: P275283	Field ID: KAFB-248-05-0810 Lab ID: P275284	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-248-06039 Lab ID: P275273	Ambient Blank Field ID: Lab ID:	Lab ID: P276229
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000			0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000			0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000			0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000			0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000			0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000			0.0000 ND		0.0000 ND
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000			0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000			0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000			0.0000 ND		0.0000 ND
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	100.0000	0.7000		0.0000 ND	0.0000			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-249: Waste Oil Underground Storage Tank
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-249-01-0911 Lab ID: 0359540003SA	Field ID: KAFB-249-01-1618 Lab ID: 0359540004SA	Field ID: KAFB-249-01-2123 Lab ID: 0359540005SA	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		4.8000	2.5000	8.2000				
MOISTURE, PERCENT	0.1000	N/A		4.2000						

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-249: Waste Oil Underground Storage Tank
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-249-01-0911 Lab ID: 0359540003SA	Field ID: KAFB-249-01-1618 Lab ID: 0359540004SA	Field ID: KAFB-249-01-2123 Lab ID: 0359540005SA	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-249-06069 Lab ID: 0359540002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		110.0000 %	104.0000 %	105.0000 %		98.0000 %		
BENZENE	0.0260	N/A	24.1000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
ETHYLBENZENE	0.0260	N/A	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
GASOLINE COMPONENTS	0.5300	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
TOLUENE	0.0260	N/A	16000.00	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
XYLENES, TOTAL	0.0260	N/A	160000.0	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		106.0000 %				98.0000 %		
BENZENE	0.0260	N/A	24.1000	0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
ETHYLBENZENE	0.0260	N/A	8000.000	0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
GASOLINE COMPONENTS	0.5200	N/A		0.0000 ND				0.0000 ND		
TOLUENE	0.0260	N/A	16000.00	0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
XYLENES, TOTAL	0.0260	N/A	160000.0	0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-249: Waste Oil Underground Storage Tank
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: *Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-249-01-0911 Lab ID: P275522	Field ID: KAFB-249-01-1618 Lab ID: P275523	Field ID: KAFB-249-01-2123 Lab ID: P275524	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-249-06069 Lab ID: P275520	Ambient Blank Field ID: Lab ID:	Lab ID: P277091
ALUMINUM	2.0000	50.0000		6100.0000	4190.0000	5300.0000		0.0000 ND		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	136.0000	89.4000	122.0000		0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.4200	0.2100	0.3300		0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		28600.0000	38300.0000	43100.0000		54.0000		7.6000
CHROMIUM, TOTAL	1.0000	7.0000		7.1000	6.3000	6.8000		0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		7.3000	4.9000	7.6000		0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		24.7000	24.6000	38.9000		6.0000		0.5000
IRON	0.8000	7.0000		13000.0000	9780.0000	13200.0000		71.0000		2.3000
LEAD	3.0000	50.0000	400.0000	6.9000	0.0000 ND	5.6000		0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		4860.0000	3800.0000	4920.0000		60.0000		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	329.0000	277.0000	323.0000		0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	9.3000	8.5000	10.5000		0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		1780.0000	1200.0000	1500.0000		0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		405.0000	568.0000	572.0000		104.0000		0.0000 ND
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	20.4000	15.4000	20.1000		0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	45.6000	37.2000	52.9000		11.0000		0.0000 ND
ALUMINUM	2.0000	50.0000		3040.0000				0.0000 ND		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND				0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND				0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	49.8000				0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.2100				0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND				0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		35400.0000				54.0000		7.6000
CHROMIUM, TOTAL	1.0000	7.0000		5.6000				0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		5.1000				0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		50.9000				6.0000		0.5000
IRON	0.8000	7.0000		9340.0000				71.0000		2.3000
LEAD	3.0000	50.0000	400.0000	3.5000				0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		3430.0000				60.0000		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	257.0000				0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND				0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	12.6000				0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		902.0000				0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND				0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-249: Waste Oil Underground Storage Tank
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-249-01-3032 Lab ID: P275525	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-249-06069 Lab ID: P275520	Ambient Blank Field ID: Lab ID:	Lab ID: P277091
SILVER	0.3000	7.0000	400.0000	0.0000 ND				0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		213.0000				104.0000		0.0000 ND
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND				0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	16.3000				0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	40.4000				11.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-249: Waste Oil Underground Storage Tank
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-249-01-0911 Lab ID: P275522	Field ID: KAFB-249-01-1618 Lab ID: P275523	Field ID: KAFB-249-01-2123 Lab ID: P275524	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-249-06069 Lab ID: P275520	Ambient Blank Field ID: Lab ID:	Lab ID: P276321
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
MERCURY	0.1000	0.1000		0.0000 ND				0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-249: Waste Oil Underground Storage Tank
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-249-01-0911 Lab ID: P275522	Field ID: KAFB-249-01-1618 Lab ID: P275523	Field ID: KAFB-249-01-2123 Lab ID: P275524	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-249-06069 Lab ID: P275520	Ambient Blank Field ID: Lab ID:	Lab ID: P276239
DIESEL COMPONENTS	70.0000	10.0000		740.0000	530.0000	910.0000		0.0000 ND		0.0000 ND
PENTACOSANE	N/A	N/A		4370.0000	4530.0000	4650.0000		127.0000		4150.0000
DIESEL COMPONENTS	70.0000	10.0000		650.0000				0.0000 ND		0.0000 ND
PENTACOSANE	N/A	N/A		4560.0000				127.0000		4150.0000

Base: KIRTLAND AFB
Site: ST-249: Waste Oil Underground Storage Tank
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8080: Organochlorine Pesticides and PCBs
Matrix: Soil
Units: Micrograms per kilogram

ANALYTCAL DATA SUMMARY

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8080: Organochlorine Pesticides and PCBs
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-249-01-0911 Lab ID: P275522	Field ID: KAFB-249-01-1618 Lab ID: P275523	Field ID: KAFB-249-01-2123 Lab ID: P275524	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-249-06069 Lab ID: P275521	Ambient Blank Field ID: Lab ID:	Lab ID: P276213
2,4,5,6-TETRACHLORO-META-XYLENE	N/A	N/A		7.2000	8.2000	7.2000		0.2400		6.9000
ALDRIN	0.2700	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	0.5300	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	1.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
CHLORDANE	4.5000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DDD (1,1-bis(CHLOROPHENYL)-2,2-DICHLOROETHANE)	0.6700	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DDE (1,1-bis(CHLOROPHENYL)-2,2-DICHLOROETHENE)	1.2000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DDT (1,1-bis(CHLOROPHENYL)-2,2,2-TRICHLOROETHANE)	0.5000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DECACHLOROBIPHENYL	N/A	N/A		5.0000	5.6000	5.2000		0.1700		5.3000
DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	0.2900	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIELDRIN	0.8600	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ENDOSULFAN	0.4500	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ENDOSULFAN SULFATE	0.8000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ENDRIN	0.9000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ENDRIN ALDEHYDE	0.8300	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
GAMMA BHC (LINDANE)	0.3000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEPTACHLOR	0.4200	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEPTACHLOR EPOXIDE	0.5300	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
METHOXYCHLOR	4.4000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PCB-1016 (AROCHLOR 1016)	4.4000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PCB-1221 (AROCHLOR 1221)	3.3000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PCB-1232 (AROCHLOR 1232)	2.1000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PCB-1242 (AROCHLOR 1242)	8.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PCB-1248 (AROCHLOR 1248)	2.3000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PCB-1254 (AROCHLOR 1254)	5.3000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PCB-1260 (AROCHLOR 1260)	5.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
TOXAPHENE	130.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4,5,6-TETRACHLORO-META-XYLENE	N/A	N/A		7.5000				0.2400		6.9000
ALDRIN	0.2700	N/A		0.0000 ND				0.0000 ND		0.0000
ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	0.5300	N/A		0.0000 ND				0.0000 ND		0.0000 ND
BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	1.0000	N/A		0.0000 ND				0.0000 ND		0.0000 ND
CHLORDANE	4.5000	N/A		0.0000 ND				0.0000 ND		0.0000 ND
DDD (1,1-bis(CHLOROPHENYL)-2,2-DICHLOROETHANE)	0.6700	N/A		0.0000 ND				0.0000 ND		0.0000 ND
DDE (1,1-bis(CHLOROPHENYL)-2,2-DICHLOROETHENE)	1.2000	N/A		0.0000 ND				0.0000 ND		0.0000 ND
DDT (1,1-bis(CHLOROPHENYL)-2,2,2-TRICHLOROETHANE)	0.5000	N/A		0.0000 ND				0.0000 ND		0.0000 ND
DECACHLOROBIPHENYL	N/A	N/A		5.4000				0.1700		5.3000
DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	0.2900	N/A		0.0000 ND				0.0000 ND		0.0000 ND
DIELDRIN	0.8600	N/A		0.0000 ND				0.0000 ND		0.0000 ND
ENDOSULFAN	0.4500	N/A		0.0000 ND				0.0000 ND		0.0000 ND
ENDOSULFAN SULFATE	0.8000	N/A		0.0000 ND				0.0000 ND		0.0000 ND
ENDRIN	0.9000	N/A		0.0000 ND				0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-249: Waste Oil Underground Storage Tank
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8080: Organochlorine Pesticides and PCBs
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8080: Organochlorine Pesticides and PCBs
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-249-01-3032 Lab ID: P275525	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-249-06069 Lab ID: P275521	Ambient Blank Field ID: Lab ID:	Lab ID: P276213
ENDRIN ALDEHYDE	0.8300	N/A		0.0000 ND				0.0000 ND		0.0000 ND
GAMMA BHC (LINDANE)	0.3000	N/A		0.0000 ND				0.0000 ND		0.0000 ND
HEPTACHLOR	0.4200	N/A		0.0000 ND				0.0000 ND		0.0000 ND
HEPTACHLOR EPOXIDE	0.5300	N/A		0.0000 ND				0.0000 ND		0.0000 ND
METHOXYCHLOR	4.4000	N/A		0.0000 ND				0.0000 ND		0.0000 ND
PCB-1016 (AROCHLOR 1016)	4.4000	N/A		0.0000 ND				0.0000 ND		0.0000 ND
PCB-1221 (AROCHLOR 1221)	3.3000	N/A		0.0000 ND				0.0000 ND		0.0000 ND
PCB-1232 (AROCHLOR 1232)	2.1000	N/A		0.0000 ND				0.0000 ND		0.0000 ND
PCB-1242 (AROCHLOR 1242)	8.0000	N/A		0.0000 ND				0.0000 ND		0.0000 ND
PCB-1248 (AROCHLOR 1248)	2.3000	N/A		0.0000 ND				0.0000 ND		0.0000 ND
PCB-1254 (AROCHLOR 1254)	5.3000	N/A		0.0000 ND				0.0000 ND		0.0000 ND
PCB-1260 (AROCHLOR 1260)	5.0000	N/A		0.0000 ND				0.0000 ND		0.0000 ND
TOXAPHENE	130.0000	N/A		0.0000 ND				0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-249: Waste Oil Underground Storage Tank
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-249-01-0911 Lab ID: 0359540003SA	Field ID: KAFB-249-01-1618 Lab ID: 0359540004SA	Field ID: KAFB-249-01-2123 Lab ID: 0359540005SA	Trip Blank Field ID: KAFB-TB-01-060694 Lab ID: 0359540001TB	Equipment Blank Field ID: KAFB-EB-249-06069 Lab ID: 0359540002EB	Ambient Blank Field ID: KAFB-AB-249-06069 Lab ID: 0359540008AB	Lab ID:
1,1,1-TRICHLOROETHANE	0.0032	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
1,1,2,2-TETRACHLOROETHANE	0.0053	0.0050	35.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
1,1,2-TRICHLOROETHANE	0.0053	0.0050	123.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
1,1-DICHLOROETHANE	0.0042	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
1,1-DICHLOROETHENE	0.0053	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
1,2-DICHLOROETHANE	0.0042	0.0050	7.6900	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
1,2-DICHLOROETHANE-D4	N/A	N/A		98.0000 %	97.0000 %	99.0000 %	97.0000 %	99.0000 %	90.0000 %	
1,2-DICHLOROPROPANE	0.0032	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		99.0000 %	100.0000 %	96.0000 %	98.0000 %	96.0000 %	89.0000 %	
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
2-HEXANONE	0.0110	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
ACETONE	0.0110	0.1000	8000.000	0.0000 ND	0.0034 TR	0.0030 TR	0.0000 ND	3.9000 TR	0.0000 ND	
BENZENE	0.0021	0.0050	24.1000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
BROMODICHLOROMETHANE	0.0021	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
BROMOFORM	0.0053	0.0050	88.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
BROMOMETHANE	0.0042	0.0100	32.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
CARBON DISULFIDE	0.0053	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
CARBON TETRACHLORIDE	0.0032	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
CHLOROBENZENE	0.0021	N/A	2160.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
CHLOROETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
CHLOROFORM	0.0021	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
CHLOROMETHANE	0.0063	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
DIBROMOCHLOROMETHANE	0.0042	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
ETHYLBENZENE	0.0021	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
METHYLENE CHLORIDE	0.0032	0.0050	93.3000	0.0042	0.0040	0.0052	4.7000 =	4.9000	14.0000	
STYRENE	0.0053	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
TETRACHLOROETHYLENE(PCE)	0.0021	0.0050	800.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
TOLUENE	0.0032	0.0050	16000.00	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
TOLUENE-D8	N/A	0.0050		99.0000 %	100.0000 %	99.0000 %	94.0000 %	96.0000 %	102.0000 %	
TRICHLOROETHYLENE (TCE)	0.0032	0.0050	63.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
VINYL ACETATE	0.0074	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
VINYL CHLORIDE	0.0042	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
XYLENES, TOTAL	0.0053	0.0050	160000.0	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
cis-1,3-DICHLOROPROPENE	0.0053	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
trans-1,2-DICHLOROETHENE	0.0053	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
trans-1,3-DICHLOROPROPENE	0.0032	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
1,1,1-TRICHLOROETHANE	0.0031	0.0050		0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
1,1,2,2-TETRACHLOROETHANE	0.0052	0.0050	35.0000	0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
1,1,2-TRICHLOROETHANE	0.0052	0.0050	123.0000	0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-249: Waste Oil Underground Storage Tank
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-249-01-3032 Lab ID: 0359540006SA	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-060694 Lab ID: 0359540001TB	Equipment Blank Field ID: KAFB-EB-249-06069 Lab ID: 0359540002EB	Ambient Blank Field ID: KAFB-AB-249-06069 Lab ID: 0359540008AB	Lab ID:
1,1-DICHLOROETHANE	0.0042	0.0050		0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
1,1-DICHLOROETHENE	0.0052	0.0050		0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
1,2-DICHLOROETHANE	0.0042	0.0050	7.6900	0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
1,2-DICHLOROETHANE-D4	N/A	N/A		99.0000 %			97.0000 %	99.0000 %	90.0000 %	
1,2-DICHLOROPROPANE	0.0031	0.0050		0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		98.0000 %			98.0000 %	96.0000 %	89.0000 %	
2-CHLOROETHYL VINYL ETHER	0.0100	0.0100		0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
2-HEXANONE	0.0100	0.0500		0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
ACETONE	0.0100	0.1000	8000.000	0.0000 ND			0.0000 ND	3.9000 TR	0.0000 ND	
BENZENE	0.0021	0.0050	24.1000	0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
BROMODICHLOROMETHANE	0.0021	0.0050		0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
BROMOFORM	0.0052	0.0050	88.6000	0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
BROMOMETHANE	0.0042	0.0100	32.0000	0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
CARBON DISULFIDE	0.0052	0.0050	8000.000	0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
CARBON TETRACHLORIDE	0.0031	0.0050		0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
CHLOROBENZENE	0.0021	N/A	2160.000	0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
CHLOROETHANE	0.0100	0.0100		0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
CHLOROFORM	0.0021	0.0050		0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
CHLOROMETHANE	0.0063	0.0100		0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
DIBROMOCHLOROMETHANE	0.0042	0.0050		0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
ETHYLBENZENE	0.0021	0.0050	8000.000	0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
METHYL ETHYL KETONE (2-BUTANONE)	0.0100	0.1000	48000.00	0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0100	0.0500		0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
METHYLENE CHLORIDE	0.0031	0.0050	93.3000	0.0045			4.7000 =	4.9000	14.0000	
STYRENE	0.0052	0.0050		0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
TETRACHLOROETHYLENE(PCE)	0.0021	0.0050	800.0000	0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
TOLUENE	0.0031	0.0050	16000.00	0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
TOLUENE-D8	N/A	0.0050		95.0000 %			94.0000 %	96.0000 %	102.0000 %	
TRICHLOROETHYLENE (TCE)	0.0031	0.0050	63.6000	0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
VINYL ACETATE	0.0073	0.0500		0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
VINYL CHLORIDE	0.0042	0.0100		0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
XYLENES, TOTAL	0.0052	0.0050	160000.0	0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
cis-1,3-DICHLOROPROPENE	0.0052	0.0050		0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
trans-1,2-DICHLOROETHENE	0.0052	0.0050		0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
trans-1,3-DICHLOROPROPENE	0.0031	0.0050		0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-249: Waste Oil Underground Storage Tank
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-249-01-0911 Lab ID: P275522	Field ID: KAFB-249-01-1618 Lab ID: P275523	Field ID: KAFB-249-01-2123 Lab ID: P275524	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-249-06069 Lab ID: P275520	Ambient Blank Field ID: Lab ID:	Lab ID: P276237
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		68.0000	71.0000	69.0000		62.0000		60.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		41.0000	43.0000	43.0000		33.0000		39.0000
2-FLUOROPHENOL	N/A	N/A		66.0000	70.0000	74.0000		36.0000		65.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-249: Waste Oil Underground Storage Tank
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-249-01-0911 Lab ID: P275522	Field ID: KAFB-249-01-1618 Lab ID: P275523	Field ID: KAFB-249-01-2123 Lab ID: P275524	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-249-06069 Lab ID: P275520	Ambient Blank Field ID: Lab ID:	Lab ID: P276237
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	570.0000	380.0000	470.0000		0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		38.0000	39.0000	40.0000		35.0000		36.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		81.0000	84.0000	84.0000		30.0000		72.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		43.0000	44.0000	44.0000		37.0000		40.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	100.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND				0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND				0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		76.0000				62.0000		60.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND				0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND				0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND				0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND				0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-249: Waste Oil Underground Storage Tank
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-249-01-3032 Lab ID: P275525	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-249-06069 Lab ID: P275520	Ambient Blank Field ID: Lab ID:	Lab ID: P276237
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND				0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		43.0000				33.0000		39.0000
2-FLUOROPHENOL	N/A	N/A		73.0000				36.0000		65.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND				0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND				0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND				0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND				0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND				0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND				0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND				0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND				0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND				0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND				0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND				0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND				0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND				0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND				0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND				0.0000 ND		0.0000 ND
BENZOIC ACID	570.0000	1.6000		0.0000 ND				0.0000 ND		0.0000
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND				0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND				0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	370.0000				0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND				0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND				0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-249: Waste Oil Underground Storage Tank
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-249-01-3032 Lab ID: P275525	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-249-06069 Lab ID: P275520	Ambient Blank Field ID: Lab ID:	Lab ID: P276237
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND				0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND				0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		40.0000				35.0000		36.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND				0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	0.0000 ND				0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		90.0000				30.0000		72.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND				0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		45.0000				37.0000		40.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	100.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND				0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND				0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-249: Waste Oil Underground Storage Tank
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-249-01-0911 Lab ID: P275522	Field ID: KAFB-249-01-1618 Lab ID: P275523	Field ID: KAFB-249-01-2123 Lab ID: P275524	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.9000	8.7000	8.9000				
pH	N/A	N/A		8.7000						

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-249: Waste Oil Underground Storage Tank
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-249-02-0103 Lab ID: 0359540007SA	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		11.0000						

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-249: Waste Oil Underground Storage Tank
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-249-02-0103 Lab ID: 0359540007SA	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-249-06069 Lab ID: 0359540002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		102.0000 %				98.0000 %		
BENZENE	0.0280	N/A	24.1000	0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
ETHYLBENZENE	0.0280	N/A	8000.000	0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
GASOLINE COMPONENTS	0.5600	N/A		0.0000 ND				0.0000 ND		
TOLUENE	0.0280	N/A	16000.00	0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
XYLENES, TOTAL	0.0280	N/A	160000.0	0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-249: Waste Oil Underground Storage Tank
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: *Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-249-02-0103 Lab ID: P275526	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-249-06069 Lab ID: P275520	Ambient Blank Field ID: Lab ID:	Lab ID: P277091
ALUMINUM	2.0000	50.0000		6910.0000				0.0000 ND		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND				0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND				0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	717.0000				0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.4400				0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND				0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		94200.0000				54.0000		7.6000
CHROMIUM, TOTAL	1.0000	7.0000		7.8000				0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		6.2000				0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		48.5000				6.0000		0.5000
IRON	0.8000	7.0000		9770.0000				71.0000		2.3000
LEAD	3.0000	50.0000	400.0000	7.0000				0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		6000.0000				60.0000		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	194.0000				0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND				0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	9.5000				0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		1270.0000				0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND				0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND				0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		220.0000				104.0000		0.0000 ND
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND				0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	29.9000				0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	43.4000				11.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-249: Waste Oil Underground Storage Tank
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-249-02-0103 Lab ID: P275526	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-249-06069 Lab ID: P275520	Ambient Blank Field ID: Lab ID:	Lab ID: P276321
MERCURY	0.1000	0.1000		0.0000 ND				0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-249: Waste Oil Underground Storage Tank
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-249-02-0103 Lab ID: P275526	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-249-06069 Lab ID: P275520	Ambient Blank Field ID: Lab ID:	Lab ID: P276239
DIESEL COMPONENTS	70.0000	10.0000		860.0000				0.0000 ND		0.0000 ND
PENTACOSANE	N/A	N/A		4780.0000				127.0000		4150.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-249: Waste Oil Underground Storage Tank
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8080: Organochlorine Pesticides and PCBs
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8080: Organochlorine Pesticides and PCBs
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-249-02-0103 Lab ID: P275526	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-249-06069 Lab ID: P275521	Ambient Blank Field ID: Lab ID:	Lab ID: P276213
2,4,5,6-TETRACHLORO-META-XYLENE	N/A	N/A		7.1000				0.2400		6.9000
ALDRIN	0.2700	N/A		0.0000 ND				0.0000 ND		0.0000
ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	0.5300	N/A		0.0000 ND				0.0000 ND		0.0000 ND
BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	1.0000	N/A		0.0000 ND				0.0000 ND		0.0000 ND
CHLORDANE	4.5000	N/A		0.0000 ND				0.0000 ND		0.0000 ND
DDD (1,1-bis(CHLOROPHENYL)-2,2-DICHLOROETHANE)	0.6700	N/A		0.0000 ND				0.0000 ND		0.0000 ND
DDE (1,1-bis(CHLOROPHENYL)-2,2-DICHLOROETHENE)	1.2000	N/A		0.0000 ND				0.0000 ND		0.0000 ND
DDT (1,1-bis(CHLOROPHENYL)-2,2,2-TRICHLOROETHANE)	0.5000	N/A		0.0000 ND				0.0000 ND		0.0000 ND
DECACHLOROBIPHENYL	N/A	N/A		5.2000				0.1700		5.3000
DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	0.2900	N/A		0.0000 ND				0.0000 ND		0.0000 ND
DIELDRIN	0.8600	N/A		0.0000 ND				0.0000 ND		0.0000 ND
ENDOSULFAN	0.4500	N/A		0.0000 ND				0.0000 ND		0.0000 ND
ENDOSULFAN SULFATE	0.8000	N/A		0.0000 ND				0.0000 ND		0.0000 ND
ENDRIN	0.9000	N/A		0.0000 ND				0.0000 ND		0.0000 ND
ENDRIN ALDEHYDE	0.8300	N/A		0.0000 ND				0.0000 ND		0.0000 ND
GAMMA BHC (LINDANE)	0.3000	N/A		0.0000 ND				0.0000 ND		0.0000 ND
HEPTACHLOR	0.4200	N/A		0.0000 ND				0.0000 ND		0.0000 ND
HEPTACHLOR EPOXIDE	0.5300	N/A		0.0000 ND				0.0000 ND		0.0000 ND
METHOXYCHLOR	4.4000	N/A		0.0000 ND				0.0000 ND		0.0000 ND
PCB-1016 (AROCHLOR 1016)	4.4000	N/A		0.0000 ND				0.0000 ND		0.0000 ND
PCB-1221 (AROCHLOR 1221)	3.3000	N/A		0.0000 ND				0.0000 ND		0.0000 ND
PCB-1232 (AROCHLOR 1232)	2.1000	N/A		0.0000 ND				0.0000 ND		0.0000 ND
PCB-1242 (AROCHLOR 1242)	8.0000	N/A		0.0000 ND				0.0000 ND		0.0000 ND
PCB-1248 (AROCHLOR 1248)	2.3000	N/A		0.0000 ND				0.0000 ND		0.0000 ND
PCB-1254 (AROCHLOR 1254)	5.3000	N/A		0.0000 ND				0.0000 ND		0.0000 ND
PCB-1260 (AROCHLOR 1260)	5.0000	N/A		0.0000 ND				0.0000 ND		0.0000 ND
TOXAPHENE	130.0000	N/A		0.0000 ND				0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-249: Waste Oil Underground Storage Tank
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-249-02-0103 Lab ID: 0359540007SA	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-060694 Lab ID: 0359540001TB	Equipment Blank Field ID: KAFB-EB-249-06069 Lab ID: 0359540002EB	Ambient Blank Field ID: KAFB-AB-249-06069 Lab ID: 0359540008AB	Lab ID:
1,1,1-TRICHLOROETHANE	0.0034	0.0050		0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
1,1,2,2-TETRACHLOROETHANE	0.0056	0.0050	35.0000	0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
1,1,2-TRICHLOROETHANE	0.0056	0.0050	123.0000	0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
1,1-DICHLOROETHANE	0.0045	0.0050		0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
1,1-DICHLOROETHENE	0.0056	0.0050		0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
1,2-DICHLOROETHANE	0.0045	0.0050	7.6900	0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
1,2-DICHLOROETHANE-D4	N/A	N/A		99.0000 %			97.0000 %	99.0000 %	90.0000 %	
1,2-DICHLOROPROPANE	0.0034	0.0050		0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		94.0000 %			98.0000 %	96.0000 %	89.0000 %	
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
2-HEXANONE	0.0110	0.0500		0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
ACETONE	0.0110	0.1000	8000.000	0.0740			0.0000 ND	3.9000 TR	0.0000 ND	
BENZENE	0.0023	0.0050	24.1000	0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
BROMODICHLOROMETHANE	0.0023	0.0050		0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
BROMOFORM	0.0056	0.0050	88.6000	0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
BROMOMETHANE	0.0045	0.0100	32.0000	0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
CARBON DISULFIDE	0.0056	0.0050	8000.000	0.0012 TR			0.0000 ND	0.0000 ND	0.0000 ND	
CARBON TETRACHLORIDE	0.0034	0.0050		0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
CHLOROBENZENE	0.0023	N/A	2160.000	0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
CHLOROETHANE	0.0110	0.0100		0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
CHLOROFORM	0.0023	0.0050		0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
CHLOROMETHANE	0.0068	0.0100		0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
DIBROMOCHLOROMETHANE	0.0045	0.0050		0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
ETHYLBENZENE	0.0023	0.0050	8000.000	0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0170			0.0000 ND	0.0000 ND	0.0000 ND	
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0013 TR			0.0000 ND	0.0000 ND	0.0000 ND	
METHYLENE CHLORIDE	0.0034	0.0050	93.3000	0.0047			4.7000 =	4.9000	14.0000	
STYRENE	0.0056	0.0050		0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
TETRACHLOROETHYLENE(PCE)	0.0023	0.0050	800.0000	0.0100			0.0000 ND	0.0000 ND	0.0000 ND	
TOLUENE	0.0034	0.0050	16000.00	0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
TOLUENE-D8	N/A	0.0050		102.0000 %			94.0000 %	96.0000 %	102.0000 %	
TRICHLOROETHYLENE (TCE)	0.0034	0.0050	63.6000	0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
VINYL ACETATE	0.0079	0.0500		0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
VINYL CHLORIDE	0.0045	0.0100		0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
XYLENES, TOTAL	0.0056	0.0050	160000.0	0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
cis-1,3-DICHLOROPROPENE	0.0056	0.0050		0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
trans-1,2-DICHLOROETHENE	0.0056	0.0050		0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
trans-1,3-DICHLOROPROPENE	0.0034	0.0050		0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-249: Waste Oil Underground Storage Tank
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-249-02-0103 Lab ID: P275526	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-249-06069 Lab ID: P275520	Ambient Blank Field ID: Lab ID:	Lab ID: P276237
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND				0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND				0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		85.0000				62.0000		60.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND				0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND				0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND				0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND				0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND				0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		42.0000				33.0000		39.0000
2-FLUOROPHENOL	N/A	N/A		75.0000				36.0000		65.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND				0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND				0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND				0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND				0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND				0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND				0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND				0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND				0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND				0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND				0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND				0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND				0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND				0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND				0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND				0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND				0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND				0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-249: Waste Oil Underground Storage Tank
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-249-02-0103 Lab ID: P275526	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-249-06069 Lab ID: P275520	Ambient Blank Field ID: Lab ID:	Lab ID: P276237
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND				0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	500.0000				0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND				0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND				0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND				0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND				0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		40.0000				35.0000		36.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND				0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	0.0000 ND				0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		91.0000				30.0000		72.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND				0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		45.0000				37.0000		40.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	100.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND				0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND				0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-249: Waste Oil Underground Storage Tank
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-249-02-0103 Lab ID: P275526	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.4000						

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-249: Waste Oil Underground Storage Tank
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-249-03-0911 Lab ID: 0359540009SA	Field ID: KAFB-249-03-1621 Lab ID: 0359540010SA	Field ID: KAFB-249-99-1621 Lab ID: 0359540010SA	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		3.1000	6.8000	6.0000				
MOISTURE, PERCENT	0.1000	N/A		2.3000						

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-249: Waste Oil Underground Storage Tank
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-249-03-0911 Lab ID: 0359540009SA	Field ID: KAFB-249-03-1621 Lab ID: 0359540010SA	Field ID: KAFB-249-99-1621 Lab ID: 0359540010SA	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-249-06069 Lab ID: 0359540002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		103.0000 %	110.0000 %	115.0000 %		98.0000 %		
BENZENE	0.0260	N/A	24.1000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
ETHYLBENZENE	0.0260	N/A	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
GASOLINE COMPONENTS	0.5200	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
TOLUENE	0.0260	N/A	16000.00	0.0000 ND	0.0000 ND	0.0170 TR	0.0000 ND	0.0000 ND	0.0000 ND	
XYLENES, TOTAL	0.0260	N/A	160000.0	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		104.0000 %				98.0000 %		
BENZENE	0.0260	N/A	24.1000	0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
ETHYLBENZENE	0.0260	N/A	8000.000	0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
GASOLINE COMPONENTS	0.5100	N/A		0.0000 ND				0.0000 ND		
TOLUENE	0.0260	N/A	16000.00	0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
XYLENES, TOTAL	0.0260	N/A	160000.0	0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-249: Waste Oil Underground Storage Tank
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-249-03-0911 Lab ID: P275527	Field ID: KAFB-249-03-1621 Lab ID: P275528	Field ID: KAFB-249-99-1621 Lab ID: P275528	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-249-06069 Lab ID: P275520	Ambient Blank Field ID: Lab ID:	Lab ID: P277091
ALUMINUM	2.0000	50.0000		6170.0000	5360.0000	7450.0000		0.0000 ND		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	124.0000	112.0000	184.0000		0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.3400	0.3100	0.5600		0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		24600.0000	29400.0000	30800.0000		54.0000		7.6000
CHROMIUM, TOTAL	1.0000	7.0000		6.8000	6.5000	8.9000		0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		7.7000	7.8000	8.8000		0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		31.6000	24.3000	36.0000		6.0000		0.5000
IRON	0.8000	7.0000		13400.0000	12100.0000	16400.0000		71.0000		2.3000
LEAD	3.0000	50.0000	400.0000	5.8000	5.6000	8.0000		0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		4880.0000	4620.0000	6320.0000		60.0000		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	301.0000	331.0000	361.0000		0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	9.9000	57.5000	11.9000		0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		1710.0000	1660.0000	1730.0000		0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		176.0000	392.0000	797.0000		104.0000		0.0000 ND
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	21.1000	19.3000	25.5000		0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	47.6000	44.5000	57.5000		11.0000		0.0000 ND
ALUMINUM	2.0000	50.0000		5570.0000				0.0000 ND		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND				0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND				0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	117.0000				0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.3200				0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND				0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		54400.0000				54.0000		7.6000
CHROMIUM, TOTAL	1.0000	7.0000		7.9000				0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		7.3000				0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		24.4000				6.0000		0.5000
IRON	0.8000	7.0000		11900.0000				71.0000		2.3000
LEAD	3.0000	50.0000	400.0000	5.2000				0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		4570.0000				60.0000		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	308.0000				0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND				0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	169.0000				0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		1520.0000				0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND				0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-249: Waste Oil Underground Storage Tank
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-249-03-2125 Lab ID: P275530	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-249-06069 Lab ID: P275520	Ambient Blank Field ID: Lab ID:	Lab ID: P277091
SILVER	0.3000	7.0000	400.0000	0.0000 ND				0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		367.0000				104.0000		0.0000 ND
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND				0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	19.7000				0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	42.6000				11.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-249: Waste Oil Underground Storage Tank
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-249-03-0911 Lab ID: P275527	Field ID: KAFB-249-03-1621 Lab ID: P275528	Field ID: KAFB-249-99-1621 Lab ID: P275528	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-249-06069 Lab ID: P275520	Ambient Blank Field ID: Lab ID:	Lab ID: P276321
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
MERCURY	0.1000	0.1000		0.0000 ND				0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-249: Waste Oil Underground Storage Tank
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-249-03-0911 Lab ID: P275527	Field ID: KAFB-249-03-1621 Lab ID: P275528	Field ID: KAFB-249-99-1621 Lab ID: P275528	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-249-06069 Lab ID: P275520	Ambient Blank Field ID: Lab ID:	Lab ID: P276239
DIESEL COMPONENTS	70.0000	10.0000		1100.0000	3400.0000	1100.0000		0.0000 ND		0.0000 ND
PENTACOSANE	N/A	N/A		4750.0000	4650.0000	4570.0000		127.0000		4150.0000
DIESEL COMPONENTS	70.0000	10.0000		770.0000				0.0000 ND		0.0000 ND
PENTACOSANE	N/A	N/A		4530.0000				127.0000		4150.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-249: Waste Oil Underground Storage Tank
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8080: Organochlorine Pesticides and PCBs
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8080: Organochlorine Pesticides and PCBs
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-249-03-0911 Lab ID: P275527	Field ID: KAFB-249-03-1621 Lab ID: P275528	Field ID: KAFB-249-99-1621 Lab ID: P275528	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-249-06069 Lab ID: P275521	Ambient Blank Field ID: Lab ID:	Lab ID: P276213
2,4,5,6-TETRACHLORO-META-XYLENE	N/A	N/A		7.2000	7.2000	7.7000		0.2400		6.9000
ALDRIN	0.2700	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	0.5300	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	1.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
CHLORDANE	4.5000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DDD (1,1-bis(CHLOROPHENYL)-2,2-DICHLOROETHANE)	0.6700	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DDE (1,1-bis(CHLOROPHENYL)-2,2-DICHLOROETHENE)	1.2000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DDT (1,1-bis(CHLOROPHENYL)-2,2,2-TRICHLOROETHANE)	0.5000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DECACHLOROBIPHENYL	N/A	N/A		5.1000	5.1000	5.2000		0.1700		5.3000
DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	0.2900	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIELDRIN	0.8600	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ENDOSULFAN	0.4500	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ENDOSULFAN SULFATE	0.8000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ENDRIN	0.9000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ENDRIN ALDEHYDE	0.8300	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
GAMMA BHC (LINDANE)	0.3000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEPTACHLOR	0.4200	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEPTACHLOR EPOXIDE	0.5300	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
METHOXYCHLOR	4.4000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PCB-1016 (AROCHLOR 1016)	4.4000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PCB-1221 (AROCHLOR 1221)	3.3000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PCB-1232 (AROCHLOR 1232)	2.1000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PCB-1242 (AROCHLOR 1242)	8.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PCB-1248 (AROCHLOR 1248)	2.3000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PCB-1254 (AROCHLOR 1254)	5.3000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PCB-1260 (AROCHLOR 1260)	5.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
TOXAPHENE	130.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4,5,6-TETRACHLORO-META-XYLENE	N/A	N/A		7.1000				0.2400		6.9000
ALDRIN	0.2700	N/A		0.0000 ND				0.0000 ND		0.0000
ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	0.5300	N/A		0.0000 ND				0.0000 ND		0.0000 ND
BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	1.0000	N/A		0.0000 ND				0.0000 ND		0.0000 ND
CHLORDANE	4.5000	N/A		0.0000 ND				0.0000 ND		0.0000 ND
DDD (1,1-bis(CHLOROPHENYL)-2,2-DICHLOROETHANE)	0.6700	N/A		0.0000 ND				0.0000 ND		0.0000 ND
DDE (1,1-bis(CHLOROPHENYL)-2,2-DICHLOROETHENE)	1.2000	N/A		0.0000 ND				0.0000 ND		0.0000 ND
DDT (1,1-bis(CHLOROPHENYL)-2,2,2-TRICHLOROETHANE)	0.5000	N/A		0.0000 ND				0.0000 ND		0.0000 ND
DECACHLOROBIPHENYL	N/A	N/A		5.4000				0.1700		5.3000
DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	0.2900	N/A		0.0000 ND				0.0000 ND		0.0000 ND
DIELDRIN	0.8600	N/A		0.0000 ND				0.0000 ND		0.0000 ND
ENDOSULFAN	0.4500	N/A		0.0000 ND				0.0000 ND		0.0000 ND
ENDOSULFAN SULFATE	0.8000	N/A		0.0000 ND				0.0000 ND		0.0000 ND
ENDRIN	0.9000	N/A		0.0000 ND				0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-249: Waste Oil Underground Storage Tank
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8080: Organochlorine Pesticides and PCBs
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8080: Organochlorine Pesticides and PCBs
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-249-03-2125 Lab ID: P275530	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-249-06069 Lab ID: P275521	Ambient Blank Field ID: Lab ID:	Lab ID: P276213
ENDRIN ALDEHYDE	0.8300	N/A		0.0000 ND				0.0000 ND		0.0000 ND
GAMMA BHC (LINDANE)	0.3000	N/A		0.0000 ND				0.0000 ND		0.0000 ND
HEPTACHLOR	0.4200	N/A		0.0000 ND				0.0000 ND		0.0000 ND
HEPTACHLOR EPOXIDE	0.5300	N/A		0.0000 ND				0.0000 ND		0.0000 ND
METHOXYCHLOR	4.4000	N/A		0.0000 ND				0.0000 ND		0.0000 ND
PCB-1016 (AROCHLOR 1016)	4.4000	N/A		0.0000 ND				0.0000 ND		0.0000 ND
PCB-1221 (AROCHLOR 1221)	3.3000	N/A		0.0000 ND				0.0000 ND		0.0000 ND
PCB-1232 (AROCHLOR 1232)	2.1000	N/A		0.0000 ND				0.0000 ND		0.0000 ND
PCB-1242 (AROCHLOR 1242)	8.0000	N/A		0.0000 ND				0.0000 ND		0.0000 ND
PCB-1248 (AROCHLOR 1248)	2.3000	N/A		0.0000 ND				0.0000 ND		0.0000 ND
PCB-1254 (AROCHLOR 1254)	5.3000	N/A		0.0000 ND				0.0000 ND		0.0000 ND
PCB-1260 (AROCHLOR 1260)	5.0000	N/A		0.0000 ND				0.0000 ND		0.0000 ND
TOXAPHENE	130.0000	N/A		0.0000 ND				0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-249: Waste Oil Underground Storage Tank
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-249-03-0911 Lab ID: 0359540009SA	Field ID: KAFB-249-03-1621 Lab ID: 0359540010SA	Field ID: KAFB-249-99-1621 Lab ID: 0359540010SA	Trip Blank Field ID: KAFB-TB-01-060694 Lab ID: 0359540001TB	Equipment Blank Field ID: KAFB-EB-249-06069 Lab ID: 0359540002EB	Ambient Blank Field ID: KAFB-AB-249-06069 Lab ID: 0359540008AB	Lab ID:
1,1,1-TRICHLOROETHANE	0.0031	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
1,1,2,2-TETRACHLOROETHANE	0.0052	0.0050	35.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
1,1,2-TRICHLOROETHANE	0.0052	0.0050	123.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
1,1-DICHLOROETHANE	0.0041	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
1,1-DICHLOROETHENE	0.0052	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
1,2-DICHLOROETHANE	0.0041	0.0050	7.6900	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
1,2-DICHLOROETHANE-D4	N/A	N/A		96.0000 %	98.0000 %	97.0000 %	97.0000 %	99.0000 %	90.0000 %	
1,2-DICHLOROPROPANE	0.0031	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		97.0000 %	96.0000 %	96.0000 %	98.0000 %	96.0000 %	89.0000 %	
2-CHLOROETHYL VINYL ETHER	0.0100	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
2-HEXANONE	0.0100	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
ACETONE	0.0100	0.1000	8000.000	0.0075 TR	0.0059 TR	0.0091 TR	0.0000 ND	3.9000 TR	0.0000 ND	
BENZENE	0.0021	0.0050	24.1000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
BROMODICHLOROMETHANE	0.0021	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
BROMOFORM	0.0052	0.0050	88.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
BROMOMETHANE	0.0041	0.0100	32.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
CARBON DISULFIDE	0.0052	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
CARBON TETRACHLORIDE	0.0031	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
CHLOROBENZENE	0.0021	N/A	2160.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
CHLOROETHANE	0.0100	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
CHLOROFORM	0.0021	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
CHLOROMETHANE	0.0062	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
DIBROMOCHLOROMETHANE	0.0041	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
ETHYLBENZENE	0.0021	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
METHYL ETHYL KETONE (2-BUTANONE)	0.0100	0.1000	48000.00	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0100	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
METHYLENE CHLORIDE	0.0031	0.0050	93.3000	0.0038	0.0110	0.0120	4.7000 =	4.9000	14.0000	
STYRENE	0.0052	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
TETRACHLOROETHYLENE(PCE)	0.0021	0.0050	800.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
TOLUENE	0.0031	0.0050	16000.00	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
TOLUENE-D8	N/A	0.0050		100.0000 %	99.0000 %	100.0000 %	94.0000 %	96.0000 %	102.0000 %	
TRICHLOROETHYLENE (TCE)	0.0031	0.0050	63.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
VINYL ACETATE	0.0072	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
VINYL CHLORIDE	0.0041	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
XYLENES, TOTAL	0.0052	0.0050	160000.0	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
cis-1,3-DICHLOROPROPENE	0.0052	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
trans-1,2-DICHLOROETHENE	0.0052	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
trans-1,3-DICHLOROPROPENE	0.0031	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	
1,1,1-TRICHLOROETHANE	0.0031	0.0050		0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
1,1,2,2-TETRACHLOROETHANE	0.0051	0.0050	35.0000	0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
1,1,2-TRICHLOROETHANE	0.0051	0.0050	123.0000	0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-249: Waste Oil Underground Storage Tank
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-249-03-2125 Lab ID: 0359540012MS	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-060694 Lab ID: 0359540001TB	Equipment Blank Field ID: KAFB-EB-249-06069 Lab ID: 0359540002EB	Ambient Blank Field ID: KAFB-AB-249-06069 Lab ID: 0359540008AB	Lab ID:
1,1-DICHLOROETHANE	0.0041	0.0050		0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
1,1-DICHLOROETHENE	0.0051	0.0050		0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
1,2-DICHLOROETHANE	0.0041	0.0050	7.6900	0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
1,2-DICHLOROETHANE-D4	N/A	N/A		98.0000 %			97.0000 %	99.0000 %	90.0000 %	
1,2-DICHLOROPROPANE	0.0031	0.0050		0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		87.0000 %			98.0000 %	96.0000 %	89.0000 %	
2-CHLOROETHYL VINYL ETHER	0.0100	0.0100		0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
2-HEXANONE	0.0100	0.0500		0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
ACETONE	0.0100	0.1000	8000.000	0.0000 ND			0.0000 ND	3.9000 TR	0.0000 ND	
BENZENE	0.0020	0.0050	24.1000	0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
BROMODICHLOROMETHANE	0.0020	0.0050		0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
BROMOFORM	0.0051	0.0050	88.6000	0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
BROMOMETHANE	0.0041	0.0100	32.0000	0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
CARBON DISULFIDE	0.0051	0.0050	8000.000	0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
CARBON TETRACHLORIDE	0.0031	0.0050		0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
CHLOROBENZENE	0.0020	N/A	2160.000	0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
CHLOROETHANE	0.0100	0.0100		0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
CHLOROFORM	0.0020	0.0050		0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
CHLOROMETHANE	0.0061	0.0100		0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
DIBROMOCHLOROMETHANE	0.0041	0.0050		0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
ETHYLBENZENE	0.0020	0.0050	8000.000	0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
METHYL ETHYL KETONE (2-BUTANONE)	0.0100	0.1000	48000.00	0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0100	0.0500		0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
METHYLENE CHLORIDE	0.0031	0.0050	93.3000	0.0039			4.7000 =	4.9000	14.0000	
STYRENE	0.0051	0.0050		0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
TETRACHLOROETHYLENE(PCE)	0.0020	0.0050	800.0000	0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
TOLUENE	0.0031	0.0050	16000.00	0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
TOLUENE-D8	N/A	0.0050		99.0000 %			94.0000 %	96.0000 %	102.0000 %	
TRICHLOROETHYLENE (TCE)	0.0031	0.0050	63.6000	0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
VINYL ACETATE	0.0072	0.0500		0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
VINYL CHLORIDE	0.0041	0.0100		0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
XYLENES, TOTAL	0.0051	0.0050	160000.0	0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
cis-1,3-DICHLOROPROPENE	0.0051	0.0050		0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
trans-1,2-DICHLOROETHENE	0.0051	0.0050		0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	
trans-1,3-DICHLOROPROPENE	0.0031	0.0050		0.0000 ND			0.0000 ND	0.0000 ND	0.0000 ND	

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-249: Waste Oil Underground Storage Tank
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-249-03-0911 Lab ID: P275527	Field ID: KAFB-249-03-1621 Lab ID: P275528	Field ID: KAFB-249-99-1621 Lab ID: P275528	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-249-06069 Lab ID: P275520	Ambient Blank Field ID: Lab ID:	Lab ID: P276237
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		76.0000	75.0000	70.0000		62.0000		60.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		41.0000	41.0000	40.0000		33.0000		39.0000
2-FLUOROPHENOL	N/A	N/A		68.0000	72.0000	67.0000		36.0000		65.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-249: Waste Oil Underground Storage Tank
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-249-03-0911 Lab ID: P275527	Field ID: KAFB-249-03-1621 Lab ID: P275528	Field ID: KAFB-249-99-1621 Lab ID: P275528	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-249-06069 Lab ID: P275520	Ambient Blank Field ID: Lab ID:	Lab ID: P276237
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	560.0000	530.0000	370.0000		0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		38.0000	39.0000	38.0000		35.0000		36.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		84.0000	87.0000	80.0000		30.0000		72.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		42.0000	44.0000	40.0000		37.0000		40.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	100.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND				0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND				0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		82.0000				62.0000		60.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND				0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND				0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND				0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND				0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-249: Waste Oil Underground Storage Tank
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-249-03-2125 Lab ID: P275530	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-249-06069 Lab ID: P275520	Ambient Blank Field ID: Lab ID:	Lab ID: P276237
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND				0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		43.0000				33.0000		39.0000
2-FLUOROPHENOL	N/A	N/A		75.0000				36.0000		65.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND				0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND				0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND				0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND				0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND				0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND				0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND				0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND				0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND				0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND				0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND				0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND				0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND				0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND				0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND				0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND				0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND				0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND				0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	530.0000				0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND				0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND				0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-249: Waste Oil Underground Storage Tank
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-249-03-2125 Lab ID: P275530	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-249-06069 Lab ID: P275520	Ambient Blank Field ID: Lab ID:	Lab ID: P276237
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND				0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND				0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		40.0000				35.0000		36.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND				0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	0.0000 ND				0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		91.0000				30.0000		72.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND				0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		45.0000				37.0000		40.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	100.0000	0.7000		0.0000 ND				0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND				0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND				0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-249: Waste Oil Underground Storage Tank
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-249-03-0911 Lab ID: P275527	Field ID: KAFB-249-03-1621 Lab ID: P275528	Field ID: KAFB-249-99-1621 Lab ID: P275528	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.3000	8.3000	8.8000				
pH	N/A	N/A		8.0000						

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-249: Waste Oil Underground Storage Tank
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-249-04-0911 Lab ID: 0363000003SA	Field ID: KAFB-249-04-1618 Lab ID: 0363000004SA	Field ID: KAFB-249-04-2123 Lab ID: 0363000005SA	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		15.0000	13.0000	9.6000				

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-249: Waste Oil Underground Storage Tank
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-249-04-0911 Lab ID: 0363000003SA	Field ID: KAFB-249-04-1618 Lab ID: 0363000004SA	Field ID: KAFB-249-04-2123 Lab ID: 0363000005SA	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-249-06079 Lab ID: 0363000002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		90.0000 %	92.0000 %	88.0000 %		99.0000 %		
BENZENE	0.0290	N/A	24.1000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0290	N/A	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
GASOLINE COMPONENTS	0.5900	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
TOLUENE	0.0290	N/A	16000.00	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0290	N/A	160000.0	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.5200		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-249: Waste Oil Underground Storage Tank
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-249-04-0911 Lab ID: P275613	Field ID: KAFB-249-04-1618 Lab ID: P275614	Field ID: KAFB-249-04-2123 Lab ID: P275615	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-249-06079 Lab ID: P275612	Ambient Blank Field ID: Lab ID:	Lab ID: P277142
ALUMINUM	2.0000	50.0000		10300.0000	9520.0000	8670.0000		0.0000 ND		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	138.0000	156.0000	152.0000		0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.6600	0.5400	0.5500		0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		25800.0000	47100.0000	30000.0000		32.0000		4.6000
CHROMIUM, TOTAL	1.0000	7.0000		14.9000	12.4000	12.4000		30.0000		1.5000
COBALT	1.0000	7.0000		8.2000	6.8000	8.3000		0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		28.6000	36.0000	36.6000		14.0000		0.2000
IRON	0.8000	7.0000		17100.0000	15700.0000	17900.0000		64.0000		3.5000
LEAD	3.0000	50.0000	400.0000	9.2000	5.9000	6.5000		0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		5580.0000	5690.0000	5860.0000		0.0000 ND		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	326.0000	330.0000	333.0000		0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	12.4000	13.9000	28.6000		0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		2030.0000	1860.0000	1800.0000		0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		337.0000	785.0000	723.0000		169.0000		0.0000 ND
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	28.9000	25.9000	29.0000		0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	45.9000	48.7000	53.5000		18.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-249: Waste Oil Underground Storage Tank
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-249-04-0911 Lab ID: P275613	Field ID: KAFB-249-04-1618 Lab ID: P275614	Field ID: KAFB-249-04-2123 Lab ID: P275615	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-249-06079 Lab ID: P275612	Ambient Blank Field ID: Lab ID:	Lab ID: P276321
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-249: Waste Oil Underground Storage Tank
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-249-04-0911 Lab ID: P275613	Field ID: KAFB-249-04-1618 Lab ID: P275614	Field ID: KAFB-249-04-2123 Lab ID: P275615	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-249-06079 Lab ID: P275612	Ambient Blank Field ID: Lab ID:	Lab ID: P276239
DIESEL COMPONENTS	70.0000	10.0000		580.0000	750.0000	740.0000		0.0000 ND		0.0000 ND
PENTACOSANE	N/A	N/A		4630.0000	4790.0000	4660.0000		126.0000		4150.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-249: Waste Oil Underground Storage Tank
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8080: Organochlorine Pesticides and PCBs
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8080: Organochlorine Pesticides and PCBs
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-249-04-0911 Lab ID: P275613	Field ID: KAFB-249-04-1618 Lab ID: P275614	Field ID: KAFB-249-04-2123 Lab ID: P275615	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-249-06079 Lab ID: P275612	Ambient Blank Field ID: Lab ID:	Lab ID: P276315
2,4,5,6-TETRACHLORO-META-XYLENE	N/A	N/A		7.7000	7.3000	7.0000		0.2400		7.2000
ALDRIN	0.2700	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	0.5300	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	1.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
CHLORDANE	4.5000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DDD (1,1-bis(CHLOROPHENYL)-2,2-DICHLOROETHANE)	0.6700	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DDE (1,1-bis(CHLOROPHENYL)-2,2-DICHLOROETHENE)	1.2000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DDT (1,1-bis(CHLOROPHENYL)-2,2,2-TRICHLOROETHANE)	0.5000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DECACHLOROBIPHENYL	N/A	N/A		5.6000	5.4000	5.5000		0.1700		5.6000
DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	0.2900	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIELDRIN	0.8600	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ENDOSULFAN	0.4500	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ENDOSULFAN SULFATE	0.8000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ENDRIN	0.9000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ENDRIN ALDEHYDE	0.8300	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
GAMMA BHC (LINDANE)	0.3000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEPTACHLOR	0.4200	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEPTACHLOR EPOXIDE	0.5300	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
METHOXYCHLOR	4.4000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PCB-1016 (AROCHLOR 1016)	4.4000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PCB-1221 (AROCHLOR 1221)	3.3000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PCB-1232 (AROCHLOR 1232)	2.1000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PCB-1242 (AROCHLOR 1242)	8.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PCB-1248 (AROCHLOR 1248)	2.3000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PCB-1254 (AROCHLOR 1254)	5.3000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PCB-1260 (AROCHLOR 1260)	5.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
TOXAPHENE	130.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-249: Waste Oil Underground Storage Tank
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-249-04-0911 Lab ID: 0363000003SA	Field ID: KAFB-249-04-1618 Lab ID: 0363000004SA	Field ID: KAFB-249-04-2123 Lab ID: 0363000005SA	Trip Blank Field ID: KAFB-TB-01-060794 Lab ID: 0363000001TB	Equipment Blank Field ID: KAFB-EB-249-06079 Lab ID: 0363000002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0059	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0059	0.0050	35.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0059	0.0050	123.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0059	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0059	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0059	0.0050	7.6900	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		90.0000 %	93.0000 %	93.0000 %	99.0000 %	99.0000 %		
1,2-DICHLOROPROPANE	0.0059	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		94.0000 %	98.0000 %	95.0000 %	97.0000 %	88.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0120	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
2-HEXANONE	0.0120	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ACETONE	0.0120	0.1000	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BENZENE	0.0059	0.0050	24.1000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0059	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMOFORM	0.0059	0.0050	88.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0120	0.0100	32.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0059	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0059	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0059	N/A	2160.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0120	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROFORM	0.0059	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0120	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0059	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0059	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0120	0.1000	48000.00	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0120	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0059	0.0050	93.3000	0.0000 ND	0.0000 ND	0.0000 ND	3.6000 =	3.7000		
STYRENE	0.0059	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0059	0.0050	800.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TOLUENE	0.0059	0.0050	16000.00	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		98.0000 %	102.0000 %	100.0000 %	96.0000 %	98.0000 %		
TRICHLOROETHYLENE (TCE)	0.0059	0.0050	63.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0120	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0120	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0059	0.0050	160000.0	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.5200		
cis-1,3-DICHLOROPROPENE	0.0059	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0059	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0059	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-249: Waste Oil Underground Storage Tank
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-249-04-0911 Lab ID: P275613	Field ID: KAFB-249-04-1618 Lab ID: P275614	Field ID: KAFB-249-04-2123 Lab ID: P275615	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-249-06079 Lab ID: P275612	Ambient Blank Field ID: Lab ID:	Lab ID: P276237
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		77.0000	75.0000	75.0000		66.0000		60.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		43.0000	40.0000	41.0000		35.0000		39.0000
2-FLUOROPHENOL	N/A	N/A		74.0000	71.0000	69.0000		39.0000		65.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-249: Waste Oil Underground Storage Tank
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-249-04-0911 Lab ID: P275613	Field ID: KAFB-249-04-1618 Lab ID: P275614	Field ID: KAFB-249-04-2123 Lab ID: P275615	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-249-06079 Lab ID: P275612	Ambient Blank Field ID: Lab ID:	Lab ID: P276237
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	540.0000	280.0000	410.0000		0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		41.0000	38.0000	39.0000		37.0000		36.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		89.0000	85.0000	85.0000		33.0000		72.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		45.0000	41.0000	42.0000		40.0000		40.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	100.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-249: Waste Oil Underground Storage Tank
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-249-04-0911 Lab ID: P275613	Field ID: Lab ID: P275613	Field ID: KAFB-249-04-1618 Lab ID: P275614	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.2000		8.6000				
pH	N/A	N/A		8.5000						

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-249: Waste Oil Underground Storage Tank
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-249-05-0911 Lab ID: 0363000006SA	Field ID: Lab ID: 0363000006SA	Field ID: KAFB-249-05-1618 Lab ID: 0363000007SA	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		21.0000		9.3000				
MOISTURE, PERCENT	0.1000	N/A		2.0000						

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-249: Waste Oil Underground Storage Tank
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-249-05-0911 Lab ID: 0363000006SA	Field ID: KAFB-249-05-1618 Lab ID: 0363000007SA	Field ID: KAFB-249-05-2123 Lab ID: 0363000008MS	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-249-06079 Lab ID: 0363000002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		95.0000 %	93.0000 %	99.0000 %		99.0000 %		
BENZENE	0.0320	N/A	24.1000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0320	N/A	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
GASOLINE COMPONENTS	0.6300	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
TOLUENE	0.0320	N/A	16000.00	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0320	N/A	160000.0	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.5200		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-249: Waste Oil Underground Storage Tank
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-249-05-0911 Lab ID: P275616	Field ID: KAFB-249-05-1618 Lab ID: P275617	Field ID: KAFB-249-05-2123 Lab ID: P275618	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-249-06079 Lab ID: P275612	Ambient Blank Field ID: Lab ID:	Lab ID: P277142
ALUMINUM	2.0000	50.0000		8810.0000	6000.0000	7210.0000		0.0000 ND		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	182.0000	107.0000	100.0000		0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.6200	0.5200	0.4200		0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		41100.0000	28700.0000	29300.0000		32.0000		4.6000
CHROMIUM, TOTAL	1.0000	7.0000		12.1000	8.7000	11.1000		30.0000		1.5000
COBALT	1.0000	7.0000		10.0000	9.5000	7.3000		0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		21.3000	25.3000	154.0000		14.0000		0.2000
IRON	0.8000	7.0000		15200.0000	20800.0000	15900.0000		64.0000		3.5000
LEAD	3.0000	50.0000	400.0000	7.1000	6.5000	7.9000		0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		5900.0000	4580.0000	4860.0000		0.0000 ND		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	430.0000	324.0000	311.0000		0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	12.1000	9.9000	8.7000		0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		1930.0000	1430.0000	1730.0000		0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		420.0000	373.0000	517.0000		169.0000		0.0000 ND
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	24.9000	34.8000	26.8000		0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	44.2000	39.4000	86.9000		18.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-249: Waste Oil Underground Storage Tank
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-249-05-0911 Lab ID: P275616	Field ID: KAFB-249-05-1618 Lab ID: P275617	Field ID: KAFB-249-05-2123 Lab ID: P275618	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-249-06079 Lab ID: P275612	Ambient Blank Field ID: Lab ID:	Lab ID: P276321
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-249: Waste Oil Underground Storage Tank
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-249-05-0911 Lab ID: P275616	Field ID: KAFB-249-05-1618 Lab ID: P275617	Field ID: KAFB-249-05-2123 Lab ID: P275618	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-249-06079 Lab ID: P275612	Ambient Blank Field ID: Lab ID:	Lab ID: P276239
DIESEL COMPONENTS	70.0000	10.0000		550.0000	600.0000	530.0000		0.0000 ND		0.0000 ND
PENTACOSANE	N/A	N/A		3950.0000	4730.0000	4480.0000		126.0000		4150.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-249: Waste Oil Underground Storage Tank
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8080: Organochlorine Pesticides and PCBs
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8080: Organochlorine Pesticides and PCBs
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-249-05-0911 Lab ID: P275616	Field ID: KAFB-249-05-1618 Lab ID: P275617	Field ID: KAFB-249-05-2123 Lab ID: P275618	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-249-06079 Lab ID: P275612	Ambient Blank Field ID: Lab ID:	Lab ID: P276315
2,4,5,6-TETRACHLORO-META-XYLENE	N/A	N/A		7.2000	7.5000	7.7000		0.2400		7.2000
ALDRIN	0.2700	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	0.5300	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	1.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
CHLORDANE	4.5000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DDD (1,1-bis(CHLOROPHENYL)-2,2-DICHLOROETHANE)	0.6700	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DDE (1,1-bis(CHLOROPHENYL)-2,2-DICHLOROETHENE)	1.2000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DDT (1,1-bis(CHLOROPHENYL)-2,2,2-TRICHLOROETHANE)	0.5000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DECACHLOROBIPHENYL	N/A	N/A		5.6000	5.4000	5.5000		0.1700		5.6000
DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	0.2900	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIELDRIN	0.8600	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ENDOSULFAN	0.4500	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ENDOSULFAN SULFATE	0.8000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ENDRIN	0.9000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ENDRIN ALDEHYDE	0.8300	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
GAMMA BHC (LINDANE)	0.3000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEPTACHLOR	0.4200	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEPTACHLOR EPOXIDE	0.5300	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
METHOXYCHLOR	4.4000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PCB-1016 (AROCHLOR 1016)	4.4000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PCB-1221 (AROCHLOR 1221)	3.3000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PCB-1232 (AROCHLOR 1232)	2.1000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PCB-1242 (AROCHLOR 1242)	8.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PCB-1248 (AROCHLOR 1248)	2.3000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PCB-1254 (AROCHLOR 1254)	5.3000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PCB-1260 (AROCHLOR 1260)	5.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
TOXAPHENE	130.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-249: Waste Oil Underground Storage Tank
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-249-05-0911 Lab ID: 0363000006SA	Field ID: KAFB-249-05-1618 Lab ID: 0363000007MS	Field ID: KAFB-249-05-2123 Lab ID: 0363000008SA	Trip Blank Field ID: KAFB-TB-01-060794 Lab ID: 0363000001TB	Equipment Blank Field ID: KAFB-EB-249-06079 Lab ID: 0363000002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0063	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0063	0.0050	35.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0063	0.0050	123.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0063	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0063	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0063	0.0050	7.6900	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		87.0000 %	96.0000 %	92.0000 %	99.0000 %	99.0000 %		
1,2-DICHLOROPROPANE	0.0063	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		93.0000 %	98.0000 %	98.0000 %	97.0000 %	88.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0130	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
2-HEXANONE	0.0130	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ACETONE	0.0130	0.1000	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BENZENE	0.0063	0.0050	24.1000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0063	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMOFORM	0.0063	0.0050	88.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0130	0.0100	32.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0063	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0063	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0063	N/A	2160.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0130	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROFORM	0.0063	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0130	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0063	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0063	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0130	0.1000	48000.00	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0130	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0063	0.0050	93.3000	0.0000 ND	0.0000 ND	0.0000 ND	3.6000 =	3.7000		
STYRENE	0.0063	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0063	0.0050	800.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TOLUENE	0.0063	0.0050	16000.00	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		99.0000 %	100.0000 %	98.0000 %	96.0000 %	98.0000 %		
TRICHLOROETHYLENE (TCE)	0.0063	0.0050	63.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0130	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0130	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0063	0.0050	160000.0	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.5200		
cis-1,3-DICHLOROPROPENE	0.0063	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0063	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0063	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-249: Waste Oil Underground Storage Tank
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-249-05-0911 Lab ID: P275616	Field ID: KAFB-249-05-1618 Lab ID: P275617	Field ID: KAFB-249-05-2123 Lab ID: P275618	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-249-06079 Lab ID: P275612	Ambient Blank Field ID: Lab ID:	Lab ID: P276237
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		77.0000	79.0000	69.0000		66.0000		60.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		42.0000	43.0000	41.0000		35.0000		39.0000
2-FLUOROPHENOL	N/A	N/A		73.0000	77.0000	68.0000		39.0000		65.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-249: Waste Oil Underground Storage Tank
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-249-05-0911 Lab ID: P275616	Field ID: KAFB-249-05-1618 Lab ID: P275617	Field ID: KAFB-249-05-2123 Lab ID: P275618	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-249-06079 Lab ID: P275612	Ambient Blank Field ID: Lab ID:	Lab ID: P276237
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	490.0000	380.0000	490.0000		0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		39.0000	41.0000	38.0000		37.0000		36.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		88.0000	92.0000	84.0000		33.0000		72.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		42.0000	44.0000	42.0000		40.0000		40.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	100.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-249: Waste Oil Underground Storage Tank
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-249-05-0911 Lab ID: P275616	Field ID: KAFB-249-05-1618 Lab ID: P275617	Field ID: KAFB-249-05-2123 Lab ID: P275618	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.4000	8.6000	8.6000				

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-250: Oil/Water Separator Building 20338
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-250-01-0810 Lab ID: 0353080007SA	Field ID: Lab ID: 0353080008SA	Field ID: Lab ID: 0353080008SA	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		16.0000						

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-250: Oil/Water Separator Building 20338
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-250-01-0810 Lab ID: 0353080007SA	Field ID: Lab ID: 0353080008MS	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-050694 Lab ID: 0353080001TB	Equipment Blank Field ID: KAFB-EB-263-05069 Lab ID: 0353080002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		85.0000 %	%		103.0000 %	94.0000 %		
BENZENE	0.0300	N/A	24.1000	0.0000 ND	ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0300	N/A	8000.000	0.0000 ND	ND		0.0000 ND	0.0000 ND		
GASOLINE COMPONENTS	0.6000	N/A		0.0000 ND	ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0300	N/A	16000.00	0.0000 ND	ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0300	N/A	160000.0	0.0000 ND	ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-250: Oil/Water Separator Building 20338
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-250-01-0810 Lab ID: P272176	Field ID: Lab ID: P272177	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-263-05069 Lab ID: P272171	Ambient Blank Field ID: Lab ID:	Lab ID: P272838
ALUMINUM	2.0000	50.0000		13500.0000				0.0000 ND		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	ND			0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	ND			0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	186.0000				0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.6800				0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	ND			0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		30600.0000				41.0000		0.0000 ND
CHROMIUM, TOTAL	1.0000	7.0000		13.7000				0.0000 ND		1.5000
COBALT	1.0000	7.0000		8.5000				0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		27.5000				10.0000		0.0000 ND
IRON	0.8000	7.0000		20100.0000				9.0000		0.0000 ND
LEAD	3.0000	50.0000	400.0000	9.3000				0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		6850.0000				0.0000 ND		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	455.0000				0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	ND			0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	13.3000				0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		2980.0000				0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	ND			0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	ND			0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		416.0000				0.0000 ND		0.0000 ND
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	ND			0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	46.3000				4.0000		0.0000 ND
ZINC	0.7000	2.0000	24000.00	56.3000				19.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-250: Oil/Water Separator Building 20338
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-250-01-0810 Lab ID: P272176	Field ID: Lab ID: P272177	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-263-05069 Lab ID: P272171	Ambient Blank Field ID: Lab ID:	Lab ID: P273895
MERCURY	0.1000	0.1000		0.0000 ND	ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-250: Oil/Water Separator Building 20338
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-250-01-0810 Lab ID: P272176	Field ID: Lab ID: P272177	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-263-05069 Lab ID: P272171	Ambient Blank Field ID: Lab ID:	Lab ID: P273773
DIESEL COMPONENTS	70.0000	10.0000		1200.0000				110.0000		0.0000 ND
PENTACOSANE	N/A	N/A		3060.0000				101.0000		3060.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-250: Oil/Water Separator Building 20338
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-250-01-0810 Lab ID: 0353080007SA	Field ID: Lab ID: 0353080008MS	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-050694 Lab ID: 0353080001TB	Equipment Blank Field ID: KAFB-EB-263-05069 Lab ID: 0353080002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0036	0.0050		0.0000 ND	ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0060	0.0050	35.0000	0.0000 ND	ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0060	0.0050	123.0000	0.0000 ND	ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0048	0.0050		0.0000 ND	ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0060	0.0050		0.0000 ND	ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0048	0.0050	7.6900	0.0000 ND	ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		101.0000 %	%		103.0000 %	99.0000 %		
1,2-DICHLOROPROPANE	0.0036	0.0050		0.0000 ND	ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		114.0000 %	%		100.0000 %	99.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0120	0.0100		0.0000 ND	ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0120	0.0500		0.0000 ND	ND		0.0000 ND	0.0000 ND		
ACETONE	0.0120	0.1000	8000.000	0.0100 TR			0.0000 ND	0.0000 ND		
BENZENE	0.0024	0.0050	24.1000	0.0000 ND	ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0024	0.0050		0.0000 ND	ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0060	0.0050	88.6000	0.0000 ND	ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0048	0.0100	32.0000	0.0000 ND	ND		0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0060	0.0050	8000.000	0.0000 ND	ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0036	0.0050		0.0000 ND	ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0024	N/A	2160.000	0.0000 ND	ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0120	0.0100		0.0000 ND	ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0024	0.0050		0.0000 ND	ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0072	0.0100		0.0000 ND	ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0048	0.0050		0.0000 ND	ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0024	0.0050	8000.000	0.0000 ND	ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0120	0.1000	48000.00	0.0000 ND	TR		0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0120	0.0500		0.0000 ND	ND		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0036	0.0050	93.3000	0.0079			5.2000 =	5.3000		
STYRENE	0.0060	0.0050		0.0000 ND	ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0024	0.0050	800.0000	0.0000 ND	ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0036	0.0050	16000.00	0.0000 ND	TR		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		81.0000 %	%		98.0000 %	99.0000 %		
TRICHLOROETHYLENE (TCE)	0.0036	0.0050	63.6000	0.0000 ND	ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0084	0.0500		0.0000 ND	ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0048	0.0100		0.0000 ND	ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0060	0.0050	160000.0	0.0000 ND	ND		0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0060	0.0050		0.0000 ND	ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0060	0.0050		0.0000 ND	ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0036	0.0050		0.0000 ND	ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-250: Oil/Water Separator Building 20338
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-250-01-0810 Lab ID: P272176	Field ID: Lab ID: P272177	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-263-05069 Lab ID: P272171	Ambient Blank Field ID: Lab ID:	Lab ID: P273708
1,2,4-TRICHLOROBENZENE	270.0000	0.7000	800.0000	0.0000 ND	ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	270.0000	0.7000		0.0000 ND	ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	270.0000	0.7000		0.0000 ND	ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	270.0000	0.7000		0.0000 ND	ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	240.0000	3.3000		0.0000 ND	ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		95.0000				95.0000		90.0000
2,4,6-TRICHLOROPHENOL	240.0000	0.3000		0.0000 ND	ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	270.0000	0.3000		0.0000 ND	ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	100.0000	0.3000		0.0000 ND	ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	670.0000	3.3000		0.0000 ND	ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	240.0000	0.7000		0.0000 ND	ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	240.0000	0.7000		0.0000 ND	ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	300.0000	0.3000		0.0000 ND	ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		42.0000				41.0000		43.0000
2-FLUOROPHENOL	N/A	N/A		77.0000				57.0000		80.0000
2-METHYLNAPHTHALENE	240.0000	0.7000	3200.000	0.0000 ND	ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	270.0000	0.3000		0.0000 ND	ND			0.0000 ND		0.0000 ND
2-NITROANILINE	200.0000	3.3000		0.0000 ND	ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	240.0000	0.3000		0.0000 ND	ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	240.0000	1.3000		0.0000 ND	ND			0.0000 ND		0.0000 ND
3-NITROANILINE	200.0000	3.3000		0.0000 ND	ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	170.0000	1.3000		0.0000 ND	ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	270.0000	1.3000		0.0000 ND	ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	240.0000	0.3000		0.0000 ND	ND			0.0000 ND		0.0000 ND
4-NITROANILINE	270.0000	3.3000		0.0000 ND	ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	270.0000	1.6000		0.0000 ND	ND			0.0000 ND		0.0000 ND
ACENAPHTHENE	200.0000	0.7000		0.0000 ND	ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	200.0000	0.7000		0.0000 ND	ND			0.0000 ND		0.0000 ND
ANTHRACENE	170.0000	0.7000		0.0000 ND	ND			0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	240.0000	0.7000	95.9000	0.0000 ND	ND			0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	300.0000	0.7000		0.0000 ND	ND			0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	340.0000	N/A		0.0000 ND	ND			0.0000 ND		0.0000
BENZOIC ACID	670.0000	1.6000		0.0000 ND	ND			0.0000 ND		0.0000 ND
BENZYL ALCOHOL	300.0000	1.3000		0.0000 ND	ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	170.0000	0.7000		0.0000 ND	ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-250: Oil/Water Separator Building 20338
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-250-01-0810 Lab ID: P272176	Field ID: Lab ID: P272177	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-263-05069 Lab ID: P272171	Ambient Blank Field ID: Lab ID:	Lab ID: P273708
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	260.0000				0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	240.0000	0.7000		0.0000 ND	ND			0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	300.0000	0.7000		0.0000 ND	ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	240.0000	0.7000		0.0000 ND	ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	340.0000	0.7000		0.0000 ND	ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	670.0000	0.7000		0.0000 ND	ND			0.0000 ND		0.0000 ND
FLUORANTHENE	240.0000	0.7000	3360.000	0.0000 ND	ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	200.0000	0.7000		0.0000 ND	ND			0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	240.0000	0.7000		0.0000 ND	ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	240.0000	0.7000		0.0000 ND	ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	240.0000	0.7000		0.0000 ND	ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	140.0000	0.7000		0.0000 ND	ND			0.0000 ND		0.0000 ND
ISOPHORONE	270.0000	0.7000	7370.000	0.0000 ND	ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	270.0000	0.7000		0.0000 ND	ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	200.0000	0.7000		0.0000 ND	ND			0.0000 ND		0.0000 ND
NAPHTHALENE	240.0000	0.7000	3200.000	0.0000 ND	ND			0.0000 ND		0.0000 ND
NITROBENZENE	300.0000	0.7000		0.0000 ND	ND			0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		36.0000				36.0000		36.0000
PENTACHLOROPHENOL	240.0000	3.3000	5.8300	0.0000 ND	ND			0.0000 ND		0.0000 ND
PHENANTHRENE	170.0000	0.7000		0.0000 ND	ND			0.0000 ND		0.0000 ND
PHENOL	200.0000	0.3000	48000.00	0.0000 ND	ND			0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		99.0000				49.0000		100.0000
PYRENE	170.0000	0.7000	2400.000	0.0000 ND	ND			0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		51.0000				51.0000		51.0000
bis(2-CHLOROETHOXY) METHANE	270.0000	0.7000		0.0000 ND	ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	340.0000	0.7000		0.0000 ND	ND			0.0000 ND		0.0000
bis(2-CHLOROISOPROPYL) ETHER	300.0000	0.7000		0.0000 ND	ND			0.0000 ND		0.0000 ND
bis(2-ETHYLHEXYL) PHTHALATE	140.0000	0.7000	50.0000	0.0000 ND	ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-250: Oil/Water Separator Building 20338
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-250-01-0810 Lab ID: P272176	Field ID: Lab ID: P272177	Field ID: Lab ID: P272177	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.9000						

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-250: Oil/Water Separator Building 20338
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-250-99-0813 Lab ID: P272179	Field ID: KAFB-250-02-0813 Lab ID: P272179	Field ID: KAFB-250-02-1315 Lab ID: 0353080011SA	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID: P273804
MOISTURE, PERCENT	0.1000	N/A		9.6000	9.6000	17.0000				0.0000
SOLIDS, PERCENT	N/A	N/A		84.2000	88.6000	88.3000				100.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-250: Oil/Water Separator Building 20338
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-250-02-0813 Lab ID: 0353080009SA	Field ID: KAFB-250-99-0813 Lab ID: 0353080009SA	Field ID: KAFB-250-02-1315 Lab ID: 0353080011SA	Trip Blank Field ID: KAFB-TB-01-050694 Lab ID: 0353080001TB	Equipment Blank Field ID: KAFB-EB-263-05069 Lab ID: 0353080002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		75.0000 %	103.0000 %	81.0000 %	103.0000 %	94.0000 %		
BENZENE	0.0280	N/A	24.1000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0280	N/A	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
GASOLINE COMPONENTS	0.5500	N/A		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TOLUENE	0.0280	N/A	16000.00	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0280	N/A	160000.0	0.0140	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-250: Oil/Water Separator Building 20338
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: *Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-250-99-0813 Lab ID: P272179	Field ID: KAFB-250-02-0813 Lab ID: P272179	Field ID: KAFB-250-02-1315 Lab ID: P272180	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-263-05069 Lab ID: P272171	Ambient Blank Field ID: Lab ID:	Lab ID: P272838
ALUMINUM	2.0000	50.0000		18200.0000	13800.0000	8970.0000		0.0000 ND		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	522.0000	179.0000	179.0000		0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.9500	0.7900	0.4500		0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		69400.0000	40000.0000	31900.0000		41.0000		0.0000 ND
CHROMIUM, TOTAL	1.0000	7.0000		17.2000	13.0000	10.1000		0.0000 ND		1.5000
COBALT	1.0000	7.0000		10.7000	9.4000	6.0000		0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		34.1000	28.8000	20.5000		10.0000		0.0000 ND
IRON	0.8000	7.0000		22900.0000	20200.0000	16100.0000		9.0000		0.0000 ND
LEAD	3.0000	50.0000	400.0000	11.3000	8.1000	3.6000		0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		9410.0000	7880.0000	5050.0000		0.0000 ND		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	483.0000	452.0000	272.0000		0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	17.2000	14.7000	7.7000		0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		3240.0000	2860.0000	2060.0000		0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		141.0000	106.0000	98.8000		0.0000 ND		0.0000 ND
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	43.5000	45.0000	29.9000		4.0000		0.0000 ND
ZINC	0.7000	2.0000	24000.00	64.5000	60.9000	40.5000		19.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-250: Oil/Water Separator Building 20338
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-250-99-0813 Lab ID: P272179	Field ID: KAFB-250-02-0813 Lab ID: P272179	Field ID: KAFB-250-02-1315 Lab ID: P272180	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-263-05069 Lab ID: P272171	Ambient Blank Field ID: Lab ID:	Lab ID: P273895
MERCURY	0.1000	0.1000		0.0000 ND	0.1200	0.1000		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-250: Oil/Water Separator Building 20338
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-250-99-0813 Lab ID: P272179	Field ID: KAFB-250-02-0813 Lab ID: P272179	Field ID: KAFB-250-02-1315 Lab ID: P272180	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-263-05069 Lab ID: P272171	Ambient Blank Field ID: Lab ID:	Lab ID: P273773
DIESEL COMPONENTS	70.0000	10.0000		800.0000	640.0000	790.0000		110.0000		0.0000 ND
PENTACOSANE	N/A	N/A		3200.0000	3490.0000	3180.0000		101.0000		3060.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-250: Oil/Water Separator Building 20338
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-250-02-0813 Lab ID: 0353080009SA	Field ID: KAFB-250-99-0813 Lab ID: 0353080009SA	Field ID: KAFB-250-02-1315 Lab ID: 0353080011SA	Trip Blank Field ID: KAFB-TB-01-050694 Lab ID: 0353080001TB	Equipment Blank Field ID: KAFB-EB-263-05069 Lab ID: 0353080002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0033	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0055	0.0050	35.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0055	0.0050	123.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0044	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0055	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0044	0.0050	7.6900	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		97.0000 %	98.0000 %	98.0000 %	103.0000 %	99.0000 %		
1,2-DICHLOROPROPANE	0.0033	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		102.0000 %	96.0000 %	98.0000 %	100.0000 %	99.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
2-HEXANONE	0.0110	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ACETONE	0.0110	0.1000	8000.000	0.0097 TR	0.0000 ND	0.0120 TR	0.0000 ND	0.0000 ND		
BENZENE	0.0022	0.0050	24.1000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0022	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMOFORM	0.0055	0.0050	88.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0044	0.0100	32.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0055	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0033	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0022	N/A	2160.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROFORM	0.0022	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0066	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0044	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0022	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0033	0.0050	93.3000	0.0055	0.0046	0.0067	5.2000 =	5.3000		
STYRENE	0.0055	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0022	0.0050	800.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TOLUENE	0.0033	0.0050	16000.00	0.0340	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		100.0000 %	98.0000 %	100.0000 %	98.0000 %	99.0000 %		
TRICHLOROETHYLENE (TCE)	0.0033	0.0050	63.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0077	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0044	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0055	0.0050	160000.0	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0055	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0055	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0033	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-250: Oil/Water Separator Building 20338
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-250-99-0813 Lab ID: P272179	Field ID: KAFB-250-02-0813 Lab ID: P272179	Field ID: KAFB-250-02-1315 Lab ID: P272180	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-263-05069 Lab ID: P272171	Ambient Blank Field ID: Lab ID:	Lab ID: P273708
1,2,4-TRICHLOROBENZENE	270.0000	0.7000	800.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	240.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		90.0000	94.0000	92.0000		95.0000		90.0000
2,4,6-TRICHLOROPHENOL	240.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	270.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	100.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	670.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	240.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	240.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-CHLOROPHENOL	300.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		40.0000	42.0000	34.0000		41.0000		43.0000
2-FLUOROPHENOL	N/A	N/A		72.0000	75.0000	64.0000		57.0000		80.0000
2-METHYLNAPHTHALENE	240.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	270.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-NITROANILINE	200.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-NITROPHENOL	240.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	240.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
3-NITROANILINE	200.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	170.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLOROANILINE	270.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	240.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-NITROANILINE	270.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-NITROPHENOL	270.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ACENAPHTHENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ACENAPHTHYLENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ANTHRACENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	240.0000	0.7000	95.9000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	300.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	340.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
BENZOIC ACID	670.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZYL ALCOHOL	300.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

Base: KIRTLAND AFB
Site: ST-250: Oil/Water Separator Building 20338
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

ANALYTCAL DATA SUMMARY

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-250-99-0813 Lab ID: P272179	Field ID: KAFB-250-02-0813 Lab ID: P272179	Field ID: KAFB-250-02-1315 Lab ID: P272180	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-263-05069 Lab ID: P272171	Ambient Blank Field ID: Lab ID:	Lab ID: P273708
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	240.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	300.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIBENZOFURAN	240.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	670.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
FLUORANTHENE	240.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	240.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	240.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROETHANE	240.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	140.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ISOPHORONE	270.0000	0.7000	7370.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NAPHTHALENE	240.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NITROBENZENE	300.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		33.0000	34.0000	34.0000		36.0000		36.0000
PENTACHLOROPHENOL	240.0000	3.3000	5.8300	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PHENANTHRENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PHENOL	200.0000	0.3000	48000.00	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		92.0000	96.0000	84.0000		49.0000		100.0000
PYRENE	170.0000	0.7000	2400.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		48.0000	49.0000	42.0000		51.0000		51.0000
bis(2-CHLOROETHOXY) METHANE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	300.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	140.0000	0.7000	50.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-250: Oil/Water Separator Building 20338
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-250-99-0813 Lab ID: P272179	Field ID: KAFB-250-02-0813 Lab ID: P272179	Field ID: Lab ID: P272179	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.4000	8.6000					
pH	N/A	N/A		8.5000						

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-251: Oil/Water Separator Building 20344
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-251-01-0507 Lab ID: 0354020003SA	Field ID: KAFB-251-01-1013 Lab ID: 0354020004SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		7.0000	2.9000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-251: Oil/Water Separator Building 20344
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-251-01-0507 Lab ID: 0354020003SA	Field ID: KAFB-251-01-1013 Lab ID: 0354020004SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-051094 Lab ID: 0354020001TB	Equipment Blank Field ID: KAFB-EB-251-05109 Lab ID: 0354020002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		86.0000 %	92.0000 %		106.0000 %	106.0000 %		
BENZENE	0.0270	N/A	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0270	N/A	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
GASOLINE COMPONENTS	0.5400	N/A		0.0000 ND	0.0000 ND		7.9000 TR	5.5000 TR		
TOLUENE	0.0270	N/A	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0270	N/A	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-251: Oil/Water Separator Building 20344
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-251-01-0507 Lab ID: P272949	Field ID: KAFB-251-01-1013 Lab ID: P272950	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-251-05109 Lab ID: P272948	Ambient Blank Field ID: Lab ID:	Lab ID: P274997
ALUMINUM	2.0000	50.0000		7420.0000	5710.0000			91.0000		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	477.0000	145.0000			0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.4400	0.3300			0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		84800.0000	44100.0000			128.0000		2.2000
CHROMIUM, TOTAL	1.0000	7.0000		7.3000	16.5000			0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		5.4000	5.4000			0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		64.1000	87.0000			5.0000		0.0000 ND
IRON	0.8000	7.0000		10000.0000	11000.0000			77.0000		1.2000
LEAD	3.0000	50.0000	400.0000	4.3000	6.5000			0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		6420.0000	4480.0000			112.0000		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	169.0000	229.0000			0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	12.0000	78.1000			0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		1330.0000	1270.0000			0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		243.0000	143.0000			119.0000		5.7000
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	36.9000	24.3000			0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	44.5000	52.7000			10.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-251: Oil/Water Separator Building 20344
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-251-01-0507 Lab ID: P272949	Field ID: KAFB-251-01-1013 Lab ID: P272950	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-251-05109 Lab ID: P272948	Ambient Blank Field ID: Lab ID:	Lab ID: P274985
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-251: Oil/Water Separator Building 20344
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-251-01-0507 Lab ID: P272949	Field ID: KAFB-251-01-1013 Lab ID: P272950	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-251-05109 Lab ID: P272948	Ambient Blank Field ID: Lab ID:	Lab ID: P275031
DIESEL COMPONENTS	70.0000	10.0000		330.0000	180.0000			70.0000		0.0000 ND
PENTACOSANE	N/A	N/A		1900.0000	1970.0000			63.0000		1930.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-251: Oil/Water Separator Building 20344
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-251-01-0507 Lab ID: 0354020003SA	Field ID: KAFB-251-01-1013 Lab ID: 0354020004SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-051094 Lab ID: 0354020001TB	Equipment Blank Field ID: KAFB-EB-251-05109 Lab ID: 0354020002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0032	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0054	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0054	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0043	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0054	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0043	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		97.0000 %	100.0000 %		98.0000 %	99.0000 %		
1,2-DICHLOROPROPANE	0.0032	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		96.0000 %	97.0000 %		98.0000 %	89.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ACETONE	0.0110	0.1000	8000.000	0.0065 TR	0.0130		4.6000 TR	0.0000 ND		
BENZENE	0.0022	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0022	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0054	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0043	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0054	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0032	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0022	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0022	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0065	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0043	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0022	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0094 TR	0.0150		0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0032	0.0050	93.3000	0.0057	0.0038		5.0000 =	5.0000		
STYRENE	0.0054	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0022	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0032	0.0050	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		98.0000 %	97.0000 %		98.0000 %	102.0000 %		
TRICHLOROETHYLENE (TCE)	0.0032	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0075	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0043	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0054	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0054	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0054	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0032	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-251: Oil/Water Separator Building 20344
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-251-01-0507 Lab ID: P272949	Field ID: KAFB-251-01-1013 Lab ID: P272950	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-251-05109 Lab ID: P272948	Ambient Blank Field ID: Lab ID:	Lab ID: P275029
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		75.0000	70.0000			120.0000		80.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		42.0000	34.0000			70.0000		43.0000
2-FLUOROPHENOL	N/A	N/A		70.0000	60.0000			90.0000		75.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-251: Oil/Water Separator Building 20344
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-251-01-0507 Lab ID: P272949	Field ID: KAFB-251-01-1013 Lab ID: P272950	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-251-05109 Lab ID: P272948	Ambient Blank Field ID: Lab ID:	Lab ID: P275029
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		39.0000	33.0000			75.0000		40.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	190.0000	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		80.0000	70.0000			75.0000		85.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		42.0000	34.0000			75.0000		46.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	100.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-251: Oil/Water Separator Building 20344
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-251-01-0507 Lab ID: P272949	Field ID: KAFB-251-01-1013 Lab ID: P272950	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.3000	8.2000					

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FILE

Kirtland Air Force Base
Albuquerque, New Mexico

RCRA Facility Investigation (RFI)
Stage 2B

Appendix G - Volume V of V

FINAL DRAFT - December 8, 1994

377 ABW/EMR
2000 Wyoming Blvd SE
Kirtland AFB, New Mexico 87117-5659

Kirtland Air Force Base
Albuquerque, New Mexico

FILE

RCRA Facility Investigation (RFI)
Stage 2B

Appendix G - Volume V of V

FINAL DRAFT - December 8, 1994

377 ABW/EMR
2000 Wyoming Blvd SE
Kirtland AFB, New Mexico 87117-5659

LIST OF APPENDICES

Appendix A USAF Statement of Work

Appendix B Biographies of Key Personnel

Appendix C Soil Boring Logs

Appendix D Field Data

Appendix E Surveying Data

Appendix F Chain-of-Custody Forms

Appendix G Analytical Data (**Volumes** I, II, III, IV, and **V**)

Appendix H Risk Calculations

Appendix I Correspondence with Federal, State, and Local Government Agencies

Appendix J Data from Previous Investigations

Appendix K Analytical Data Quality Assurance and Quality Control

- K.1 Laboratory Quality Control - Sample Acceptance Criteria and Instrument Detection Limit
  - K.1.a Ceimic Laboratory QC
  - K.1.b NUS Laboratory QC
- K.2 Field Equipment Calibration Logs
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- K.4 Case Narratives

Appendix L Quality Assurance and Quality Control for Production of Documents

APPENDIX G

Appendix G is divided into two sections:

- ***Section 1—Sample Identification Cross-Reference Table***. Data in this table allow correlation of Quality Control samples with specific environmental samples. It also contains data that link specific field Quality Control samples (trip blanks, equipment blanks, and ambient condition blanks) with specified environmental samples. This section appears in Volume 1 of 5 of Appendix G.

- ***Section 2—Analytical Data Summary***. This section lists the sample results from each site, analytical method, and sample matrix. This table also includes information about any data which were qualified during the data validation procedures. This section appears in Volumes 2 through 5 of Appendix G.

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-251: Oil/Water Separator Building 20344
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-251-02-0507 Lab ID: 0354020005SA	Field ID: KAFB-251-02-1012 Lab ID: 0354020006SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		13.0000	2.4000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-251: Oil/Water Separator Building 20344
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-251-02-0507 Lab ID: 0354020005SA	Field ID: KAFB-251-02-1012 Lab ID: 0354020006SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-051094 Lab ID: 0354020001TB	Equipment Blank Field ID: KAFB-EB-251-05109 Lab ID: 0354020002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		90.0000 %	92.0000 %		106.0000 %	106.0000 %		
BENZENE	0.0290	N/A	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0290	N/A	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
GASOLINE COMPONENTS	0.5800	N/A		0.0000 ND	0.0000 ND		7.9000 TR	5.5000 TR		
TOLUENE	0.0290	N/A	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0290	N/A	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-251: Oil/Water Separator Building 20344
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-251-02-0507 Lab ID: P272951	Field ID: KAFB-251-02-1012 Lab ID: P272952	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-251-05109 Lab ID: P272948	Ambient Blank Field ID: Lab ID:	Lab ID: P274997
ALUMINUM	2.0000	50.0000		7310.0000	4960.0000			91.0000		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	7.3000			0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	129.0000	78.7000			0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.4400	0.2100			0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		43500.0000	24500.0000			128.0000		2.2000
CHROMIUM, TOTAL	1.0000	7.0000		6.9000	6.5000			0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		4.5000	6.2000			0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		17.7000	49.7000			5.0000		0.0000 ND
IRON	0.8000	7.0000		10000.0000	10600.0000			77.0000		1.2000
LEAD	3.0000	50.0000	400.0000	4.2000	3.7000			0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		4700.0000	3790.0000			112.0000		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	142.0000	276.0000			0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	6.1000	7.7000			0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		1330.0000	1320.0000			0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		102.0000	116.0000			119.0000		5.7000
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	37.2000	20.1000			0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	27.0000	39.9000			10.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-251: Oil/Water Separator Building 20344
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-251-02-0507 Lab ID: P272951	Field ID: KAFB-251-02-1012 Lab ID: P272952	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-251-05109 Lab ID: P272948	Ambient Blank Field ID: Lab ID:	Lab ID: P274985
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-251: Oil/Water Separator Building 20344
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-251-02-0507 Lab ID: P272951	Field ID: KAFB-251-02-1012 Lab ID: P272952	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-251-05109 Lab ID: P272948	Ambient Blank Field ID: Lab ID:	Lab ID: P275031
DIESEL COMPONENTS	70.0000	10.0000		540.0000	210.0000			70.0000		0.0000 ND
PENTACOSANE	N/A	N/A		1740.0000	1690.0000			63.0000		1930.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-251: Oil/Water Separator Building 20344
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-251-02-0507 Lab ID: 0354020005SA	Field ID: KAFB-251-02-1012 Lab ID: 0354020006SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-051094 Lab ID: 0354020001TB	Equipment Blank Field ID: KAFB-EB-251-05109 Lab ID: 0354020002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0035	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0058	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0058	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0046	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0058	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0046	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		99.0000 %	100.0000 %		98.0000 %	99.0000 %		
1,2-DICHLOROPROPANE	0.0035	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		94.0000 %	102.0000 %		98.0000 %	89.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0120	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0120	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ACETONE	0.0120	0.1000	8000.000	0.0190	0.0057 TR		4.6000 TR	0.0000 ND		
BENZENE	0.0023	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0023	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0058	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0046	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0058	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0035	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0023	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0120	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0023	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0069	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0046	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0023	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0120	0.1000	48000.00	0.0000 ND	0.0032 TR		0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0120	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0035	0.0050	93.3000	0.0051	0.0014 TR		5.0000 =	5.0000		
STYRENE	0.0058	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0023	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0035	0.0050	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		100.0000 %	97.0000 %		98.0000 %	102.0000 %		
TRICHLOROETHYLENE (TCE)	0.0035	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0081	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0046	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0058	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0058	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0058	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0035	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-251: Oil/Water Separator Building 20344
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-251-02-0507 Lab ID: P272951	Field ID: KAFB-251-02-1012 Lab ID: P272952	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-251-05109 Lab ID: P272948	Ambient Blank Field ID: Lab ID:	Lab ID: P275029
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		80.0000	70.0000			120.0000		80.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		43.0000	42.0000			70.0000		43.0000
2-FLUOROPHENOL	N/A	N/A		75.0000	70.0000			90.0000		75.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-251: Oil/Water Separator Building 20344
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-251-02-0507 Lab ID: P272951	Field ID: KAFB-251-02-1012 Lab ID: P272952	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-251-05109 Lab ID: P272948	Ambient Blank Field ID: Lab ID:	Lab ID: P275029
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		40.0000	39.0000			75.0000		40.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	180.0000	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		85.0000	85.0000			75.0000		85.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		46.0000	44.0000			75.0000		46.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	100.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-251: Oil/Water Separator Building 20344
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-251-02-0507 Lab ID: P272951	Field ID: KAFB-251-02-1012 Lab ID: P272952	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.5000	8.8000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-251: Oil/Water Separator Building 20344
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-251-03-0507 Lab ID: 0354020007SA	Field ID: KAFB-251-03-1012 Lab ID: 0354020008SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		13.0000	7.3000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-251: Oil/Water Separator Building 20344
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-251-03-0507 Lab ID: 0354020007SA	Field ID: KAFB-251-03-1012 Lab ID: 0354020008SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-051094 Lab ID: 0354020001TB	Equipment Blank Field ID: KAFB-EB-251-05109 Lab ID: 0354020002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		87.0000 %	89.0000 %		106.0000 %	106.0000 %		
BENZENE	0.0290	N/A	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0290	N/A	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
GASOLINE COMPONENTS	0.5700	N/A		0.0000 ND	0.0000 ND		7.9000 TR	5.5000 TR		
TOLUENE	0.0290	N/A	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0290	N/A	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-251: Oil/Water Separator Building 20344
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: *Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-251-03-0507 Lab ID: P272953	Field ID: KAFB-251-03-1012 Lab ID: P272954	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-251-05109 Lab ID: P272948	Ambient Blank Field ID: Lab ID:	Lab ID: P274997
ALUMINUM	2.0000	50.0000		8090.0000	6330.0000			91.0000		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	390.0000	121.0000			0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.4400	0.4300			0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		80300.0000	30100.0000			128.0000		2.2000
CHROMIUM, TOTAL	1.0000	7.0000		8.6000	5.5000			0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		5.0000	5.5000			0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		8.9000	17.4000			5.0000		0.0000 ND
IRON	0.8000	7.0000		10800.0000	12600.0000			77.0000		1.2000
LEAD	3.0000	50.0000	400.0000	0.0000 ND	6.9000			0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		7490.0000	4970.0000			112.0000		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	171.0000	271.0000			0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	6.3000	7.4000			0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		1470.0000	1610.0000			0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		269.0000	165.0000			119.0000		5.7000
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	42.5000	31.7000			0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	24.9000	32.6000			10.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-251: Oil/Water Separator Building 20344
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-251-03-0507 Lab ID: P272953	Field ID: KAFB-251-03-1012 Lab ID: P272954	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-251-05109 Lab ID: P272948	Ambient Blank Field ID: Lab ID:	Lab ID: P274985
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-251: Oil/Water Separator Building 20344
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-251-03-0507 Lab ID: P272953	Field ID: KAFB-251-03-1012 Lab ID: P272954	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-251-05109 Lab ID: P272948	Ambient Blank Field ID: Lab ID:	Lab ID: P275031
DIESEL COMPONENTS	70.0000	10.0000		520.0000	400.0000			70.0000		0.0000 ND
PENTACOSANE	N/A	N/A		1870.0000	2040.0000			63.0000		1930.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-251: Oil/Water Separator Building 20344
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-251-03-0507 Lab ID: 0354020007SA	Field ID: KAFB-251-03-1012 Lab ID: 0354020008SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-051094 Lab ID: 0354020001TB	Equipment Blank Field ID: KAFB-EB-251-05109 Lab ID: 0354020002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0034	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0057	0.0050	35.0000	0.0000 ND	0.0027 TR		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0057	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0046	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0057	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0046	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		104.0000 %	103.0000 %		98.0000 %	99.0000 %		
1,2-DICHLOROPROPANE	0.0034	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		102.0000 %	94.0000 %		98.0000 %	89.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ACETONE	0.0110	0.1000	8000.000	0.0290	0.0092 TR		4.6000 TR	0.0000 ND		
BENZENE	0.0023	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0023	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0057	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0046	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0057	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0034	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0023	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0023	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0069	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0046	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0023	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0036 TR	0.0064 TR		0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0034	0.0050	93.3000	0.0000 ND	0.0000 ND		5.0000 =	5.0000		
STYRENE	0.0057	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0023	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0034	0.0050	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		98.0000 %	100.0000 %		98.0000 %	102.0000 %		
TRICHLOROETHYLENE (TCE)	0.0034	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0080	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0046	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0057	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0057	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0057	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0034	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-251: Oil/Water Separator Building 20344
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-251-03-0507 Lab ID: P272953	Field ID: KAFB-251-03-1012 Lab ID: P272954	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-251-05109 Lab ID: P272948	Ambient Blank Field ID: Lab ID:	Lab ID: P275029
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		80.0000	80.0000			120.0000		80.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		42.0000	42.0000			70.0000		43.0000
2-FLUOROPHENOL	N/A	N/A		75.0000	70.0000			90.0000		75.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-251: Oil/Water Separator Building 20344
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-251-03-0507 Lab ID: P272953	Field ID: KAFB-251-03-1012 Lab ID: P272954	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-251-05109 Lab ID: P272948	Ambient Blank Field ID: Lab ID:	Lab ID: P275029
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		40.0000	39.0000			75.0000		40.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	300.0000	150.0000			0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		85.0000	85.0000			75.0000		85.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		46.0000	46.0000			75.0000		46.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	100.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-251: Oil/Water Separator Building 20344
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-251-03-0507 Lab ID: P272953	Field ID: KAFB-251-03-1012 Lab ID: P272954	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.9000	8.7000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-251: Oil/Water Separator Building 20344
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-251-04-0507 Lab ID: P278819	Field ID: KAFB-251-04-1012 Lab ID: P278820	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
SOLIDS, PERCENT	0.1000	N/A		88.4000	97.7000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-251: Oil/Water Separator Building 20344
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-251-04-0507 Lab ID: P278819	Field ID: KAFB-251-04-1012 Lab ID: P278820	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-210-07069 Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
DIESEL COMPONENTS	70.0000	10.0000		720.0000	990.0000			0.0000 ND		
PENTACOSANE	N/A	N/A		3680.0000	3820.0000			109.0000		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-251: Oil/Water Separator Building 20344
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-251-04-0507 Lab ID: P278819	Field ID: KAFB-251-04-1012 Lab ID: P278820	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-210-07069 Lab ID:	Ambient Blank Field ID: KAFB-AB-210-07069 Lab ID:	Lab ID:
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND	1400.0000	
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND	1300.0000	
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
2,4,6-TRIBROMOPHENOL	N/A	N/A		87.0000	49.0000			49.0000		
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND	1400.0000	
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND	1700.0000	
2-FLUOROBIPHENYL	N/A	N/A		47.0000	46.0000			42.0000		
2-FLUOROPHENOL	N/A	N/A		73.0000	58.0000			39.0000		
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND	2100.0000	
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND	1800.0000	
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND	1800.0000	
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-251: Oil/Water Separator Building 20344
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-251-04-0507 Lab ID: P278819	Field ID: KAFB-251-04-1012 Lab ID: P278820	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-210-07069 Lab ID:	Ambient Blank Field ID: KAFB-AB-210-07069 Lab ID:	Lab ID:
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND	1400.0000	
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
NITROBENZENE-D5	N/A	0.7000		40.0000	40.0000			39.0000		
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND	250.0000 J	
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
PHENOL	130.0000	0.3000	48000.00	170.0000	0.0000 ND			0.0000 ND	1800.0000	
PHENOL-D5	N/A	N/A		82.0000	76.0000			26.0000		
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND	1200.0000	
TERPHENYL-D14	N/A	N/A		50.0000	48.0000			45.0000		
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-251: Oil/Water Separator Building 20344
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-251-05-0507 Lab ID: P278821	Field ID: KAFB-251-05-1012 Lab ID: P278822	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
SOLIDS, PERCENT	0.1000	N/A		90.8000	95.8000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-251: Oil/Water Separator Building 20344
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-251-05-0507 Lab ID: P278821	Field ID: KAFB-251-05-1012 Lab ID: P278822	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-210-07069 Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
DIESEL COMPONENTS	70.0000	10.0000		220.0000	340.0000			0.0000 ND		
PENTACOSANE	N/A	N/A		3780.0000	3770.0000			109.0000		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-251: Oil/Water Separator Building 20344
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-251-05-0507 Lab ID: P278821	Field ID: KAFB-251-05-1012 Lab ID: P278822	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-210-07069 Lab ID:	Ambient Blank Field ID: KAFB-AB-210-07069 Lab ID:	Lab ID:
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND	1400.0000	
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND	1300.0000	
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
2,4,6-TRIBROMOPHENOL	N/A	N/A		86.0000	32.0000			49.0000		
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND	1400.0000	
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND	1700.0000	
2-FLUOROBIPHENYL	N/A	N/A		45.0000	53.0000			42.0000		
2-FLUOROPHENOL	N/A	N/A		70.0000	56.0000			39.0000		
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND	2100.0000	
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND	1800.0000	
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND	1800.0000	
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-251: Oil/Water Separator Building 20344
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-251-05-0507 Lab ID: P278821	Field ID: KAFB-251-05-1012 Lab ID: P278822	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-210-07069 Lab ID:	Ambient Blank Field ID: KAFB-AB-210-07069 Lab ID:	Lab ID:
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	280.0000			0.0000 ND	0.0000 ND	
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND	1400.0000	
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
NITROBENZENE-D5	N/A	0.7000		39.0000	44.0000			39.0000		
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND	250.0000 J	
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
PHENOL	130.0000	0.3000	48000.00	200.0000	0.0000 ND			0.0000 ND	1800.0000	
PHENOL-D5	N/A	N/A		78.0000	80.0000			26.0000		
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND	1200.0000	
TERPHENYL-D14	N/A	N/A		48.0000	53.0000			45.0000		
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-251: Oil/Water Separator Building 20344
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-251-06-0507 Lab ID: P278823	Field ID: KAFB-251-06-1012 Lab ID: P278824	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
SOLIDS, PERCENT	0.1000	N/A		88.2000	94.6000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-251: Oil/Water Separator Building 20344
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-251-06-0507 Lab ID: P278823	Field ID: KAFB-251-06-1012 Lab ID: P278824	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-210-07069 Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
DIESEL COMPONENTS	70.0000	10.0000		800.0000	450.0000			0.0000 ND		
PENTACOSANE	N/A	N/A		3660.0000	3540.0000			109.0000		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-251: Oil/Water Separator Building 20344
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-251-06-0507 Lab ID: P278823	Field ID: KAFB-251-06-1012 Lab ID: P278824	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-210-07069 Lab ID:	Ambient Blank Field ID: KAFB-AB-210-07069 Lab ID:	Lab ID:
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND	1400.0000	
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND	1300.0000	
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
2,4,6-TRIBROMOPHENOL	N/A	N/A		76.0000	59.0000			49.0000		
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND	1400.0000	
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND	1700.0000	
2-FLUOROBIPHENYL	N/A	N/A		44.0000	48.0000			42.0000		
2-FLUOROPHENOL	N/A	N/A		66.0000	60.0000			39.0000		
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND	2100.0000	
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND	1800.0000	
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND	1800.0000	
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	

Base: KIRTLAND AFB
Site: ST-251: Oil/Water Separator Building 20344
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

ANALYTCAL DATA SUMMARY

Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-251-06-0507 Lab ID: P278823	Field ID: KAFB-251-06-1012 Lab ID: P278824	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-210-07069 Lab ID:	Ambient Blank Field ID: KAFB-AB-210-07069 Lab ID:	Lab ID:
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	360.0000	540.0000			0.0000 ND	0.0000 ND	
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND	1400.0000	
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
NITROBENZENE-D5	N/A	0.7000		38.0000	40.0000			39.0000		
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND	250.0000 J	
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
PHENOL	130.0000	0.3000	48000.00	150.0000	0.0000 ND			0.0000 ND	1800.0000	
PHENOL-D5	N/A	N/A		76.0000	75.0000			26.0000		
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND	1200.0000	
TERPHENYL-D14	N/A	N/A		45.0000	50.0000			45.0000		
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND	0.0000 ND	

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-252: Oil/Water Separator Building 20348
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-252-01-0204 Lab ID: 0353440003SA	Field ID: KAFB-252-01-0709 Lab ID: 0353440004SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		13.0000	7.5000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-252: Oil/Water Separator Building 20348
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-252-01-0204 Lab ID: 0353440003SA	Field ID: KAFB-252-01-0709 Lab ID: 0353440004SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-050994 Lab ID: 0353440001TB	Equipment Blank Field ID: KAFB-EB-252-05099 Lab ID: 0353440002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		88.0000 %	88.0000 %		108.0000 %	106.0000 %		
BENZENE	0.0290	N/A	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0290	N/A	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
GASOLINE COMPONENTS	0.5800	N/A		0.0000 ND	0.0000 ND		0.0000 ND	5.8000 TR		
TOLUENE	0.0290	N/A	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0290	N/A	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-252: Oil/Water Separator Building 20348
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-252-01-0204 Lab ID: P272370	Field ID: KAFB-252-01-0709 Lab ID: P272371	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-252-05099 Lab ID: P272369	Ambient Blank Field ID: Lab ID:	Lab ID: P272911
ALUMINUM	2.0000	50.0000		6120.0000	10600.0000			31.0000		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	367.0000	146.0000			0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.2300	0.5500			0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.7700			0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		188000.0000	39700.0000			44.0000		0.0000 ND
CHROMIUM, TOTAL	1.0000	7.0000		5.5000	10.3000			0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		4.4000	8.0000			0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		24.8000	21.9000			52.0000		0.0000 ND
IRON	0.8000	7.0000		4710.0000	15100.0000			21.0000		0.0000 ND
LEAD	3.0000	50.0000	400.0000	3.6000	6.9000			0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		9930.0000	7570.0000			0.0000 ND		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	44.8000	252.0000			0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	4.1000	8.3000			0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		623.0000	1880.0000			0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		302.0000	465.0000			0.0000 ND		12.3000
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	16.7000	49.0000			0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	19.4000	42.3000			84.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-252: Oil/Water Separator Building 20348
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-252-01-0204 Lab ID: P272370	Field ID: KAFB-252-01-0709 Lab ID: P272371	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-252-05099 Lab ID: P272369	Ambient Blank Field ID: Lab ID:	Lab ID: P274879
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-252: Oil/Water Separator Building 20348
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-252-01-0204 Lab ID: P272370	Field ID: KAFB-252-01-0709 Lab ID: P272371	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-252-05099 Lab ID: P272369	Ambient Blank Field ID: Lab ID:	Lab ID: P273774
DIESEL COMPONENTS	70.0000	10.0000		730.0000	960.0000			120.0000		0.0000 ND
PENTACOSANE	N/A	N/A		2930.0000	2900.0000			111.0000		3030.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-252: Oil/Water Separator Building 20348
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-252-01-0204 Lab ID: 0353440003SA	Field ID: KAFB-252-01-0709 Lab ID: 0353440004SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-050994 Lab ID: 0353440001TB	Equipment Blank Field ID: KAFB-EB-252-05099 Lab ID: 0353440002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0035	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0058	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0058	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0046	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0058	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0046	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		91.0000 %	88.0000 %		82.0000 %	82.0000 %		
1,2-DICHLOROPROPANE	0.0035	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		98.0000 %	96.0000 %		99.0000 %	102.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0120	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0120	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ACETONE	0.0120	0.1000	8000.000	0.0110 TR	0.0042 TR		5.0000 TR	3.2000 TR		
BENZENE	0.0023	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0023	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0058	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0046	0.0100	32.0000	0.0039 TR	0.0016 TR		4.1000 =	1.2000 TR		
CARBON DISULFIDE	0.0058	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0035	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0023	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0120	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0023	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0069	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0046	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0023	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0120	0.1000	48000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0120	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0035	0.0050	93.3000	0.0026 TR	0.0014 TR		0.0000 ND	1.0000 TR		
STYRENE	0.0058	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0023	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0035	0.0050	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		100.0000 %	100.0000 %		100.0000 %	103.0000 %		
TRICHLOROETHYLENE (TCE)	0.0035	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0081	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0046	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0058	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0058	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0058	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0035	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-252: Oil/Water Separator Building 20348
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-252-01-0204 Lab ID: P272370	Field ID: KAFB-252-01-0709 Lab ID: P272371	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-252-05099 Lab ID: P272369	Ambient Blank Field ID: Lab ID:	Lab ID: P273853
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		92.0000	96.0000			85.0000		91.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		38.0000	36.0000			38.0000		34.0000
2-FLUOROPHENOL	N/A	N/A		68.0000	68.0000			52.0000		64.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

Base: KIRTLAND AFB
Site: ST-252: Oil/Water Separator Building 20348
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

ANALYTCAL DATA SUMMARY

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-252-01-0204 Lab ID: P272370	Field ID: KAFB-252-01-0709 Lab ID: P272371	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-252-05099 Lab ID: P272369	Ambient Blank Field ID: Lab ID:	Lab ID: P273853
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		41.0000	38.0000			33.0000		36.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	360.0000	190.0000			0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		97.0000	93.0000			43.0000		88.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		43.0000	41.0000			30.0000		40.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	100.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-252: Oil/Water Separator Building 20348
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-252-01-0204 Lab ID: P272370	Field ID: Lab ID: P272370	Field ID: KAFB-252-01-0709 Lab ID: P272371	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.4000		8.7000				

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-252: Oil/Water Separator Building 20348
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-252-02-0204 Lab ID: 0353440005SA	Field ID: KAFB-252-02-0710 Lab ID: 0353440006SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		10.0000	12.0000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-252: Oil/Water Separator Building 20348
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-252-02-0204 Lab ID: 0353440005SA	Field ID: KAFB-252-02-0710 Lab ID: 0353440006SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-050994 Lab ID: 0353440001TB	Equipment Blank Field ID: KAFB-EB-252-05099 Lab ID: 0353440002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		82.0000 %	82.0000 %		108.0000 %	106.0000 %		
BENZENE	0.0280	N/A	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0280	N/A	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
GASOLINE COMPONENTS	0.5600	N/A		0.0000 ND	0.0000 ND		0.0000 ND	5.8000 TR		
TOLUENE	0.0280	N/A	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0280	N/A	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-252: Oil/Water Separator Building 20348
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-252-02-0204 Lab ID: P272372	Field ID: KAFB-252-02-0710 Lab ID: P272373	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-252-05099 Lab ID: P272369	Ambient Blank Field ID: Lab ID:	Lab ID: P272911
ALUMINUM	2.0000	50.0000		6420.0000	7340.0000			31.0000		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	7.1000	0.0000 ND			0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	416.0000	228.0000			0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.3300	0.4300			0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		111000.0000	34200.0000			44.0000		0.0000 ND
CHROMIUM, TOTAL	1.0000	7.0000		6.6000	7.2000			0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		3.9000	5.8000			0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		14.1000	10.1000			52.0000		0.0000 ND
IRON	0.8000	7.0000		7850.0000	11000.0000			21.0000		0.0000 ND
LEAD	3.0000	50.0000	400.0000	0.0000 ND	5.9000			0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		4010.0000	4020.0000			0.0000 ND		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	95.9000	164.0000			0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	4.5000	5.3000			0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		966.0000	1250.0000			0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		88.5000	76.9000			0.0000 ND		12.3000
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	22.5000	35.5000			0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	21.1000	27.4000			84.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-252: Oil/Water Separator Building 20348
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-252-02-0204 Lab ID: P272372	Field ID: KAFB-252-02-0710 Lab ID: P272373	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-252-05099 Lab ID: P272369	Ambient Blank Field ID: Lab ID:	Lab ID: P274879
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-252: Oil/Water Separator Building 20348
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-252-02-0204 Lab ID: P272372	Field ID: KAFB-252-02-0710 Lab ID: P272373	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-252-05099 Lab ID: P272369	Ambient Blank Field ID: Lab ID:	Lab ID: P273774
DIESEL COMPONENTS	70.0000	10.0000		890.0000	960.0000			120.0000		0.0000 ND
PENTACOSANE	N/A	N/A		2960.0000	2800.0000			111.0000		3030.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-252: Oil/Water Separator Building 20348
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-252-02-0204 Lab ID: 0353440005SA	Field ID: KAFB-252-02-0710 Lab ID: 0353440006SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-050994 Lab ID: 0353440001TB	Equipment Blank Field ID: KAFB-EB-252-05099 Lab ID: 0353440002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0056	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0056	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0045	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0056	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0045	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		90.0000 %	93.0000 %		82.0000 %	82.0000 %		
1,2-DICHLOROPROPANE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		97.0000 %	100.0000 %		99.0000 %	102.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ACETONE	0.0110	0.1000	8000.000	0.0000 ND	0.0079 TR		5.0000 TR	3.2000 TR		
BENZENE	0.0022	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0022	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0056	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0045	0.0100	32.0000	0.0000 ND	0.0000 ND		4.1000 =	1.2000 TR		
CARBON DISULFIDE	0.0056	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0022	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0022	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0067	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0045	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0022	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0000 ND	0.0028 TR		0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0033	0.0050	93.3000	0.0018 TR	0.0028 TR		0.0000 ND	1.0000 TR		
STYRENE	0.0056	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0022	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0033	0.0050	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		99.0000 %	99.0000 %		100.0000 %	103.0000 %		
TRICHLOROETHYLENE (TCE)	0.0033	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0078	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0045	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0056	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0056	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0056	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

Base: KIRTLAND AFB
Site: ST-252: Oil/Water Separator Building 20348
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

ANALYTCAL DATA SUMMARY

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-252-02-0204 Lab ID: P272372	Field ID: KAFB-252-02-0710 Lab ID: P272373	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-252-05099 Lab ID: P272369	Ambient Blank Field ID: Lab ID:	Lab ID: P273853
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		81.0000	101.0000			85.0000		91.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		37.0000	38.0000			38.0000		34.0000
2-FLUOROPHENOL	N/A	N/A		66.0000	70.0000			52.0000		64.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-252: Oil/Water Separator Building 20348
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-252-02-0204 Lab ID: P272372	Field ID: KAFB-252-02-0710 Lab ID: P272373	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-252-05099 Lab ID: P272369	Ambient Blank Field ID: Lab ID:	Lab ID: P273853
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	410.0000	280.0000			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		38.0000	40.0000			33.0000		36.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	220.0000	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		92.0000	97.0000			43.0000		88.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		41.0000	42.0000			30.0000		40.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	100.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-252: Oil/Water Separator Building 20348
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-252-02-0204 Lab ID: P272372	Field ID: KAFB-252-02-0710 Lab ID: P272373	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.1000	8.2000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-252: Oil/Water Separator Building 20348
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-252-03-0204 Lab ID: 0353440007SA	Field ID: KAFB-252-03-0710 Lab ID: 0353440008SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		9.2000	2.7000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-252: Oil/Water Separator Building 20348
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-252-03-0204 Lab ID: 0353440007SA	Field ID: KAFB-252-03-0710 Lab ID: 0353440008SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-050994 Lab ID: 0353440001TB	Equipment Blank Field ID: KAFB-EB-252-05099 Lab ID: 0353440002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		80.0000 %	83.0000 %		108.0000 %	106.0000 %		
BENZENE	0.0280	N/A	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0280	N/A	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
GASOLINE COMPONENTS	0.5500	N/A		0.0000 ND	0.0000 ND		0.0000 ND	5.8000 TR		
TOLUENE	0.0280	N/A	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0280	N/A	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-252: Oil/Water Separator Building 20348
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: *Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-252-03-0204 Lab ID: P272374	Field ID: KAFB-252-03-0710 Lab ID: P272375	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-252-05099 Lab ID: P272369	Ambient Blank Field ID: Lab ID:	Lab ID: P272911
ALUMINUM	2.0000	50.0000		6050.0000	14300.0000			31.0000		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	7.5000	0.0000 ND			0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	1120.0000	116.0000			0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.3300	0.8000			0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.6600	0.6800			0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		52300.0000	46800.0000			44.0000		0.0000 ND
CHROMIUM, TOTAL	1.0000	7.0000		4.4000	12.9000			0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		4.1000	10.7000			0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		9.4000	185.0000			52.0000		0.0000 ND
IRON	0.8000	7.0000		7830.0000	18700.0000			21.0000		0.0000 ND
LEAD	3.0000	50.0000	400.0000	4.0000	11.9000			0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		2860.0000	7620.0000			0.0000 ND		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	73.8000	447.0000			0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	4.8000	13.9000			0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		799.0000	2630.0000			0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		59.8000	123.0000			0.0000 ND		12.3000
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	22.0000	41.3000			0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	17.9000	99.1000			84.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-252: Oil/Water Separator Building 20348
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-252-03-0204 Lab ID: P272374	Field ID: KAFB-252-03-0710 Lab ID: P272375	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-252-05099 Lab ID: P272369	Ambient Blank Field ID: Lab ID:	Lab ID: P274879
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-252: Oil/Water Separator Building 20348
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-252-03-0204 Lab ID: P272374	Field ID: KAFB-252-03-0710 Lab ID: P272375	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-252-05099 Lab ID: P272369	Ambient Blank Field ID: Lab ID:	Lab ID: P273774
DIESEL COMPONENTS	70.0000	10.0000		740.0000	530.0000			120.0000		0.0000 ND
PENTACOSANE	N/A	N/A		2650.0000	2670.0000			111.0000		3030.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-252: Oil/Water Separator Building 20348
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-252-03-0204 Lab ID: 0353440007SA	Field ID: KAFB-252-03-0710 Lab ID: 0353440008SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-050994 Lab ID: 0353440001TB	Equipment Blank Field ID: KAFB-EB-252-05099 Lab ID: 0353440002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0055	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0055	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0044	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0055	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0044	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		91.0000 %	89.0000 %		82.0000 %	82.0000 %		
1,2-DICHLOROPROPANE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		95.0000 %	99.0000 %		99.0000 %	102.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ACETONE	0.0110	0.1000	8000.000	0.0000 ND	0.0000 ND		5.0000 TR	3.2000 TR		
BENZENE	0.0022	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0022	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0055	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0044	0.0100	32.0000	0.0000 ND	0.0000 ND		4.1000 =	1.2000 TR		
CARBON DISULFIDE	0.0055	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0022	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0022	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0066	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0044	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0022	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0033	0.0050	93.3000	0.0024 TR	0.0012 TR		0.0000 ND	1.0000 TR		
STYRENE	0.0055	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0022	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0033	0.0050	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		102.0000 %	98.0000 %		100.0000 %	103.0000 %		
TRICHLOROETHYLENE (TCE)	0.0033	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0077	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0044	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0055	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0055	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0055	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-252: Oil/Water Separator Building 20348
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-252-03-0204 Lab ID: P272374	Field ID: KAFB-252-03-0710 Lab ID: P272375	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-252-05099 Lab ID: P272369	Ambient Blank Field ID: Lab ID:	Lab ID: P273853
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		76.0000	89.0000			85.0000		91.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		36.0000	37.0000			38.0000		34.0000
2-FLUOROPHENOL	N/A	N/A		64.0000	68.0000			52.0000		64.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-252: Oil/Water Separator Building 20348
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-252-03-0204 Lab ID: P272374	Field ID: KAFB-252-03-0710 Lab ID: P272375	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-252-05099 Lab ID: P272369	Ambient Blank Field ID: Lab ID:	Lab ID: P273853
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	450.0000			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		38.0000	40.0000			33.0000		36.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		90.0000	94.0000			43.0000		88.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		40.0000	42.0000			30.0000		40.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	100.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-252: Oil/Water Separator Building 20348
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-252-03-0204 Lab ID: P272374	Field ID: KAFB-252-03-0710 Lab ID: P272375	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.1000	8.2000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-253: Oil/Water Separator Building 20348
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-253-01-0206 Lab ID: 0353440009SA	Field ID: KAFB-253-99-0206 Lab ID: 0353440009SA	Field ID: KAFB-253-01-0709 Lab ID: 0353440011SA	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		13.0000	11.0000	8.9000				

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-253: Oil/Water Separator Building 20348
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-253-01-0206 Lab ID: 0353440009SA	Field ID: KAFB-253-99-0206 Lab ID: 0353440009SA	Field ID: KAFB-253-01-0709 Lab ID: 0353440011MS	Trip Blank Field ID: KAFB-TB-01-050994 Lab ID: 0353440001TB	Equipment Blank Field ID: KAFB-EB-252-05099 Lab ID: 0353440002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		90.0000 %	80.0000 %	98.0000 %	108.0000 %	106.0000 %		
BENZENE	0.0290	N/A	24.1000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0290	N/A	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
GASOLINE COMPONENTS	0.5700	N/A		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	5.8000 TR		
TOLUENE	0.0290	N/A	16000.00	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0290	N/A	160000.0	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-253: Oil/Water Separator Building 20348
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-253-01-0206 Lab ID: P272376	Field ID: KAFB-253-99-0206 Lab ID: P272376	Field ID: KAFB-253-01-0709 Lab ID: P272378	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-252-05099 Lab ID: P272369	Ambient Blank Field ID: Lab ID:	Lab ID: P272911
ALUMINUM	2.0000	50.0000		4930.0000	4620.0000	7440.0000		31.0000		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	538.0000	183.0000	109.0000		0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.2200	0.2200	0.4300		0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		73000.0000	94100.0000	41500.0000		44.0000		0.0000 ND
CHROMIUM, TOTAL	1.0000	7.0000		3.2000	2.9000	6.5000		0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		3.9000	3.5000	4.5000		0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		14.8000	14.9000	13.7000		52.0000		0.0000 ND
IRON	0.8000	7.0000		6290.0000	5320.0000	9260.0000		21.0000		0.0000 ND
LEAD	3.0000	50.0000	400.0000	0.0000 ND	3.9000	5.4000		0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		2780.0000	3670.0000	4340.0000		0.0000 ND		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	63.0000	56.0000	128.0000		0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	0.0000 ND	4.1000	5.8000		0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		738.0000	625.0000	1210.0000		0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		68.7000	77.4000	93.4000		0.0000 ND		12.3000
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	17.7000	17.3000	26.5000		0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	17.4000	15.8000	24.4000		84.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-253: Oil/Water Separator Building 20348
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-253-01-0206 Lab ID: P272376	Field ID: KAFB-253-99-0206 Lab ID: P272376	Field ID: KAFB-253-01-0709 Lab ID: P272378	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-252-05099 Lab ID: P272369	Ambient Blank Field ID: Lab ID:	Lab ID: P274879
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-253: Oil/Water Separator Building 20348
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-253-01-0206 Lab ID: P272376	Field ID: KAFB-253-99-0206 Lab ID: P272376	Field ID: KAFB-253-01-0709 Lab ID: P272378	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-252-05099 Lab ID: P272369	Ambient Blank Field ID: Lab ID:	Lab ID: P273774
DIESEL COMPONENTS	70.0000	10.0000		1000.0000	1300.0000	840.0000		120.0000		0.0000 ND
PENTACOSANE	N/A	N/A		2790.0000	2950.0000	2530.0000		111.0000		3030.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-253: Oil/Water Separator Building 20348
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-253-01-0206 Lab ID: 0353440009SA	Field ID: KAFB-253-99-0206 Lab ID: 0353440009SA	Field ID: KAFB-253-01-0709 Lab ID: 0353440011MS	Trip Blank Field ID: KAFB-TB-01-050994 Lab ID: 0353440001TB	Equipment Blank Field ID: KAFB-EB-252-05099 Lab ID: 0353440002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0034	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0057	0.0050	35.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0057	0.0050	123.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0046	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0057	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0046	0.0050	7.6900	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		92.0000 %	82.0000 %	87.0000 %	82.0000 %	82.0000 %		
1,2-DICHLOROPROPANE	0.0034	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		100.0000 %	94.0000 %	92.0000 %	99.0000 %	102.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
2-HEXANONE	0.0110	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ACETONE	0.0110	0.1000	8000.000	0.0046 TR	0.0047 TR	0.0020 TR	5.0000 TR	3.2000 TR		
BENZENE	0.0023	0.0050	24.1000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0023	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMOFORM	0.0057	0.0050	88.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0046	0.0100	32.0000	0.0000 ND	0.0000 ND	0.0000 ND	4.1000 =	1.2000 TR		
CARBON DISULFIDE	0.0057	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0034	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0023	N/A	2160.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROFORM	0.0023	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0069	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0046	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0023	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0034	0.0050	93.3000	0.0017 TR	0.0014 TR	0.0018 TR	0.0000 ND	1.0000 TR		
STYRENE	0.0057	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0023	0.0050	800.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TOLUENE	0.0034	0.0050	16000.00	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		99.0000 %	102.0000 %	96.0000 %	100.0000 %	103.0000 %		
TRICHLOROETHYLENE (TCE)	0.0034	0.0050	63.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0080	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0046	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0057	0.0050	160000.0	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0057	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0057	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0034	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		

Base: KIRTLAND AFB
Site: ST-253: Oil/Water Separator Building 20348
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

ANALYTCAL DATA SUMMARY

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-253-01-0206 Lab ID: P272376	Field ID: KAFB-253-99-0206 Lab ID: P272376	Field ID: KAFB-253-01-0709 Lab ID: P272378	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-252-05099 Lab ID: P272369	Ambient Blank Field ID: Lab ID:	Lab ID: P273853
1,2,4-TRICHLOROBENZENE	270.0000	0.7000	800.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	240.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		120.0000	100.0000	95.0000		85.0000		91.0000
2,4,6-TRICHLOROPHENOL	240.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	270.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	100.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	670.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	240.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	240.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-CHLOROPHENOL	300.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		42.0000	38.0000	35.0000		38.0000		34.0000
2-FLUOROPHENOL	N/A	N/A		78.0000	71.0000	67.0000		52.0000		64.0000
2-METHYLNAPHTHALENE	240.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	270.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-NITROANILINE	200.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-NITROPHENOL	240.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	240.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
3-NITROANILINE	200.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	170.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLOROANILINE	270.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	240.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-NITROANILINE	270.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-NITROPHENOL	270.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ACENAPHTHENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ACENAPHTHYLENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ANTHRACENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	240.0000	0.7000	95.9000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	300.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	340.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
BENZOIC ACID	670.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZYL ALCOHOL	300.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-253: Oil/Water Separator Building 20348
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-253-01-0206 Lab ID: P272376	Field ID: KAFB-253-99-0206 Lab ID: P272376	Field ID: KAFB-253-01-0709 Lab ID: P272378	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-252-05099 Lab ID: P272369	Ambient Blank Field ID: Lab ID:	Lab ID: P273853
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	490.0000	440.0000	0.0000 ND		0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	240.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	300.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIBENZOFURAN	240.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	670.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
FLUORANTHENE	240.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	240.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	240.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROETHANE	240.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	140.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ISOPHORONE	270.0000	0.7000	7370.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NAPHTHALENE	240.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NITROBENZENE	300.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		45.0000	40.0000	37.0000		33.0000		36.0000
PENTACHLOROPHENOL	240.0000	3.3000	5.8300	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PHENANTHRENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PHENOL	200.0000	0.3000	48000.00	540.0000	360.0000	0.0000 ND		0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		110.0000	97.0000	91.0000		43.0000		88.0000
PYRENE	170.0000	0.7000	2400.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		47.0000	42.0000	38.0000		30.0000		40.0000
bis(2-CHLOROETHOXY) METHANE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	340.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	300.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	140.0000	0.7000	50.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-253: Oil/Water Separator Building 20348
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-253-01-0206 Lab ID: P272376	Field ID: KAFB-253-99-0206 Lab ID: P272376	Field ID: KAFB-253-01-0709 Lab ID: P272378	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.2000	8.3000	8.3000				

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-253: Oil/Water Separator Building 20348
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-253-02-0204 Lab ID: 0353440012SA	Field ID: KAFB-253-02-1214 Lab ID: 0353440013SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		9.9000	6.8000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-253: Oil/Water Separator Building 20348
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-253-02-0204 Lab ID: 0353440012SA	Field ID: KAFB-253-02-1214 Lab ID: 0353440013SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-050994 Lab ID: 0353440001TB	Equipment Blank Field ID: KAFB-EB-252-05099 Lab ID: 0353440002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		90.0000 %	86.0000 %		108.0000 %	106.0000 %		
BENZENE	0.0280	N/A	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0280	N/A	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
GASOLINE COMPONENTS	0.5500	N/A		0.0000 ND	0.0000 ND		0.0000 ND	5.8000 TR		
TOLUENE	0.0280	N/A	16000.00	0.0170 TR	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0280	N/A	160000.0	0.0150 TR	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-253: Oil/Water Separator Building 20348
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-253-02-0204 Lab ID: P272379	Field ID: KAFB-253-02-1214 Lab ID: P272380	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-252-05099 Lab ID: P272369	Ambient Blank Field ID: Lab ID:	Lab ID: P272911
ALUMINUM	2.0000	50.0000		4110.0000	7330.0000			31.0000		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	124.0000	129.0000			0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.2300	0.4400			0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		126000.0000	24200.0000			44.0000		0.0000 ND
CHROMIUM, TOTAL	1.0000	7.0000		3.2000	7.6000			0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		2.8000	6.0000			0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		25.0000	23.1000			52.0000		0.0000 ND
IRON	0.8000	7.0000		4790.0000	11100.0000			21.0000		0.0000 ND
LEAD	3.0000	50.0000	400.0000	0.0000 ND	4.8000			0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		3000.0000	4350.0000			0.0000 ND		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	47.1000	212.0000			0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	0.0000 ND	7.7000			0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		574.0000	1420.0000			0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		74.4000	88.4000			0.0000 ND		12.3000
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	14.8000	21.2000			0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	20.7000	33.9000			84.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-253: Oil/Water Separator Building 20348
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-253-02-0204 Lab ID: P272379	Field ID: KAFB-253-02-1214 Lab ID: P272380	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-252-05099 Lab ID: P272369	Ambient Blank Field ID: Lab ID:	Lab ID: P274879
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-253: Oil/Water Separator Building 20348
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-253-02-0204 Lab ID: P272379	Field ID: KAFB-253-02-1214 Lab ID: P272380	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-252-05099 Lab ID: P272369	Ambient Blank Field ID: Lab ID:	Lab ID: P273774
DIESEL COMPONENTS	70.0000	10.0000		820.0000	1100.0000			120.0000		0.0000 ND
PENTACOSANE	N/A	N/A		2700.0000	2770.0000			111.0000		3030.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-253: Oil/Water Separator Building 20348
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-253-02-0204 Lab ID: 0353440012SA	Field ID: KAFB-253-02-1214 Lab ID: 0353440013SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-050994 Lab ID: 0353440001TB	Equipment Blank Field ID: KAFB-EB-252-05099 Lab ID: 0353440002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0055	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0055	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0044	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0055	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0044	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		81.0000 %	87.0000 %		82.0000 %	82.0000 %		
1,2-DICHLOROPROPANE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		98.0000 %	99.0000 %		99.0000 %	102.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ACETONE	0.0110	0.1000	8000.000	0.0000 ND	0.0000 ND		5.0000 TR	3.2000 TR		
BENZENE	0.0022	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0022	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0055	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0044	0.0100	32.0000	0.0000 ND	0.0000 ND		4.1000 =	1.2000 TR		
CARBON DISULFIDE	0.0055	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0022	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0022	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0067	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0044	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0022	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0033	0.0050	93.3000	0.0018 TR	0.0012 TR		0.0000 ND	1.0000 TR		
STYRENE	0.0055	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0022	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0033	0.0050	16000.00	0.0000 ND	0.0027 TR		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		101.0000 %	104.0000 %		100.0000 %	103.0000 %		
TRICHLOROETHYLENE (TCE)	0.0033	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0078	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0044	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0055	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0055	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0055	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-253: Oil/Water Separator Building 20348
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-253-02-0204 Lab ID: P272379	Field ID: KAFB-253-02-1214 Lab ID: P272380	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-252-05099 Lab ID: P272369	Ambient Blank Field ID: Lab ID:	Lab ID: P273853
1,2,4-TRICHLOROBENZENE	270.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	240.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		98.0000	99.0000			85.0000		91.0000
2,4,6-TRICHLOROPHENOL	240.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	270.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	100.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	670.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	240.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	240.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	300.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		35.0000	38.0000			38.0000		34.0000
2-FLUOROPHENOL	N/A	N/A		68.0000	70.0000			52.0000		64.0000
2-METHYLNAPHTHALENE	240.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	270.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	240.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	240.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	170.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	270.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	240.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	270.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	240.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	340.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZOIC ACID	670.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL ALCOHOL	300.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-253: Oil/Water Separator Building 20348
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-253-02-0204 Lab ID: P272379	Field ID: KAFB-253-02-1214 Lab ID: P272380	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-252-05099 Lab ID: P272369	Ambient Blank Field ID: Lab ID:	Lab ID: P273853
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	350.0000	280.0000			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	240.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	240.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	340.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	670.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	240.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	240.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	240.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	240.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	140.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	270.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	240.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		38.0000	40.0000			33.0000		36.0000
PENTACHLOROPHENOL	240.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	200.0000	0.3000	48000.00	230.0000	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		93.0000	97.0000			43.0000		88.0000
PYRENE	170.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		39.0000	42.0000			30.0000		40.0000
bis(2-CHLOROETHOXY) METHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	340.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	140.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-253: Oil/Water Separator Building 20348
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-253-02-0204 Lab ID: P272379	Field ID: KAFB-253-02-1214 Lab ID: P272380	Field ID: Lab ID: P272380	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.2000	8.3000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-254: Oil/Water Separator Building 20365
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-254-01-0608 Lab ID: 0358490003SA	Field ID: Lab ID: 0358490003SA	Field ID: KAFB-254-01-1113 Lab ID: 0358490004SA	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		10.0000		10.0000				

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-254: Oil/Water Separator Building 20365
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-254-01-0608 Lab ID: 0358490003SA	Field ID: KAFB-254-01-1113 Lab ID: 0358490004SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-254-06019 Lab ID: 0358490002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		86.0000 %	88.0000 %			98.0000 %		
BENZENE	0.0280	N/A	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0280	N/A	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
GASOLINE COMPONENTS	0.5600	N/A		0.0000 ND	0.0000 ND			6.1000 TR		
TOLUENE	0.0280	N/A	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0280	N/A	160000.0	0.0150 TR	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-254: Oil/Water Separator Building 20365
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-254-01-0608 Lab ID: P274676	Field ID: KAFB-254-01-1113 Lab ID: P274677	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-254-06019 Lab ID: P274675	Ambient Blank Field ID: Lab ID:	Lab ID: P276058
ALUMINUM	2.0000	50.0000		7390.0000	8200.0000			0.0000 ND		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	50.8000	142.0000			0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.0000 ND	0.5500			0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		55700.0000	21000.0000			0.0000 ND		0.0000 ND
CHROMIUM, TOTAL	1.0000	7.0000		10.5000	9.5000			0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		6.6000	7.1000			0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		10.5000	65.2000			4.0000		0.0000 ND
IRON	0.8000	7.0000		11700.0000	16200.0000			13.0000		2.5000
LEAD	3.0000	50.0000	400.0000	0.0000 ND	7.3000			0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		5290.0000	5220.0000			0.0000 ND		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	262.0000	292.0000			0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	0.0000 ND	10.3000			0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		1900.0000	2040.0000			0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		113.0000	292.0000			56.0000		0.0000 ND
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	30.4000	30.1000			0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	33.1000	54.2000			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-254: Oil/Water Separator Building 20365
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-254-01-0608 Lab ID: P274676	Field ID: KAFB-254-01-1113 Lab ID: P274677	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-254-06019 Lab ID: P274675	Ambient Blank Field ID: Lab ID:	Lab ID: P276188
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-254: Oil/Water Separator Building 20365
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-254-01-0608 Lab ID: P274676	Field ID: KAFB-254-01-1113 Lab ID: P274677	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-254-06019 Lab ID: P274675	Ambient Blank Field ID: Lab ID:	Lab ID: P276084
DIESEL COMPONENTS	70.0000	10.0000		880.0000	400.0000			0.0000 ND		0.0000 ND
PENTACOSANE	N/A	N/A		4110.0000	4040.0000			116.0000		3920.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-254: Oil/Water Separator Building 20365
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-254-01-0608 Lab ID: 0358490003SA	Field ID: KAFB-254-01-1113 Lab ID: 0358490004SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-060194 Lab ID: 0358490001TB	Equipment Blank Field ID: KAFB-EB-254-06019 Lab ID: 0358490002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0056	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0056	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0044	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0056	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0044	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		97.0000 %	99.0000 %		93.0000 %	95.0000 %		
1,2-DICHLOROPROPANE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		94.0000 %	93.0000 %		89.0000 %	91.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ACETONE	0.0110	0.1000	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	4.3000 TR		
BENZENE	0.0022	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0022	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0056	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0044	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0056	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0022	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0022	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0067	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0044	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0022	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0033	0.0050	93.3000	0.0054	0.0057		7.0000 =	6.4000		
STYRENE	0.0056	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0022	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0033	0.0050	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		100.0000 %	98.0000 %		99.0000 %	98.0000 %		
TRICHLOROETHYLENE (TCE)	0.0033	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0078	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0044	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0056	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0056	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0056	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-254: Oil/Water Separator Building 20365
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-254-01-0608 Lab ID: P274676	Field ID: KAFB-254-01-1113 Lab ID: P274677	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-254-06019 Lab ID: P274675	Ambient Blank Field ID: Lab ID:	Lab ID: P276088
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		60.0000	60.0000			150.0000		60.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		31.0000	32.0000			70.0000		32.0000
2-FLUOROPHENOL	N/A	N/A		55.0000	55.0000			100.0000		60.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-254: Oil/Water Separator Building 20365
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-254-01-0608 Lab ID: P274676	Field ID: KAFB-254-01-1113 Lab ID: P274677	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-254-06019 Lab ID: P274675	Ambient Blank Field ID: Lab ID:	Lab ID: P276088
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		31.0000	32.0000			75.0000		32.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	270.0000	200.0000			0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		65.0000	65.0000			70.0000		65.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		32.0000	33.0000			70.0000		34.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	100.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-254: Oil/Water Separator Building 20365
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-254-01-0608 Lab ID: P274676	Field ID: KAFB-254-01-1113 Lab ID: P274677	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.6000	9.3000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-254: Oil/Water Separator Building 20365
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-254-02-0609 Lab ID: 0358490005SA	Field ID: KAFB-254-02-1113 Lab ID: 0358490006SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		17.0000	7.2000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-254: OilWater Separator Building 20365
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-254-02-0609 Lab ID: 0358490005SA	Field ID: KAFB-254-02-1113 Lab ID: 0358490006SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-254-06019 Lab ID: 0358490002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		89.0000 %	82.0000 %			98.0000 %		
BENZENE	0.0300	N/A	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0300	N/A	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
GASOLINE COMPONENTS	0.6100	N/A		0.0000 ND	0.0000 ND			6.1000 TR		
TOLUENE	0.0300	N/A	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0300	N/A	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-254: Oil/Water Separator Building 20365
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: *Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-254-02-0609 Lab ID: P274678	Field ID: KAFB-254-02-1113 Lab ID: P274679	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-254-06019 Lab ID: P274675	Ambient Blank Field ID: Lab ID:	Lab ID: P276058
ALUMINUM	2.0000	50.0000		6360.0000	5670.0000			0.0000 ND		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	551.0000	91.9000			0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.3300	0.3200			0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		67400.0000	23100.0000			0.0000 ND		0.0000 ND
CHROMIUM, TOTAL	1.0000	7.0000		11.5000	6.0000			0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		4.5000	4.6000			0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		28.8000	25.8000			4.0000		0.0000 ND
IRON	0.8000	7.0000		10200.0000	10300.0000			13.0000		2.5000
LEAD	3.0000	50.0000	400.0000	4.5000	5.6000			0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		5070.0000	3700.0000			0.0000 ND		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	128.0000	229.0000			0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	10.9000	6.6000			0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		813.0000	1310.0000			0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		145.0000	91.1000			56.0000		0.0000 ND
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	30.0000	18.3000			0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	29.1000	39.2000			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-254: Oil/Water Separator Building 20365
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-254-02-0609 Lab ID: P274678	Field ID: KAFB-254-02-1113 Lab ID: P274679	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-254-06019 Lab ID: P274675	Ambient Blank Field ID: Lab ID:	Lab ID: P276188
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-254: Oil/Water Separator Building 20365
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-254-02-0609 Lab ID: P274678	Field ID: KAFB-254-02-1113 Lab ID: P274679	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-254-06019 Lab ID: P274675	Ambient Blank Field ID: Lab ID:	Lab ID: P276084
DIESEL COMPONENTS	70.0000	10.0000		440.0000	1200.0000			0.0000 ND		0.0000 ND
PENTACOSANE	N/A	N/A		4130.0000	4530.0000			116.0000		3920.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-254: Oil/Water Separator Building 20365
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-254-02-0609 Lab ID: 0358490005SA	Field ID: KAFB-254-02-1113 Lab ID: 0358490006SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-060194 Lab ID: 0358490001TB	Equipment Blank Field ID: KAFB-EB-254-06019 Lab ID: 0358490002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0036	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0061	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0061	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0048	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0061	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0048	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		96.0000 %	95.0000 %		93.0000 %	95.0000 %		
1,2-DICHLOROPROPANE	0.0036	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		97.0000 %	97.0000 %		89.0000 %	91.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0120	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0120	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ACETONE	0.0120	0.1000	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	4.3000 TR		
BENZENE	0.0024	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0024	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0061	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0048	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0061	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0036	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0024	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0120	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0024	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0073	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0048	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0024	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0120	0.1000	48000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0120	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0036	0.0050	93.3000	0.0062	0.0000 ND		7.0000 =	6.4000		
STYRENE	0.0061	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0024	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0036	0.0050	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		96.0000 %	97.0000 %		99.0000 %	98.0000 %		
TRICHLOROETHYLENE (TCE)	0.0036	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0085	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0048	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0061	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0061	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0061	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0036	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-254: Oil/Water Separator Building 20365
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-254-02-0609 Lab ID: P274678	Field ID: KAFB-254-02-1113 Lab ID: P274679	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-254-06019 Lab ID: P274675	Ambient Blank Field ID: Lab ID:	Lab ID: P276088
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		60.0000	55.0000			150.0000		60.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		31.0000	32.0000			70.0000		32.0000
2-FLUOROPHENOL	N/A	N/A		55.0000	55.0000			100.0000		60.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

Base: KIRTLAND AFB
Site: ST-254: Oil/Water Separator Building 20365
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

ANALYTCAL DATA SUMMARY

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-254-02-0609 Lab ID: P274678	Field ID: KAFB-254-02-1113 Lab ID: P274679	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-254-06019 Lab ID: P274675	Ambient Blank Field ID: Lab ID:	Lab ID: P276088
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		31.0000	32.0000			75.0000		32.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	300.0000	210.0000			0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		65.0000	65.0000			70.0000		65.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		32.0000	33.0000			70.0000		34.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	100.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-254: Oil/Water Separator Building 20365
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-254-02-0609 Lab ID: P274678	Field ID: KAFB-254-02-1113 Lab ID: P274679	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		9.8000	8.4000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-254: Oil/Water Separator Building 20365
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-254-03-0608 Lab ID: 0358490007SA	Field ID: KAFB-254-03-1113 Lab ID: 0358490008SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		9.2000	10.0000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-254: Oil/Water Separator Building 20365
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-254-03-0608 Lab ID: 0358490007SA	Field ID: KAFB-254-03-1113 Lab ID: 0358490008SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-254-06019 Lab ID: 0358490002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		86.0000 %	82.0000 %			98.0000 %		
BENZENE	0.0280	N/A	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0280	N/A	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
GASOLINE COMPONENTS	0.5500	N/A		0.0000 ND	0.0000 ND			6.1000 TR		
TOLUENE	0.0280	N/A	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0280	N/A	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-254: Oil/Water Separator Building 20365
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-254-03-0608 Lab ID: P274680	Field ID: KAFB-254-03-1113 Lab ID: P274681	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-254-06019 Lab ID: P274675	Ambient Blank Field ID: Lab ID:	Lab ID: P276058
ALUMINUM	2.0000	50.0000		7040.0000	6940.0000			0.0000 ND		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	151.0000	130.0000			0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.4400	0.4300			0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		67900.0000	18500.0000			0.0000 ND		0.0000 ND
CHROMIUM, TOTAL	1.0000	7.0000		8.2000	8.3000			0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		4.9000	6.6000			0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		35.8000	46.9000			4.0000		0.0000 ND
IRON	0.8000	7.0000		10700.0000	13100.0000			13.0000		2.5000
LEAD	3.0000	50.0000	400.0000	5.5000	6.6000			0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		7360.0000	4480.0000			0.0000 ND		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	161.0000	250.0000			0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	9.2000	8.3000			0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		1210.0000	1650.0000			0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		141.0000	109.0000			56.0000		0.0000 ND
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	35.8000	22.1000			0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	33.4000	48.2000			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-254: Oil/Water Separator Building 20365
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-254-03-0608 Lab ID: P274680	Field ID: KAFB-254-03-1113 Lab ID: P274681	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-254-06019 Lab ID: P274675	Ambient Blank Field ID: Lab ID:	Lab ID: P276188
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-254: Oil/Water Separator Building 20365
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-254-03-0608 Lab ID: P274680	Field ID: KAFB-254-03-1113 Lab ID: P274681	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-254-06019 Lab ID: P274675	Ambient Blank Field ID: Lab ID:	Lab ID: P276084
DIESEL COMPONENTS	70.0000	10.0000		810.0000	780.0000			0.0000 ND		0.0000 ND
PENTACOSANE	N/A	N/A		4470.0000	4030.0000			116.0000		3920.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-254: Oil/Water Separator Building 20365
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-254-03-0608 Lab ID: 0358490007SA	Field ID: KAFB-254-03-1113 Lab ID: 0358490008SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-060194 Lab ID: 0358490001TB	Equipment Blank Field ID: KAFB-EB-254-06019 Lab ID: 0358490002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0055	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0055	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0044	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0055	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0044	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		96.0000 %	100.0000 %		93.0000 %	95.0000 %		
1,2-DICHLOROPROPANE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		98.0000 %	97.0000 %		89.0000 %	91.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ACETONE	0.0110	0.1000	8000.000	0.0000 ND	0.0081 TR		0.0000 ND	4.3000 TR		
BENZENE	0.0022	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0022	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0055	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0044	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0055	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0022	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0022	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0066	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0044	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0022	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0033	0.0050	93.3000	0.0065	0.0048		7.0000 =	6.4000		
STYRENE	0.0055	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0022	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0033	0.0050	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		99.0000 %	100.0000 %		99.0000 %	98.0000 %		
TRICHLOROETHYLENE (TCE)	0.0033	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0077	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0044	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0055	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0055	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0055	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

Base: KIRTLAND AFB
Site: ST-254: Oil/Water Separator Building 20365
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

ANALYTCAL DATA SUMMARY

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-254-03-0608 Lab ID: P274680	Field ID: KAFB-254-03-1113 Lab ID: P274681	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-254-06019 Lab ID: P274675	Ambient Blank Field ID: Lab ID:	Lab ID: P276088
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		65.0000	75.0000			150.0000		60.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		34.0000	42.0000			70.0000		32.0000
2-FLUOROPHENOL	N/A	N/A		60.0000	70.0000			100.0000		60.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-254: Oil/Water Separator Building 20365
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-254-03-0608 Lab ID: P274680	Field ID: KAFB-254-03-1113 Lab ID: P274681	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-254-06019 Lab ID: P274675	Ambient Blank Field ID: Lab ID:	Lab ID: P276088
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		33.0000	42.0000			75.0000		32.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	220.0000			0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		70.0000	85.0000			70.0000		65.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		36.0000	45.0000			70.0000		34.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	100.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-254: Oil/Water Separator Building 20365
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-254-03-0608 Lab ID: P274680	Field ID: KAFB-254-03-1113 Lab ID: P274681	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.5000	8.7000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-254: Oil/Water Separator Building 20365
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-254-04-0610 Lab ID: 0358490009SA	Field ID: KAFB-254-99-0610 Lab ID: 0358490009SA	Field ID: KAFB-254-04-1115 Lab ID: 0358490011SA	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		12.0000	11.0000	9.2000				
MOISTURE, PERCENT	N/A	N/A		9.2000						

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-254: Oil/Water Separator Building 20365
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-254-04-0610 Lab ID: 0358490009SA	Field ID: KAFB-254-99-0610 Lab ID: 0358490009SA	Field ID: KAFB-254-04-1115 Lab ID: 0358490011MS	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-254-06019 Lab ID: 0358490002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		84.0000 %	86.0000 %	85.0000 %		98.0000 %		
BENZENE	0.0280	N/A	24.1000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0280	N/A	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
GASOLINE COMPONENTS	0.5700	N/A		0.0000 ND	0.0000 ND	0.0000 ND		6.1000 TR		
TOLUENE	0.0280	N/A	16000.00	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0280	N/A	160000.0	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-254: Oil/Water Separator Building 20365
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: *Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-254-04-0610 Lab ID: P274682	Field ID: KAFB-254-99-0610 Lab ID: P274682	Field ID: KAFB-254-04-1115 Lab ID: P274684	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-254-06019 Lab ID: P274675	Ambient Blank Field ID: Lab ID:	Lab ID: P276194
ALUMINUM	2.0000	50.0000		7290.0000	9490.0000	8270.0000		0.0000 ND		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	195.0000	129.0000	94.9000		0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.5400	0.5500	0.5300		0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		29500.0000	35200.0000	19100.0000		0.0000 ND		0.0000 ND
CHROMIUM, TOTAL	1.0000	7.0000		8.1000	9.2000	9.5000		0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		6.6000	6.7000	7.7000		0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		18.3000	15.8000	31.6000		4.0000		0.0000 ND
IRON	0.8000	7.0000		15000.0000	14700.0000	15400.0000		13.0000		1.6000
LEAD	3.0000	50.0000	400.0000	6.4000	6.6000	6.2000		0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		5520.0000	5810.0000	4760.0000		0.0000 ND		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	307.0000	305.0000	261.0000		0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	9.7000	9.6000	8.4000		0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		1470.0000	2020.0000	1890.0000		0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		628.0000	289.0000	191.0000		56.0000		4.7000
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	24.2000	34.9000	27.4000		0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	38.2000	39.8000	42.3000		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-254: Oil/Water Separator Building 20365
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-254-04-0610 Lab ID: P274682	Field ID: KAFB-254-99-0610 Lab ID: P274682	Field ID: KAFB-254-04-1115 Lab ID: P274684	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-254-06019 Lab ID: P274675	Ambient Blank Field ID: Lab ID:	Lab ID: P276188
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-254: Oil/Water Separator Building 20365
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-254-04-0610 Lab ID: P274682	Field ID: KAFB-254-99-0610 Lab ID: P274682	Field ID: KAFB-254-04-1115 Lab ID: P274684	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-254-06019 Lab ID: P274675	Ambient Blank Field ID: Lab ID:	Lab ID: P276084
DIESEL COMPONENTS	70.0000	10.0000		640.0000	740.0000	770.0000		0.0000 ND		0.0000 ND
PENTACOSANE	N/A	N/A		4500.0000	4180.0000	4130.0000		116.0000		3920.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-254: Oil/Water Separator Building 20365
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-254-04-0610 Lab ID: 0358490009SA	Field ID: KAFB-254-99-0610 Lab ID: 0358490009SA	Field ID: KAFB-254-04-1115 Lab ID: 0358490011MS	Trip Blank Field ID: KAFB-TB-01-060194 Lab ID: 0358490001TB	Equipment Blank Field ID: KAFB-EB-254-06019 Lab ID: 0358490002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0034	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0057	0.0050	35.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0057	0.0050	123.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0045	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0057	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0045	0.0050	7.6900	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		98.0000 %	100.0000 %	91.0000 %	93.0000 %	95.0000 %		
1,2-DICHLOROPROPANE	0.0034	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		97.0000 %	101.0000 %	98.0000 %	89.0000 %	91.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
2-HEXANONE	0.0110	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ACETONE	0.0110	0.1000	8000.000	0.0120	0.0094 TR	0.0000 ND	0.0000 ND	4.3000 TR		
BENZENE	0.0023	0.0050	24.1000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0023	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMOFORM	0.0057	0.0050	88.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0045	0.0100	32.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0057	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0034	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0023	N/A	2160.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROFORM	0.0023	0.0050		0.0000 ND	0.0000 ND	0.0017 TR	0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0068	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0045	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0023	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0034	0.0050	93.3000	0.0065	0.0054	0.0045	7.0000 =	6.4000		
STYRENE	0.0057	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0023	0.0050	800.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TOLUENE	0.0034	0.0050	16000.00	0.0000 ND	0.0082	0.0000 ND	0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		95.0000 %	86.0000 %	94.0000 %	99.0000 %	98.0000 %		
TRICHLOROETHYLENE (TCE)	0.0034	0.0050	63.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0079	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0045	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0057	0.0050	160000.0	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0057	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0057	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0034	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-254: Oil/Water Separator Building 20365
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-254-04-0610 Lab ID: P274682	Field ID: KAFB-254-99-0610 Lab ID: P274682	Field ID: KAFB-254-04-1115 Lab ID: P274684	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-254-06019 Lab ID: P274675	Ambient Blank Field ID: Lab ID:	Lab ID: P276088
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		85.0000	85.0000	70.0000		150.0000		60.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		45.0000	42.0000	41.0000		70.0000		32.0000
2-FLUOROPHENOL	N/A	N/A		80.0000	75.0000	65.0000		100.0000		60.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-254: Oil/Water Separator Building 20365
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-254-04-0610 Lab ID: P274682	Field ID: KAFB-254-99-0610 Lab ID: P274682	Field ID: KAFB-254-04-1115 Lab ID: P274684	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-254-06019 Lab ID: P274675	Ambient Blank Field ID: Lab ID:	Lab ID: P276088
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	380.0000	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		44.0000	42.0000	41.0000		75.0000		32.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	220.0000	0.0000 ND	240.0000		0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		90.0000	90.0000	85.0000		70.0000		65.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		48.0000	46.0000	44.0000		70.0000		34.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	100.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-254: Oil/Water Separator Building 20365
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-254-04-0610 Lab ID: P274682	Field ID: KAFB-254-99-0610 Lab ID: P274682	Field ID: KAFB-254-04-1115 Lab ID: P274684	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.6000	8.6000	8.6000				
pH	N/A	N/A		8.6000						

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-254: Oil/Water Separator Building 20365
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-254-05-0608 Lab ID: 0358490012SA	Field ID: KAFB-254-05-1113 Lab ID: 0358490013SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		11.0000	10.0000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-254: Oil/Water Separator Building 20365
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-254-05-0608 Lab ID: 0358490012SA	Field ID: KAFB-254-05-1113 Lab ID: 0358490013SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-254-06019 Lab ID: 0358490002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		83.0000 %	77.0000 %			98.0000 %		
BENZENE	0.0280	N/A	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0280	N/A	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
GASOLINE COMPONENTS	0.5600	N/A		0.0000 ND	0.0000 ND			6.1000 TR		
TOLUENE	0.0280	N/A	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0280	N/A	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-254: Oil/Water Separator Building 20365
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-254-05-0608 Lab ID: P274685	Field ID: KAFB-254-05-1113 Lab ID: P274686	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-254-06019 Lab ID: P274675	Ambient Blank Field ID: Lab ID:	Lab ID: P276194
ALUMINUM	2.0000	50.0000		7570.0000	8750.0000			0.0000 ND		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	85.9000	106.0000			0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.4400	0.5900			0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		53500.0000	28800.0000			0.0000 ND		0.0000 ND
CHROMIUM, TOTAL	1.0000	7.0000		7.2000	10.1000			0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		6.8000	7.0000			0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		28.3000	39.9000			4.0000		0.0000 ND
IRON	0.8000	7.0000		11600.0000	14500.0000			13.0000		1.6000
LEAD	3.0000	50.0000	400.0000	8.1000	8.2000			0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		5460.0000	5250.0000			0.0000 ND		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	252.0000	283.0000			0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	8.0000	9.7000			0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		1760.0000	1930.0000			0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		113.0000	123.0000			56.0000		4.7000
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	30.4000	24.7000			0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	40.4000	44.6000			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-254: Oil/Water Separator Building 20365
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-254-05-0608 Lab ID: P274685	Field ID: KAFB-254-05-1113 Lab ID: P274686	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-254-06019 Lab ID: P274675	Ambient Blank Field ID: Lab ID:	Lab ID: P276188
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-254: Oil/Water Separator Building 20365
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-254-05-0608 Lab ID: P274685	Field ID: KAFB-254-05-1113 Lab ID: P274686	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-254-06019 Lab ID: P274675	Ambient Blank Field ID: Lab ID:	Lab ID: P276086
DIESEL COMPONENTS	70.0000	10.0000		550.0000	590.0000			0.0000 ND		0.0000 ND
PENTACOSANE	N/A	N/A		4120.0000	4050.0000			116.0000		3900.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-254: Oil/Water Separator Building 20365
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-254-05-0608 Lab ID: 0358490012SA	Field ID: KAFB-254-05-1113 Lab ID: 0358490013SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-060194 Lab ID: 0358490001TB	Equipment Blank Field ID: KAFB-EB-254-06019 Lab ID: 0358490002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0034	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0056	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0056	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0045	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0056	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0045	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		100.0000 %	98.0000 %		93.0000 %	95.0000 %		
1,2-DICHLOROPROPANE	0.0034	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		98.0000 %	96.0000 %		89.0000 %	91.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ACETONE	0.0110	0.1000	8000.000	0.0120	0.0100 TR		0.0000 ND	4.3000 TR		
BENZENE	0.0022	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0022	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0056	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0045	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0056	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0034	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0022	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0022	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0067	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0045	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0022	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0034	0.0050	93.3000	0.0058	0.0064		7.0000 =	6.4000		
STYRENE	0.0056	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0022	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0034	0.0050	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		99.0000 %	96.0000 %		99.0000 %	98.0000 %		
TRICHLOROETHYLENE (TCE)	0.0034	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0078	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0045	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0056	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0056	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0056	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0034	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-254: Oil/Water Separator Building 20365
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-254-05-0608 Lab ID: P274685	Field ID: KAFB-254-05-1113 Lab ID: P274686	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-254-06019 Lab ID: P274675	Ambient Blank Field ID: Lab ID:	Lab ID: P276088
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		85.0000	75.0000			150.0000		60.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		44.0000	44.0000			70.0000		32.0000
2-FLUOROPHENOL	N/A	N/A		80.0000	75.0000			100.0000		60.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-254: Oil/Water Separator Building 20365
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-254-05-0608 Lab ID: P274685	Field ID: KAFB-254-05-1113 Lab ID: P274686	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-254-06019 Lab ID: P274675	Ambient Blank Field ID: Lab ID:	Lab ID: P276088
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	230.0000	450.0000			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		44.0000	44.0000			75.0000		32.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	300.0000	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		90.0000	90.0000			70.0000		65.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		47.0000	48.0000			70.0000		34.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	100.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-254: Oil/Water Separator Building 20365
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-254-05-0608 Lab ID: P274685	Field ID: KAFB-254-05-1113 Lab ID: P274686	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.4000	8.3000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-255: Oil/Water Separator Building 20375
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-255-01-0305 Lab ID: 0365800011SA	Field ID: KAFB-255-01-0812 Lab ID: 0365800012SA	Field ID: KAFB-255-99-0812 Lab ID: 0365800012SA	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		8.6000	9.8000	13.0000				
MOISTURE, PERCENT	N/A	N/A		9.8000						

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-255: Oil/Water Separator Building 20375
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: *Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-255-01-0305 Lab ID: P278061	Field ID: KAFB-255-01-0812 Lab ID: P278062	Field ID: KAFB-255-99-0812 Lab ID: P278062	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-257-06299 Lab ID: P278052	Ambient Blank Field ID: Lab ID:	Lab ID:
ALUMINUM	2.0000	50.0000		4010.0000	5380.0000	8160.0000		0.0000 ND		
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
BARIUM	0.2000	2.0000	5600.000	685.0000	145.0000	120.0000		0.0000 ND		
BERYLLIUM	0.2000	0.3000	16.3000	0.3300	0.4200	0.6500		0.0000 ND		
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.5200	0.0000 ND		0.0000 ND		
CALCIUM	2.0000	10.0000		174000.0000	21400.0000	26000.0000		75.0000		
CHROMIUM, TOTAL	1.0000	7.0000		4.2000	6.4000	9.1000		0.0000 ND		
COBALT	1.0000	7.0000		2.9000	6.0000	6.5000		0.0000 ND		
COPPER	0.1000	6.0000		19.0000	35.4000	59.4000		23.0000		
IRON	0.8000	7.0000		4330.0000	10700.0000	12800.0000		17.0000		
LEAD	3.0000	50.0000	400.0000	8.4000	3.5000	5.7000		0.0000 ND		
MAGNESIUM	3.0000	30.0000		4700.0000	4240.0000	4860.0000		0.0000 ND		
MANGANESE	0.3000	2.0000	400.0000	55.5000	236.0000	277.0000		0.0000 ND		
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
NICKEL	3.0000	15.0000	1600.000	4.1000	5.6000	9.6000		52.0000		
POTASSIUM	20.0000	500.0000		563.0000	1290.0000	1740.0000		0.0000 ND		
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
SODIUM	3.0000	30.0000		121.0000	184.0000	372.0000		30.0000		
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
VANADIUM	0.4000	8.0000	720.0000	14.6000	28.3000	29.6000		0.0000 ND		
ZINC	0.7000	2.0000	24000.00	18.0000	39.7000	49.0000		0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-255: Oil/Water Separator Building 20375
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-255-01-0305 Lab ID: P278061	Field ID: KAFB-255-01-0812 Lab ID: P278062	Field ID: KAFB-255-99-0812 Lab ID: P278062	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-257-06299 Lab ID: P278052	Ambient Blank Field ID: Lab ID:	Lab ID:
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND	0.0000 ND		0.2700		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-255: Oil/Water Separator Building 20375
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-255-01-0305 Lab ID:	Field ID: KAFB-255-01-0812 Lab ID:	Field ID: KAFB-255-99-0812 Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-257-06299 Lab ID: P278052	Ambient Blank Field ID: Lab ID:	Lab ID:
GASOLINE COMPONENTS	100.0000	1.0000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-255: Oil/Water Separator Building 20375
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-255-01-0305 Lab ID: P278061	Field ID: KAFB-255-01-0812 Lab ID: P278062	Field ID: KAFB-255-99-0812 Lab ID: P278062	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-257-06299 Lab ID: P278052	Ambient Blank Field ID: Lab ID:	Lab ID:
DIESEL COMPONENTS	350.0000	10.0000		0.0000 ND	590.0000	180.0000		0.0000 ND		
PENTACOSANE	N/A	N/A		3250.0000	3330.0000	1920.0000		104.0000		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-255: Oil/Water Separator Building 20375
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-255-01-0305 Lab ID: 0365800011SA	Field ID: KAFB-255-01-0812 Lab ID: 0365800012SA	Field ID: KAFB-255-99-0812 Lab ID: 0365800012SA	Trip Blank Field ID: KAFB-TB-01-062994 Lab ID: 0365800001TB	Equipment Blank Field ID: KAFB-EB-257-06299 Lab ID: 0365800002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0033	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0055	0.0050	35.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0055	0.0050	123.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0044	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0055	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0044	0.0050	7.6900	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		104.0000 %	104.0000 %	106.0000 %	105.0000 %	106.0000 %		
1,2-DICHLOROPROPANE	0.0033	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		94.0000 %	98.0000 %	99.0000 %	106.0000 %	104.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
2-HEXANONE	0.0110	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ACETONE	0.0110	0.1000	8000.000	0.0000 ND	0.0021 TR	0.0000 ND	0.0000 ND	5.9000 TR		
BENZENE	0.0022	0.0050	24.1000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0022	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMOFORM	0.0055	0.0050	88.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0044	0.0100	32.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0055	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0033	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0022	N/A	2160.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROFORM	0.0022	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0066	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0044	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0022	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0033	0.0050	93.3000	0.0059	0.0060	0.0099	5.7000 =	6.1000		
STYRENE	0.0055	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0022	0.0050	800.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TOLUENE	0.0033	0.0050	16000.00	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		98.0000 %	98.0000 %	95.0000 %	103.0000 %	103.0000 %		
TRICHLOROETHYLENE (TCE)	0.0033	0.0050	63.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0077	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0044	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0055	0.0050	160000.0	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0055	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0055	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0033	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-255: Oil/Water Separator Building 20375
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-255-01-0305 Lab ID: P278061	Field ID: KAFB-255-01-0812 Lab ID: P278062	Field ID: KAFB-255-99-0812 Lab ID: P278062	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-257-06299 Lab ID: P278052	Ambient Blank Field ID: Lab ID:	Lab ID:
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2,4,6-TRIBROMOPHENOL	N/A	N/A		85.0000	70.0000	65.0000		70.0000		
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2-FLUOROBIPHENYL	N/A	N/A		46.0000	43.0000	43.0000		35.0000		
2-FLUOROPHENOL	N/A	N/A		85.0000	80.0000	80.0000		35.0000		
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-255: Oil/Water Separator Building 20375
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-255-01-0305 Lab ID: P278061	Field ID: KAFB-255-01-0812 Lab ID: P278062	Field ID: KAFB-255-99-0812 Lab ID: P278062	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-257-06299 Lab ID: P278052	Ambient Blank Field ID: Lab ID:	Lab ID:
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
NITROBENZENE-D5	N/A	0.7000		44.0000	42.0000	42.0000		35.0000		
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
PHENOL-D5	N/A	N/A		80.0000	75.0000	75.0000		26.0000		
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
TERPHENYL-D14	N/A	N/A		41.0000	45.0000	46.0000		40.0000		
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-255: Oil/Water Separator Building 20375
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-255-01-0305 Lab ID: P278061	Field ID: KAFB-255-01-0812 Lab ID: P278062	Field ID: KAFB-255-99-0812 Lab ID: P278062	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.0000	8.5000	8.9000				

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-255: Oil/Water Separator Building 20375
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-255-02-0305 Lab ID: 0365800014SA	Field ID: KAFB-255-02-0810 Lab ID: 0365800015SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		14.0000	6.8000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-255: Oil/Water Separator Building 20375
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-255-02-0305 Lab ID: P278064	Field ID: KAFB-255-02-0810 Lab ID: P278065	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-257-06299 Lab ID: P278052	Ambient Blank Field ID: Lab ID:	Lab ID:
ALUMINUM	2.0000	50.0000		5630.0000	5900.0000			0.0000 ND		
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		
BARIUM	0.2000	2.0000	5600.000	562.0000	111.0000			0.0000 ND		
BERYLLIUM	0.2000	0.3000	16.3000	0.4600	0.4300			0.0000 ND		
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND			0.0000 ND		
CALCIUM	2.0000	10.0000		187000.0000	28200.0000			75.0000		
CHROMIUM, TOTAL	1.0000	7.0000		5.3000	6.4000			0.0000 ND		
COBALT	1.0000	7.0000		3.9000	5.2000			0.0000 ND		
COPPER	0.1000	6.0000		22.1000	24.2000			23.0000		
IRON	0.8000	7.0000		5640.0000	9700.0000			17.0000		
LEAD	3.0000	50.0000	400.0000	5.7000	6.4000			0.0000 ND		
MAGNESIUM	3.0000	30.0000		8740.0000	4180.0000			0.0000 ND		
MANGANESE	0.3000	2.0000	400.0000	67.0000	179.0000			0.0000 ND		
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		
NICKEL	3.0000	15.0000	1600.000	4.6000	6.6000			52.0000		
POTASSIUM	20.0000	500.0000		588.0000	1130.0000			0.0000 ND		
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		
SODIUM	3.0000	30.0000		146.0000	205.0000			30.0000		
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		
VANADIUM	0.4000	8.0000	720.0000	20.7000	27.9000			0.0000 ND		
ZINC	0.7000	2.0000	24000.00	19.8000	30.6000			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-255: Oil/Water Separator Building 20375
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-255-02-0305 Lab ID: P278064	Field ID: KAFB-255-02-0810 Lab ID: P278065	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-257-06299 Lab ID: P278052	Ambient Blank Field ID: Lab ID:	Lab ID:
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.2700		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-255: Oil/Water Separator Building 20375
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-255-02-0305 Lab ID:	Field ID: KAFB-255-02-0810 Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-257-06299 Lab ID: P278052	Ambient Blank Field ID: Lab ID:	Lab ID:
GASOLINE COMPONENTS	100.0000	1.0000		0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-255: Oil/Water Separator Building 20375
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-255-02-0305 Lab ID: P278064	Field ID: KAFB-255-02-0810 Lab ID: P278065	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-257-06299 Lab ID: P278052	Ambient Blank Field ID: Lab ID:	Lab ID:
DIESEL COMPONENTS	700.0000	10.0000		0.0000 ND	110.0000			0.0000 ND		
PENTACOSANE	N/A	N/A		3850.0000	2830.0000			104.0000		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-255: Oil/Water Separator Building 20375
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-255-02-0305 Lab ID: 0365800014SA	Field ID: KAFB-255-02-0810 Lab ID: 0365800015SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-062994 Lab ID: 0365800001TB	Equipment Blank Field ID: KAFB-EB-257-06299 Lab ID: 0365800002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0035	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0058	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0058	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0047	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0058	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0047	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		109.0000 %	119.0000 %		105.0000 %	106.0000 %		
1,2-DICHLOROPROPANE	0.0035	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		91.0000 %	102.0000 %		106.0000 %	104.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0120	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0120	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ACETONE	0.0120	0.1000	8000.000	0.0066 TR	0.0160		0.0000 ND	5.9000 TR		
BENZENE	0.0023	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0023	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0058	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0047	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0058	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0035	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0023	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0120	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0023	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0070	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0047	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0023	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0120	0.1000	48000.00	0.0000 ND	0.0040 TR		0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0120	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0035	0.0050	93.3000	0.0063	0.0064		5.7000 =	6.1000		
STYRENE	0.0058	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0023	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0035	0.0050	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		95.0000 %	113.0000 %		103.0000 %	103.0000 %		
TRICHLOROETHYLENE (TCE)	0.0035	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0082	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0047	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0058	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0058	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0058	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0035	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-255: Oil/Water Separator Building 20375
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-255-02-0305 Lab ID: P278064	Field ID: KAFB-255-02-0810 Lab ID: P278065	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-257-06299 Lab ID: P278052	Ambient Blank Field ID: Lab ID:	Lab ID:
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4,6-TRIBROMOPHENOL	N/A	N/A		80.0000	100.0000			70.0000		
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2-FLUOROBIPHENYL	N/A	N/A		43.0000	46.0000			35.0000		
2-FLUOROPHENOL	N/A	N/A		85.0000	70.0000			35.0000		
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-255: Oil/Water Separator Building 20375
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-255-02-0305 Lab ID: P278064	Field ID: KAFB-255-02-0810 Lab ID: P278065	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-257-06299 Lab ID: P278052	Ambient Blank Field ID: Lab ID:	Lab ID:
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND			0.0000 ND		
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
NITROBENZENE-D5	N/A	0.7000		42.0000	40.0000			35.0000		
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	180.0000			0.0000 ND		
PHENOL-D5	N/A	N/A		75.0000	80.0000			26.0000		
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		
TERPHENYL-D14	N/A	N/A		32.0000	50.0000			40.0000		
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-255: Oil/Water Separator Building 20375
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-255-02-0305 Lab ID: P278064	Field ID: KAFB-255-02-0810 Lab ID: P278065	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.1000	8.4000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-256: Oil/Water Separator Building 20375
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-256-01-0305 Lab ID: 0365800007SA	Field ID: KAFB-256-01-0810 Lab ID: 0365800008SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		12.0000	9.0000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-256: Oil/Water Separator Building 20375
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-256-01-0305 Lab ID: P278057	Field ID: KAFB-256-01-0810 Lab ID: P278058	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-257-06299 Lab ID: P278052	Ambient Blank Field ID: Lab ID:	Lab ID:
ALUMINUM	2.0000	50.0000		8910.0000	8370.0000			0.0000 ND		
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		
BARIUM	0.2000	2.0000	5600.000	466.0000	255.0000			0.0000 ND		
BERYLLIUM	0.2000	0.3000	16.3000	0.5800	0.5500			0.0000 ND		
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND			0.0000 ND		
CALCIUM	2.0000	10.0000		129000.0000	52400.0000			75.0000		
CHROMIUM, TOTAL	1.0000	7.0000		7.4000	8.4000			0.0000 ND		
COBALT	1.0000	7.0000		4.2000	5.9000			0.0000 ND		
COPPER	0.1000	6.0000		18.9000	16.0000			23.0000		
IRON	0.8000	7.0000		8900.0000	11500.0000			17.0000		
LEAD	3.0000	50.0000	400.0000	4.2000	0.0000 ND			0.0000 ND		
MAGNESIUM	3.0000	30.0000		8180.0000	5210.0000			0.0000 ND		
MANGANESE	0.3000	2.0000	400.0000	124.0000	174.0000			0.0000 ND		
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		
NICKEL	3.0000	15.0000	1600.000	5.1000	4.3000			52.0000		
POTASSIUM	20.0000	500.0000		1270.0000	1430.0000			0.0000 ND		
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		
SODIUM	3.0000	30.0000		145.0000	344.0000			30.0000		
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		
VANADIUM	0.4000	8.0000	720.0000	43.2000	31.2000			0.0000 ND		
ZINC	0.7000	2.0000	24000.00	24.3000	30.7000			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-256: Oil/Water Separator Building 20375
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-256-01-0305 Lab ID: P278057	Field ID: KAFB-256-01-0810 Lab ID: P278058	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-257-06299 Lab ID: P278052	Ambient Blank Field ID: Lab ID:	Lab ID:
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.2700		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-256: Oil/Water Separator Building 20375
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-256-01-0305 Lab ID:	Field ID: KAFB-256-01-0810 Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-062994 Lab ID: 0365800001TB	Equipment Blank Field ID: KAFB-EB-257-06299 Lab ID: 0365800002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		201.0000	203.0000		106.0000 %	104.0000 %		
GASOLINE COMPONENTS	200.0000	1.0000		0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-256: Oil/Water Separator Building 20375
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-256-01-0305 Lab ID: P278057	Field ID: KAFB-256-01-0810 Lab ID: P278058	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-257-06299 Lab ID: P278052	Ambient Blank Field ID: Lab ID:	Lab ID:
DIESEL COMPONENTS	70.0000	10.0000		580.0000	970.0000			0.0000 ND		
PENTACOSANE	N/A	N/A		3030.0000	3079.0000			104.0000		

Base: KIRTLAND AFB
Site: ST-256: Oil/Water Separator Building 20375
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

ANALYTCAL DATA SUMMARY

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-256-01-0305 Lab ID: 0365800007SA	Field ID: KAFB-256-01-0810 Lab ID: 0365800008SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-062994 Lab ID: 0365800001TB	Equipment Blank Field ID: KAFB-EB-257-06299 Lab ID: 0365800002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0034	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0057	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0057	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0045	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0057	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0045	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		102.0000 %	104.0000 %		105.0000 %	106.0000 %		
1,2-DICHLOROPROPANE	0.0034	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		101.0000 %	97.0000 %		106.0000 %	104.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ACETONE	0.0110	0.1000	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	5.9000 TR		
BENZENE	0.0023	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0023	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0057	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0045	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0057	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0034	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0023	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0023	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0068	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0045	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0023	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0034	0.0050	93.3000	0.0067	0.0060		5.7000 =	6.1000		
STYRENE	0.0057	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0023	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0034	0.0050	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		96.0000 %	95.0000 %		103.0000 %	103.0000 %		
TRICHLOROETHYLENE (TCE)	0.0034	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0079	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0045	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0057	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0057	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0057	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0034	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-256: Oil/Water Separator Building 20375
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-256-01-0305 Lab ID: P278057	Field ID: KAFB-256-01-0810 Lab ID: P278058	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-257-06299 Lab ID: P278052	Ambient Blank Field ID: Lab ID:	Lab ID:
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4,6-TRIBROMOPHENOL	N/A	N/A		77.0000	70.0000			70.0000		
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2-FLUOROBIPHENYL	N/A	N/A		42.0000	40.0000			35.0000		
2-FLUOROPHENOL	N/A	N/A		83.0000	77.0000			35.0000		
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-256: Oil/Water Separator Building 20375
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-256-01-0305 Lab ID: P278057	Field ID: KAFB-256-01-0810 Lab ID: P278058	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-257-06299 Lab ID: P278052	Ambient Blank Field ID: Lab ID:	Lab ID:
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND			0.0000 ND		
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
NITROBENZENE-D5	N/A	0.7000		42.0000	40.0000			35.0000		
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	0.0000 ND			0.0000 ND		
PHENOL-D5	N/A	N/A		78.0000	72.0000			26.0000		
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		
TERPHENYL-D14	N/A	N/A		41.0000	42.0000			40.0000		
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-256: Oil/Water Separator Building 20375
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-256-01-0305 Lab ID: P278057	Field ID: KAFB-256-01-0810 Lab ID: P278058	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.3000	8.7000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-256: Oil/Water Separator Building 20375
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-256-02-0305 Lab ID: 0365800009SA	Field ID: KAFB-256-02-0810 Lab ID: 0365800010SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		11.0000	9.4000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-256: Oil/Water Separator Building 20375
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-256-02-0305 Lab ID: P278059	Field ID: KAFB-256-02-0810 Lab ID: P278060	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-257-06299 Lab ID: P278052	Ambient Blank Field ID: Lab ID:	Lab ID:
ALUMINUM	2.0000	50.0000		7400.0000	9720.0000			0.0000 ND		
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		
BARIUM	0.2000	2.0000	5600.000	518.0000	146.0000			0.0000 ND		
BERYLLIUM	0.2000	0.3000	16.3000	0.5600	0.5700			0.0000 ND		
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.9200			0.0000 ND		
CALCIUM	2.0000	10.0000		101000.0000	38900.0000			75.0000		
CHROMIUM, TOTAL	1.0000	7.0000		7.0000	9.6000			0.0000 ND		
COBALT	1.0000	7.0000		3.7000	7.9000			0.0000 ND		
COPPER	0.1000	6.0000		15.2000	30.8000			23.0000		
IRON	0.8000	7.0000		8190.0000	13800.0000			17.0000		
LEAD	3.0000	50.0000	400.0000	0.0000 ND	6.4000			0.0000 ND		
MAGNESIUM	3.0000	30.0000		6010.0000	7500.0000			0.0000 ND		
MANGANESE	0.3000	2.0000	400.0000	96.1000	332.0000			0.0000 ND		
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		
NICKEL	3.0000	15.0000	1600.000	6.4000	13.0000			52.0000		
POTASSIUM	20.0000	500.0000		1020.0000	1820.0000			0.0000 ND		
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		
SODIUM	3.0000	30.0000		301.0000	642.0000			30.0000		
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		
VANADIUM	0.4000	8.0000	720.0000	32.4000	36.6000			0.0000 ND		
ZINC	0.7000	2.0000	24000.00	21.6000	50.4000			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-256: Oil/Water Separator Building 20375
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-256-02-0305 Lab ID: P278059	Field ID: KAFB-256-02-0810 Lab ID: P278060	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-257-06299 Lab ID: P278052	Ambient Blank Field ID: Lab ID:	Lab ID:
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.2700		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-256: Oil/Water Separator Building 20375
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-256-02-0305 Lab ID:	Field ID: KAFB-256-02-0810 Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-062994 Lab ID: 0365800001TB	Equipment Blank Field ID: KAFB-EB-257-06299 Lab ID: 0365800002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		211.0000	190.0000		106.0000 %	104.0000 %		
GASOLINE COMPONENTS	200.0000	1.0000		0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-256: Oil/Water Separator Building 20375
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-256-02-0305 Lab ID: P278059	Field ID: KAFB-256-02-0810 Lab ID: P278060	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-257-06299 Lab ID: P278052	Ambient Blank Field ID: Lab ID:	Lab ID:
DIESEL COMPONENTS	70.0000	10.0000		900.0000	650.0000			0.0000 ND		
PENTACOSANE	N/A	N/A		3170.0000	3310.0000			104.0000		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-256: Oil/Water Separator Building 20375
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-256-02-0305 Lab ID: 0365800009SA	Field ID: KAFB-256-02-0810 Lab ID: 0365800010SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-062994 Lab ID: 0365800001TB	Equipment Blank Field ID: KAFB-EB-257-06299 Lab ID: 0365800002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0034	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0056	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0056	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0045	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0056	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0045	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		106.0000 %	106.0000 %		105.0000 %	106.0000 %		
1,2-DICHLOROPROPANE	0.0034	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		92.0000 %	100.0000 %		106.0000 %	104.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ACETONE	0.0110	0.1000	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	5.9000 TR		
BENZENE	0.0022	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0022	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0056	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0045	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0056	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0034	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0022	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0022	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0067	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0045	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0022	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0034	0.0050	93.3000	0.0058	0.0066		5.7000 =	6.1000		
STYRENE	0.0056	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0022	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0034	0.0050	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		100.0000 %	98.0000 %		103.0000 %	103.0000 %		
TRICHLOROETHYLENE (TCE)	0.0034	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0079	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0045	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0056	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0056	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0056	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0034	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-256: Oil/Water Separator Building 20375
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-256-02-0305 Lab ID: P278059	Field ID: KAFB-256-02-0810 Lab ID: P278060	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-257-06299 Lab ID: P278052	Ambient Blank Field ID: Lab ID:	Lab ID:
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4,6-TRIBROMOPHENOL	N/A	N/A		77.0000	76.0000			70.0000		
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2-FLUOROBIPHENYL	N/A	N/A		42.0000	45.0000			35.0000		
2-FLUOROPHENOL	N/A	N/A		84.0000	84.0000			35.0000		
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-256: Oil/Water Separator Building 20375
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-256-02-0305 Lab ID: P278059	Field ID: KAFB-256-02-0810 Lab ID: P278060	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-257-06299 Lab ID: P278052	Ambient Blank Field ID: Lab ID:	Lab ID:
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND			0.0000 ND		
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
NITROBENZENE-D5	N/A	0.7000		42.0000	44.0000			35.0000		
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	0.0000 ND			0.0000 ND		
PHENOL-D5	N/A	N/A		78.0000	80.0000			26.0000		
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		
TERPHENYL-D14	N/A	N/A		44.0000	46.0000			40.0000		
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-256: Oil/Water Separator Building 20375
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-256-02-0305 Lab ID: P278059	Field ID: KAFB-256-02-0810 Lab ID: P278060	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.2000	8.4000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-257: Oil/Water Separator Building 20375
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-257-01-0305 Lab ID: 0365610014SA	Field ID: KAFB-257-01-0812 Lab ID: 0365610015SA	Field ID: KAFB-257-99-0812 Lab ID: 0365610015SA	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		16.0000	14.0000	21.0000				

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-257: Oil/Water Separator Building 20375
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-257-01-0305 Lab ID: P277997	Field ID: KAFB-257-01-0812 Lab ID: P277998	Field ID: KAFB-257-99-0812 Lab ID: P277998	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-265-06289 Lab ID: P277985	Ambient Blank Field ID: Lab ID:	Lab ID:
ALUMINUM	2.0000	50.0000		8460.0000	13100.0000	15000.0000		59.0000		
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
BARIUM	0.2000	2.0000	5600.000	130.0000	142.0000	122.0000		2.0000		
BERYLLIUM	0.2000	0.3000	16.3000	0.4800	0.9200	1.0000		0.0000 ND		
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.5800	0.8100		0.0000 ND		
CALCIUM	2.0000	10.0000		156000.0000	61300.0000	56200.0000		388.0000		
CHROMIUM, TOTAL	1.0000	7.0000		8.0000	14.9000	14.3000		0.0000 ND		
COBALT	1.0000	7.0000		5.2000	9.7000	9.8000		0.0000 ND		
COPPER	0.1000	6.0000		41.3000	23.5000	37.8000		6.0000		
IRON	0.8000	7.0000		9850.0000	19500.0000	19600.0000		72.0000		
LEAD	3.0000	50.0000	400.0000	5.6000	9.0000	9.0000		0.0000 ND		
MAGNESIUM	3.0000	30.0000		8080.0000	8560.0000	8210.0000		183.0000		
MANGANESE	0.3000	2.0000	400.0000	120.0000	406.0000	378.0000		0.0000 ND		
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
NICKEL	3.0000	15.0000	1600.000	7.8000	12.6000	15.8000		0.0000 ND		
POTASSIUM	20.0000	500.0000		967.0000	2610.0000	3080.0000		0.0000 ND		
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
SODIUM	3.0000	30.0000		136.0000	217.0000	379.0000		0.0000 ND		
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
VANADIUM	0.4000	8.0000	720.0000	48.0000	46.2000	41.8000		0.0000 ND		
ZINC	0.7000	2.0000	24000.00	31.8000	52.5000	60.9000		14.0000		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-257: Oil/Water Separator Building 20375
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-257-01-0305 Lab ID: P277997	Field ID: KAFB-257-01-0812 Lab ID: P277998	Field ID: KAFB-257-99-0812 Lab ID: P277998	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-265-06289 Lab ID: P277985	Ambient Blank Field ID: Lab ID:	Lab ID:
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-257: Oil/Water Separator Building 20375
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-257-01-0305 Lab ID:	Field ID: KAFB-257-01-0812 Lab ID:	Field ID: KAFB-257-99-0812 Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-265-06289 Lab ID: P277985	Ambient Blank Field ID: Lab ID:	Lab ID:
GASOLINE COMPONENTS	100.0000	1.0000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-257: Oil/Water Separator Building 20375
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-257-01-0305 Lab ID: P277997	Field ID: KAFB-257-01-0812 Lab ID: P277998	Field ID: KAFB-257-99-0812 Lab ID: P277998	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-265-06289 Lab ID: P277985	Ambient Blank Field ID: Lab ID:	Lab ID:
DIESEL COMPONENTS	70.0000	10.0000		1800.0000	690.0000	700.0000		0.0000 ND		
PENTACOSANE	N/A	N/A		3710.0000	3630.0000	3600.0000		107.0000		

Base: KIRTLAND AFB
Site: ST-257: Oil/Water Separator Building 20375
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

ANALYTCAL DATA SUMMARY

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-257-01-0305 Lab ID: 0365610014SA	Field ID: KAFB-257-01-0812 Lab ID: 0365610015MS	Field ID: KAFB-257-99-0812 Lab ID: 0365610015MS	Trip Blank Field ID: KAFB-TB-01-062894 Lab ID: 0365610001TB	Equipment Blank Field ID: KAFB-EB-265-06289 Lab ID: 0365610002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0036	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0059	0.0050	35.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0059	0.0050	123.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0048	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0059	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0048	0.0050	7.6900	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		102.0000 %	87.0000 %	111.0000 %	106.0000 %	108.0000 %		
1,2-DICHLOROPROPANE	0.0036	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		101.0000 %	99.0000 %	106.0000 %	100.0000 %	104.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0120	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
2-HEXANONE	0.0120	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ACETONE	0.0120	0.1000	8000.000	0.0000 ND	0.0000 ND	0.0130	0.0000 ND	2.7000 TR		
BENZENE	0.0024	0.0050	24.1000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0024	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMOFORM	0.0059	0.0050	88.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0048	0.0100	32.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0059	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0036	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0024	N/A	2160.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0120	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROFORM	0.0024	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0071	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0048	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0024	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0120	0.1000	48000.00	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0120	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0036	0.0050	93.3000	0.0086	0.0000 ND	0.0110	5.2000 =	5.4000		
STYRENE	0.0059	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0024	0.0050	800.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TOLUENE	0.0036	0.0050	16000.00	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		103.0000 %	98.0000 %	106.0000 %	98.0000 %	100.0000 %		
TRICHLOROETHYLENE (TCE)	0.0036	0.0050	63.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0083	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0048	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0059	0.0050	160000.0	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0059	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0059	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0036	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-257: Oil/Water Separator Building 20375
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-257-01-0305 Lab ID: P277997	Field ID: KAFB-257-01-0812 Lab ID: P277998	Field ID: KAFB-257-99-0812 Lab ID: P277998	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-265-06289 Lab ID: P277985	Ambient Blank Field ID: Lab ID:	Lab ID:
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2,4,6-TRIBROMOPHENOL	N/A	N/A		65.0000	70.0000	65.0000		97.0000		
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2-FLUOROBIPHENYL	N/A	N/A		35.0000	39.0000	37.0000		50.0000		
2-FLUOROPHENOL	N/A	N/A		65.0000	70.0000	65.0000		55.0000		
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-257: Oil/Water Separator Building 20375
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-257-01-0305 Lab ID: P277997	Field ID: KAFB-257-01-0812 Lab ID: P277998	Field ID: KAFB-257-99-0812 Lab ID: P277998	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-265-06289 Lab ID: P277985	Ambient Blank Field ID: Lab ID:	Lab ID:
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
NITROBENZENE-D5	N/A	0.7000		32.0000	36.0000	34.0000		55.0000		
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
PHENOL-D5	N/A	N/A		65.0000	75.0000	70.0000		40.0000		
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
TERPHENYL-D14	N/A	N/A		39.0000	42.0000	40.0000		55.0000		
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-257: Oil/Water Separator Building 20375
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-257-01-0305 Lab ID: P277997	Field ID: KAFB-257-01-0812 Lab ID: P277998	Field ID: KAFB-257-99-0812 Lab ID: P277998	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.2000	7.7000	7.9000				
pH	N/A	N/A		7.7000						

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-257: Oil/Water Separator Building 20375
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-257-02-0307 Lab ID: 0365800003SA	Field ID: Lab ID: 0365800003SA	Field ID: KAFB-257-02-0810 Lab ID: 0365800004SA	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		6.6000		12.0000				

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-257: Oil/Water Separator Building 20375
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: *Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-257-02-0307 Lab ID: P278053	Field ID: KAFB-257-02-0810 Lab ID: P278054	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-257-06299 Lab ID: P278052	Ambient Blank Field ID: Lab ID:	Lab ID:
ALUMINUM	2.0000	50.0000		7890.0000	6870.0000			0.0000 ND		
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		
BARIUM	0.2000	2.0000	5600.000	135.0000	158.0000			0.0000 ND		
BERYLLIUM	0.2000	0.3000	16.3000	0.5500	0.4400			0.0000 ND		
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.7600			0.0000 ND		
CALCIUM	2.0000	10.0000		106000.0000	59900.0000			75.0000		
CHROMIUM, TOTAL	1.0000	7.0000		7.3000	8.5000			0.0000 ND		
COBALT	1.0000	7.0000		5.7000	4.6000			0.0000 ND		
COPPER	0.1000	6.0000		16.5000	18.4000			23.0000		
IRON	0.8000	7.0000		8540.0000	9100.0000			17.0000		
LEAD	3.0000	50.0000	400.0000	0.0000 ND	3.5000			0.0000 ND		
MAGNESIUM	3.0000	30.0000		5510.0000	4760.0000			0.0000 ND		
MANGANESE	0.3000	2.0000	400.0000	90.7000	164.0000			0.0000 ND		
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		
NICKEL	3.0000	15.0000	1600.000	7.7000	9.3000			52.0000		
POTASSIUM	20.0000	500.0000		1010.0000	1080.0000			0.0000 ND		
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		
SODIUM	3.0000	30.0000		242.0000	555.0000			30.0000		
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		
VANADIUM	0.4000	8.0000	720.0000	32.3000	21.3000			0.0000 ND		
ZINC	0.7000	2.0000	24000.00	21.9000	30.3000			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-257: Oil/Water Separator Building 20375
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-257-02-0307 Lab ID: P278053	Field ID: KAFB-257-02-0810 Lab ID: P278054	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-257-06299 Lab ID: P278052	Ambient Blank Field ID: Lab ID:	Lab ID:
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.2700		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-257: Oil/Water Separator Building 20375
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-257-02-0307 Lab ID:	Field ID: KAFB-257-02-0810 Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-062994 Lab ID: 0365800001TB	Equipment Blank Field ID: KAFB-EB-257-06299 Lab ID: 0365800002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		189.0000	226.0000		106.0000 %	104.0000 %		
GASOLINE COMPONENTS	200.0000	1.0000		0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-257: Oil/Water Separator Building 20375
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-257-02-0307 Lab ID: P278053	Field ID: KAFB-257-02-0810 Lab ID: P278054	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-257-06299 Lab ID: P278052	Ambient Blank Field ID: Lab ID:	Lab ID:
DIESEL COMPONENTS	70.0000	10.0000		410.0000	1200.0000			0.0000 ND		
PENTACOSANE	N/A	N/A		1700.0000	3340.0000			104.0000		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-257: Oil/Water Separator Building 20375
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-257-02-0307 Lab ID: 0365800003MS	Field ID: KAFB-257-02-0810 Lab ID: 0365800004SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-062994 Lab ID: 0365800001TB	Equipment Blank Field ID: KAFB-EB-257-06299 Lab ID: 0365800002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0032	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0054	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0054	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0043	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0054	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0043	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		99.0000 %	105.0000 %		105.0000 %	106.0000 %		
1,2-DICHLOROPROPANE	0.0032	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		105.0000 %	101.0000 %		106.0000 %	104.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ACETONE	0.0110	0.1000	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	5.9000 TR		
BENZENE	0.0021	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0021	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0054	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0043	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0054	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0032	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0021	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0021	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0064	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0043	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0021	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0032	0.0050	93.3000	0.0066	0.0063		5.7000 =	6.1000		
STYRENE	0.0054	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0021	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0032	0.0050	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		104.0000 %	95.0000 %		103.0000 %	103.0000 %		
TRICHLOROETHYLENE (TCE)	0.0032	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0075	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0043	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0054	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0054	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0054	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0032	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-257: Oil/Water Separator Building 20375
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-257-02-0307 Lab ID: P278053	Field ID: KAFB-257-02-0810 Lab ID: P278054	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-257-06299 Lab ID: P278052	Ambient Blank Field ID: Lab ID:	Lab ID:
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4,6-TRIBROMOPHENOL	N/A	N/A		100.0000	80.0000			70.0000		
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2-FLUOROBIPHENYL	N/A	N/A		55.0000	44.0000			35.0000		
2-FLUOROPHENOL	N/A	N/A		105.0000	85.0000			35.0000		
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-257: Oil/Water Separator Building 20375
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-257-02-0307 Lab ID: P278053	Field ID: KAFB-257-02-0810 Lab ID: P278054	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-257-06299 Lab ID: P278052	Ambient Blank Field ID: Lab ID:	Lab ID:
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND			0.0000 ND		
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
NITROBENZENE-D5	N/A	0.7000		50.0000	44.0000			35.0000		
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	0.0000 ND			0.0000 ND		
PHENOL-D5	N/A	N/A		95.0000	80.0000			26.0000		
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		
TERPHENYL-D14	N/A	N/A		55.0000	46.0000			40.0000		
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-257: Oil/Water Separator Building 20375
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-257-02-0307 Lab ID: P278053	Field ID: Lab ID: P278053	Field ID: KAFB-257-02-0810 Lab ID: P278054	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.6000		7.8000				

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-257: Oil/Water Separator Building 20375
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-257-03-0305 Lab ID: 0365800005SA	Field ID: KAFB-257-03-0810 Lab ID: 0365800006SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		6.7000	5.5000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-257: Oil/Water Separator Building 20375
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-257-03-0305 Lab ID: P278055	Field ID: KAFB-257-03-0810 Lab ID: P278056	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-257-06299 Lab ID: P278052	Ambient Blank Field ID: Lab ID:	Lab ID:
ALUMINUM	2.0000	50.0000		5490.0000	7710.0000			0.0000 ND		
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		
BARIUM	0.2000	2.0000	5600.000	168.0000	101.0000			0.0000 ND		
BERYLLIUM	0.2000	0.3000	16.3000	0.3200	0.4300			0.0000 ND		
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	1.2000			0.0000 ND		
CALCIUM	2.0000	10.0000		45400.0000	54000.0000			75.0000		
CHROMIUM, TOTAL	1.0000	7.0000		5.0000	7.6000			0.0000 ND		
COBALT	1.0000	7.0000		4.8000	6.4000			0.0000 ND		
COPPER	0.1000	6.0000		18.0000	15.0000			23.0000		
IRON	0.8000	7.0000		7910.0000	10600.0000			17.0000		
LEAD	3.0000	50.0000	400.0000	4.8000	5.5000			0.0000 ND		
MAGNESIUM	3.0000	30.0000		3200.0000	5440.0000			0.0000 ND		
MANGANESE	0.3000	2.0000	400.0000	92.1000	202.0000			0.0000 ND		
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		
NICKEL	3.0000	15.0000	1600.000	5.4000	8.3000			52.0000		
POTASSIUM	20.0000	500.0000		837.0000	1340.0000			0.0000 ND		
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		
SODIUM	3.0000	30.0000		154.0000	428.0000			30.0000		
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		
VANADIUM	0.4000	8.0000	720.0000	20.8000	24.5000			0.0000 ND		
ZINC	0.7000	2.0000	24000.00	21.2000	33.0000			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-257: Oil/Water Separator Building 20375
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-257-03-0305 Lab ID: P278055	Field ID: KAFB-257-03-0810 Lab ID: P278056	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-257-06299 Lab ID: P278052	Ambient Blank Field ID: Lab ID:	Lab ID:
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.2700		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-257: Oil/Water Separator Building 20375
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-257-03-0305 Lab ID:	Field ID: KAFB-257-03-0810 Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-062994 Lab ID: 0365800001TB	Equipment Blank Field ID: KAFB-EB-257-06299 Lab ID: 0365800002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		213.0000	213.0000		106.0000 %	104.0000 %		
GASOLINE COMPONENTS	200.0000	1.0000		0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-257: Oil/Water Separator Building 20375
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-257-03-0305 Lab ID: P278055	Field ID: KAFB-257-03-0810 Lab ID: P278056	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-257-06299 Lab ID: P278052	Ambient Blank Field ID: Lab ID:	Lab ID:
DIESEL COMPONENTS	70.0000	10.0000		570.0000	220.0000			0.0000 ND		
PENTACOSANE	N/A	N/A		3130.0000	3010.0000			104.0000		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-257: Oil/Water Separator Building 20375
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-257-03-0305 Lab ID: 0365800005SA	Field ID: KAFB-257-03-0810 Lab ID: 0365800006SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-062994 Lab ID: 0365800001TB	Equipment Blank Field ID: KAFB-EB-257-06299 Lab ID: 0365800002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0032	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0054	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0054	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0043	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0054	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0043	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		105.0000 %	103.0000 %		105.0000 %	106.0000 %		
1,2-DICHLOROPROPANE	0.0032	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		98.0000 %	97.0000 %		106.0000 %	104.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ACETONE	0.0110	0.1000	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	5.9000 TR		
BENZENE	0.0021	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0021	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0054	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0043	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0054	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0032	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0021	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0021	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0064	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0043	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0021	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0032	0.0050	93.3000	0.0068	0.0055		5.7000 =	6.1000		
STYRENE	0.0054	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0021	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0032	0.0050	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		96.0000 %	96.0000 %		103.0000 %	103.0000 %		
TRICHLOROETHYLENE (TCE)	0.0032	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0075	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0043	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0054	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0054	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0054	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0032	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-257: Oil/Water Separator Building 20375
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-257-03-0305 Lab ID: P278055	Field ID: KAFB-257-03-0810 Lab ID: P278056	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-257-06299 Lab ID: P278052	Ambient Blank Field ID: Lab ID:	Lab ID:
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4,6-TRIBROMOPHENOL	N/A	N/A		70.0000	75.0000			70.0000		
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2-FLUOROBIPHENYL	N/A	N/A		39.0000	43.0000			35.0000		
2-FLUOROPHENOL	N/A	N/A		75.0000	85.0000			35.0000		
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		

Base: KIRTLAND AFB
Site: ST-257: Oil/Water Separator Building 20375
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

ANALYTCAL DATA SUMMARY

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-257-03-0305 Lab ID: P278055	Field ID: KAFB-257-03-0810 Lab ID: P278056	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-257-06299 Lab ID: P278052	Ambient Blank Field ID: Lab ID:	Lab ID:
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND			0.0000 ND		
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
NITROBENZENE-D5	N/A	0.7000		39.0000	42.0000			35.0000		
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	0.0000 ND			0.0000 ND		
PHENOL-D5	N/A	N/A		70.0000	80.0000			26.0000		
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		
TERPHENYL-D14	N/A	N/A		42.0000	44.0000			40.0000		
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-257: Oil/Water Separator Building 20375
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-257-03-0305 Lab ID: P278055	Field ID: KAFB-257-03-0810 Lab ID: P278056	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.4000	8.5000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-258: Oil/Water Separator Building 20375
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-258-01-0305 Lab ID: 0365610010SA	Field ID: KAFB-258-01-0810 Lab ID: 0365610011SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		17.0000	18.0000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-258: Oil/Water Separator Building 20375
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-258-01-0305 Lab ID: P277993	Field ID: KAFB-258-01-0810 Lab ID: P277994	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-265-06289 Lab ID: P277985	Ambient Blank Field ID: Lab ID:	Lab ID:
ALUMINUM	2.0000	50.0000		7280.0000	12200.0000			59.0000		
ANTIMONY	20.0000	40.0000	32.0000	32.6000	0.0000 ND			0.0000 ND		
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		
BARIUM	0.2000	2.0000	5600.000	361.0000	172.0000			2.0000		
BERYLLIUM	0.2000	0.3000	16.3000	0.4600	0.8000			0.0000 ND		
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND			0.0000 ND		
CALCIUM	2.0000	10.0000		125000.0000	49600.0000			388.0000		
CHROMIUM, TOTAL	1.0000	7.0000		6.7000	13.1000			0.0000 ND		
COBALT	1.0000	7.0000		4.4000	8.6000			0.0000 ND		
COPPER	0.1000	6.0000		20.2000	49.5000			6.0000		
IRON	0.8000	7.0000		7490.0000	17900.0000			72.0000		
LEAD	3.0000	50.0000	400.0000	0.0000 ND	9.3000			0.0000 ND		
MAGNESIUM	3.0000	30.0000		8020.0000	7480.0000			183.0000		
MANGANESE	0.3000	2.0000	400.0000	95.2000	402.0000			0.0000 ND		
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		
NICKEL	3.0000	15.0000	1600.000	5.7000	8.8000			0.0000 ND		
POTASSIUM	20.0000	500.0000		966.0000	2410.0000			0.0000 ND		
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		
SODIUM	3.0000	30.0000		140.0000	185.0000			0.0000 ND		
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		
VANADIUM	0.4000	8.0000	720.0000	31.5000	42.4000			0.0000 ND		
ZINC	0.7000	2.0000	24000.00	25.7000	60.1000			14.0000		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-258: Oil/Water Separator Building 20375
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-258-01-0305 Lab ID: P277993	Field ID: KAFB-258-01-0810 Lab ID: P277994	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-265-06289 Lab ID: P277985	Ambient Blank Field ID: Lab ID:	Lab ID:
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-258: Oil/Water Separator Building 20375
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-258-01-0305 Lab ID:	Field ID: KAFB-258-01-0810 Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-265-06289 Lab ID: P277985	Ambient Blank Field ID: Lab ID:	Lab ID:
GASOLINE COMPONENTS	100.0000	1.0000		0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-258: Oil/Water Separator Building 20375
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-258-01-0305 Lab ID: P277993	Field ID: KAFB-258-01-0810 Lab ID: P277994	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-265-06289 Lab ID: P277985	Ambient Blank Field ID: Lab ID:	Lab ID:
DIESEL COMPONENTS	70.0000	10.0000		3300.0000	9700.0000			0.0000 ND		
PENTACOSANE	N/A	N/A		3650.0000	3640.0000			107.0000		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-258: Oil/Water Separator Building 20375
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-258-01-0305 Lab ID: 0365610010SA	Field ID: KAFB-258-01-0810 Lab ID: 0365610011SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-062894 Lab ID: 0365610001TB	Equipment Blank Field ID: KAFB-EB-265-06289 Lab ID: 0365610002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0036	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0060	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0060	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0048	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0060	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0048	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		102.0000 %	105.0000 %		106.0000 %	108.0000 %		
1,2-DICHLOROPROPANE	0.0036	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		97.0000 %	99.0000 %		100.0000 %	104.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0120	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0120	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ACETONE	0.0120	0.1000	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	2.7000 TR		
BENZENE	0.0024	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0024	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0060	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0048	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0060	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0036	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0024	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0120	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0024	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0072	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0048	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0024	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0120	0.1000	48000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0120	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0036	0.0050	93.3000	0.0085	0.0000 ND		5.2000 =	5.4000		
STYRENE	0.0060	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0024	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0036	0.0050	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		98.0000 %	108.0000 %		98.0000 %	100.0000 %		
TRICHLOROETHYLENE (TCE)	0.0036	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0084	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0048	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0060	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0060	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0060	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0036	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-258: Oil/Water Separator Building 20375
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-258-01-0305 Lab ID: P277993	Field ID: KAFB-258-01-0810 Lab ID: P277994	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-265-06289 Lab ID: P277985	Ambient Blank Field ID: Lab ID:	Lab ID:
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4,6-TRIBROMOPHENOL	N/A	N/A		80.0000	70.0000			97.0000		
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2-FLUOROBIPHENYL	N/A	N/A		40.0000	40.0000			50.0000		
2-FLUOROPHENOL	N/A	N/A		75.0000	55.0000			55.0000		
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-258: Oil/Water Separator Building 20375
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-258-01-0305 Lab ID: P277993	Field ID: KAFB-258-01-0810 Lab ID: P277994	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-265-06289 Lab ID: P277985	Ambient Blank Field ID: Lab ID:	Lab ID:
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND			0.0000 ND		
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
NITROBENZENE-D5	N/A	0.7000		0.0000	38.0000			55.0000		
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	0.0000 ND			0.0000 ND		
PHENOL-D5	N/A	N/A		75.0000	75.0000			40.0000		
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		
TERPHENYL-D14	N/A	N/A		43.0000	45.0000			55.0000		
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-258: Oil/Water Separator Building 20375
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-258-01-0305 Lab ID: P277993	Field ID: KAFB-258-01-0810 Lab ID: P277994	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		7.9000	7.9000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-258: OilWater Separator Building 20375
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-258-02-0305 Lab ID: 0365610012SA	Field ID: KAFB-258-02-0810 Lab ID: 0365610013SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		8.0000	7.8000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-258: Oil/Water Separator Building 20375
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-258-02-0305 Lab ID: P277995	Field ID: KAFB-258-02-0810 Lab ID: P277996	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-265-06289 Lab ID: P277985	Ambient Blank Field ID: Lab ID:	Lab ID:
ALUMINUM	2.0000	50.0000		6260.0000	9420.0000			59.0000		
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		
BARIUM	0.2000	2.0000	5600.000	123.0000	175.0000			2.0000		
BERYLLIUM	0.2000	0.3000	16.3000	0.5400	0.6800			0.0000 ND		
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND			0.0000 ND		
CALCIUM	2.0000	10.0000		49800.0000	45600.0000			388.0000		
CHROMIUM, TOTAL	1.0000	7.0000		6.7000	10.7000			0.0000 ND		
COBALT	1.0000	7.0000		4.4000	8.8000			0.0000 ND		
COPPER	0.1000	6.0000		15.8000	28.8000			6.0000		
IRON	0.8000	7.0000		8130.0000	15300.0000			72.0000		
LEAD	3.0000	50.0000	400.0000	0.0000 ND	9.0000			0.0000 ND		
MAGNESIUM	3.0000	30.0000		3380.0000	7200.0000			183.0000		
MANGANESE	0.3000	2.0000	400.0000	99.2000	339.0000			0.0000 ND		
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		
NICKEL	3.0000	15.0000	1600.000	5.5000	9.0000			0.0000 ND		
POTASSIUM	20.0000	500.0000		1020.0000	1830.0000			0.0000 ND		
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		
SODIUM	3.0000	30.0000		129.0000	571.0000			0.0000 ND		
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		
VANADIUM	0.4000	8.0000	720.0000	24.5000	39.9000			0.0000 ND		
ZINC	0.7000	2.0000	24000.00	21.6000	48.1000			14.0000		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-258: Oil/Water Separator Building 20375
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-258-02-0305 Lab ID: P277995	Field ID: KAFB-258-02-0810 Lab ID: P277996	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-265-06289 Lab ID: P277985	Ambient Blank Field ID: Lab ID:	Lab ID:
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-258: Oil/Water Separator Building 20375
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-258-02-0305 Lab ID:	Field ID: KAFB-258-02-0610 Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-265-06289 Lab ID: P277985	Ambient Blank Field ID: Lab ID:	Lab ID:
GASOLINE COMPONENTS	100.0000	1.0000		0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-258: Oil/Water Separator Building 20375
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-258-02-0305 Lab ID: P277995	Field ID: KAFB-258-02-0810 Lab ID: P277996	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-265-06289 Lab ID: P277985	Ambient Blank Field ID: Lab ID:	Lab ID:
DIESEL COMPONENTS	70.0000	10.0000		11000.0000	11000.0000			0.0000 ND		
PENTACOSANE	N/A	N/A		3730.0000	3700.0000			107.0000		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-258: Oil/Water Separator Building 20375
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-258-02-0305 Lab ID: 0365610012SA	Field ID: KAFB-258-02-0810 Lab ID: 0365610013SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-062894 Lab ID: 0365610001TB	Equipment Blank Field ID: KAFB-EB-265-06289 Lab ID: 0365610002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0054	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0054	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0044	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0054	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0044	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		104.0000 %	104.0000 %		106.0000 %	108.0000 %		
1,2-DICHLOROPROPANE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		99.0000 %	102.0000 %		100.0000 %	104.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ACETONE	0.0110	0.1000	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	2.7000 TR		
BENZENE	0.0022	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0022	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0054	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0044	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0054	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0022	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0022	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0065	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0044	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0022	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0033	0.0050	93.3000	0.0078	0.0083		5.2000 =	5.4000		
STYRENE	0.0054	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0022	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0033	0.0050	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		95.0000 %	102.0000 %		98.0000 %	100.0000 %		
TRICHLOROETHYLENE (TCE)	0.0033	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0076	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0044	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0054	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0054	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0054	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-258: Oil/Water Separator Building 20375
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-258-02-0305 Lab ID: P277995	Field ID: KAFB-258-02-0810 Lab ID: P277996	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-265-06289 Lab ID: P277985	Ambient Blank Field ID: Lab ID:	Lab ID:
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4,6-TRIBROMOPHENOL	N/A	N/A		75.0000	70.0000			97.0000		
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2-FLUOROBIPHENYL	N/A	N/A		38.0000	36.0000			50.0000		
2-FLUOROPHENOL	N/A	N/A		70.0000	65.0000			55.0000		
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-258: Oil/Water Separator Building 20375
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-258-02-0305 Lab ID: P277995	Field ID: KAFB-258-02-0810 Lab ID: P277996	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-265-06289 Lab ID: P277985	Ambient Blank Field ID: Lab ID:	Lab ID:
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND			0.0000 ND		
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
NITROBENZENE-D5	N/A	0.7000		34.0000	34.0000			55.0000		
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	0.0000 ND			0.0000 ND		
PHENOL-D5	N/A	N/A		70.0000	70.0000			40.0000		
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		
TERPHENYL-D14	N/A	N/A		44.0000	42.0000			55.0000		
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-258: Oil/Water Separator Building 20375
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-258-02-0305 Lab ID: P277995	Field ID: KAFB-258-02-0810 Lab ID: P277996	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.2000	8.3000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-259: Oil/Water Separator Building 20422
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-259-01-0913 Lab ID: 0363160009SA	Field ID: KAFB-259-01-1620 Lab ID: 0363160010SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		2.0000	13.0000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-259: Oil/Water Separator Building 20422
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: *Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-259-01-0913 Lab ID: P277007	Field ID: KAFB-259-01-1620 Lab ID: P277008	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-259-06209 Lab ID: P277006	Ambient Blank Field ID: Lab ID:	Lab ID:
ALUMINUM	2.0000	50.0000		4560.0000	5550.0000			57.0000		
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		
BARIUM	0.2000	2.0000	5600.000	54.5000	175.0000			0.0000 ND		
BERYLLIUM	0.2000	0.3000	16.3000	0.5100	0.5200			2.0000		
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND			0.0000 ND		
CALCIUM	2.0000	10.0000		27100.0000	24000.0000			37.0000		
CHROMIUM, TOTAL	1.0000	7.0000		9.0000	6.9000			0.0000 ND		
COBALT	1.0000	7.0000		9.4000	7.4000			0.0000 ND		
COPPER	0.1000	6.0000		130.0000	52.2000			30.0000		
IRON	0.8000	7.0000		14500.0000	14000.0000			13.0000		
LEAD	3.0000	50.0000	400.0000	3.6000	6.1000			0.0000 ND		
MAGNESIUM	3.0000	30.0000		3030.0000	4090.0000			0.0000 ND		
MANGANESE	0.3000	2.0000	400.0000	230.0000	254.0000			0.0000 ND		
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		
NICKEL	3.0000	15.0000	1600.000	5.7000	7.0000			0.0000 ND		
POTASSIUM	20.0000	500.0000		1330.0000	1520.0000			0.0000 ND		
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			5.0000		
SODIUM	3.0000	30.0000		72.9000	181.0000			55.0000		
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		
VANADIUM	0.4000	8.0000	720.0000	26.9000	24.8000			0.0000 ND		
ZINC	0.7000	2.0000	24000.00	66.2000	45.0000			27.0000		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-259: Oil/Water Separator Building 20422
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-259-01-0913 Lab ID: P277007	Field ID: KAFB-259-01-1620 Lab ID: P277008	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-259-06209 Lab ID: P277006	Ambient Blank Field ID: Lab ID:	Lab ID:
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-259: Oil/Water Separator Building 20422
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-259-01-0913 Lab ID:	Field ID: KAFB-259-01-1620 Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-259-06209 Lab ID: P277006	Ambient Blank Field ID: Lab ID:	Lab ID:
GASOLINE COMPONENTS	100.0000	1.0000		3100.0000	590.0000			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-259: OilWater Separator Building 20422
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-259-01-0913 Lab ID: P277007	Field ID: KAFB-259-01-1620 Lab ID: P277008	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-259-06209 Lab ID: P277006	Ambient Blank Field ID: Lab ID:	Lab ID:
DIESEL COMPONENTS	70.0000	10.0000		580.0000	490.0000			0.0000 ND		
PENTACOSANE	N/A	N/A		3870.0000	3760.0000			134.0000		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-259: Oil/Water Separator Building 20422
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-259-01-0913 Lab ID: 0363160009SA	Field ID: KAFB-259-01-1620 Lab ID: 0363160010SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-062094 Lab ID: 0363160007TB	Equipment Blank Field ID: KAFB-EB-259-06209 Lab ID: 0363160008EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0031	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0051	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0051	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0041	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0051	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0041	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		98.0000 %	96.0000 %		95.0000 %	95.0000 %		
1,2-DICHLOROPROPANE	0.0031	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		100.0000 %	97.0000 %		93.0000 %	95.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0100	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0100	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ACETONE	0.0100	0.1000	8000.000	0.0084 TR	0.0076 TR		0.0000 ND	0.0000 ND		
BENZENE	0.0020	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0020	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0051	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0041	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0051	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0031	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0020	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0100	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0020	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0061	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0041	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0020	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0100	0.1000	48000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0100	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0031	0.0050	93.3000	0.0096	0.0120		5.0000 =	3.7000		
STYRENE	0.0051	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0020	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0031	0.0050	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		103.0000 %	101.0000 %		100.0000 %	100.0000 %		
TRICHLOROETHYLENE (TCE)	0.0031	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0071	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0041	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0051	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0051	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0051	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0031	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-259: Oil/Water Separator Building 20422
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-259-01-0913 Lab ID: P277007	Field ID: KAFB-259-01-1620 Lab ID: P277008	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-259-06209 Lab ID: P277006	Ambient Blank Field ID: Lab ID:	Lab ID:
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4,6-TRIBROMOPHENOL	N/A	N/A		75.0000	90.0000			90.0000		
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2-FLUOROBIPHENYL	N/A	N/A		45.0000	47.0000			46.0000		
2-FLUOROPHENOL	N/A	N/A		80.0000	90.0000			50.0000		
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-259: Oil/Water Separator Building 20422
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-259-01-0913 Lab ID: P277007	Field ID: KAFB-259-01-1620 Lab ID: P277008	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-259-06209 Lab ID: P277006	Ambient Blank Field ID: Lab ID:	Lab ID:
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND			0.0000 ND		
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
NITROBENZENE-D5	N/A	0.7000		47.0000	47.0000			48.0000		
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	0.0000 ND			0.0000 ND		
PHENOL-D5	N/A	N/A		85.0000	90.0000			40.0000		
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		
TERPHENYL-D14	N/A	N/A		50.0000	50.0000			55.0000		
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-259: Oil/Water Separator Building 20422
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-259-01-0913 Lab ID: P277007	Field ID: KAFB-259-01-1620 Lab ID: P277008	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.5000	9.0000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-259: Oil/Water Separator Building 20422
Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Liquid From Vadose Zone
Units: Micrograms/Liter

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-259-02 Lab ID: P277009	Field ID: Lab ID: P277009	Field ID: Lab ID: P277009	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-259-06209 Lab ID: P277006	Ambient Blank Field ID: Lab ID:	Lab ID:
ALUMINUM	20.0000	N/A		239000.0000				57.0000		
ANTIMONY	200.0000	N/A	32.0000	356.0000				0.0000 ND		
ARSENIC	60.0000	N/A	38.9000	116.0000				0.0000 ND		
BARIUM	2.0000	N/A	5600.000	11600.0000				0.0000 ND		
BERYLLIUM	2.0000	N/A	16.3000	11.0000				2.0000		
CADMIUM	5.0000	N/A	40.0000	21.0000				0.0000 ND		
CALCIUM	20.0000	N/A		2820000.0000				37.0000		
CHROMIUM, TOTAL	10.0000	N/A		242.0000				0.0000 ND		
COBALT	10.0000	N/A		131.0000				0.0000 ND		
COPPER	1.0000	N/A		342.0000				30.0000		
IRON	8.0000	N/A		210000.0000				13.0000		
LEAD	30.0000	N/A	400.0000	335.0000				0.0000 ND		
MAGNESIUM	30.0000	N/A		184000.0000				0.0000 ND		
MANGANESE	3.0000	N/A	400.0000	4200.0000				0.0000 ND		
MOLYBDENUM	20.0000	N/A	400.0000	0.0000 ND	ND			0.0000 ND		
NICKEL	30.0000	N/A	1600.000	287.0000				0.0000 ND		
POTASSIUM	200.0000	N/A		73300.0000				0.0000 ND		
SELENIUM	70.0000	N/A	400.0000	0.0000 ND	ND			0.0000 ND		
SILVER	3.0000	N/A	400.0000	8.0000				5.0000		
SODIUM	30.0000	N/A		125000.0000				55.0000		
THALLIUM	200.0000	N/A	7.2000	0.0000 ND	ND			0.0000 ND		
VANADIUM	4.0000	N/A	720.0000	632.0000				0.0000 ND		
ZINC	7.0000	N/A	24000.00	949.0000				27.0000		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-259: Oil/Water Separator Building 20422
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Liquid From Vadose Zone
Units: Micrograms/Liter

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-259-02 Lab ID: P277009	Field ID: Lab ID: P277009	Field ID: Lab ID: P277009	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-259-06209 Lab ID: P277006	Ambient Blank Field ID: Lab ID:	Lab ID:
MERCURY	0.2000	0.0010		0.0000 ND	ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-259: Oil/Water Separator Building 20422
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Liquid From Vadose Zone
Units: Micrograms/Liter

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-259-02 Lab ID: P277009	Field ID: Lab ID: P277009	Field ID: Lab ID: P277009	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-259-06209 Lab ID: P277006	Ambient Blank Field ID: Lab ID:	Lab ID:
GASOLINE COMPONENTS	100.0000	N/A		180.0000				0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-259: Oil/Water Separator Building 20422
Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Liquid From Vadose Zone
Units: Micrograms/Liter

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-259-02 Lab ID: P277009	Field ID: Lab ID: P277009	Field ID: Lab ID: P277009	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-259-06209 Lab ID: P277006	Ambient Blank Field ID: Lab ID:	Lab ID:
DIESEL COMPONENTS	50.0000	N/A		560.0000				0.0000 ND		
PENTACOSANE	N/A	N/A		111.0000				134.0000		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-259: Oil/Water Separator Building 20422
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Liquid From Vadose Zone
Units: Micrograms/Liter

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-259-02 Lab ID: 0363160011SA	Field ID: Lab ID: 0363160011SA	Field ID: Lab ID: 0363160011SA	Trip Blank Field ID: KAFB-TB-01-062094 Lab ID: 0363160007TB	Equipment Blank Field ID: KAFB-EB-259-06209 Lab ID: 0363160008EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	3.0000	N/A		0.0000 ND	ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	5.0000	N/A	35.0000	0.0000 ND	ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	5.0000	N/A	123.0000	0.0000 ND	ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	4.0000	N/A		0.0000 ND	ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	5.0000	N/A		0.0000 ND	ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	4.0000	N/A	7.6900	0.0000 ND	ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		95.0000 %	%		95.0000 %	95.0000 %		
1,2-DICHLOROPROPANE	3.0000	N/A		0.0000 ND	ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		98.0000 %	%		93.0000 %	95.0000 %		
2-CHLOROETHYL VINYL ETHER	N/A	N/A		0.0000 ND	ND		0.0000 ND	0.0000 ND		
2-HEXANONE	10.0000	N/A		0.0000 ND	ND		0.0000 ND	0.0000 ND		
ACETONE	10.0000	N/A	8000.000	110.0000			0.0000 ND	0.0000 ND		
BENZENE	2.0000	N/A	24.1000	0.0000 ND	ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	2.0000	N/A		0.0000 ND	ND		0.0000 ND	0.0000 ND		
BROMOFORM	5.0000	N/A	88.6000	0.0000 ND	ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	4.0000	N/A	32.0000	0.0000 ND	ND		0.0000 ND	0.0000 ND		
CARBON DISULFIDE	5.0000	N/A	8000.000	3.1000 TR	TR		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	3.0000	N/A		0.0000 ND	ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	2.0000	N/A	2160.000	0.0000 ND	ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	10.0000	N/A		0.0000 ND	ND		0.0000 ND	0.0000 ND		
CHLOROFORM	2.0000	N/A		0.0000 ND	ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	6.0000	N/A		0.0000 ND	ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	4.0000	N/A		0.0000 ND	ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	2.0000	N/A	8000.000	4.9000			0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	10.0000	N/A	48000.00	30.0000			0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	10.0000	N/A		5.1000 TR	TR		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	3.0000	N/A	93.3000	4.6000			5.0000 =	3.7000		
STYRENE	5.0000	N/A		0.0000 ND	ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	2.0000	N/A	800.0000	0.0000 ND	ND		0.0000 ND	0.0000 ND		
TOLUENE	3.0000	N/A	16000.00	51.0000			0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	N/A		101.0000 %	%		100.0000 %	100.0000 %		
TRICHLOROETHYLENE (TCE)	3.0000	N/A	63.6000	0.0000 ND	ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	7.0000	N/A		0.0000 ND	ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	4.0000	N/A		0.0000 ND	ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	5.0000	N/A	160000.0	22.0000			0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	5.0000	N/A		0.0000 ND	ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	5.0000	N/A		0.0000 ND	ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	3.0000	N/A		0.0000 ND	ND		0.0000 ND	0.0000 ND		

Base: KIRTLAND AFB
Site: ST-259: Oil/Water Separator Building 20422
Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Liquid From Vadose Zone
Units: Micrograms/Liter

ANALYTCAL DATA SUMMARY

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-259-02 Lab ID: P277009	Field ID: Lab ID: P277009	Field ID: Lab ID: P277009	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-259-06209 Lab ID: P277006	Ambient Blank Field ID: Lab ID:	Lab ID:
1,2,4-TRICHLOROBENZENE	12.0000	N/A	800.0000	0.0000 ND	ND			0.0000 ND		
1,2-DICHLOROBENZENE	12.0000	N/A		0.0000 ND	ND			0.0000 ND		
1,3-DICHLOROBENZENE	14.0000	N/A		0.0000 ND	ND			0.0000 ND		
1,4-DICHLOROBENZENE	14.0000	N/A		0.0000 ND	ND			0.0000 ND		
2,4,5-TRICHLOROPHENOL	16.0000	N/A		0.0000 ND	ND			0.0000 ND		
2,4,6-TRIBROMOPHENOL	N/A	N/A		36.0000				90.0000		
2,4,6-TRICHLOROPHENOL	10.0000	N/A		0.0000 ND	ND			0.0000 ND		
2,4-DICHLOROPHENOL	8.0000	N/A		0.0000 ND	ND			0.0000 ND		
2,4-DIMETHYLPHENOL	12.0000	N/A		0.0000 ND	ND			0.0000 ND		
2,4-DINITROPHENOL	18.0000	N/A		0.0000 ND	ND			0.0000 ND		
2,4-DINITROTOLUENE	12.0000	N/A		0.0000 ND	ND			0.0000 ND		
2,6-DINITROTOLUENE	14.0000	N/A		0.0000 ND	ND			0.0000 ND		
2-CHLORONAPHTHALENE	10.0000	N/A		0.0000 ND	ND			0.0000 ND		
2-CHLOROPHENOL	8.0000	N/A		0.0000 ND	ND			0.0000 ND		
2-FLUOROBIPHENYL	N/A	N/A		24.0000				46.0000		
2-FLUOROPHENOL	N/A	N/A		30.0000				50.0000		
2-METHYLNAPHTHALENE	8.0000	N/A	3200.000	0.0000 ND	ND			0.0000 ND		
2-METHYLPHENOL (o-CRESOL)	10.0000	N/A		0.0000 ND	ND			0.0000 ND		
2-NITROANILINE	10.0000	N/A		0.0000 ND	ND			0.0000 ND		
2-NITROPHENOL	8.0000	N/A		0.0000 ND	ND			0.0000 ND		
3,3'-DICHLOROBENZIDINE	6.0000	N/A		0.0000 ND	ND			0.0000 ND		
3-NITROANILINE	12.0000	N/A		0.0000 ND	ND			0.0000 ND		
4,6-DINITRO-2-METHYLPHENOL	12.0000	N/A		0.0000 ND	ND			0.0000 ND		
4-BROMOPHENYL PHENYL ETHER	14.0000	N/A		0.0000 ND	ND			0.0000 ND		
4-CHLORO-3-METHYLPHENOL	12.0000	N/A		0.0000 ND	ND			0.0000 ND		
4-CHLOROANILINE	8.0000	N/A		0.0000 ND	ND			0.0000 ND		
4-CHLOROPHENYL PHENYL ETHER	12.0000	N/A		0.0000 ND	ND			0.0000 ND		
4-METHYLPHENOL (p-CRESOL)	8.0000	N/A		0.0000 ND	ND			0.0000 ND		
4-NITROANILINE	12.0000	N/A		0.0000 ND	ND			0.0000 ND		
4-NITROPHENOL	10.0000	N/A		0.0000 ND	ND			0.0000 ND		
ACENAPHTHENE	10.0000	N/A		0.0000 ND	ND			0.0000 ND		
ACENAPHTHYLENE	10.0000	N/A		0.0000 ND	ND			0.0000 ND		
ANTHRACENE	12.0000	N/A		0.0000 ND	ND			0.0000 ND		
BENZO(a)ANTHRACENE	12.0000	N/A		0.0000 ND	ND			0.0000 ND		
BENZO(a)PYRENE	12.0000	N/A	959.0000	0.0000 ND	ND			0.0000 ND		
BENZO(b)FLUORANTHENE	18.0000	N/A	95.9000	0.0000 ND	ND			0.0000 ND		
BENZO(g,h,i)PERYLENE	16.0000	N/A		0.0000 ND	ND			0.0000 ND		
BENZO(k)FLUORANTHENE	18.0000	N/A		0.0000 ND	ND			0.0000 ND		
BENZOIC ACID	36.0000	N/A		0.0000 ND	ND			0.0000 ND		
BENZYL ALCOHOL	6.0000	N/A		0.0000 ND	ND			0.0000 ND		
BENZYL BUTYL PHTHALATE	16.0000	N/A		0.0000 ND	ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-259: Oil/Water Separator Building 20422
Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Liquid From Vadose Zone
Units: Micrograms/Liter

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-259-02 Lab ID: P277009	Field ID: Lab ID: P277009	Field ID: Lab ID: P277009	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-259-06209 Lab ID: P277006	Ambient Blank Field ID: Lab ID:	Lab ID:
CHRYSENE	12.0000	N/A	9.5900	0.0000 ND	ND			0.0000 ND		
DI-n-BUTYL PHTHALATE	12.0000	N/A	8000.000	0.0000 ND	ND			0.0000 ND		
DI-n-OCTYLPHTHALATE	18.0000	N/A		0.0000 ND	ND			0.0000 ND		
DIBENZ(a,h)ANTHRACENE	16.0000	N/A		0.0000 ND	ND			0.0000 ND		
DIBENZOFURAN	10.0000	N/A		0.0000 ND	ND			0.0000 ND		
DIETHYL PHTHALATE	14.0000	N/A		0.0000 ND	ND			0.0000 ND		
DIMETHYL PHTHALATE	14.0000	N/A		0.0000 ND	ND			0.0000 ND		
FLUORANTHENE	14.0000	N/A	3360.000	0.0000 ND	ND			0.0000 ND		
FLUORENE	12.0000	N/A	3360.000	0.0000 ND	ND			0.0000 ND		
HEXACHLOROBENZENE	14.0000	N/A		0.0000 ND	ND			0.0000 ND		
HEXACHLOROBUTADIENE	14.0000	N/A		0.0000 ND	ND			0.0000 ND		
HEXACHLOROCYCLOPENTADIENE	16.0000	N/A		0.0000 ND	ND			0.0000 ND		
HEXACHLOROETHANE	16.0000	N/A		0.0000 ND	ND			0.0000 ND		
INDENO(1,2,3-c,d)PYRENE	16.0000	N/A		0.0000 ND	ND			0.0000 ND		
ISOPHORONE	10.0000	N/A	7370.000	0.0000 ND	ND			0.0000 ND		
N-NITROSODI-n-PROPYLAMINE	8.0000	N/A		0.0000 ND	ND			0.0000 ND		
N-NITROSODIPHENYLAMINE	14.0000	N/A		0.0000 ND	ND			0.0000 ND		
NAPHTHALENE	10.0000	N/A	3200.000	0.0000 ND	ND			0.0000 ND		
NITROBENZENE	8.0000	N/A		0.0000 ND	ND			0.0000 ND		
NITROBENZENE-D5	N/A	N/A		26.0000				48.0000		
PENTACHLOROPHENOL	14.0000	N/A	5.8300	0.0000 ND	ND			0.0000 ND		
PHENANTHRENE	14.0000	N/A		0.0000 ND	ND			0.0000 ND		
PHENOL	8.0000	N/A	48000.00	0.0000 ND	ND			0.0000 ND		
PHENOL-D5	N/A	N/A		26.0000				40.0000		
PYRENE	14.0000	N/A	2400.000	0.0000 ND	ND			0.0000 ND		
TERPHENYL-D14	N/A	N/A		23.0000				55.0000		
bis(2-CHLOROETHOXY) METHANE	10.0000	N/A		0.0000 ND	ND			0.0000 ND		
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	8.0000	N/A		0.0000 ND	ND			0.0000 ND		
bis(2-CHLOROISOPROPYL) ETHER	8.0000	N/A		0.0000 ND	ND			0.0000 ND		
bis(2-ETHYLHEXYL) PHTHALATE	40.0000	N/A	50.0000	0.0000 ND	ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-259: Oil/Water Separator Building 20422
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-259-02-0913 Lab ID: 0363790007SA	Field ID: KAFB-259-02-1620 Lab ID: 0363790008SA	Field ID: Lab ID: 0363790008SA	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		8.9000	15.0000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-259: Oil/Water Separator Building 20422
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-259-02-0913 Lab ID: P277445	Field ID: KAFB-259-02-1620 Lab ID: P277446	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-259-06219 Lab ID: P277440	Ambient Blank Field ID: Lab ID:	Lab ID:
ALUMINUM	2.0000	50.0000		3760.0000	9180.0000			60.0000		
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		
BARIUM	0.2000	2.0000	5600.000	39.4000	209.0000			0.0000 ND		
BERYLLIUM	0.2000	0.3000	16.3000	0.4100	0.6700			0.0000 ND		
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.8900			0.0000 ND		
CALCIUM	2.0000	10.0000		23700.0000	44800.0000			95.0000		
CHROMIUM, TOTAL	1.0000	7.0000		4.8000	11.5000			0.0000 ND		
COBALT	1.0000	7.0000		7.7000	7.7000			0.0000 ND		
COPPER	0.1000	6.0000		74.8000	26.5000			24.0000		
IRON	0.8000	7.0000		10700.0000	14800.0000			37.0000		
LEAD	3.0000	50.0000	400.0000	4.1000	6.8000			0.0000 ND		
MAGNESIUM	3.0000	30.0000		2740.0000	5490.0000			36.0000		
MANGANESE	0.3000	2.0000	400.0000	209.0000	242.0000			0.0000 ND		
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		
NICKEL	3.0000	15.0000	1600.000	8.0000	8.7000			0.0000 ND		
POTASSIUM	20.0000	500.0000		884.0000	2060.0000			0.0000 ND		
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.3400			6.0000		
SODIUM	3.0000	30.0000		65.6000	110.0000			60.0000		
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		
VANADIUM	0.4000	8.0000	720.0000	30.4000	28.5000			0.0000 ND		
ZINC	0.7000	2.0000	24000.00	44.0000	41.7000			32.0000		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-259: Oil/Water Separator Building 20422
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-259-02-0913 Lab ID: P277445	Field ID: KAFB-259-02-1620 Lab ID: P277446	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-259-06219 Lab ID: P277440	Ambient Blank Field ID: Lab ID:	Lab ID:
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.3600		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-259: Oil/Water Separator Building 20422
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-259-02-0913 Lab ID:	Field ID: KAFB-259-02-1620 Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-259-06219 Lab ID: P277440	Ambient Blank Field ID: Lab ID:	Lab ID:
GASOLINE COMPONENTS	100.0000	1.0000		0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-259: Oil/Water Separator Building 20422
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-259-02-0913 Lab ID: P277445	Field ID: KAFB-259-02-1620 Lab ID: P277446	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-259-06219 Lab ID: P277440	Ambient Blank Field ID: Lab ID:	Lab ID:
DIESEL COMPONENTS	70.0000	10.0000		480.0000	530.0000			0.0000 ND		
PENTACOSANE	N/A	N/A		3910.0000	3840.0000			136.0000		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-259: Oil/Water Separator Building 20422
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-259-02-0913 Lab ID: 0363790007SA	Field ID: KAFB-259-02-1620 Lab ID: 0363790008MS	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-062194 Lab ID: 0362940008TB	Equipment Blank Field ID: KAFB-EB-259-06219 Lab ID: 0362940009EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0055	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0055	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0044	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0055	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0044	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		96.0000 %	100.0000 %		94.0000 %	93.0000 %		
1,2-DICHLOROPROPANE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		98.0000 %	95.0000 %		95.0000 %	94.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ACETONE	0.0110	0.1000	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BENZENE	0.0022	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0022	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0055	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0044	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0055	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0022	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0022	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0066	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0044	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0022	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0033	0.0050	93.3000	0.0052	0.0090		2.5000 TR	2.7000 TR		
STYRENE	0.0055	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0022	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	2.4000		
TOLUENE	0.0033	0.0050	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		103.0000 %	101.0000 %		95.0000 %	96.0000 %		
TRICHLOROETHYLENE (TCE)	0.0033	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0077	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0044	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0055	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0055	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0055	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-259: Oil/Water Separator Building 20422
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-259-02-0913 Lab ID: P277445	Field ID: KAFB-259-02-1620 Lab ID: P277446	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-259-06219 Lab ID: P277440	Ambient Blank Field ID: Lab ID:	Lab ID:
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4,6-TRIBROMOPHENOL	N/A	N/A		90.0000	80.0000			90.0000		
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2-FLUOROBIPHENYL	N/A	N/A		46.0000	44.0000			45.0000		
2-FLUOROPHENOL	N/A	N/A		85.0000	80.0000			47.0000		
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-259: Oil/Water Separator Building 20422
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-259-02-0913 Lab ID: P277445	Field ID: KAFB-259-02-1620 Lab ID: P277446	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-259-06219 Lab ID: P277440	Ambient Blank Field ID: Lab ID:	Lab ID:
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND			0.0000 ND		
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
NITROBENZENE-D5	N/A	0.7000		46.0000	44.0000			46.0000		
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	0.0000 ND			0.0000 ND		
PHENOL-D5	N/A	N/A		90.0000	85.0000			37.0000		
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		
TERPHENYL-D14	N/A	N/A		50.0000	50.0000			55.0000		
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-259: Oil/Water Separator Building 20422
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-259-02-0913 Lab ID: P277445	Field ID: KAFB-259-02-1620 Lab ID: P277446	Field ID: Lab ID: P277446	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.2000	8.2000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-259: Oil/Water Separator Building 20422
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-259-03-1015 Lab ID: 0363160012SA	Field ID: KAFB-259-03-1620 Lab ID: 0363160013SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		2.9000	13.0000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-259: Oil/Water Separator Building 20422
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-259-03-1015 Lab ID: P277010	Field ID: KAFB-259-03-1620 Lab ID: P277011	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-259-06209 Lab ID: P277006	Ambient Blank Field ID: Lab ID:	Lab ID:
ALUMINUM	2.0000	50.0000		5480.0000	10700.0000			57.0000		
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		
BARIUM	0.2000	2.0000	5600.000	83.4000	209.0000			0.0000 ND		
BERYLLIUM	0.2000	0.3000	16.3000	0.5300	0.8100			2.0000		
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND			0.0000 ND		
CALCIUM	2.0000	10.0000		45900.0000	33000.0000			37.0000		
CHROMIUM, TOTAL	1.0000	7.0000		14.6000	10.3000			0.0000 ND		
COBALT	1.0000	7.0000		5.8000	7.8000			0.0000 ND		
COPPER	0.1000	6.0000		107.0000	36.4000			30.0000		
IRON	0.8000	7.0000		14200.0000	17100.0000			13.0000		
LEAD	3.0000	50.0000	400.0000	4.8000	9.2000			0.0000 ND		
MAGNESIUM	3.0000	30.0000		3820.0000	6400.0000			0.0000 ND		
MANGANESE	0.3000	2.0000	400.0000	263.0000	332.0000			0.0000 ND		
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		
NICKEL	3.0000	15.0000	1600.000	48.8000	12.4000			0.0000 ND		
POTASSIUM	20.0000	500.0000		1360.0000	2140.0000			0.0000 ND		
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			5.0000		
SODIUM	3.0000	30.0000		120.0000	116.0000			55.0000		
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		
VANADIUM	0.4000	8.0000	720.0000	35.0000	33.8000			0.0000 ND		
ZINC	0.7000	2.0000	24000.00	65.9000	48.4000			27.0000		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-259: Oil/Water Separator Building 20422
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-259-03-1015 Lab ID: P277010	Field ID: KAFB-259-03-1620 Lab ID: P277011	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-259-06209 Lab ID: P277006	Ambient Blank Field ID: Lab ID:	Lab ID:
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-259: Oil/Water Separator Building 20422
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-259-03-1015 Lab ID:	Field ID: KAFB-259-03-1620 Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-259-06209 Lab ID: P277006	Ambient Blank Field ID: Lab ID:	Lab ID:
GASOLINE COMPONENTS	100.0000	1.0000		1100.0000	140.0000			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-259: Oil/Water Separator Building 20422
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-259-03-1015 Lab ID: P277010	Field ID: KAFB-259-03-1620 Lab ID: P277011	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-259-06209 Lab ID: P277006	Ambient Blank Field ID: Lab ID:	Lab ID:
DIESEL COMPONENTS	70.0000	10.0000		780.0000	350.0000			0.0000 ND		
PENTACOSANE	N/A	N/A		3902.0000	3920.0000			134.0000		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-259: Oil/Water Separator Building 20422
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-259-03-1015 Lab ID: 0363160012SA	Field ID: KAFB-259-03-1620 Lab ID: 0363160013MS	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-062094 Lab ID: 0363160007TB	Equipment Blank Field ID: KAFB-EB-259-06209 Lab ID: 0363160008EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0031	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0051	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0051	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0041	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0051	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0041	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		96.0000 %	96.0000 %		95.0000 %	95.0000 %		
1,2-DICHLOROPROPANE	0.0031	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		98.0000 %	98.0000 %		93.0000 %	95.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0100	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0100	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ACETONE	0.0100	0.1000	8000.000	0.0110	0.0100 TR		0.0000 ND	0.0000 ND		
BENZENE	0.0021	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0021	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0051	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0041	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0051	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0031	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0021	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0100	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0021	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0062	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0041	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0021	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0100	0.1000	48000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0100	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0031	0.0050	93.3000	0.0089	0.0120		5.0000 =	3.7000		
STYRENE	0.0051	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0021	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0031	0.0050	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		102.0000 %	104.0000 %		100.0000 %	100.0000 %		
TRICHLOROETHYLENE (TCE)	0.0031	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0072	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0041	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0051	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0051	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0051	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0031	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-259: Oil/Water Separator Building 20422
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-259-03-1015 Lab ID: P277010	Field ID: KAFB-259-03-1620 Lab ID: P277011	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-259-06209 Lab ID: P277006	Ambient Blank Field ID: Lab ID:	Lab ID:
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4,6-TRIBROMOPHENOL	N/A	N/A		90.0000	80.0000			90.0000		
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2-FLUOROBIPHENYL	N/A	N/A		47.0000	43.0000			46.0000		
2-FLUOROPHENOL	N/A	N/A		85.0000	75.0000			50.0000		
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-259: Oil/Water Separator Building 20422
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-259-03-1015 Lab ID: P277010	Field ID: KAFB-259-03-1620 Lab ID: P277011	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-259-06209 Lab ID: P277006	Ambient Blank Field ID: Lab ID:	Lab ID:
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND			0.0000 ND		
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
NITROBENZENE-D5	N/A	0.7000		45.0000	42.0000			48.0000		
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	0.0000 ND			0.0000 ND		
PHENOL-D5	N/A	N/A		85.0000	80.0000			40.0000		
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		
TERPHENYL-D14	N/A	N/A		50.0000	50.0000			55.0000		
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-259: Oil/Water Separator Building 20422
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-259-03-1015 Lab ID: P277010	Field ID: Lab ID: P277010	Field ID: KAFB-259-03-1620 Lab ID: P277011	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		9.8000		8.2000				

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-259: Oil/Water Separator Building 20422
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-259-04-0913 Lab ID: 0363790003SA	Field ID: KAFB-259-04-1620 Lab ID: 0363790004SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		3.9000	6.6000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-259: Oil/Water Separator Building 20422
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: *Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-259-04-0913 Lab ID: P277441	Field ID: KAFB-259-04-1620 Lab ID: P277442	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-259-06219 Lab ID: P277440	Ambient Blank Field ID: Lab ID:	Lab ID:
ALUMINUM	2.0000	50.0000		4600.0000	10700.0000			60.0000		
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		
BARIUM	0.2000	2.0000	5600.000	48.0000	154.0000			0.0000 ND		
BERYLLIUM	0.2000	0.3000	16.3000	0.4100	0.7900			0.0000 ND		
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND			0.0000 ND		
CALCIUM	2.0000	10.0000		28400.0000	23400.0000			95.0000		
CHROMIUM, TOTAL	1.0000	7.0000		5.9000	12.3000			0.0000 ND		
COBALT	1.0000	7.0000		6.2000	8.3000			0.0000 ND		
COPPER	0.1000	6.0000		269.0000	23.9000			24.0000		
IRON	0.8000	7.0000		8980.0000	16400.0000			37.0000		
LEAD	3.0000	50.0000	400.0000	4.3000	7.5000			0.0000 ND		
MAGNESIUM	3.0000	30.0000		3050.0000	6030.0000			36.0000		
MANGANESE	0.3000	2.0000	400.0000	234.0000	313.0000			0.0000 ND		
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		
NICKEL	3.0000	15.0000	1600.000	4.3000	12.7000			0.0000 ND		
POTASSIUM	20.0000	500.0000		1530.0000	2180.0000			0.0000 ND		
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		
SILVER	0.3000	7.0000	400.0000	0.3100	0.3400			6.0000		
SODIUM	3.0000	30.0000		67.6000	119.0000			60.0000		
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		
VANADIUM	0.4000	8.0000	720.0000	21.6000	29.1000			0.0000 ND		
ZINC	0.7000	2.0000	24000.00	118.0000	40.1000			32.0000		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-259: Oil/Water Separator Building 20422
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-259-04-0913 Lab ID: P277441	Field ID: KAFB-259-04-1620 Lab ID: P277442	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-259-06219 Lab ID: P277440	Ambient Blank Field ID: Lab ID:	Lab ID:
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.3600		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-259: Oil/Water Separator Building 20422
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-259-04-0913 Lab ID:	Field ID: KAFB-259-04-1620 Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-259-06219 Lab ID: P277440	Ambient Blank Field ID: Lab ID:	Lab ID:
GASOLINE COMPONENTS	100.0000	1.0000		0.0000 ND	130.0000			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-259: Oil/Water Separator Building 20422
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-259-04-0913 Lab ID: P277441	Field ID: KAFB-259-04-1620 Lab ID: P277442	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-259-06219 Lab ID: P277440	Ambient Blank Field ID: Lab ID:	Lab ID:
DIESEL COMPONENTS	70.0000	10.0000		1300.0000	900.0000			0.0000 ND		
PENTACOSANE	N/A	N/A		3850.0000	3730.0000			136.0000		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-259: Oil/Water Separator Building 20422
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-259-04-0913 Lab ID: 0363790003SA	Field ID: KAFB-259-04-1620 Lab ID: 0363790004SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-062194 Lab ID: 0362940008TB	Equipment Blank Field ID: KAFB-EB-259-06219 Lab ID: 0362940009EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0031	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0052	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0052	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0042	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0052	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0042	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		95.0000 %	93.0000 %		94.0000 %	93.0000 %		
1,2-DICHLOROPROPANE	0.0031	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		93.0000 %	93.0000 %		95.0000 %	94.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0100	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0100	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ACETONE	0.0100	0.1000	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BENZENE	0.0021	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0021	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0052	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0042	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0052	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0031	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0021	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0100	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0021	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0062	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0042	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0021	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0100	0.1000	48000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0100	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0031	0.0050	93.3000	0.0027 TR	0.0027 TR		2.5000 TR	2.7000 TR		
STYRENE	0.0052	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0021	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	2.4000		
TOLUENE	0.0031	0.0050	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		96.0000 %	96.0000 %		95.0000 %	96.0000 %		
TRICHLOROETHYLENE (TCE)	0.0031	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0073	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0042	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0052	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0052	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0052	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0031	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-259: Oil/Water Separator Building 20422
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-259-04-0913 Lab ID: P277441	Field ID: KAFB-259-04-1620 Lab ID: P277442	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-259-06219 Lab ID: P277440	Ambient Blank Field ID: Lab ID:	Lab ID:
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4,6-TRIBROMOPHENOL	N/A	N/A		90.0000	80.0000			90.0000		
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2-FLUOROBIPHENYL	N/A	N/A		48.0000	44.0000			45.0000		
2-FLUOROPHENOL	N/A	N/A		90.0000	80.0000			47.0000		
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-259: Oil/Water Separator Building 20422
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-259-04-0913 Lab ID: P277441	Field ID: KAFB-259-04-1620 Lab ID: P277442	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-259-06219 Lab ID: P277440	Ambient Blank Field ID: Lab ID:	Lab ID:
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND			0.0000 ND		
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
NITROBENZENE-D5	N/A	0.7000		48.0000	44.0000			46.0000		
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	0.0000 ND			0.0000 ND		
PHENOL-D5	N/A	N/A		90.0000	85.0000			37.0000		
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		
TERPHENYL-D14	N/A	N/A		55.0000	50.0000			55.0000		
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	770.0000	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-259: Oil/Water Separator Building 20422
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-259-04-0913 Lab ID: P277441	Field ID: KAFB-259-04-1620 Lab ID: P277442	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.1000	8.2000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-259: Oil/Water Separator Building 20422
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-259-05-0913 Lab ID: 0363790005SA	Field ID: Lab ID: 0363790005SA	Field ID: KAFB-259-05-1620 Lab ID: 0363790006SA	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		2.6000		11.0000				

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-259: Oil/Water Separator Building 20422
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: *Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-259-05-0913 Lab ID: P277443	Field ID: Lab ID: P277443	Field ID: KAFB-259-05-1620 Lab ID: P277444	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-259-06219 Lab ID: P277440	Ambient Blank Field ID: Lab ID:	Lab ID:
ALUMINUM	2.0000	50.0000		4240.0000		8320.0000		60.0000		
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	ND	0.0000 ND		0.0000 ND		
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	ND	0.0000 ND		0.0000 ND		
BARIUM	0.2000	2.0000	5600.000	41.9000		141.0000		0.0000 ND		
BERYLLIUM	0.2000	0.3000	16.3000	0.4100		0.6400		0.0000 ND		
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	ND	0.0000 ND		0.0000 ND		
CALCIUM	2.0000	10.0000		30600.0000		20400.0000		95.0000		
CHROMIUM, TOTAL	1.0000	7.0000		6.2000		10.7000		0.0000 ND		
COBALT	1.0000	7.0000		4.9000		7.8000		0.0000 ND		
COPPER	0.1000	6.0000		70.6000		52.2000		24.0000		
IRON	0.8000	7.0000		9330.0000		16700.0000		37.0000		
LEAD	3.0000	50.0000	400.0000	3.5000		3.9000		0.0000 ND		
MAGNESIUM	3.0000	30.0000		2850.0000		4920.0000		36.0000		
MANGANESE	0.3000	2.0000	400.0000	230.0000		293.0000		0.0000 ND		
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	ND	0.0000 ND		0.0000 ND		
NICKEL	3.0000	15.0000	1600.000	5.6000		10.2000		0.0000 ND		
POTASSIUM	20.0000	500.0000		1160.0000		1990.0000		0.0000 ND		
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	ND	0.0000 ND		0.0000 ND		
SILVER	0.3000	7.0000	400.0000	0.3100	ND	0.0000 ND		6.0000		
SODIUM	3.0000	30.0000		84.0000		97.7000		60.0000		
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	ND	0.0000 ND		0.0000 ND		
VANADIUM	0.4000	8.0000	720.0000	19.6000		29.9000		0.0000 ND		
ZINC	0.7000	2.0000	24000.00	46.4000		52.5000		32.0000		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-259: Oil/Water Separator Building 20422
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-259-05-0913 Lab ID: P277443	Field ID: Lab ID: P277443	Field ID: KAFB-259-05-1620 Lab ID: P277444	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-259-06219 Lab ID: P277440	Ambient Blank Field ID: Lab ID:	Lab ID:
MERCURY	0.1000	0.1000		0.0000 ND	ND	0.0000 ND		0.3600		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-259: Oil/Water Separator Building 20422
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-259-05-0913 Lab ID:	Field ID: Lab ID:	Field ID: KAFB-259-05-1620 Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-259-06219 Lab ID: P277440	Ambient Blank Field ID: Lab ID:	Lab ID:
GASOLINE COMPONENTS	100.0000	1.0000		130.0000	ND	0.0000 ND		0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-259: Oil/Water Separator Building 20422
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-259-05-0913 Lab ID: P277443	Field ID: Lab ID: P277443	Field ID: KAFB-259-05-1620 Lab ID: P277444	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-259-06219 Lab ID: P277440	Ambient Blank Field ID: Lab ID:	Lab ID:
DIESEL COMPONENTS	70.0000	10.0000		600.0000		1200.0000		0.0000 ND		
PENTACOSANE	N/A	N/A		3790.0000		4010.0000		136.0000		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-259: Oil/Water Separator Building 20422
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-259-05-0913 Lab ID: 0363790005SA	Field ID: Lab ID: 0363790005SA	Field ID: KAFB-259-05-1620 Lab ID: 0363790006SA	Trip Blank Field ID: KAFB-TB-01-062194 Lab ID: 0362940008TB	Equipment Blank Field ID: KAFB-EB-259-06219 Lab ID: 0362940009EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0031	0.0050		0.0000 ND	ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0051	0.0050	35.0000	0.0000 ND	ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0051	0.0050	123.0000	0.0000 ND	ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0041	0.0050		0.0000 ND	ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0051	0.0050		0.0000 ND	ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0041	0.0050	7.6900	0.0000 ND	ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		91.0000 %	%	98.0000 %	94.0000 %	93.0000 %		
1,2-DICHLOROPROPANE	0.0031	0.0050		0.0000 ND	ND	0.0000 ND	0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		94.0000 %	%	97.0000 %	95.0000 %	94.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0100	0.0100		0.0000 ND	ND	0.0000 ND	0.0000 ND	0.0000 ND		
2-HEXANONE	0.0100	0.0500		0.0000 ND	ND	0.0000 ND	0.0000 ND	0.0000 ND		
ACETONE	0.0100	0.1000	8000.000	0.0056 TR	ND	0.0073 TR	0.0000 ND	0.0000 ND		
BENZENE	0.0021	0.0050	24.1000	0.0000 ND	ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0021	0.0050		0.0000 ND	ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMOFORM	0.0051	0.0050	88.6000	0.0000 ND	ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0041	0.0100	32.0000	0.0000 ND	ND	0.0000 ND	0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0051	0.0050	8000.000	0.0000 ND	ND	0.0000 ND	0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0031	0.0050		0.0000 ND	ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0021	N/A	2160.000	0.0000 ND	ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0100	0.0100		0.0000 ND	ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROFORM	0.0021	0.0050		0.0000 ND	ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0062	0.0100		0.0000 ND	ND	0.0000 ND	0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0041	0.0050		0.0000 ND	ND	0.0000 ND	0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0021	0.0050	8000.000	0.0000 ND	ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0100	0.1000	48000.00	0.0000 ND	ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0100	0.0500		0.0000 ND	ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0031	0.0050	93.3000	0.0028 TR		0.0069	2.5000 TR	2.7000 TR		
STYRENE	0.0051	0.0050		0.0000 ND	ND	0.0000 ND	0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0021	0.0050	800.0000	0.0000 ND	ND	0.0000 ND	0.0000 ND	2.4000		
TOLUENE	0.0031	0.0050	16000.00	0.0000 ND	ND	0.0000 ND	0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		96.0000 %	%	101.0000 %	95.0000 %	96.0000 %		
TRICHLOROETHYLENE (TCE)	0.0031	0.0050	63.6000	0.0000 ND	ND	0.0000 ND	0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0072	0.0500		0.0000 ND	ND	0.0000 ND	0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0041	0.0100		0.0000 ND	ND	0.0000 ND	0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0051	0.0050	160000.0	0.0000 ND	ND	0.0000 ND	0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0051	0.0050		0.0000 ND	ND	0.0000 ND	0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0051	0.0050		0.0000 ND	ND	0.0000 ND	0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0031	0.0050		0.0000 ND	ND	0.0000 ND	0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-259: Oil/Water Separator Building 20422
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-259-05-0913 Lab ID: P277443	Field ID: Lab ID: P277443	Field ID: KAFB-259-05-1620 Lab ID: P277444	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-259-06219 Lab ID: P277440	Ambient Blank Field ID: Lab ID:	Lab ID:
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	ND	0.0000 ND		0.0000 ND		
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	ND	0.0000 ND		0.0000 ND		
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	ND	0.0000 ND		0.0000 ND		
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	ND	0.0000 ND		0.0000 ND		
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	ND	0.0000 ND		0.0000 ND		
2,4,6-TRIBROMOPHENOL	N/A	N/A		85.0000		85.0000		90.0000		
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	ND	0.0000 ND		0.0000 ND		
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	ND	0.0000 ND		0.0000 ND		
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	ND	0.0000 ND		0.0000 ND		
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	ND	0.0000 ND		0.0000 ND		
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	ND	0.0000 ND		0.0000 ND		
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	ND	0.0000 ND		0.0000 ND		
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	ND	0.0000 ND		0.0000 ND		
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	ND	0.0000 ND		0.0000 ND		
2-FLUOROBIPHENYL	N/A	N/A		44.0000		47.0000		45.0000		
2-FLUOROPHENOL	N/A	N/A		80.0000		90.0000		47.0000		
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	ND	0.0000 ND		0.0000 ND		
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	ND	0.0000 ND		0.0000 ND		
2-NITROANILINE	170.0000	3.3000		0.0000 ND	ND	0.0000 ND		0.0000 ND		
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	ND	0.0000 ND		0.0000 ND		
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	ND	0.0000 ND		0.0000 ND		
3-NITROANILINE	170.0000	3.3000		0.0000 ND	ND	0.0000 ND		0.0000 ND		
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	ND	0.0000 ND		0.0000 ND		
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	ND	0.0000 ND		0.0000 ND		
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	ND	0.0000 ND		0.0000 ND		
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	ND	0.0000 ND		0.0000 ND		
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	ND	0.0000 ND		0.0000 ND		
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	ND	0.0000 ND		0.0000 ND		
4-NITROANILINE	170.0000	3.3000		0.0000 ND	ND	0.0000 ND		0.0000 ND		
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	ND	0.0000 ND		0.0000 ND		
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	ND	0.0000 ND		0.0000 ND		
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	ND	0.0000 ND		0.0000 ND		
ANTHRACENE	200.0000	0.7000		0.0000 ND	ND	0.0000 ND		0.0000 ND		
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	ND	0.0000 ND		0.0000 ND		
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	ND	0.0000 ND		0.0000 ND		
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	ND	0.0000 ND		0.0000 ND		
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	ND	0.0000 ND		0.0000 ND		
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	ND	0.0000 ND		0.0000 ND		
BENZOIC ACID	570.0000	1.6000		0.0000 ND	ND	0.0000 ND		0.0000 ND		
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	ND	0.0000 ND		0.0000 ND		
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	ND	0.0000 ND		0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-259: Oil/Water Separator Building 20422
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-259-05-0913 Lab ID: P277443	Field ID: Lab ID: P277443	Field ID: KAFB-259-05-1620 Lab ID: P277444	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-259-06219 Lab ID: P277440	Ambient Blank Field ID: Lab ID:	Lab ID:
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	ND	0.0000 ND		0.0000 ND		
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	ND	260.0000		0.0000 ND		
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	ND	0.0000 ND		0.0000 ND		
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	ND	0.0000 ND		0.0000 ND		
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	ND	0.0000 ND		0.0000 ND		
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	ND	0.0000 ND		0.0000 ND		
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	ND	0.0000 ND		0.0000 ND		
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	ND	0.0000 ND		0.0000 ND		
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	ND	0.0000 ND		0.0000 ND		
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	ND	0.0000 ND		0.0000 ND		
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	ND	0.0000 ND		0.0000 ND		
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	ND	0.0000 ND		0.0000 ND		
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	ND	0.0000 ND		0.0000 ND		
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	ND	0.0000 ND		0.0000 ND		
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	ND	0.0000 ND		0.0000 ND		
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	ND	0.0000 ND		0.0000 ND		
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	ND	0.0000 ND		0.0000 ND		
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	ND	0.0000 ND		0.0000 ND		
NITROBENZENE	130.0000	0.7000		0.0000 ND	ND	0.0000 ND		0.0000 ND		
NITROBENZENE-D5	N/A	0.7000		44.0000		47.0000		46.0000		
PENTACHLOROPHENOL	230.0000	3.3000	5.6300	0.0000 ND	ND	0.0000 ND		0.0000 ND		
PHENANTHRENE	230.0000	0.7000		0.0000 ND	ND	0.0000 ND		0.0000 ND		
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	ND	0.0000 ND		0.0000 ND		
PHENOL-D5	N/A	N/A		80.0000		90.0000		37.0000		
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	ND	0.0000 ND		0.0000 ND		
TERPHENYL-D14	N/A	N/A		50.0000		55.0000		55.0000		
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	ND	0.0000 ND		0.0000 ND		
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	ND	0.0000 ND		0.0000 ND		
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND	ND	0.0000 ND		0.0000 ND		
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	ND	0.0000 ND		0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-259: Oil/Water Separator Building 20422
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-259-05-0913 Lab ID: P277443	Field ID: Lab ID: P277443	Field ID: Lab ID: P277443	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.1000						
pH	N/A	N/A		8.2000						

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-260: Oil/Water Separator Building 20422
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-260-01-0509 Lab ID: 0363790012SA	Field ID: KAFB-260-01-1014 Lab ID: 0363790015SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		11.0000	2.8000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-260: Oil/Water Separator Building 20422
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-260-01-0509 Lab ID: P277526	Field ID: KAFB-260-01-1014 Lab ID: P277527	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-260-06229 Lab ID: P277525	Ambient Blank Field ID: Lab ID:	Lab ID:
ALUMINUM	2.0000	50.0000		7300.0000	4950.0000			55.0000		
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		
BARIUM	0.2000	2.0000	5600.000	468.0000	51.6000			0.0000 ND		
BERYLLIUM	0.2000	0.3000	16.3000	0.5400	0.4100			0.0000 ND		
CADMIUM	0.5000	4.0000	40.0000	0.7600	0.5100			0.0000 ND		
CALCIUM	2.0000	10.0000		69300.0000	14700.0000			44.0000		
CHROMIUM, TOTAL	1.0000	7.0000		13.8000	5.2000			0.0000 ND		
COBALT	1.0000	7.0000		5.8000	6.2000			0.0000 ND		
COPPER	0.1000	6.0000		36.6000	23.1000			38.0000		
IRON	0.8000	7.0000		11300.0000	16900.0000			17.0000		
LEAD	3.0000	50.0000	400.0000	26.0000	0.0000 ND			0.0000 ND		
MAGNESIUM	3.0000	30.0000		5760.0000	3360.0000			0.0000 ND		
MANGANESE	0.3000	2.0000	400.0000	185.0000	282.0000			0.0000 ND		
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		
NICKEL	3.0000	15.0000	1600.000	221.0000	12.0000			0.0000 ND		
POTASSIUM	20.0000	500.0000		1700.0000	1410.0000			0.0000 ND		
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		
SILVER	0.3000	7.0000	400.0000	0.4300	0.0000 ND			5.0000		
SODIUM	3.0000	30.0000		198.0000	75.6000			81.0000		
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		
VANADIUM	0.4000	8.0000	720.0000	31.4000	27.0000			0.0000 ND		
ZINC	0.7000	2.0000	24000.00	48.5000	37.6000			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-260: Oil/Water Separator Building 20422
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-260-01-0509 Lab ID: P277526	Field ID: KAFB-260-01-1014 Lab ID: P277527	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-260-06229 Lab ID: P277525	Ambient Blank Field ID: Lab ID:	Lab ID:
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-260: Oil/Water Separator Building 20422
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-260-01-0509 Lab ID:	Field ID: KAFB-260-01-1014 Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-260-06229 Lab ID: P277525	Ambient Blank Field ID: Lab ID:	Lab ID:
GASOLINE COMPONENTS	100.0000	1.0000		0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-260: Oil/Water Separator Building 20422
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-260-01-0509 Lab ID: P277526	Field ID: KAFB-260-01-1014 Lab ID: P277527	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-260-06229 Lab ID: P277525	Ambient Blank Field ID: Lab ID:	Lab ID:
DIESEL COMPONENTS	70.0000	10.0000		4000.0000	550.0000			0.0000 ND		
PENTACOSANE	N/A	N/A		3730.0000	3730.0000			112.0000		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-260: Oil/Water Separator Building 20422
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-260-01-0509 Lab ID: 0363790012SA	Field ID: KAFB-260-01-1014 Lab ID: 0363790015SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-062294 Lab ID: 0363790010TB	Equipment Blank Field ID: KAFB-EB-260-06229 Lab ID: 0363790011EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0034	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0056	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0056	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0045	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0056	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0045	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		101.0000 %	106.0000 %		105.0000 %	104.0000 %		
1,2-DICHLOROPROPANE	0.0034	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		94.0000 %	85.0000 %		95.0000 %	99.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ACETONE	0.0110	0.1000	8000.000	0.0082 TR	0.0043 TR		0.0000 ND	0.0000 ND		
BENZENE	0.0022	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0022	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0056	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0045	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0056	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0034	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0022	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0022	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0067	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0045	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0022	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0034	0.0050	93.3000	0.0038	0.0033		9.2000 =	7.2000		
STYRENE	0.0056	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0022	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0034	0.0050	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		105.0000 %	113.0000 %		103.0000 %	105.0000 %		
TRICHLOROETHYLENE (TCE)	0.0034	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0079	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0045	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0056	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0056	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0056	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0034	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-260: Oil/Water Separator Building 20422
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-260-01-0509 Lab ID: P277526	Field ID: KAFB-260-01-1014 Lab ID: P277527	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-260-06229 Lab ID: P277525	Ambient Blank Field ID: Lab ID:	Lab ID:
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4,6-TRIBROMOPHENOL	N/A	N/A		90.0000	95.0000			75.0000		
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2-FLUOROBIPHENYL	N/A	N/A		50.0000	50.0000			40.0000		
2-FLUOROPHENOL	N/A	N/A		95.0000	95.0000			45.0000		
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-260: Oil/Water Separator Building 20422
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-260-01-0509 Lab ID: P277526	Field ID: KAFB-260-01-1014 Lab ID: P277527	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-260-06229 Lab ID: P277525	Ambient Blank Field ID: Lab ID:	Lab ID:
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND			0.0000 ND		
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
FLUORANTHENE	230.0000	0.7000	3360.000	420.0000	0.0000 ND			0.0000 ND		
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
NITROBENZENE-D5	N/A	0.7000		50.0000	50.0000			41.0000		
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		
PHENANTHRENE	230.0000	0.7000		280.0000	0.0000 ND			0.0000 ND		
PHENOL	130.0000	0.3000	48000.00	160.0000	0.0000 ND			0.0000 ND		
PHENOL-D5	N/A	N/A		95.0000	95.0000			35.0000		
PYRENE	230.0000	0.7000	2400.000	290.0000	0.0000 ND			0.0000 ND		
TERPHENYL-D14	N/A	N/A		48.0000	60.0000			44.0000		
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-260: Oil/Water Separator Building 20422
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-260-01-0509 Lab ID: P277526	Field ID: KAFB-260-01-1014 Lab ID: P277527	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.2000	8.2000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-260: Oil/Water Separator Building 20422
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-260-02-0509 Lab ID: 0363790013SA	Field ID: KAFB-260-02-1014 Lab ID: 0363790014SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		3.0000	2.9000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-260: Oil/Water Separator Building 20422
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-260-02-0509 Lab ID: P277528	Field ID: KAFB-260-02-1014 Lab ID: P277529	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-260-06229 Lab ID: P277525	Ambient Blank Field ID: Lab ID:	Lab ID:
ALUMINUM	2.0000	50.0000		5420.0000	2950.0000			55.0000		
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		
BARIUM	0.2000	2.0000	5600.000	107.0000	57.9000			0.0000 ND		
BERYLLIUM	0.2000	0.3000	16.3000	0.5600	0.3100			0.0000 ND		
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND			0.0000 ND		
CALCIUM	2.0000	10.0000		24900.0000	18800.0000			44.0000		
CHROMIUM, TOTAL	1.0000	7.0000		5.2000	7.7000			0.0000 ND		
COBALT	1.0000	7.0000		5.8000	4.6000			0.0000 ND		
COPPER	0.1000	6.0000		18.6000	180.0000			38.0000		
IRON	0.8000	7.0000		9950.0000	7010.0000			17.0000		
LEAD	3.0000	50.0000	400.0000	5.2000	4.7000			0.0000 ND		
MAGNESIUM	3.0000	30.0000		4780.0000	2500.0000			0.0000 ND		
MANGANESE	0.3000	2.0000	400.0000	224.0000	183.0000			0.0000 ND		
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		
NICKEL	3.0000	15.0000	1600.000	5.4000	11.0000			0.0000 ND		
POTASSIUM	20.0000	500.0000		1330.0000	953.0000			0.0000 ND		
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		
SILVER	0.3000	7.0000	400.0000	0.3300	0.4100			5.0000		
SODIUM	3.0000	30.0000		114.0000	84.9000			81.0000		
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		
VANADIUM	0.4000	8.0000	720.0000	30.9000	14.6000			0.0000 ND		
ZINC	0.7000	2.0000	24000.00	33.7000	82.4000			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-260: Oil/Water Separator Building 20422
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-260-02-0509 Lab ID: P277528	Field ID: KAFB-260-02-1014 Lab ID: P277529	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-260-06229 Lab ID: P277525	Ambient Blank Field ID: Lab ID:	Lab ID:
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-260: Oil/Water Separator Building 20422
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-260-02-0509 Lab ID:	Field ID: KAFB-260-02-1014 Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-260-06229 Lab ID: P277525	Ambient Blank Field ID: Lab ID:	Lab ID:
GASOLINE COMPONENTS	100.0000	1.0000		0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-260: Oil/Water Separator Building 20422
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-260-02-0509 Lab ID: P277528	Field ID: KAFB-260-02-1014 Lab ID: P277529	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-260-06229 Lab ID: P277525	Ambient Blank Field ID: Lab ID:	Lab ID:
DIESEL COMPONENTS	70.0000	10.0000		520.0000	0.0000 ND			0.0000 ND		
PENTACOSANE	N/A	N/A		3630.0000	3680.0000			112.0000		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-260: Oil/Water Separator Building 20422
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-260-02-0509 Lab ID: 0363790013SA	Field ID: KAFB-260-02-1014 Lab ID: 0363790014SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-062294 Lab ID: 0363790010TB	Equipment Blank Field ID: KAFB-EB-260-06229 Lab ID: 0363790011EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0031	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0052	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0052	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0041	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0052	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0041	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		101.0000 %	97.0000 %		105.0000 %	104.0000 %		
1,2-DICHLOROPROPANE	0.0031	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		84.0000 %	92.0000 %		95.0000 %	99.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0100	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0100	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ACETONE	0.0100	0.1000	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BENZENE	0.0021	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0021	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0052	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0041	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0052	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0031	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0021	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0100	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0021	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0062	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0041	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0021	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0100	0.1000	48000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0100	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0031	0.0050	93.3000	0.0037	0.0023 TR		9.2000 =	7.2000		
STYRENE	0.0052	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0021	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0031	0.0050	16000.00	0.0018 TR	0.0015 TR		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		113.0000 %	101.0000 %		103.0000 %	105.0000 %		
TRICHLOROETHYLENE (TCE)	0.0031	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0072	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0041	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0052	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0052	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0052	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0031	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-260: Oil/Water Separator Building 20422
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-260-02-0509 Lab ID: P277528	Field ID: KAFB-260-02-1014 Lab ID: P277529	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-260-06229 Lab ID: P277525	Ambient Blank Field ID: Lab ID:	Lab ID:
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4,6-TRIBROMOPHENOL	N/A	N/A		100.0000	95.0000			75.0000		
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2-FLUOROBIPHENYL	N/A	N/A		50.0000	50.0000			40.0000		
2-FLUOROPHENOL	N/A	N/A		95.0000	90.0000			45.0000		
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-260: Oil/Water Separator Building 20422
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-260-02-0509 Lab ID: P277528	Field ID: KAFB-260-02-1014 Lab ID: P277529	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-260-06229 Lab ID: P277525	Ambient Blank Field ID: Lab ID:	Lab ID:
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND			0.0000 ND		
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
NITROBENZENE-D5	N/A	0.7000		50.0000	49.0000			41.0000		
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	0.0000 ND			0.0000 ND		
PHENOL-D5	N/A	N/A		95.0000	90.0000			35.0000		
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		
TERPHENYL-D14	N/A	N/A		60.0000	55.0000			44.0000		
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-260: Oil/Water Separator Building 20422
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-260-02-0509 Lab ID: P277528	Field ID: KAFB-260-02-1014 Lab ID: P277529	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.3000	7.8000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-261: Oil/Water Separator Building 20423
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-261-01-0305 Lab ID: 0363790016SA	Field ID: KAFB-261-01-0610 Lab ID: 0363790017SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		6.7000	6.2000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-261: Oil/Water Separator Building 20423
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-261-01-0305 Lab ID: P277530	Field ID: KAFB-261-01-0810 Lab ID: P277531	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-260-06229 Lab ID: P277525	Ambient Blank Field ID: Lab ID:	Lab ID:
ALUMINUM	2.0000	50.0000		3690.0000	3210.0000			55.0000		
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		
ARSENIC	6.0000	60.0000	38.9000	10.3000	0.0000 ND			0.0000 ND		
BARIUM	0.2000	2.0000	5600.000	129.0000	78.8000			0.0000 ND		
BERYLLIUM	0.2000	0.3000	16.3000	0.4500	0.4200			0.0000 ND		
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND			0.0000 ND		
CALCIUM	2.0000	10.0000		28300.0000	27000.0000			44.0000		
CHROMIUM, TOTAL	1.0000	7.0000		4.8000	4.1000			0.0000 ND		
COBALT	1.0000	7.0000		3.1000	3.0000			0.0000 ND		
COPPER	0.1000	6.0000		19.0000	13.5000			38.0000		
IRON	0.8000	7.0000		5620.0000	5340.0000			17.0000		
LEAD	3.0000	50.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		
MAGNESIUM	3.0000	30.0000		2330.0000	2140.0000			0.0000 ND		
MANGANESE	0.3000	2.0000	400.0000	79.5000	81.5000			0.0000 ND		
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		
NICKEL	3.0000	15.0000	1600.000	3.6000	3.3000			0.0000 ND		
POTASSIUM	20.0000	500.0000		741.0000	623.0000			0.0000 ND		
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		
SILVER	0.3000	7.0000	400.0000	0.5600	0.5300			5.0000		
SODIUM	3.0000	30.0000		151.0000	101.0000			81.0000		
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		
VANADIUM	0.4000	8.0000	720.0000	22.5000	13.7000			0.0000 ND		
ZINC	0.7000	2.0000	24000.00	19.1000	18.8000			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-261: Oil/Water Separator Building 20423
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-261-01-0305 Lab ID: P277530	Field ID: KAFB-261-01-0810 Lab ID: P277531	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-260-06229 Lab ID: P277525	Ambient Blank Field ID: Lab ID:	Lab ID:
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-261: Oil/Water Separator Building 20423
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-261-01-0305 Lab ID:	Field ID: KAFB-261-01-0810 Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-260-06229 Lab ID: P277525	Ambient Blank Field ID: Lab ID:	Lab ID:
GASOLINE COMPONENTS	100.0000	1.0000		0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-261: Oil/Water Separator Building 20423
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-261-01-0305 Lab ID: P277530	Field ID: KAFB-261-01-0810 Lab ID: P277531	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-260-06229 Lab ID: P277525	Ambient Blank Field ID: Lab ID:	Lab ID:
DIESEL COMPONENTS	70.0000	10.0000		740.0000	1300.0000			0.0000 ND		
PENTACOSANE	N/A	N/A		3720.0000	3600.0000			112.0000		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-261: Oil/Water Separator Building 20423
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-261-01-0305 Lab ID: 0363790016SA	Field ID: KAFB-261-01-0810 Lab ID: 0363790017SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-062294 Lab ID: 0363790010TB	Equipment Blank Field ID: KAFB-EB-260-06229 Lab ID: 0363790011EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0032	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0054	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0054	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0043	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0054	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0043	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		98.0000 %	103.0000 %		105.0000 %	104.0000 %		
1,2-DICHLOROPROPANE	0.0032	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		99.0000 %	98.0000 %		95.0000 %	99.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ACETONE	0.0110	0.1000	8000.000	0.0031 TR	0.0000 ND		0.0000 ND	0.0000 ND		
BENZENE	0.0021	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0021	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0054	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0043	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0054	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0032	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0021	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0021	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0064	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0043	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0021	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0032	0.0050	93.3000	0.0030 TR	0.0036		9.2000 =	7.2000		
STYRENE	0.0054	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0021	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0032	0.0050	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		101.0000 %	99.0000 %		103.0000 %	105.0000 %		
TRICHLOROETHYLENE (TCE)	0.0032	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0075	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0043	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0054	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0054	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0054	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0032	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-261: Oil/Water Separator Building 20423
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-261-01-0305 Lab ID: P277530	Field ID: KAFB-261-01-0810 Lab ID: P277531	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-260-06229 Lab ID: P277525	Ambient Blank Field ID: Lab ID:	Lab ID:
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4,6-TRIBROMOPHENOL	N/A	N/A		80.0000	80.0000			75.0000		
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2-FLUOROBIPHENYL	N/A	N/A		48.0000	48.0000			40.0000		
2-FLUOROPHENOL	N/A	N/A		85.0000	80.0000			45.0000		
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-261: Oil/Water Separator Building 20423
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-261-01-0305 Lab ID: P277530	Field ID: KAFB-261-01-0810 Lab ID: P277531	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-260-06229 Lab ID: P277525	Ambient Blank Field ID: Lab ID:	Lab ID:
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND			0.0000 ND		
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
NITROBENZENE-D5	N/A	0.7000		48.0000	47.0000			41.0000		
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	0.0000 ND			0.0000 ND		
PHENOL-D5	N/A	N/A		90.0000	90.0000			35.0000		
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		
TERPHENYL-D14	N/A	N/A		55.0000	55.0000			44.0000		
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-261: Oil/Water Separator Building 20423
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-261-01-0305 Lab ID: P277530	Field ID: KAFB-261-01-0810 Lab ID: P277531	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		7.8000	7.9000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-261: Oil/Water Separator Building 20423
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-261-02-0305 Lab ID: 0363790018SA	Field ID: KAFB-261-02-0810 Lab ID: 0363790019SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		7.5000	7.2000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-261: Oil/Water Separator Building 20423
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: *Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-261-02-0305 Lab ID: P277532	Field ID: KAFB-261-02-0810 Lab ID: P277533	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-260-06229 Lab ID: P277525	Ambient Blank Field ID: Lab ID:	Lab ID:
ALUMINUM	2.0000	50.0000		3640.0000	4660.0000			55.0000		
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		
BARIUM	0.2000	2.0000	5600.000	186.0000	135.0000			0.0000 ND		
BERYLLIUM	0.2000	0.3000	16.3000	0.4300	0.4300			0.0000 ND		
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND			0.0000 ND		
CALCIUM	2.0000	10.0000		39200.0000	21600.0000			44.0000		
CHROMIUM, TOTAL	1.0000	7.0000		4.9000	5.4000			0.0000 ND		
COBALT	1.0000	7.0000		2.9000	4.2000			0.0000 ND		
COPPER	0.1000	6.0000		9.4000	43.8000			38.0000		
IRON	0.8000	7.0000		5040.0000	8420.0000			17.0000		
LEAD	3.0000	50.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		
MAGNESIUM	3.0000	30.0000		2480.0000	3680.0000			0.0000 ND		
MANGANESE	0.3000	2.0000	400.0000	77.8000	158.0000			0.0000 ND		
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	97.7000			0.0000 ND		
NICKEL	3.0000	15.0000	1600.000	5.2000	4.9000			0.0000 ND		
POTASSIUM	20.0000	500.0000		623.0000	983.0000			0.0000 ND		
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			5.0000		
SODIUM	3.0000	30.0000		153.0000	97.7000			81.0000		
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		
VANADIUM	0.4000	8.0000	720.0000	24.3000	19.1000			0.0000 ND		
ZINC	0.7000	2.0000	24000.00	14.0000	34.4000			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-261: Oil/Water Separator Building 20423
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-261-02-0305 Lab ID: P277532	Field ID: KAFB-261-02-0810 Lab ID: P277533	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-260-06229 Lab ID: P277525	Ambient Blank Field ID: Lab ID:	Lab ID:
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-261: Oil/Water Separator Building 20423
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-261-02-0305 Lab ID:	Field ID: KAFB-261-02-0810 Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-260-06229 Lab ID: P277525	Ambient Blank Field ID: Lab ID:	Lab ID:
GASOLINE COMPONENTS	100.0000	1.0000		0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-261: Oil/Water Separator Building 20423
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-261-02-0305 Lab ID: P277532	Field ID: KAFB-261-02-0810 Lab ID: P277533	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-260-06229 Lab ID: P277525	Ambient Blank Field ID: Lab ID:	Lab ID:
DIESEL COMPONENTS	70.0000	10.0000		900.0000	750.0000			0.0000 ND		
PENTACOSANE	N/A	N/A		3900.0000	3920.0000			112.0000		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-261: Oil/Water Separator Building 20423
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-261-02-0305 Lab ID: 0363790018SA	Field ID: KAFB-261-02-0810 Lab ID: 0363790019SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-062294 Lab ID: 0363790010TB	Equipment Blank Field ID: KAFB-EB-260-06229 Lab ID: 0363790011EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0032	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0054	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0054	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0043	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0054	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0043	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		105.0000 %	98.0000 %		105.0000 %	104.0000 %		
1,2-DICHLOROPROPANE	0.0032	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		97.0000 %	98.0000 %		95.0000 %	99.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ACETONE	0.0110	0.1000	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BENZENE	0.0022	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0022	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0054	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0043	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0054	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0032	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0022	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0022	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0065	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0043	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0022	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0032	0.0050	93.3000	0.0043	0.0041		9.2000 =	7.2000		
STYRENE	0.0054	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0022	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0032	0.0050	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		99.0000 %	101.0000 %		103.0000 %	105.0000 %		
TRICHLOROETHYLENE (TCE)	0.0032	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0076	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0043	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0054	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0054	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0054	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0032	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-261: Oil/Water Separator Building 20423
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-261-02-0305 Lab ID: P277532	Field ID: KAFB-261-02-0810 Lab ID: P277533	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-260-06229 Lab ID: P277525	Ambient Blank Field ID: Lab ID:	Lab ID:
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4,6-TRIBROMOPHENOL	N/A	N/A		90.0000	75.0000			75.0000		
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2-FLUOROBIPHENYL	N/A	N/A		50.0000	46.0000			40.0000		
2-FLUOROPHENOL	N/A	N/A		90.0000	80.0000			45.0000		
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-261: Oil/Water Separator Building 20423
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-261-02-0305 Lab ID: P277532	Field ID: KAFB-261-02-0610 Lab ID: P277533	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-260-06229 Lab ID: P277525	Ambient Blank Field ID: Lab ID:	Lab ID:
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	380.0000			0.0000 ND		
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
NITROBENZENE-D5	N/A	0.7000		48.0000	46.0000			41.0000		
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	0.0000 ND			0.0000 ND		
PHENOL-D5	N/A	N/A		90.0000	85.0000			35.0000		
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		
TERPHENYL-D14	N/A	N/A		60.0000	55.0000			44.0000		
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-261: Oil/Water Separator Building 20423
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-261-02-0305 Lab ID: P277532	Field ID: KAFB-261-02-0810 Lab ID: P277533	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.0000	8.2000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-262: Oil/Water Separator Building 20698
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-262-01-0406 Lab ID: 0358000003SA	Field ID: Lab ID: 0358000003SA	Field ID: KAFB-262-01-0911 Lab ID: 0358000004SA	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		7.9000		7.5000				

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-262: Oil/Water Separator Building 20698
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-262-01-0406 Lab ID: 0358000003SA	Field ID: KAFB-262-01-0911 Lab ID: 0358000004SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-262-05319 Lab ID: 0358000002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		85.0000 %	84.0000 %			96.0000 %		
BENZENE	0.0270	N/A	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0270	N/A	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
GASOLINE COMPONENTS	0.5400	N/A		0.0000 ND	0.0000 ND			0.0000 ND		
TOLUENE	0.0270	N/A	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0270	N/A	160000.0	0.0160 TR	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-262: Oil/Water Separator Building 20698
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-262-01-0406 Lab ID: P274585	Field ID: KAFB-262-01-0911 Lab ID: P274586	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-262-05319 Lab ID: P274584	Ambient Blank Field ID: Lab ID:	Lab ID: P276058
ALUMINUM	2.0000	50.0000		6640.0000	7950.0000			28.0000		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	103.0000	241.0000			0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.4100	0.4400			0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		16700.0000	53900.0000			26.0000		0.0000 ND
CHROMIUM, TOTAL	1.0000	7.0000		7.4000	8.5000			12.0000		0.0000 ND
COBALT	1.0000	7.0000		6.7000	4.7000			0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		29.7000	23.4000			4.0000		0.0000 ND
IRON	0.8000	7.0000		13200.0000	11900.0000			33.0000		2.5000
LEAD	3.0000	50.0000	400.0000	6.4000	0.0000 ND			0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		4370.0000	5570.0000			71.0000		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	236.0000	175.0000			0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	7.3000	4.3000			0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		1330.0000	1420.0000			0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		96.6000	109.0000			58.0000		0.0000 ND
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	23.3000	43.6000			0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	35.9000	32.7000			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-262: Oil/Water Separator Building 20698
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-262-01-0406 Lab ID: P274585	Field ID: KAFB-262-01-0911 Lab ID: P274586	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-262-05319 Lab ID: P274584	Ambient Blank Field ID: Lab ID:	Lab ID: P276186
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-262: Oil/Water Separator Building 20698
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-262-01-0406 Lab ID: P274585	Field ID: KAFB-262-01-0911 Lab ID: P274586	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-262-05319 Lab ID: P274584	Ambient Blank Field ID: Lab ID:	Lab ID: P276084
DIESEL COMPONENTS	70.0000	10.0000		610.0000	880.0000			0.0000 ND		0.0000 ND
PENTACOSANE	N/A	N/A		4120.0000	4050.0000			101.0000		3920.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-262: Oil/Water Separator Building 20698
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8080: Organochlorine Pesticides and PCBs
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8080: Organochlorine Pesticides and PCBs
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-262-01-0406 Lab ID: P274585	Field ID: KAFB-262-01-0911 Lab ID: P274586	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-262-05319 Lab ID: P274584	Ambient Blank Field ID: Lab ID:	Lab ID: P275992
2,4,5,6-TETRACHLORO-META-XYLENE	N/A	N/A		7.8000	7.6000			0.2100		7.4000
ALDRIN	0.2700	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	0.5300	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	1.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
CHLORDANE	4.5000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DDD (1,1-bis(CHLOROPHENYL)-2,2-DICHLOROETHANE)	0.6700	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ODE (1,1-bis(CHLOROPHENYL)-2,2-DICHLOROETHENE)	1.2000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DDT (1,1-bis(CHLOROPHENYL)-2,2,2-TRICHLOROETHANE)	0.5000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DECACHLOROBIPHENYL	N/A	N/A		5.4000	5.6000			0.1600		5.5000
DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	0.2900	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIELDRIN	0.8600	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ENDOSULFAN	0.4500	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ENDOSULFAN SULFATE	0.8000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ENDRIN	0.9000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ENDRIN ALDEHYDE	0.8300	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
GAMMA BHC (LINDANE)	0.3000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEPTACHLOR	0.4200	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEPTACHLOR EPOXIDE	0.5300	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
METHOXYCHLOR	4.4000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PCB-1016 (AROCHLOR 1016)	4.4000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PCB-1221 (AROCHLOR 1221)	3.3000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PCB-1232 (AROCHLOR 1232)	2.1000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PCB-1242 (AROCHLOR 1242)	8.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PCB-1248 (AROCHLOR 1248)	2.3000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PCB-1254 (AROCHLOR 1254)	5.3000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PCB-1260 (AROCHLOR 1260)	5.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
TOXAPHENE	130.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-262: Oil/Water Separator Building 20698
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8140: Organophosphorus Pesticides
Matrix: Soil
Units: Milligrams per Kilogram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-262-01-0406 Lab ID: 0358000003SA	Field ID: KAFB-262-01-0911 Lab ID: 0358000004SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
AZINPHOS, METHYL (GUTHION)	1.1000	N/A		0.0000 ND	0.0000 ND					
BOLSTAR	0.1100	N/A		0.0000 ND	0.0000 ND					
CHLORPYRIFOS	0.2200	N/A		0.0000 ND	0.0000 ND					
COUMAPHOS	1.1000	N/A		0.0000 ND	0.0000 ND					
DEMETON	0.2200	N/A		0.0000 ND	0.0000 ND					
DIAZINON	0.4300	N/A		0.0000 ND	0.0000 ND					
DICHLORVOS	0.7600	N/A		0.0000 ND	0.0000 ND					
DISULFOTON	0.1100	N/A		0.0000 ND	0.0000 ND					
ETHION	N/A	N/A		60.0000 %	59.0000 %					
ETHOPROP	0.2200	N/A		0.0000 ND	0.0000 ND					
FENSULFOTHION	1.1000	N/A		0.0000 ND	0.0000 ND					
FENTHION	0.1100	N/A		0.0000 ND	0.0000 ND					
MERPHOS	0.2200	N/A		0.0000 ND	0.0000 ND					
MEVINPHOS	0.2200	N/A		0.0000 ND	0.0000 ND					
NALED	0.1100	N/A		0.0000 ND	0.0000 ND					
PARATHION, METHYL	0.0220	N/A		0.0000 ND	0.0000 ND					
PHORATE	0.1100	N/A		0.0000 ND	0.0000 ND					
RONNEL	0.2200	N/A		0.0000 ND	0.0000 ND					
STIROFOS (TETRACHLORVINPHOS)	2.6000	N/A		0.0000 ND	0.0000 ND					
TOKUTHION (PROTHIOFOS)	0.4300	N/A		0.0000 ND	0.0000 ND					
TRICHLORONATE	0.1100	N/A		0.0000 ND	0.0000 ND					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-262: Oil/Water Separator Building 20698
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8150: Chlorinated Herbicides
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8150: Chlorinated Herbicides
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-262-01-0406 Lab ID: P274585	Field ID: KAFB-262-01-0911 Lab ID: P274586	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-262-05319 Lab ID: P274584	Ambient Blank Field ID: Lab ID:	Lab ID: P275251
2,4 DB	40.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-T (TRICHLOROPHENOXYACETIC ACID)	4.0000	N/A		0.0000 ND	0.0000			0.0000 ND		0.0000 ND
2,4-D (DICHLOROPHENOXYACETIC ACID)	20.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENYLACETIC ACID	N/A	N/A		97.0000	98.0000			28.0000		105.0000
DALAPON	20.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DICAMBA	3.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DICHLOROPROP	20.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DINOSEB	40.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
MCPA	3000.000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
MCPP	3000.000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-262: Oil/Water Separator Building 20698
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-262-01-0406 Lab ID: 0358000003SA	Field ID: KAFB-262-01-0911 Lab ID: 0358000004SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-053194 Lab ID: 0358000001TB	Equipment Blank Field ID: KAFB-EB-262-05319 Lab ID: 0358000002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0054	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0054	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0043	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0054	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0043	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		96.0000 %	94.0000 %		98.0000 %	94.0000 %		
1,2-DICHLOROPROPANE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		98.0000 %	97.0000 %		100.0000 %	100.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ACETONE	0.0110	0.1000	8000.000	0.0120	0.0220		8.0000 TR	0.0000 ND		
BENZENE	0.0022	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0022	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0054	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0043	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0054	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0022	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0022	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0065	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0043	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0022	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0029 TR	0.0081 TR		0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0012 TR	0.0000 ND		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0033	0.0050	93.3000	0.0030 TR	0.0032		1.3000 TR	1.4000 TR		
STYRENE	0.0054	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0022	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0033	0.0050	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		102.0000 %	104.0000 %		100.0000 %	101.0000 %		
TRICHLOROETHYLENE (TCE)	0.0033	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0076	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0043	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0054	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0054	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0054	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-262: Oil/Water Separator Building 20698
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-262-01-0406 Lab ID: P274585	Field ID: KAFB-262-01-0911 Lab ID: P274586	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-262-05319 Lab ID: P274584	Ambient Blank Field ID: Lab ID:	Lab ID: P276021
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		64.0000	60.0000			150.0000		65.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		34.0000	33.0000			70.0000		35.0000
2-FLUOROPHENOL	N/A	N/A		59.0000	56.0000			100.0000		63.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-262: Oil/Water Separator Building 20698
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-262-01-0406 Lab ID: P274585	Field ID: KAFB-262-01-0911 Lab ID: P274586	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-262-05319 Lab ID: P274584	Ambient Blank Field ID: Lab ID:	Lab ID: P276021
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		34.0000	32.0000			75.0000		36.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	220.0000			0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		68.0000	65.0000			65.0000		71.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		35.0000	33.0000			75.0000		38.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	100.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-262: Oil/Water Separator Building 20698
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-262-01-0406 Lab ID: P274585	Field ID: Lab ID: P274585	Field ID: KAFB-262-01-0911 Lab ID: P274586	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.6000		8.2000				

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-262: Oil/Water Separator Building 20698
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-262-02-0406 Lab ID: 0358000005SA	Field ID: KAFB-262-02-0911 Lab ID: 0358000006SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		8.6000	7.6000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-262: Oil/Water Separator Building 20698
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-262-02-0406 Lab ID: 0358000005SA	Field ID: KAFB-262-02-0911 Lab ID: 0358000006SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-262-05319 Lab ID: 0358000002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		90.0000 %	92.0000 %			96.0000 %		
BENZENE	0.0270	N/A	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0270	N/A	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
GASOLINE COMPONENTS	0.5500	N/A		0.0000 ND	0.0000 ND			0.0000 ND		
TOLUENE	0.0270	N/A	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0270	N/A	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-262: Oil/Water Separator Building 20698
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-262-02-0406 Lab ID: P274587	Field ID: KAFB-262-02-0911 Lab ID: P274588	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-262-05319 Lab ID: P274584	Ambient Blank Field ID: Lab ID:	Lab ID: P276058
ALUMINUM	2.0000	50.0000		7970.0000	7160.0000			28.0000		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	212.0000	98.9000			0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.5400	0.4300			0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		74200.0000	21700.0000			26.0000		0.0000 ND
CHROMIUM, TOTAL	1.0000	7.0000		8.2000	9.4000			12.0000		0.0000 ND
COBALT	1.0000	7.0000		4.8000	6.4000			0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		11.0000	20.6000			4.0000		0.0000 ND
IRON	0.8000	7.0000		11400.0000	15000.0000			33.0000		2.5000
LEAD	3.0000	50.0000	400.0000	5.7000	6.6000			0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		6400.0000	4840.0000			71.0000		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	174.0000	262.0000			0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	4.0000	7.8000			0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		1570.0000	1760.0000			0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		151.0000	128.0000			58.0000		0.0000 ND
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	43.0000	26.9000			0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	26.9000	40.3000			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-262: Oil/Water Separator Building 20698
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-262-02-0406 Lab ID: P274587	Field ID: KAFB-262-02-0911 Lab ID: P274588	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-262-05319 Lab ID: P274584	Ambient Blank Field ID: Lab ID:	Lab ID: P276186
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-262: Oil/Water Separator Building 20698
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-262-02-0406 Lab ID: P274587	Field ID: KAFB-262-02-0911 Lab ID: P274588	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-262-05319 Lab ID: P274584	Ambient Blank Field ID: Lab ID:	Lab ID: P276084
DIESEL COMPONENTS	70.0000	10.0000		980.0000	1400.0000			0.0000 ND		0.0000 ND
PENTACOSANE	N/A	N/A		4120.0000	3990.0000			101.0000		3920.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-262: Oil/Water Separator Building 20698
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8080: Organochlorine Pesticides and PCBs
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8080: Organochlorine Pesticides and PCBs
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-262-02-0406 Lab ID: P274587	Field ID: KAFB-262-02-0911 Lab ID: P274588	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-262-05319 Lab ID: P274584	Ambient Blank Field ID: Lab ID:	Lab ID: P275992
2,4,5,6-TETRACHLORO-META-XYLENE	N/A	N/A		8.1000	8.1000			0.2100		7.4000
ALDRIN	0.2700	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	0.5300	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	1.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
CHLORDANE	4.5000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DDD (1,1-bis(CHLOROPHENYL)-2,2-DICHLOROETHANE)	0.6700	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DDE (1,1-bis(CHLOROPHENYL)-2,2-DICHLOROETHENE)	1.2000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DDT (1,1-bis(CHLOROPHENYL)-2,2,2-TRICHLOROETHANE)	0.5000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DECACHLOROBIPHENYL	N/A	N/A		5.8000	5.6000			0.1600		5.5000
DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	0.2900	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIELDRIN	0.8600	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ENDOSULFAN	0.4500	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ENDOSULFAN SULFATE	0.8000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ENDRIN	0.9000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ENDRIN ALDEHYDE	0.8300	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
GAMMA BHC (LINDANE)	0.3000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEPTACHLOR	0.4200	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEPTACHLOR EPOXIDE	0.5300	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
METHOXYCHLOR	4.4000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PCB-1016 (AROCHLOR 1016)	4.4000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PCB-1221 (AROCHLOR 1221)	3.3000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PCB-1232 (AROCHLOR 1232)	2.1000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PCB-1242 (AROCHLOR 1242)	8.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PCB-1248 (AROCHLOR 1248)	2.3000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PCB-1254 (AROCHLOR 1254)	5.3000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PCB-1260 (AROCHLOR 1260)	5.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
TOXAPHENE	130.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-262: Oil/Water Separator Building 20698
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8140: Organophosphorus Pesticides
Matrix: Soil
Units: Milligrams per Kilogram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-262-02-0406 Lab ID: 0358000005SA	Field ID: KAFB-262-02-0911 Lab ID: 0358000006SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
AZINPHOS, METHYL (GUTHION)	1.1000	N/A		0.0000 ND	0.0000 ND					
BOLSTAR	0.1100	N/A		0.0000 ND	0.0000 ND					
CHLORPYRIFOS	0.2200	N/A		0.0000 ND	0.0000 ND					
COUMAPHOS	1.1000	N/A		0.0000 ND	0.0000 ND					
DEMETON	0.2200	N/A		0.0000 ND	0.0000 ND					
DIAZINON	0.4400	N/A		0.0000 ND	0.0000 ND					
DICHLORVOS	0.7700	N/A		0.0000 ND	0.0000 ND					
DISULFOTON	0.1100	N/A		0.0000 ND	0.0000 ND					
ETHION	N/A	N/A		60.0000 %	54.0000 %					
ETHOPROP	0.2200	N/A		0.0000 ND	0.0000 ND					
FENSULFOTHION	1.1000	N/A		0.0000 ND	0.0000 ND					
FENTHION	0.1100	N/A		0.0000 ND	0.0000 ND					
MERPHOS	0.2200	N/A		0.0000 ND	0.0000 ND					
MEVINPHOS	0.2200	N/A		0.0000 ND	0.0000 ND					
NALED	0.1100	N/A		0.0000 ND	0.0000 ND					
PARATHION, METHYL	0.0220	N/A		0.0000 ND	0.0000 ND					
PHORATE	0.1100	N/A		0.0000 ND	0.0000 ND					
RONNEL	0.2200	N/A		0.0000 ND	0.0000 ND					
STIROFOS (TETRACHLORVINPHOS)	2.6000	N/A		0.0000 ND	0.0000 ND					
TOKUTHION (PROTHIOFOS)	0.4400	N/A		0.0000 ND	0.0000 ND					
TRICHLORONATE	0.1100	N/A		0.0000 ND	0.0000 ND					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-262: Oil/Water Separator Building 20698
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8150: Chlorinated Herbicides
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8150: Chlorinated Herbicides
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-262-02-0406 Lab ID: P274587	Field ID: KAFB-262-02-0911 Lab ID: P274588	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-262-05319 Lab ID: P274584	Ambient Blank Field ID: Lab ID:	Lab ID: P275251
2,4 DB	40.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-T (TRICHLOROPHENOXYACETIC ACID)	4.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-D (DICHLOROPHENOXYACETIC ACID)	20.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENYLACETIC ACID	N/A	N/A		110.0000	104.0000			28.0000		105.0000
DALAPON	20.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DICAMBA	3.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DICHLOROPROP	20.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DINOSEB	40.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
MCPA	3000.000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
MCPP	3000.000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-262: Oil/Water Separator Building 20698
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-262-02-0406 Lab ID: 0358000005SA	Field ID: KAFB-262-02-0911 Lab ID: 0358000006SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-053194 Lab ID: 0358000001TB	Equipment Blank Field ID: KAFB-EB-262-05319 Lab ID: 0358000002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0055	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0055	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0044	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0055	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0044	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		94.0000 %	97.0000 %		98.0000 %	94.0000 %		
1,2-DICHLOROPROPANE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		97.0000 %	96.0000 %		100.0000 %	100.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ACETONE	0.0110	0.1000	8000.000	0.0340	0.0000 ND		8.0000 TR	0.0000 ND		
BENZENE	0.0022	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0022	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0055	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0044	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0055	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0022	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0022	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0066	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0044	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0022	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0091 TR	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0033	0.0050	93.3000	0.0030 TR	0.0030 TR		1.3000 TR	1.4000 TR		
STYRENE	0.0055	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0022	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0033	0.0050	16000.00	0.0000 ND	0.0030 TR		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		100.0000 %	99.0000 %		100.0000 %	101.0000 %		
TRICHLOROETHYLENE (TCE)	0.0033	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0077	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0044	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0055	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0055	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0055	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-262: Oil/Water Separator Building 20698
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-262-02-0406 Lab ID: P274587	Field ID: KAFB-262-02-0911 Lab ID: P274588	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-262-05319 Lab ID: P274584	Ambient Blank Field ID: Lab ID:	Lab ID: P276021
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		60.0000	58.0000			150.0000		65.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		31.0000	33.0000			70.0000		35.0000
2-FLUOROPHENOL	N/A	N/A		54.0000	53.0000			100.0000		63.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-262: Oil/Water Separator Building 20698
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-262-02-0406 Lab ID: P274587	Field ID: KAFB-262-02-0911 Lab ID: P274588	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-262-05319 Lab ID: P274584	Ambient Blank Field ID: Lab ID:	Lab ID: P276021
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		32.0000	33.0000			75.0000		36.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		62.0000	64.0000			65.0000		71.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		33.0000	34.0000			75.0000		38.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	100.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-262: Oil/Water Separator Building 20698
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-262-02-0406 Lab ID: P274587	Field ID: KAFB-262-02-0911 Lab ID: P274588	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.8000	8.7000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-262: Oil/Water Separator Building 20698
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-262-03-0406 Lab ID: 0358000007SA	Field ID: KAFB-262-03-0911 Lab ID: 0358000008SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		9.8000	8.4000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-262: Oil/Water Separator Building 20698
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-262-03-0406 Lab ID: 0358000007SA	Field ID: KAFB-262-03-0911 Lab ID: 0358000008SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-262-05319 Lab ID: 0358000002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		87.0000 %	88.0000 %			96.0000 %		
BENZENE	0.0280	N/A	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0280	N/A	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
GASOLINE COMPONENTS	0.5500	N/A		0.0000 ND	0.0000 ND			0.0000 ND		
TOLUENE	0.0280	N/A	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0280	N/A	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-262: Oil/Water Separator Building 20698
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-262-03-0406 Lab ID: P274589	Field ID: KAFB-262-03-0911 Lab ID: P274590	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-262-05319 Lab ID: P274584	Ambient Blank Field ID: Lab ID:	Lab ID: P276058
ALUMINUM	2.0000	50.0000		6060.0000	8330.0000			28.0000		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	253.0000	176.0000			0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.3200	0.4300			0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		57500.0000	20400.0000			26.0000		0.0000 ND
CHROMIUM, TOTAL	1.0000	7.0000		6.1000	10.4000			12.0000		0.0000 ND
COBALT	1.0000	7.0000		4.2000	7.8000			0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		13.7000	35.9000			4.0000		0.0000 ND
IRON	0.8000	7.0000		9180.0000	16400.0000			33.0000		2.5000
LEAD	3.0000	50.0000	400.0000	5.8000	5.3000			0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		5940.0000	4940.0000			71.0000		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	143.0000	284.0000			0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	0.0000 ND	7.1000			0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		1090.0000	2050.0000			0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		132.0000	124.0000			58.0000		0.0000 ND
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	36.0000	30.5000			0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	24.9000	47.5000			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-262: Oil/Water Separator Building 20698
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-262-03-0406 Lab ID: P274589	Field ID: KAFB-262-03-0911 Lab ID: P274590	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-262-05319 Lab ID: P274584	Ambient Blank Field ID: Lab ID:	Lab ID: P276188
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-262: Oil/Water Separator Building 20698
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-262-03-0406 Lab ID: P274589	Field ID: KAFB-262-03-0911 Lab ID: P274590	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-262-05319 Lab ID: P274584	Ambient Blank Field ID: Lab ID:	Lab ID: P276084
DIESEL COMPONENTS	70.0000	10.0000		1000.0000	930.0000			0.0000 ND		0.0000 ND
PENTACOSANE	N/A	N/A		4140.0000	3980.0000			101.0000		3920.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-262: Oil/Water Separator Building 20698
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8080: Organochlorine Pesticides and PCBs
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8080: Organochlorine Pesticides and PCBs
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-262-03-0406 Lab ID: P274589	Field ID: KAFB-262-03-0911 Lab ID: P274590	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-262-05319 Lab ID: P274584	Ambient Blank Field ID: Lab ID:	Lab ID: P275992
2,4,5,6-TETRACHLORO-META-XYLENE	N/A	N/A		7.6000	7.6000			0.2100		7.4000
ALDRIN	0.2700	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	0.5300	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	1.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
CHLORDANE	4.5000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DDD (1,1-bis(CHLOROPHENYL)-2,2-DICHLOROETHANE)	0.6700	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DDE (1,1-bis(CHLOROPHENYL)-2,2-DICHLOROETHENE)	1.2000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DDT (1,1-bis(CHLOROPHENYL)-2,2,2-TRICHLOROETHANE)	0.5000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DECACHLOROBIPHENYL	N/A	N/A		5.4000	5.5000			0.1600		5.5000
DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	0.2900	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIELDRIN	0.8600	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ENDOSULFAN	0.4500	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ENDOSULFAN SULFATE	0.8000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ENDRIN	0.9000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ENDRIN ALDEHYDE	0.8300	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
GAMMA BHC (LINDANE)	0.3000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEPTACHLOR	0.4200	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEPTACHLOR EPOXIDE	0.5300	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
METHOXYCHLOR	4.4000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PCB-1016 (AROCHLOR 1016)	4.4000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PCB-1221 (AROCHLOR 1221)	3.3000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PCB-1232 (AROCHLOR 1232)	2.1000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PCB-1242 (AROCHLOR 1242)	8.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PCB-1248 (AROCHLOR 1248)	2.3000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PCB-1254 (AROCHLOR 1254)	5.3000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PCB-1260 (AROCHLOR 1260)	5.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
TOXAPHENE	130.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-262: Oil/Water Separator Building 20698
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8140: Organophosphorus Pesticides
Matrix: Soil
Units: Milligrams per Kilogram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-262-03-0406 Lab ID: 0358000007SA	Field ID: KAFB-262-03-0911 Lab ID: 0358000008SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
AZINPHOS, METHYL (GUTHION)	1.1000	N/A		0.0000 ND	0.0000 ND					
BOLSTAR	0.1100	N/A		0.0000 ND	0.0000 ND					
CHLORPYRIFOS	0.2200	N/A		0.0000 ND	0.0000 ND					
COUMAPHOS	1.1000	N/A		0.0000 ND	0.0000 ND					
DEMETON	0.2200	N/A		0.0000 ND	0.0000 ND					
DIAZINON	0.4400	N/A		0.0000 ND	0.0000 ND					
DICHLORVOS	0.7800	N/A		0.0000 ND	0.0000 ND					
DISULFOTON	0.1100	N/A		0.0000 ND	0.0000 ND					
ETHION	N/A	N/A		51.0000 %	64.0000 %					
ETHOPROP	0.2200	N/A		0.0000 ND	0.0000 ND					
FENSULFOTHION	1.1000	N/A		0.0000 ND	0.0000 ND					
FENTHION	0.1100	N/A		0.0000 ND	0.0000 ND					
MERPHOS	0.2200	N/A		0.0000 ND	0.0000 ND					
MEVINPHOS	0.2200	N/A		0.0000 ND	0.0000 ND					
NALED	0.1100	N/A		0.0000 ND	0.0000 ND					
PARATHION, METHYL	0.0220	N/A		0.0000 ND	0.0000 ND					
PHORATE	0.1100	N/A		0.0000 ND	0.0000 ND					
RONNEL	0.2200	N/A		0.0000 ND	0.0000 ND					
STIROFOS (TETRACHLORVINPHOS)	2.7000	N/A		0.0000 ND	0.0000 ND					
TOKUTHION (PROTHIOFOS)	0.4400	N/A		0.0000 ND	0.0000 ND					
TRICHLORONATE	0.1100	N/A		0.0000 ND	0.0000 ND					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-262: Oil/Water Separator Building 20698
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8150: Chlorinated Herbicides
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8150: Chlorinated Herbicides
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-262-03-0406 Lab ID: P274589	Field ID: KAFB-262-03-0911 Lab ID: P274590	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-262-05319 Lab ID: P274584	Ambient Blank Field ID: Lab ID:	Lab ID: P275251
2,4 DB	40.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-T (TRICHLOROPHENOXYACETIC ACID)	4.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-D (DICHLOROPHENOXYACETIC ACID)	20.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENYLACETIC ACID	N/A	N/A		109.0000	97.0000			28.0000		105.0000
DALAPON	20.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DICAMBA	3.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DICHLOROPROP	20.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DINOSEB	40.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
MCPA	3000.000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
MCPP	3000.000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-262: Oil/Water Separator Building 20698
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-262-03-0406 Lab ID: 0358000007SA	Field ID: KAFB-262-03-0911 Lab ID: 0358000008SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-053194 Lab ID: 0358000001TB	Equipment Blank Field ID: KAFB-EB-262-05319 Lab ID: 0358000002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0055	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0055	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0044	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0055	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0044	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		96.0000 %	96.0000 %		98.0000 %	94.0000 %		
1,2-DICHLOROPROPANE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		96.0000 %	94.0000 %		100.0000 %	100.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ACETONE	0.0110	0.1000	8000.000	0.0073 TR	0.0072 TR		8.0000 TR	0.0000 ND		
BENZENE	0.0022	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0022	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0055	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0044	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0055	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0022	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0022	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0067	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0044	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0022	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0033	0.0050	93.3000	0.0060	0.0045		1.3000 TR	1.4000 TR		
STYRENE	0.0055	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0022	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0033	0.0050	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		101.0000 %	102.0000 %		100.0000 %	101.0000 %		
TRICHLOROETHYLENE (TCE)	0.0033	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0078	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0044	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0055	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0055	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0055	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-262: Oil/Water Separator Building 20698
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-262-03-0406 Lab ID: P274589	Field ID: KAFB-262-03-0911 Lab ID: P274590	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-262-05319 Lab ID: P274584	Ambient Blank Field ID: Lab ID:	Lab ID: P276021
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		77.0000	57.0000			150.0000		65.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		41.0000	30.0000			70.0000		35.0000
2-FLUOROPHENOL	N/A	N/A		71.0000	50.0000			100.0000		63.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-262: Oil/Water Separator Building 20698
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-262-03-0406 Lab ID: P274589	Field ID: KAFB-262-03-0911 Lab ID: P274590	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-262-05319 Lab ID: P274584	Ambient Blank Field ID: Lab ID:	Lab ID: P276021
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	240.0000	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		41.0000	30.0000			75.0000		36.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		85.0000	60.0000			65.0000		71.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		43.0000	30.0000			75.0000		38.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	100.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-262: Oil/Water Separator Building 20698
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-262-03-0406 Lab ID: P274589	Field ID: KAFB-262-03-0911 Lab ID: P274590	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		9.0000	8.6000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-262: Oil/Water Separator Building 20698
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-262-04-0409 Lab ID: 0358000009SA	Field ID: KAFB-262-99-0409 Lab ID: 0358000009SA	Field ID: KAFB-262-04-0912 Lab ID: 0358000011SA	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		10.0000	16.0000	5.1000				

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-262: Oil/Water Separator Building 20698
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-262-04-0409 Lab ID: 0358000009SA	Field ID: KAFB-262-99-0409 Lab ID: 0358000009SA	Field ID: KAFB-262-04-0912 Lab ID: 0358000011SA	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-262-05319 Lab ID: 0358000002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		89.0000 %	88.0000 %	93.0000 %		96.0000 %		
BENZENE	0.0280	N/A	24.1000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0280	N/A	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
GASOLINE COMPONENTS	0.5600	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
TOLUENE	0.0280	N/A	16000.00	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0280	N/A	160000.0	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-262: Oil/Water Separator Building 20698
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-262-04-0409 Lab ID: P274591	Field ID: KAFB-262-99-0409 Lab ID: P274591	Field ID: KAFB-262-04-0912 Lab ID: P274593	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-262-05319 Lab ID: P274584	Ambient Blank Field ID: Lab ID:	Lab ID: P276058
ALUMINUM	2.0000	50.0000		6910.0000	9350.0000	6060.0000		28.0000		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	459.0000	230.0000	114.0000		0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.4400	0.5500	0.4300		0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		56600.0000	34200.0000	21300.0000		26.0000		0.0000 ND
CHROMIUM, TOTAL	1.0000	7.0000		7.1000	10.1000	7.9000		12.0000		0.0000 ND
COBALT	1.0000	7.0000		4.4000	6.2000	6.4000		0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		29.5000	20.1000	48.2000		4.0000		0.0000 ND
IRON	0.8000	7.0000		11000.0000	13000.0000	13000.0000		33.0000		2.5000
LEAD	3.0000	50.0000	400.0000	10.3000	6.3000	6.1000		0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		5470.0000	6270.0000	4310.0000		71.0000		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	256.0000	212.0000	257.0000		0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	5.6000	7.7000	6.3000		0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		1240.0000	1840.0000	1520.0000		0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		118.0000	126.0000	109.0000		58.0000		0.0000 ND
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	38.8000	49.7000	22.5000		0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	40.2000	35.8000	45.6000		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-262: Oil/Water Separator Building 20698
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-262-04-0409 Lab ID: P274591	Field ID: KAFB-262-99-0409 Lab ID: P274591	Field ID: KAFB-262-04-0912 Lab ID: P274593	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-262-05319 Lab ID: P274584	Ambient Blank Field ID: Lab ID:	Lab ID: P276188
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-262: Oil/Water Separator Building 20698
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-262-04-0409 Lab ID: P274591	Field ID: KAFB-262-99-0409 Lab ID: P274591	Field ID: KAFB-262-04-0912 Lab ID: P274593	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-262-05319 Lab ID: P274584	Ambient Blank Field ID: Lab ID:	Lab ID: P276084
DIESEL COMPONENTS	70.0000	10.0000		520.0000	740.0000	820.0000		0.0000 ND		0.0000 ND
PENTACOSANE	N/A	N/A		4050.0000	4330.0000	4620.0000		101.0000		3920.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-262: Oil/Water Separator Building 20698
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8080: Organochlorine Pesticides and PCBs
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8080: Organochlorine Pesticides and PCBs
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-262-04-0409 Lab ID: P274591	Field ID: KAFB-262-99-0409 Lab ID: P274591	Field ID: KAFB-262-04-0912 Lab ID: P274593	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-262-05319 Lab ID: P274584	Ambient Blank Field ID: Lab ID:	Lab ID: P275992
2,4,5,6-TETRACHLORO-META-XYLENE	N/A	N/A		7.4000	7.6000	7.9000		0.2100		7.4000
ALDRIN	0.2700	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	0.5300	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	1.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
CHLORDANE	4.5000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DDD (1,1-bis(CHLOROPHENYL)-2,2-DICHLOROETHANE)	0.6700	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DDE (1,1-bis(CHLOROPHENYL)-2,2-DICHLOROETHENE)	1.2000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DDT (1,1-bis(CHLOROPHENYL)-2,2,2-TRICHLOROETHANE)	0.5000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DECACHLOROBIPHENYL	N/A	N/A		5.4000	5.2000	5.4000		0.1600		5.5000
DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	0.2900	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIELDRIN	0.8600	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ENDOSULFAN	0.4500	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ENDOSULFAN SULFATE	0.8000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ENDRIN	0.9000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ENDRIN ALDEHYDE	0.8300	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
GAMMA BHC (LINDANE)	0.3000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEPTACHLOR	0.4200	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEPTACHLOR EPOXIDE	0.5300	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
METHOXYCHLOR	4.4000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PCB-1016 (AROCHLOR 1016)	4.4000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PCB-1221 (AROCHLOR 1221)	3.3000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PCB-1232 (AROCHLOR 1232)	2.1000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PCB-1242 (AROCHLOR 1242)	8.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PCB-1248 (AROCHLOR 1248)	2.3000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PCB-1254 (AROCHLOR 1254)	5.3000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PCB-1260 (AROCHLOR 1260)	5.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
TOXAPHENE	130.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-262: Oil/Water Separator Building 20698
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8140: Organophosphorus Pesticides
Matrix: Soil
Units: Milligrams per Kilogram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-262-04-0409 Lab ID: 0358000009SA	Field ID: KAFB-262-99-0409 Lab ID: 0358000009SA	Field ID: KAFB-262-04-0912 Lab ID: 0358000011SA	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
AZINPHOS, METHYL (GUTHION)	1.1000	N/A		0.0000 ND	0.0000 ND	0.0000 ND				
BOLSTAR	0.1100	N/A		0.0000 ND	0.0000 ND	0.0000 ND				
CHLORPYRIFOS	0.2200	N/A		0.0000 ND	0.0000 ND	0.0000 ND				
COUMAPHOS	1.1000	N/A		0.0000 ND	0.0000 ND	0.0000 ND				
DEMETON	0.2200	N/A		0.0000 ND	0.0000 ND	0.0000 ND				
DIAZINON	0.4400	N/A		0.0000 ND	0.0000 ND	0.0000 ND				
DICHLORVOS	0.7800	N/A		0.0000 ND	0.0000 ND	0.0000 ND				
DISULFOTON	0.1100	N/A		0.0000 ND	0.0000 ND	0.0000 ND				
ETHION	N/A	N/A		64.0000 %	65.0000 %	48.0000 %				
ETHOPROP	0.2200	N/A		0.0000 ND	0.0000 ND	0.0000 ND				
FENSULFOTHION	1.1000	N/A		0.0000 ND	0.0000 ND	0.0000 ND				
FENTHION	0.1100	N/A		0.0000 ND	0.0000 ND	0.0000 ND				
MERPHOS	0.2200	N/A		0.0000 ND	0.0000 ND	0.0000 ND				
MEVINPHOS	0.2200	N/A		0.0000 ND	0.0000 ND	0.0000 ND				
NALED	0.1100	N/A		0.0000 ND	0.0000 ND	0.0000 ND				
PARATHION, METHYL	0.0220	N/A		0.0000 ND	0.0000 ND	0.0000 ND				
PHORATE	0.1100	N/A		0.0000 ND	0.0000 ND	0.0000 ND				
RONNEL	0.2200	N/A		0.0000 ND	0.0000 ND	0.0000 ND				
STIROFOS (TETRACHLORVINPHOS)	2.7000	N/A		0.0000 ND	0.0000 ND	0.0000 ND				
TOKUTHION (PROTHIOFOS)	0.4400	N/A		0.0000 ND	0.0000 ND	0.0000 ND				
TRICHLORONATE	0.1100	N/A		0.0000 ND	0.0000 ND	0.0000 ND				

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-262: Oil/Water Separator Building 20698
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8150: Chlorinated Herbicides
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8150: Chlorinated Herbicides
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-262-04-0409 Lab ID: P274591	Field ID: KAFB-262-99-0409 Lab ID: P274591	Field ID: KAFB-262-04-0912 Lab ID: P274593	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-262-05319 Lab ID: P274584	Ambient Blank Field ID: Lab ID:	Lab ID: P275251
2,4 DB	40.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4,5-T (TRICHLOROPHENOXYACETIC ACID)	4.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-D (DICHLOROPHENOXYACETIC ACID)	20.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DICHLOROPHENYLACETIC ACID	N/A	N/A		105.0000	103.0000	105.0000		28.0000		105.0000
DALAPON	20.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DICAMBA	3.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DICHLOROPROP	20.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DINOSEB	40.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
MCPA	3000.000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
MCPP	3000.000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-262: Oil/Water Separator Building 20698
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-262-04-0409 Lab ID: 0358000009SA	Field ID: KAFB-262-99-0409 Lab ID: 0358000009SA	Field ID: KAFB-262-04-0912 Lab ID: 0358000011SA	Trip Blank Field ID: KAFB-TB-01-053194 Lab ID: 0358000001TB	Equipment Blank Field ID: KAFB-EB-262-05319 Lab ID: 0358000002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0033	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0056	0.0050	35.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0056	0.0050	123.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0044	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0056	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0044	0.0050	7.6900	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		94.0000 %	94.0000 %	96.0000 %	98.0000 %	94.0000 %		
1,2-DICHLOROPROPANE	0.0033	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		94.0000 %	97.0000 %	98.0000 %	100.0000 %	100.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
2-HEXANONE	0.0110	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ACETONE	0.0110	0.1000	8000.000	0.0057 TR	0.0072 TR	0.0000 ND	8.0000 TR	0.0000 ND		
BENZENE	0.0022	0.0050	24.1000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0022	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMOFORM	0.0056	0.0050	88.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0044	0.0100	32.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0056	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0033	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0022	N/A	2160.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROFORM	0.0022	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0067	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0044	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0022	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0033	0.0050	93.3000	0.0058	0.0062	0.0049	1.3000 TR	1.4000 TR		
STYRENE	0.0056	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0022	0.0050	800.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TOLUENE	0.0033	0.0050	16000.00	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		99.0000 %	103.0000 %	101.0000 %	100.0000 %	101.0000 %		
TRICHLOROETHYLENE (TCE)	0.0033	0.0050	63.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0078	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0044	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0056	0.0050	160000.0	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0056	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0056	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0033	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-262: Oil/Water Separator Building 20698
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-262-04-0409 Lab ID: P274591	Field ID: KAFB-262-99-0409 Lab ID: P274591	Field ID: KAFB-262-04-0912 Lab ID: P274593	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-262-05319 Lab ID: P274584	Ambient Blank Field ID: Lab ID:	Lab ID: P276021
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		58.0000	58.0000	55.0000		150.0000		65.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		30.0000	29.0000	32.0000		70.0000		35.0000
2-FLUOROPHENOL	N/A	N/A		52.0000	51.0000	52.0000		100.0000		63.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-262: Oil/Water Separator Building 20698
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-262-04-0409 Lab ID: P274591	Field ID: KAFB-262-99-0409 Lab ID: P274591	Field ID: KAFB-262-04-0912 Lab ID: P274593	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-262-05319 Lab ID: P274584	Ambient Blank Field ID: Lab ID:	Lab ID: P276021
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	250.0000	0.0000 ND		0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		30.0000	29.0000	32.0000		75.0000		36.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		62.0000	60.0000	64.0000		65.0000		71.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		32.0000	31.0000	31.0000		75.0000		38.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	100.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-262: Oil/Water Separator Building 20698
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-262-04-0409 Lab ID: P274591	Field ID: KAFB-262-99-0409 Lab ID: P274591	Field ID: KAFB-262-04-0912 Lab ID: P274593	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.5000	8.6000	8.7000				

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-262: Oil/Water Separator Building 20698
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-262-05-0406 Lab ID: 0358000012SA	Field ID: KAFB-262-05-0911 Lab ID: 0358000013SA	Field ID: Lab ID: 0358000013SA	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		12.0000	9.4000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-262: Oil/Water Separator Building 20698
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-262-05-0406 Lab ID: 0358000012SA	Field ID: KAFB-262-05-0911 Lab ID: 0358000013MS	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-262-05319 Lab ID: 0358000002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		82.0000 %	84.0000 %			96.0000 %		
BENZENE	0.0280	N/A	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0280	N/A	8000.000	0.0160 TR	0.0000 ND		0.0000 ND	0.0000 ND		
GASOLINE COMPONENTS	0.5700	N/A		0.3300 TR	0.0000 ND			0.0000 ND		
TOLUENE	0.0280	N/A	16000.00	0.0200 TR	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0280	N/A	160000.0	0.0350	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-262: Oil/Water Separator Building 20698
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-262-05-0406 Lab ID: P274594	Field ID: KAFB-262-05-0911 Lab ID: P274595	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-262-05319 Lab ID: P274584	Ambient Blank Field ID: Lab ID:	Lab ID: P276058
ALUMINUM	2.0000	50.0000		7030.0000	7080.0000			28.0000		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	454.0000	112.0000			0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.4300	0.4200			0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		80600.0000	20200.0000			26.0000		0.0000 ND
CHROMIUM, TOTAL	1.0000	7.0000		8.1000	7.5000			12.0000		0.0000 ND
COBALT	1.0000	7.0000		6.3000	6.4000			0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		23.8000	29.6000			4.0000		0.0000 ND
IRON	0.8000	7.0000		10700.0000	13800.0000			33.0000		2.5000
LEAD	3.0000	50.0000	400.0000	5.5000	4.6000			0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		7610.0000	4500.0000			71.0000		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	177.0000	252.0000			0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	6.7000	6.8000			0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		1440.0000	1720.0000			0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		139.0000	106.0000			58.0000		0.0000 ND
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	41.5000	24.3000			0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	32.9000	39.4000			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-262: Oil/Water Separator Building 20698
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-262-05-0406 Lab ID: P274594	Field ID: KAFB-262-05-0911 Lab ID: P274595	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-262-05319 Lab ID: P274584	Ambient Blank Field ID: Lab ID:	Lab ID: P276188
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-262: Oil/Water Separator Building 20698
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-262-05-0406 Lab ID: P274594	Field ID: KAFB-262-05-0911 Lab ID: P274595	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-262-05319 Lab ID: P274584	Ambient Blank Field ID: Lab ID:	Lab ID: P276084
DIESEL COMPONENTS	70.0000	10.0000		900.0000	990.0000			0.0000 ND		0.0000 ND
PENTACOSANE	N/A	N/A		4290.0000	4170.0000			101.0000		3920.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-262: Oil/Water Separator Building 20698
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8080: Organochlorine Pesticides and PCBs
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8080: Organochlorine Pesticides and PCBs
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-262-05-0406 Lab ID: P274594	Field ID: KAFB-262-05-0911 Lab ID: P274595	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-262-05319 Lab ID: P274584	Ambient Blank Field ID: Lab ID:	Lab ID: P275992
2,4,5,6-TETRACHLORO-META-XYLENE	N/A	N/A		7.4000	7.7000			0.2100		7.4000
ALDRIN	0.2700	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)	0.5300	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BETA BHC (BETA HEXACHLOROCYCLOHEXANE)	1.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
CHLORDANE	4.5000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DDD (1,1-bis(CHLOROPHENYL)-2,2-DICHLOROETHANE)	0.6700	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DDE (1,1-bis(CHLOROPHENYL)-2,2-DICHLOROETHENE)	1.2000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DDT (1,1-bis(CHLOROPHENYL)-2,2,2-TRICHLOROETHANE)	0.5000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DECACHLOROBIPHENYL	N/A	N/A		5.3000	5.2000			0.1600		5.5000
DELTA BHC (DELTA HEXACHLOROCYCLOHEXANE)	0.2900	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIELDRIN	0.8600	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ENDOSULFAN	0.4500	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ENDOSULFAN SULFATE	0.8000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ENDRIN	0.9000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ENDRIN ALDEHYDE	0.8300	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
GAMMA BHC (LINDANE)	0.3000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEPTACHLOR	0.4200	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEPTACHLOR EPOXIDE	0.5300	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
METHOXYCHLOR	4.4000	N/A		0.0000 ND	0.0000			0.0000 ND		0.0000 ND
PCB-1016 (AROCHLOR 1016)	4.4000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PCB-1221 (AROCHLOR 1221)	3.3000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PCB-1232 (AROCHLOR 1232)	2.1000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PCB-1242 (AROCHLOR 1242)	8.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PCB-1248 (AROCHLOR 1248)	2.3000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PCB-1254 (AROCHLOR 1254)	5.3000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PCB-1260 (AROCHLOR 1260)	5.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
TOXAPHENE	130.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-262: Oil/Water Separator Building 20698
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8140: Organophosphorus Pesticides
Matrix: Soil
Units: Milligrams per Kilogram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-262-05-0406 Lab ID: 0358000012SA	Field ID: KAFB-262-05-0911 Lab ID: 0358000013MS	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
AZINPHOS, METHYL (GUTHION)	1.1000	N/A		0.0000 ND	0.0000 ND					
BOLSTAR	0.1100	N/A		0.0000 ND	0.0000 ND					
CHLORPYRIFOS	0.2300	N/A		0.0000 ND	0.0000 ND					
COUMAPHOS	1.1000	N/A		0.0000 ND	0.0000 ND					
DEMETON	0.2300	N/A		0.0000 ND	0.0000 ND					
DIAZINON	0.4500	N/A		0.0000 ND	0.0000 ND					
DICHLORVOS	0.7900	N/A		0.0000 ND	0.0000 ND					
DISULFOTON	0.1100	N/A		0.0000 ND	0.0000 ND					
ETHION	N/A	N/A		66.0000 %	65.0000 %					
ETHOPROP	0.2300	N/A		0.0000 ND	0.0000 ND					
FENSULFOTHION	1.1000	N/A		0.0000 ND	0.0000 ND					
FENTHION	0.1100	N/A		0.0000 ND	0.0000 ND					
MERPHOS	0.2300	N/A		0.0000 ND	0.0000 ND					
MEVINPHOS	0.2300	N/A		0.0000 ND	0.0000 ND					
NALED	0.1100	N/A		0.0000 ND	0.0000 ND					
PARATHION, METHYL	0.0230	N/A		0.0000 ND	0.0000 ND					
PHORATE	0.1100	N/A		0.0000 ND	0.0000 ND					
RONNEL	0.2300	N/A		0.0000 ND	0.0000 ND					
STIROFOS (TETRACHLORVINPHOS)	2.7000	N/A		0.0000 ND	0.0000 ND					
TOKUTHION (PROTHIOFOS)	0.4500	N/A		0.0000 ND	0.0000 ND					
TRICHLORONATE	0.1100	N/A		0.0000 ND	0.0000 ND					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-262: Oil/Water Separator Building 20698
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8150: Chlorinated Herbicides
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8150: Chlorinated Herbicides
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-262-05-0406 Lab ID: P274594	Field ID: KAFB-262-05-0911 Lab ID: P274595	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-262-05319 Lab ID: P274584	Ambient Blank Field ID: Lab ID:	Lab ID: P275251
2,4 DB	40.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-T (TRICHLOROPHENOXYACETIC ACID)	4.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-D (DICHLOROPHENOXYACETIC ACID)	20.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENYLACETIC ACID	N/A	N/A		104.0000	84.0000			28.0000		105.0000
DALAPON	20.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DICAMBA	3.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DICHLOROPROP	20.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DINOSEB	40.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
MCPA	3000.000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
MCPP	3000.000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-262: Oil/Water Separator Building 20698
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-262-05-0406 Lab ID: 0358000012SA	Field ID: KAFB-262-05-0911 Lab ID: 0358000013MS	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-053194 Lab ID: 0358000001TB	Equipment Blank Field ID: KAFB-EB-262-05319 Lab ID: 0358000002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0034	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0057	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0057	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0045	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0057	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0045	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		92.0000 %	95.0000 %		98.0000 %	94.0000 %		
1,2-DICHLOROPROPANE	0.0034	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		91.0000 %	96.0000 %		100.0000 %	100.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ACETONE	0.0110	0.1000	8000.000	0.0000 ND	0.0042 TR		8.0000 TR	0.0000 ND		
BENZENE	0.0023	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0023	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0057	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0045	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0057	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0034	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0023	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0023	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0068	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0045	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0023	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0034	0.0050	93.3000	0.0073	0.0061		1.3000 TR	1.4000 TR		
STYRENE	0.0057	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0023	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0034	0.0050	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		102.0000 %	98.0000 %		100.0000 %	101.0000 %		
TRICHLOROETHYLENE (TCE)	0.0034	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0079	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0045	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0057	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0057	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0057	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0034	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-262: Oil/Water Separator Building 20698
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-262-05-0406 Lab ID: P274594	Field ID: KAFB-262-05-0911 Lab ID: P274595	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-262-05319 Lab ID: P274584	Ambient Blank Field ID: Lab ID:	Lab ID: P276021
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		62.0000	59.0000			150.0000		65.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		31.0000	31.0000			70.0000		35.0000
2-FLUOROPHENOL	N/A	N/A		57.0000	51.0000			100.0000		63.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-262: Oil/Water Separator Building 20698
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-262-05-0406 Lab ID: P274594	Field ID: KAFB-262-05-0911 Lab ID: P274595	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-262-05319 Lab ID: P274584	Ambient Blank Field ID: Lab ID:	Lab ID: P276021
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		31.0000	30.0000			75.0000		36.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		64.0000	61.0000			65.0000		71.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		31.0000	31.0000			75.0000		38.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	100.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-262: Oil/Water Separator Building 20698
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-262-05-0406 Lab ID: P274594	Field ID: KAFB-262-05-0911 Lab ID: P274595	Field ID: Lab ID: P274595	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.9000	8.8000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-263: Oil/Water Separator Building 23226
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-263-01-0305 Lab ID: 0352910003SA	Field ID: Lab ID: 0352910003SA	Field ID: KAFB-263-01-0810 Lab ID: 0352910004SA	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		10.0000		7.4000				

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-263: Oil/Water Separator Building 23226
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-263-01-0305 Lab ID: 0352910003SA	Field ID: KAFB-263-01-0810 Lab ID: 0352910004SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-050594 Lab ID: 0352910001TB	Equipment Blank Field ID: KAFB-EB-263-05059 Lab ID: 0352910002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		84.0000 %	91.0000 %		97.0000 %	102.0000 %		
BENZENE	0.0280	N/A	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0280	N/A	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
GASOLINE COMPONENTS	0.5600	N/A		0.0000 ND	0.0000 ND		5.1000 TR	5.3000 TR		
TOLUENE	0.0280	N/A	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0280	N/A	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-263: Oil/Water Separator Building 23226
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: *Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-263-01-0305 Lab ID: P272183	Field ID: KAFB-263-01-0810 Lab ID: P272184	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-263-05059 Lab ID: P272182	Ambient Blank Field ID: Lab ID:	Lab ID: P272838
ALUMINUM	2.0000	50.0000		4590.0000	7590.0000			0.0000 ND		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	296.0000	235.0000			0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.3100	0.3300			0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.5500			0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		18700.0000	59600.0000			62.0000		0.0000 ND
CHROMIUM, TOTAL	1.0000	7.0000		6.0000	7.8000			0.0000 ND		1.5000
COBALT	1.0000	7.0000		2.8000	6.7000			0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		64.6000	24.8000			13.0000		0.0000 ND
IRON	0.8000	7.0000		7230.0000	15500.0000			10.0000		0.0000 ND
LEAD	3.0000	50.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		2330.0000	5180.0000			0.0000 ND		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	140.0000	272.0000			0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	5.7000	9.3000			0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		846.0000	1540.0000			0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		42.3000	86.3000			37.0000		0.0000 ND
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	15.4000	29.2000			0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	43.3000	49.6000			17.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-263: Oil/Water Separator Building 23226
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-263-01-0305 Lab ID: P272183	Field ID: KAFB-263-01-0810 Lab ID: P272184	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-263-05059 Lab ID: P272182	Ambient Blank Field ID: Lab ID:	Lab ID: P273895
MERCURY	0.1000	0.1000		0.6800	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-263: Oil/Water Separator Building 23226
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-263-01-0305 Lab ID: P272183	Field ID: KAFB-263-01-0810 Lab ID: P272184	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-263-05059 Lab ID: P272182	Ambient Blank Field ID: Lab ID:	Lab ID: P273773
DIESEL COMPONENTS	70.0000	10.0000		860.0000	1800.0000			260.0000		0.0000 ND
PENTACOSANE	N/A	N/A		2850.0000	3210.0000			108.0000		3060.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-263: Oil/Water Separator Building 23226
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-263-01-0305 Lab ID: 0352910003SA	Field ID: KAFB-263-01-0810 Lab ID: 0352910004SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-050594 Lab ID: 0352910001TB	Equipment Blank Field ID: KAFB-EB-263-05059 Lab ID: 0352910002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0056	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0056	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0045	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0056	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0045	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		100.0000 %	104.0000 %		92.0000 %	98.0000 %		
1,2-DICHLOROPROPANE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		99.0000 %	98.0000 %		125.0000 %	111.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ACETONE	0.0110	0.1000	8000.000	0.0190	0.0100 TR		2.7000 TR	0.0000 ND		
BENZENE	0.0022	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0022	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0056	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0045	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0056	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0022	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0022	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0067	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0045	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0022	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0000 ND	0.0000 ND		1.4000 TR	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0033	0.0050	93.3000	0.0029 TR	0.0030 TR		2.0000 TR	0.0000 ND		
STYRENE	0.0056	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0022	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0033	0.0050	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		95.0000 %	96.0000 %		73.0000 %	71.0000 %		
TRICHLOROETHYLENE (TCE)	0.0033	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0078	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0045	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0056	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0056	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0056	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

Base: KIRTLAND AFB
Site: ST-263: Oil/Water Separator Building 23226
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

ANALYTCAL DATA SUMMARY

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-263-01-0305 Lab ID: P272183	Field ID: KAFB-263-01-0810 Lab ID: P272184	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-263-05059 Lab ID: P272182	Ambient Blank Field ID: Lab ID:	Lab ID: P273708
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		87.0000	86.0000			92.0000		90.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		37.0000	35.0000			39.0000		43.0000
2-FLUOROPHENOL	N/A	N/A		68.0000	66.0000			58.0000		80.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-263: Oil/Water Separator Building 23226
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-263-01-0305 Lab ID: P272183	Field ID: KAFB-263-01-0810 Lab ID: P272184	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-263-05059 Lab ID: P272182	Ambient Blank Field ID: Lab ID:	Lab ID: P273708
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	240.0000			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		40.0000	38.0000			34.0000		36.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	330.0000			0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		96.0000	92.0000			48.0000		100.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		41.0000	40.0000			47.0000		51.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-263: Oil/Water Separator Building 23226
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-263-01-0305 Lab ID: P272183	Field ID: KAFB-263-01-0810 Lab ID: P272184	Field ID: Lab ID: P272184	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.4000	8.4000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-263: Oil/Water Separator Building 23226
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-263-02-0305 Lab ID: 0352910005SA	Field ID: KAFB-263-02-0811 Lab ID: 0352910006SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		10.0000	5.4000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-263: Oil/Water Separator Building 23226
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-263-02-0305 Lab ID: 0352910005SA	Field ID: KAFB-263-02-0811 Lab ID: 0352910006SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-050594 Lab ID: 0352910001TB	Equipment Blank Field ID: KAFB-EB-263-05059 Lab ID: 0352910002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		89.0000 %	81.0000 %		97.0000 %	102.0000 %		
BENZENE	0.0280	N/A	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0280	N/A	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
GASOLINE COMPONENTS	0.5600	N/A		0.0000 ND	0.0000 ND		5.1000 TR	5.3000 TR		
TOLUENE	0.0280	N/A	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0280	N/A	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-263: Oil/Water Separator Building 23226
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-263-02-0305 Lab ID: P272185	Field ID: KAFB-263-02-0811 Lab ID: P272186	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-263-05059 Lab ID: P272182	Ambient Blank Field ID: Lab ID:	Lab ID: P272838
ALUMINUM	2.0000	50.0000		6950.0000	5490.0000			0.0000 ND		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	184.0000	82.0000			0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.3300	0.2100			0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		152000.0000	35900.0000			62.0000		0.0000 ND
CHROMIUM, TOTAL	1.0000	7.0000		12.0000	9.8000			0.0000 ND		1.5000
COBALT	1.0000	7.0000		3.2000	4.6000			0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		34.7000	117.0000			13.0000		0.0000 ND
IRON	0.8000	7.0000		9240.0000	11500.0000			10.0000		0.0000 ND
LEAD	3.0000	50.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		3810.0000	3420.0000			0.0000 ND		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	191.0000	216.0000			0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	18.1000	53.6000			0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		1220.0000	951.0000			0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		79.3000	87.2000			37.0000		0.0000 ND
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	23.1000	23.0000			0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	31.5000	78.1000			17.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-263: Oil/Water Separator Building 23226
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-263-02-0305 Lab ID: P272185	Field ID: KAFB-263-02-0811 Lab ID: P272186	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-263-05059 Lab ID: P272182	Ambient Blank Field ID: Lab ID:	Lab ID: P273895
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-263: Oil/Water Separator Building 23226
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-263-02-0305 Lab ID: P272185	Field ID: KAFB-263-02-0811 Lab ID: P272186	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-263-05059 Lab ID: P272182	Ambient Blank Field ID: Lab ID:	Lab ID: P273773
DIESEL COMPONENTS	70.0000	10.0000		1300.0000	1200.0000			260.0000		0.0000 ND
PENTACOSANE	N/A	N/A		3080.0000	3080.0000			108.0000		3060.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-263: Oil/Water Separator Building 23226
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-263-02-0305 Lab ID: 0352910005SA	Field ID: KAFB-263-02-0611 Lab ID: 0352910006SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-050594 Lab ID: 0352910001TB	Equipment Blank Field ID: KAFB-EB-263-05059 Lab ID: 0352910002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0034	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0056	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0056	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0045	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0056	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0045	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		99.0000 %	103.0000 %		92.0000 %	98.0000 %		
1,2-DICHLOROPROPANE	0.0034	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		95.0000 %	99.0000 %		125.0000 %	111.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ACETONE	0.0110	0.1000	8000.000	0.0180	0.0100 TR		2.7000 TR	0.0000 ND		
BENZENE	0.0022	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0022	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0056	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0045	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0056	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0034	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0022	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0022	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0067	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0045	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0022	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0000 ND	0.0000 ND		1.4000 TR	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0034	0.0050	93.3000	0.0030 TR	0.0039		2.0000 TR	0.0000 ND		
STYRENE	0.0056	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0022	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0034	0.0050	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		98.0000 %	93.0000 %		73.0000 %	71.0000 %		
TRICHLOROETHYLENE (TCE)	0.0034	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0078	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0045	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0056	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0056	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0056	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0034	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-263: Oil/Water Separator Building 23226
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-263-02-0305 Lab ID: P272185	Field ID: KAFB-263-02-0811 Lab ID: P272186	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-263-05059 Lab ID: P272182	Ambient Blank Field ID: Lab ID:	Lab ID: P273708
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		110.0000	86.0000			92.0000		90.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		41.0000	40.0000			39.0000		43.0000
2-FLUOROPHENOL	N/A	N/A		76.0000	68.0000			58.0000		80.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

Base: KIRTLAND AFB
Site: ST-263: Oil/Water Separator Building 23226
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

ANALYTCAL DATA SUMMARY

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-263-02-0305 Lab ID: P272185	Field ID: KAFB-263-02-0811 Lab ID: P272186	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-263-05059 Lab ID: P272182	Ambient Blank Field ID: Lab ID:	Lab ID: P273708
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	300.0000	250.0000			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		43.0000	43.0000			34.0000		36.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	290.0000			0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		100.0000	100.0000			48.0000		100.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		46.0000	46.0000			47.0000		51.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-263: Oil/Water Separator Building 23226
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-263-02-0305 Lab ID: P272185	Field ID: KAFB-263-02-0811 Lab ID: P272186	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.3000	8.5000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-263: Oil/Water Separator Building 23226
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-263-03-0305 Lab ID: 0352910007SA	Field ID: KAFB-263-03-0812 Lab ID: 0352910008SA	Field ID: KAFB-263-99-0812 Lab ID: 0352910008SA	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		10.0000	16.0000	15.0000				
MOISTURE, PERCENT	N/A	N/A		16.0000						

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-263: Oil/Water Separator Building 23226
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-263-03-0305 Lab ID: 0352910007SA	Field ID: KAFB-263-03-0812 Lab ID: 0352910008SA	Field ID: KAFB-263-99-0812 Lab ID: 0352910008SA	Trip Blank Field ID: KAFB-TB-01-050594 Lab ID: 0352910001TB	Equipment Blank Field ID: KAFB-EB-263-05059 Lab ID: 0352910002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		86.0000 %	89.0000 %	79.0000 %	97.0000 %	102.0000 %		
BENZENE	0.0280	N/A	24.1000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0280	N/A	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
GASOLINE COMPONENTS	0.5600	N/A		0.0000 ND	0.0000 ND	0.0000 ND	5.1000 TR	5.3000 TR		
TOLUENE	0.0280	N/A	16000.00	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0280	N/A	160000.0	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-263: Oil/Water Separator Building 23226
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-263-03-0305 Lab ID: P272187	Field ID: KAFB-263-03-0812 Lab ID: P272188	Field ID: KAFB-263-99-0812 Lab ID: P272188	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-263-05059 Lab ID: P272182	Ambient Blank Field ID: Lab ID:	Lab ID: P272838
ALUMINUM	2.0000	50.0000		12500.0000	8170.0000	10700.0000		0.0000 ND		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	122.0000	130.0000	203.0000		0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.6600	0.4200	0.5800		0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		15600.0000	33200.0000	45100.0000		62.0000		0.0000 ND
CHROMIUM, TOTAL	1.0000	7.0000		10.9000	8.9000	9.4000		0.0000 ND		1.5000
COBALT	1.0000	7.0000		6.4000	7.6000	8.9000		0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		23.7000	30.4000	13.9000		13.0000		0.0000 ND
IRON	0.8000	7.0000		16500.0000	18300.0000	16600.0000		10.0000		0.0000 ND
LEAD	3.0000	50.0000	400.0000	3.5000	5.7000	7.7000		0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		3610.0000	4510.0000	5670.0000		0.0000 ND		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	304.0000	338.0000	366.0000		0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	11.2000	9.6000	11.3000		0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		2620.0000	1670.0000	1930.0000		0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		58.5000	74.4000	105.0000		37.0000		0.0000 ND
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	30.8000	33.0000	30.3000		0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	42.6000	46.4000	42.9000		17.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-263: Oil/Water Separator Building 23226
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-263-03-0305 Lab ID: P272187	Field ID: KAFB-263-03-0812 Lab ID: P272188	Field ID: KAFB-263-99-0812 Lab ID: P272188	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-263-05059 Lab ID: P272182	Ambient Blank Field ID: Lab ID:	Lab ID: P273895
MERCURY	0.1000	0.1000		0.1800	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-263: Oil/Water Separator Building 23226
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-263-03-0305 Lab ID: P272187	Field ID: KAFB-263-03-0812 Lab ID: P272188	Field ID: KAFB-263-99-0812 Lab ID: P272188	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-263-05059 Lab ID: P272182	Ambient Blank Field ID: Lab ID:	Lab ID: P273773
DIESEL COMPONENTS	70.0000	10.0000		1200.0000	560.0000	1300.0000		260.0000		0.0000 ND
PENTACOSANE	N/A	N/A		3340.0000	3140.0000	3080.0000		108.0000		3060.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-263: Oil/Water Separator Building 23226
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-263-03-0305 Lab ID: 0352910007SA	Field ID: KAFB-263-03-0812 Lab ID: 0352910008SA	Field ID: KAFB-263-99-0812 Lab ID: 0352910008SA	Trip Blank Field ID: KAFB-TB-01-050594 Lab ID: 0352910001TB	Equipment Blank Field ID: KAFB-EB-263-05059 Lab ID: 0352910002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0033	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0056	0.0050	35.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0056	0.0050	123.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0044	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0056	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0044	0.0050	7.6900	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		98.0000 %	99.0000 %	96.0000 %	92.0000 %	98.0000 %		
1,2-DICHLOROPROPANE	0.0033	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		100.0000 %	99.0000 %	100.0000 %	125.0000 %	111.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
2-HEXANONE	0.0110	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ACETONE	0.0110	0.1000	8000.000	0.0083 TR	0.0140	0.0130	2.7000 TR	0.0000 ND		
BENZENE	0.0022	0.0050	24.1000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0022	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMOFORM	0.0056	0.0050	88.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0044	0.0100	32.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0056	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0033	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0022	N/A	2160.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROFORM	0.0022	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0067	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0044	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0022	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0000 ND	0.0000 ND	0.0000 ND	1.4000 TR	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0033	0.0050	93.3000	0.0069	0.0081	0.0082	2.0000 TR	0.0000 ND		
STYRENE	0.0056	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0022	0.0050	800.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TOLUENE	0.0033	0.0050	16000.00	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		99.0000 %	98.0000 %	98.0000 %	73.0000 %	71.0000 %		
TRICHLOROETHYLENE (TCE)	0.0033	0.0050	63.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0078	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0044	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0056	0.0050	160000.0	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0056	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0056	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0033	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-263: Oil/Water Separator Building 23226
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-263-03-0305 Lab ID: P272187	Field ID: KAFB-263-03-0812 Lab ID: P272188	Field ID: KAFB-263-99-0812 Lab ID: P272188	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-263-05059 Lab ID: P272182	Ambient Blank Field ID: Lab ID:	Lab ID: P273708
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		110.0000	97.0000	100.0000		92.0000		90.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		39.0000	38.0000	39.0000		39.0000		43.0000
2-FLUOROPHENOL	N/A	N/A		73.0000	70.0000	70.0000		58.0000		80.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-263: Oil/Water Separator Building 23226
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-263-03-0305 Lab ID: P272187	Field ID: KAFB-263-03-0812 Lab ID: P272188	Field ID: KAFB-263-99-0812 Lab ID: P272188	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-263-05059 Lab ID: P272182	Ambient Blank Field ID: Lab ID:	Lab ID: P273708
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		41.0000	40.0000	40.0000		34.0000		36.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	190.0000	400.0000		0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		100.0000	98.0000	99.0000		48.0000		100.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		44.0000	42.0000	43.0000		47.0000		51.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-263: Oil/Water Separator Building 23226
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-263-03-0305 Lab ID: P272187	Field ID: KAFB-263-03-0812 Lab ID: P272188	Field ID: KAFB-263-99-0812 Lab ID: P272188	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.2000	8.4000	8.4000				

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-263: Oil/Water Separator Building 23226
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-263-04-0305 Lab ID: 0352910009SA	Field ID: KAFB-263-04-0810 Lab ID: 0352910010SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		8.9000	5.6000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-263: Oil/Water Separator Building 23226
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-263-04-0305 Lab ID: 0352910009SA	Field ID: KAFB-263-04-0810 Lab ID: 0352910010SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-050594 Lab ID: 0352910001TB	Equipment Blank Field ID: KAFB-EB-263-05059 Lab ID: 0352910002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		92.0000 %	94.0000 %		97.0000 %	102.0000 %		
BENZENE	0.0270	N/A	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0270	N/A	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
GASOLINE COMPONENTS	0.5500	N/A		0.0000 ND	0.0000 ND		5.1000 TR	5.3000 TR		
TOLUENE	0.0270	N/A	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0270	N/A	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-263: Oil/Water Separator Building 23226
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-263-04-0305 Lab ID: P272189	Field ID: KAFB-263-04-0810 Lab ID: P272190	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-263-05059 Lab ID: P272182	Ambient Blank Field ID: Lab ID:	Lab ID: P272838
ALUMINUM	2.0000	50.0000		3810.0000	8250.0000			0.0000 ND		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	46.1000	129.0000			0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.2100	0.4400			0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		36400.0000	37600.0000			62.0000		0.0000 ND
CHROMIUM, TOTAL	1.0000	7.0000		3.6000	10.3000			0.0000 ND		1.5000
COBALT	1.0000	7.0000		5.9000	6.9000			0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		10.9000	55.8000			13.0000		0.0000 ND
IRON	0.8000	7.0000		11800.0000	19200.0000			10.0000		0.0000 ND
LEAD	3.0000	50.0000	400.0000	0.0000 ND	5.5000			0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		2360.0000	4550.0000			0.0000 ND		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	213.0000	295.0000			0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	5.0000	11.2000			0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		1080.0000	1590.0000			0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		40.6000	65.0000			37.0000		0.0000 ND
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	22.8000	36.1000			0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	24.9000	59.8000			17.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-263: Oil/Water Separator Building 23226
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-263-04-0305 Lab ID: P272189	Field ID: KAFB-263-04-0810 Lab ID: P272190	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-263-05059 Lab ID: P272182	Ambient Blank Field ID: Lab ID:	Lab ID: P273895
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-263: Oil/Water Separator Building 23226
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-263-04-0305 Lab ID: P272189	Field ID: KAFB-263-04-0810 Lab ID: P272190	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-263-05059 Lab ID: P272182	Ambient Blank Field ID: Lab ID:	Lab ID: P273773
DIESEL COMPONENTS	70.0000	10.0000		910.0000	680.0000			260.0000		0.0000 ND
PENTACOSANE	N/A	N/A		3210.0000	3220.0000			108.0000		3060.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-263: Oil/Water Separator Building 23226
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-263-04-0305 Lab ID: 0352910009SA	Field ID: KAFB-263-04-0810 Lab ID: 0352910010SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-050594 Lab ID: 0352910001TB	Equipment Blank Field ID: KAFB-EB-263-05059 Lab ID: 0352910002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0055	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0055	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0044	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0055	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0044	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		98.000u %	97.0000 %		92.0000 %	98.0000 %		
1,2-DICHLOROPROPANE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		98.0000 %	98.0000 %		125.0000 %	111.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ACETONE	0.0110	0.1000	8000.000	0.0074 TR	0.0055 TR		2.7000 TR	0.0000 ND		
BENZENE	0.0022	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0022	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0055	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0044	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0055	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0022	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0022	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0066	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0044	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0022	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0000 ND	0.0000 ND		1.4000 TR	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0033	0.0050	93.3000	0.0070	0.0063		2.0000 TR	0.0000 ND		
STYRENE	0.0055	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0022	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0033	0.0050	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		97.0000 %	98.0000 %		73.0000 %	71.0000 %		
TRICHLOROETHYLENE (TCE)	0.0033	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0077	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0044	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0055	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0055	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0055	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-263: Oil/Water Separator Building 23226
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-263-04-0305 Lab ID: P272189	Field ID: KAFB-263-04-0810 Lab ID: P272190	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-263-05059 Lab ID: P272182	Ambient Blank Field ID: Lab ID:	Lab ID: P273708
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		100.0000	92.0000			92.0000		90.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		41.0000	37.0000			39.0000		43.0000
2-FLUOROPHENOL	N/A	N/A		76.0000	67.0000			58.0000		80.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-263: Oil/Water Separator Building 23226
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-263-04-0305 Lab ID: P272189	Field ID: KAFB-263-04-0810 Lab ID: P272190	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-263-05059 Lab ID: P272182	Ambient Blank Field ID: Lab ID:	Lab ID: P273708
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		43.0000	39.0000			34.0000		36.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	190.0000			0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		100.0000	94.0000			48.0000		100.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		45.0000	40.0000			47.0000		51.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-263: Oil/Water Separator Building 23226
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-263-04-0305 Lab ID: P272189	Field ID: KAFB-263-04-0810 Lab ID: P272190	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.5000	8.4000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-263: Oil/Water Separator Building 23226
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-263-05-0306 Lab ID: 0352910011SA	Field ID: KAFB-263-05-0810 Lab ID: 0352910012SA	Field ID: Lab ID: 0352910012SA	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		7.4000	9.4000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-263: Oil/Water Separator Building 23226
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-263-05-0306 Lab ID: 0352910011MS	Field ID: KAFB-263-05-0810 Lab ID: 0352910012SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-050594 Lab ID: 0352910001TB	Equipment Blank Field ID: KAFB-EB-263-05059 Lab ID: 0352910002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		75.0000 %	84.0000 %		97.0000 %	102.0000 %		
BENZENE	0.0270	N/A	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0270	N/A	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
GASOLINE COMPONENTS	0.5400	N/A		0.0000 ND	0.0000 ND		5.1000 TR	5.3000 TR		
TOLUENE	0.0270	N/A	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0270	N/A	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-263: Oil/Water Separator Building 23226
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-263-05-0306 Lab ID: P272191	Field ID: KAFB-263-05-0810 Lab ID: P272192	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-263-05059 Lab ID: P272182	Ambient Blank Field ID: Lab ID:	Lab ID: P272911
ALUMINUM	2.0000	50.0000		9050.0000	8860.0000			0.0000 ND		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	91.3000	235.0000			0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.4400	0.5700			0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		52200.0000	41800.0000			62.0000		0.0000 ND
CHROMIUM, TOTAL	1.0000	7.0000		6.9000	10.5000			0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		5.8000	7.0000			0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		15.2000	23.6000			13.0000		0.0000 ND
IRON	0.8000	7.0000		11200.0000	15000.0000			10.0000		0.0000 ND
LEAD	3.0000	50.0000	400.0000	6.7000	9.5000			0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		3010.0000	5350.0000			0.0000 ND		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	157.0000	315.0000			0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	7.0000	9.5000			0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		1650.0000	1560.0000			0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		62.0000	105.0000			37.0000		12.3000
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	26.9000	28.0000			0.0000 ND		0.0000 ND
ZINC	0.7000	2.0000	24000.00	26.4000	45.2000			17.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-263: Oil/Water Separator Building 23226
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-263-05-0306 Lab ID: P272191	Field ID: KAFB-263-05-0810 Lab ID: P272192	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-263-05059 Lab ID: P272182	Ambient Blank Field ID: Lab ID:	Lab ID: P273895
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-263: Oil/Water Separator Building 23226
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-263-05-0306 Lab ID: P272191	Field ID: KAFB-263-05-0810 Lab ID: P272192	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-263-05059 Lab ID: P272182	Ambient Blank Field ID: Lab ID:	Lab ID: P273773
DIESEL COMPONENTS	70.0000	10.0000		880.0000	1200.0000			260.0000		0.0000 ND
PENTACOSANE	N/A	N/A		3260.0000	3160.0000			108.0000		3060.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-263: Oil/Water Separator Building 23226
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-263-05-0306 Lab ID: 0352910011MS	Field ID: KAFB-263-05-0810 Lab ID: 0352910012SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-050594 Lab ID: 0352910001TB	Equipment Blank Field ID: KAFB-EB-263-05059 Lab ID: 0352910002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0032	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0054	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0054	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0043	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0054	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0043	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		98.0000 %	95.0000 %		92.0000 %	98.0000 %		
1,2-DICHLOROPROPANE	0.0032	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		97.0000 %	88.0000 %		125.0000 %	111.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ACETONE	0.0110	0.1000	8000.000	0.0040 TR	0.0000 ND		2.7000 TR	0.0000 ND		
BENZENE	0.0022	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0022	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0054	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0043	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0054	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0032	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0022	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0022	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0065	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0043	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0022	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0000 ND	0.0000 ND		1.4000 TR	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0032	0.0050	93.3000	0.0051	0.0056		2.0000 TR	0.0000 ND		
STYRENE	0.0054	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0022	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0032	0.0050	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		95.0000 %	105.0000 %		73.0000 %	71.0000 %		
TRICHLOROETHYLENE (TCE)	0.0032	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0076	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0043	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0054	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0054	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0054	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0032	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

Base: KIRTLAND AFB
Site: ST-263: Oil/Water Separator Building 23226
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

ANALYTCAL DATA SUMMARY

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-263-05-0306 Lab ID: P272191	Field ID: KAFB-263-05-0810 Lab ID: P272192	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-263-05059 Lab ID: P272182	Ambient Blank Field ID: Lab ID:	Lab ID: P273708
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		110.0000	100.0000			92.0000		90.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		40.0000	40.0000			39.0000		43.0000
2-FLUOROPHENOL	N/A	N/A		74.0000	73.0000			58.0000		80.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-263: Oil/Water Separator Building 23226
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-263-05-0306 Lab ID: P272191	Field ID: KAFB-263-05-0810 Lab ID: P272192	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-263-05059 Lab ID: P272182	Ambient Blank Field ID: Lab ID:	Lab ID: P273708
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		42.0000	42.0000			34.0000		36.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		100.0000	100.0000			48.0000		100.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		43.0000	46.0000			47.0000		51.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-263: Oil/Water Separator Building 23226
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-263-05-0306 Lab ID: P272191	Field ID: KAFB-263-05-0810 Lab ID: P272192	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.1000	8.3000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-263: Oil/Water Separator Building 23226
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-263-06-0305 Lab ID: 0353080003SA	Field ID: KAFB-263-06-0810 Lab ID: 0353080004SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		11.0000	8.4000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-263: Oil/Water Separator Building 23226
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-263-06-0305 Lab ID: 0353080003SA	Field ID: KAFB-263-06-0810 Lab ID: 0353080004SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-050694 Lab ID: 0353080001TB	Equipment Blank Field ID: KAFB-EB-263-05069 Lab ID: 0353080002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		82.0000 %	88.0000 %		103.0000 %	94.0000 %		
BENZENE	0.0280	N/A	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0280	N/A	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
GASOLINE COMPONENTS	0.5600	N/A		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0280	N/A	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0280	N/A	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-263: Oil/Water Separator Building 23226
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-263-06-0305 Lab ID: P272172	Field ID: KAFB-263-06-0810 Lab ID: P272173	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-263-05069 Lab ID: P272171	Ambient Blank Field ID: Lab ID:	Lab ID: P272838
ALUMINUM	2.0000	50.0000		7430.0000	8040.0000			0.0000 ND		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	167.0000	155.0000			0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.4300	0.4300			0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.5300			41.0000		0.0000 ND
CALCIUM	2.0000	10.0000		48500.0000	17600.0000			0.0000 ND		1.5000
CHROMIUM, TOTAL	1.0000	7.0000		8.1000	8.5000			0.0000 ND		0.0000 ND
COBALT	1.0000	7.0000		4.9000	4.3000			10.0000		0.0000 ND
COPPER	0.1000	6.0000		40.4000	7.4000			9.0000		0.0000 ND
IRON	0.8000	7.0000		13000.0000	14800.0000			0.0000 ND		0.0000 ND
LEAD	3.0000	50.0000	400.0000	9.5000	3.2000			0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		3320.0000	3170.0000			0.0000 ND		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	229.0000	211.0000			0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	25.0000	8.1000			0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		1480.0000	1460.0000			0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		63.4000	55.8000			0.0000 ND		0.0000 ND
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			4.0000		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	24.7000	28.5000			19.0000		
ZINC	0.7000	2.0000	24000.00	55.0000	26.7000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-263: Oil/Water Separator Building 23226
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-263-06-0305 Lab ID: P272172	Field ID: KAFB-263-06-0810 Lab ID: P272173	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-263-05069 Lab ID: P272171	Ambient Blank Field ID: Lab ID:	Lab ID: P273895
MERCURY	0.1000	0.1000		0.1000	0.1000			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-263: Oil/Water Separator Building 23226
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-263-06-0305 Lab ID: P272172	Field ID: KAFB-263-06-0810 Lab ID: P272173	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-263-05069 Lab ID: P272171	Ambient Blank Field ID: Lab ID:	Lab ID: P273773
DIESEL COMPONENTS	70.0000	10.0000		560.0000	850.0000			110.0000		0.0000 ND
PENTACOSANE	N/A	N/A		3140.0000	3350.0000			101.0000		3060.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-263: Oil/Water Separator Building 23226
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-263-06-0305 Lab ID: 0353080003SA	Field ID: KAFB-263-06-0810 Lab ID: 0353080004SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-050694 Lab ID: 0353080001TB	Equipment Blank Field ID: KAFB-EB-263-05069 Lab ID: 0353080002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0034	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0056	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0056	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0045	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0056	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0045	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		99.0000 %	99.0000 %		103.0000 %	99.0000 %		
1,2-DICHLOROPROPANE	0.0034	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		100.0000 %	89.0000 %		100.0000 %	99.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ACETONE	0.0110	0.1000	8000.000	0.0062 TR	0.0085 TR		0.0000 ND	0.0000 ND		
BENZENE	0.0023	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0023	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0056	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0045	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0056	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0034	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0023	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0023	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0068	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0045	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0023	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0034	0.0050	93.3000	0.0053	0.0075		5.2000 =	5.3000		
STYRENE	0.0056	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0023	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0034	0.0050	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		99.0000 %	103.0000 %		98.0000 %	99.0000 %		
TRICHLOROETHYLENE (TCE)	0.0034	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0079	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0045	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0056	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0056	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0056	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0034	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-263: Oil/Water Separator Building 23226
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-263-06-0305 Lab ID: P272172	Field ID: KAFB-263-06-0810 Lab ID: P272173	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-263-05069 Lab ID: P272171	Ambient Blank Field ID: Lab ID:	Lab ID: P273708
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		90.0000	96.0000			95.0000		90.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DiMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		40.0000	44.0000			41.0000		43.0000
2-FLUOROPHENOL	N/A	N/A		72.0000	80.0000			57.0000		80.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-263: Oil/Water Separator Building 23226
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-263-06-0305 Lab ID: P272172	Field ID: KAFB-263-06-0810 Lab ID: P272173	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-263-05069 Lab ID: P272171	Ambient Blank Field ID: Lab ID:	Lab ID: P273708
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	540.0000	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		33.0000	37.0000			36.0000		36.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		93.0000	100.0000			49.0000		100.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		45.0000	48.0000			51.0000		51.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-263: Oil/Water Separator Building 23226
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-263-06-0305 Lab ID: P272172	Field ID: KAFB-263-06-0810 Lab ID: P272173	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.4000	8.5000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-263: Oil/Water Separator Building 23226
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-263-07-0305 Lab ID: 0353080005SA	Field ID: KAFB-263-07-0810 Lab ID: 0353080006SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		8.2000	7.5000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-263: Oil/Water Separator Building 23226
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: M8015:
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-263-07-0305 Lab ID: 0353080005SA	Field ID: KAFB-263-07-0610 Lab ID: 0353080006SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-050694 Lab ID: 0353080001TB	Equipment Blank Field ID: KAFB-EB-263-05069 Lab ID: 0353080002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRIFLUOROTOLUENE	N/A	N/A		76.0000 %	82.0000 %		103.0000 %	94.0000 %		
BENZENE	0.0270	N/A	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0270	N/A	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
GASOLINE COMPONENTS	0.5400	N/A		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0270	N/A	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0270	N/A	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

Base: KIRTLAND AFB
Site: ST-263: Oil/Water Separator Building 23226
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

ANALYTCAL DATA SUMMARY

Method Extraction: SW3005: *Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-263-07-0305 Lab ID: P272174	Field ID: KAFB-263-07-0810 Lab ID: P272175	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-263-05069 Lab ID: P272171	Ambient Blank Field ID: Lab ID:	Lab ID: P272838
ALUMINUM	2.0000	50.0000		6620.0000	9110.0000			0.0000 ND		0.0000 ND
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BARIUM	0.2000	2.0000	5600.000	65.8000	227.0000			0.0000 ND		0.0000 ND
BERYLLIUM	0.2000	0.3000	16.3000	0.3300	0.4400			0.0000 ND		0.0000 ND
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
CALCIUM	2.0000	10.0000		37900.0000	27000.0000			41.0000		0.0000 ND
CHROMIUM, TOTAL	1.0000	7.0000		7.4000	9.7000			0.0000 ND		1.5000
COBALT	1.0000	7.0000		3.5000	6.6000			0.0000 ND		0.0000 ND
COPPER	0.1000	6.0000		31.0000	11.5000			10.0000		0.0000 ND
IRON	0.8000	7.0000		10900.0000	16700.0000			9.0000		0.0000 ND
LEAD	3.0000	50.0000	400.0000	0.0000 ND	3.6000			0.0000 ND		0.0000 ND
MAGNESIUM	3.0000	30.0000		2300.0000	4860.0000			0.0000 ND		0.0000 ND
MANGANESE	0.3000	2.0000	400.0000	133.0000	307.0000			0.0000 ND		0.0000 ND
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NICKEL	3.0000	15.0000	1600.000	6.2000	9.7000			0.0000 ND		0.0000 ND
POTASSIUM	20.0000	500.0000		1310.0000	1990.0000			0.0000 ND		0.0000 ND
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	9.6000			0.0000 ND		0.0000 ND
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
SODIUM	3.0000	30.0000		69.1000	68.2000			0.0000 ND		0.0000 ND
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
VANADIUM	0.4000	8.0000	720.0000	24.8000	30.5000			4.0000		0.0000 ND
ZINC	0.7000	2.0000	24000.00	34.8000	39.4000			19.0000		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-263: Oil/Water Separator Building 23226
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-263-07-0305 Lab ID: P272174	Field ID: KAFB-263-07-0810 Lab ID: P272175	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-263-05069 Lab ID: P272171	Ambient Blank Field ID: Lab ID:	Lab ID: P273895
MERCURY	0.1000	0.1000		0.0000 ND	0.6100			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-263: Oil/Water Separator Building 23226
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-263-07-0305 Lab ID: P272174	Field ID: KAFB-263-07-0810 Lab ID: P272175	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-263-05069 Lab ID: P272171	Ambient Blank Field ID: Lab ID:	Lab ID: P273773
DIESEL COMPONENTS	70.0000	10.0000		910.0000	690.0000			110.0000		0.0000 ND
PENTACOSANE	N/A	N/A		3200.0000	3100.0000			101.0000		3060.0000

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-263: Oil/Water Separator Building 23226
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-263-07-0305 Lab ID: 0353080005SA	Field ID: KAFB-263-07-0810 Lab ID: 0353080006SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-050694 Lab ID: 0353080001TB	Equipment Blank Field ID: KAFB-EB-263-05069 Lab ID: 0353080002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0054	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0054	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0044	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0054	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0044	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		100.0000 %	100.0000 %		103.0000 %	99.0000 %		
1,2-DICHLOROPROPANE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		99.0000 %	101.0000 %		100.0000 %	99.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ACETONE	0.0110	0.1000	8000.000	0.0000 ND	0.0160		0.0000 ND	0.0000 ND		
BENZENE	0.0022	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0022	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0054	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0044	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0054	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0022	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0022	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0065	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0044	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0022	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0033	0.0050	93.3000	0.0066	0.0072		5.2000 =	5.3000		
STYRENE	0.0054	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0022	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0033	0.0050	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		102.0000 %	97.0000 %		98.0000 %	99.0000 %		
TRICHLOROETHYLENE (TCE)	0.0033	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0076	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0044	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0054	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0054	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0054	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

Base: KIRTLAND AFB
Site: ST-263: Oil/Water Separator Building 23226
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

ANALYTCAL DATA SUMMARY

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-263-07-0305 Lab ID: P272174	Field ID: KAFB-263-07-0810 Lab ID: P272175	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-263-05069 Lab ID: P272171	Ambient Blank Field ID: Lab ID:	Lab ID: P273708
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4,6-TRIBROMOPHENOL	N/A	N/A		89.0000	85.0000			95.0000		90.0000
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-FLUOROBIPHENYL	N/A	N/A		40.0000	39.0000			41.0000		43.0000
2-FLUOROPHENOL	N/A	N/A		73.0000	73.0000			57.0000		80.0000
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-263: Oil/Water Separator Building 23226
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-263-07-0305 Lab ID: P272174	Field ID: KAFB-263-07-0810 Lab ID: P272175	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-263-05069 Lab ID: P272171	Ambient Blank Field ID: Lab ID:	Lab ID: P273708
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
NITROBENZENE-D5	N/A	0.7000		34.0000	33.0000			36.0000		36.0000
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
PHENOL-D5	N/A	N/A		94.0000	94.0000			49.0000		100.0000
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
TERPHENYL-D14	N/A	N/A		44.0000	46.0000			51.0000		51.0000
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		0.0000
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		0.0000 ND

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-263: Oil/Water Separator Building 23226
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-263-07-0305 Lab ID: P272174	Field ID: KAFB-263-07-0810 Lab ID: P272175	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.5000	8.5000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-264: Oil/Water Separator Building 30124
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-264-01-0709 Lab ID: 0366090003SA	Field ID: KAFB-264-01-1214 Lab ID: 0366090004SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		2.8000	6.9000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-264: Oil/Water Separator Building 30124
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-264-01-0709 Lab ID: P278570	Field ID: KAFB-264-01-1214 Lab ID: P278571	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-264-06309 Lab ID: P278569	Ambient Blank Field ID: Lab ID:	Lab ID:
ALUMINUM	2.0000	50.0000		9630.0000	9810.0000			28.0000		
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		
BARIUM	0.2000	2.0000	5600.000	161.0000	160.0000			0.0000 ND		
BERYLLIUM	0.2000	0.3000	16.3000	0.5200	0.6200			0.0000 ND		
CADMIUM	0.5000	4.0000	40.0000	1.2000	1.0000			0.0000 ND		
CALCIUM	2.0000	10.0000		14600.0000	10400.0000			90.0000		
CHROMIUM, TOTAL	1.0000	7.0000		10.8000	7.3000			0.0000 ND		
COBALT	1.0000	7.0000		13.4000	13.6000			0.0000 ND		
COPPER	0.1000	6.0000		30.5000	53.1000			17.0000		
IRON	0.8000	7.0000		18200.0000	22900.0000			27.0000		
LEAD	3.0000	50.0000	400.0000	4.8000	8.1000			0.0000 ND		
MAGNESIUM	3.0000	30.0000		8100.0000	7890.0000			0.0000 ND		
MANGANESE	0.3000	2.0000	400.0000	414.0000	528.0000			0.0000 ND		
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		
NICKEL	3.0000	15.0000	1600.000	14.7000	11.8000			0.0000 ND		
POTASSIUM	20.0000	500.0000		2410.0000	2630.0000			0.0000 ND		
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		
SODIUM	3.0000	30.0000		151.0000	254.0000			47.0000		
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		
VANADIUM	0.4000	8.0000	720.0000	37.6000	42.4000			0.0000 ND		
ZINC	0.7000	2.0000	24000.00	54.9000	81.5000			7.0000		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-264: Oil/Water Separator Building 30124
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-264-01-0709 Lab ID: P278570	Field ID: KAFB-264-01-1214 Lab ID: P278571	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-264-06309 Lab ID: P278569	Ambient Blank Field ID: Lab ID:	Lab ID:
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-264: Oil/Water Separator Building 30124
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-264-01-0709 Lab ID:	Field ID: KAFB-264-01-1214 Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-264-06309 Lab ID: P278569	Ambient Blank Field ID: Lab ID:	Lab ID:
GASOLINE COMPONENTS	100.0000	1.0000		0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-264: Oil/Water Separator Building 30124
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-264-01-0709 Lab ID: P278570	Field ID: KAFB-264-01-1214 Lab ID: P278571	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-264-06309 Lab ID: P278569	Ambient Blank Field ID: Lab ID:	Lab ID:
DIESEL COMPONENTS	70.0000	10.0000		310.0000	200.0000			0.0000 ND		
PENTACOSANE	N/A	N/A		3590.0000	2190.0000			102.0000		

Base: KIRTLAND AFB
Site: ST-264: Oil/Water Separator Building 30124
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

ANALYTCAL DATA SUMMARY

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-264-01-0709 Lab ID: 0366090003SA	Field ID: KAFB-264-01-1214 Lab ID: 0366090004MS	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-063094 Lab ID: 0366090001TB	Equipment Blank Field ID: KAFB-EB-264-06309 Lab ID: 0366090002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0031	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0051	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0051	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0041	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0051	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0041	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		102.0000 %	107.0000 %		105.0000 %	106.0000 %		
1,2-DICHLOROPROPANE	0.0031	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		97.0000 %	100.0000 %		99.0000 %	102.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0100	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0100	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ACETONE	0.0100	0.1000	8000.000	0.0000 ND	0.0068 TR		8.3000 TR	0.0000 ND		
BENZENE	0.0021	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0021	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0051	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0041	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0051	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0031	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0021	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0100	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0021	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0062	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0041	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0021	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0100	0.1000	48000.00	0.0170	0.0025 TR		0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0100	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0031	0.0050	93.3000	0.0039	0.0048		5.3000 =	9.9000		
STYRENE	0.0051	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0021	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0031	0.0050	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		111.0000 %	100.0000 %		98.0000 %	99.0000 %		
TRICHLOROETHYLENE (TCE)	0.0031	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0072	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0041	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0051	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0051	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0051	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0031	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-264: Oil/Water Separator Building 30124
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-264-01-0709 Lab ID: P278570	Field ID: KAFB-264-01-1214 Lab ID: P278571	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-264-06309 Lab ID: P278569	Ambient Blank Field ID: Lab ID:	Lab ID:
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4,6-TRIBROMOPHENOL	N/A	N/A		76.0000	0.0000			62.0000		
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2-FLUOROBIPHENYL	N/A	N/A		38.0000	41.0000			34.0000		
2-FLUOROPHENOL	N/A	N/A		65.0000	27.0000			34.0000		
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-264: Oil/Water Separator Building 30124
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-264-01-0709 Lab ID: P278570	Field ID: KAFB-264-01-1214 Lab ID: P278571	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-264-06309 Lab ID: P278569	Ambient Blank Field ID: Lab ID:	Lab ID:
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND			0.0000 ND		
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
NITROBENZENE-D5	N/A	0.7000		35.0000	36.0000			35.0000		
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	0.0000 ND			0.0000 ND		
PHENOL-D5	N/A	N/A		68.0000	46.0000			24.0000		
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		
TERPHENYL-D14	N/A	N/A		44.0000	44.0000			38.0000		
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-264: Oil/Water Separator Building 30124
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-264-01-0709 Lab ID: P278570	Field ID: KAFB-264-01-1214 Lab ID: P278571	Field ID: Lab ID: P278571	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.7000	8.3000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-264: Oil/Water Separator Building 30124
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-264-02-0709 Lab ID: 0366690003SA	Field ID: KAFB-264-02-1214 Lab ID: 0366690004SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		5.1000	2.9000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-264: Oil/Water Separator Building 30124
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: *Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-264-02-0709 Lab ID: P278809	Field ID: KAFB-264-02-1214 Lab ID: P278810	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-264-07059 Lab ID: P278808	Ambient Blank Field ID: Lab ID:	Lab ID:
ALUMINUM	2.0000	50.0000		9100.0000	10300.0000			0.0000 ND		
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		
BARIUM	0.2000	2.0000	5600.000	64.8000	83.9000			0.0000 ND		
BERYLLIUM	0.2000	0.3000	16.3000	0.6100	0.6200			0.0000 ND		
CADMIUM	0.5000	4.0000	40.0000	0.8200	0.0000 ND			0.0000 ND		
CALCIUM	2.0000	10.0000		4460.0000	10600.0000			129.0000		
CHROMIUM, TOTAL	1.0000	7.0000		14.6000	9.2000			0.0000 ND		
COBALT	1.0000	7.0000		13.1000	15.5000			0.0000 ND		
COPPER	0.1000	6.0000		69.9000	47.9000			8.0000		
IRON	0.8000	7.0000		22800.0000	26600.0000			27.0000		
LEAD	3.0000	50.0000	400.0000	8.1000	7.2000			0.0000 ND		
MAGNESIUM	3.0000	30.0000		6760.0000	8340.0000			0.0000 ND		
MANGANESE	0.3000	2.0000	400.0000	411.0000	579.0000			0.0000 ND		
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		
NICKEL	3.0000	15.0000	1600.000	14.4000	14.8000			0.0000 ND		
POTASSIUM	20.0000	500.0000		2370.0000	2510.0000			0.0000 ND		
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	10.1000			0.0000 ND		
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		
SODIUM	3.0000	30.0000		272.0000	292.0000			73.0000		
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		
VANADIUM	0.4000	8.0000	720.0000	45.4000	52.2000			0.0000 ND		
ZINC	0.7000	2.0000	24000.00	66.8000	84.2000			22.0000		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-264: Oil/Water Separator Building 30124
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-264-02-0709 Lab ID: P278809	Field ID: KAFB-264-02-1214 Lab ID: P278810	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-264-07059 Lab ID: P278808	Ambient Blank Field ID: Lab ID:	Lab ID:
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-264: Oil/Water Separator Building 30124
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-264-02-0709 Lab ID:	Field ID: KAFB-264-02-1214 Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-264-07059 Lab ID: P278808	Ambient Blank Field ID: Lab ID:	Lab ID:
GASOLINE COMPONENTS	100.0000	1.0000		0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-264: Oil/Water Separator Building 30124
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-264-02-0709 Lab ID: P278809	Field ID: KAFB-264-02-1214 Lab ID: P278810	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-264-07059 Lab ID: P278808	Ambient Blank Field ID: Lab ID:	Lab ID:
DIESEL COMPONENTS	70.0000	10.0000		1100.0000	510.0000			0.0000 ND		
PENTACOSANE	N/A	N/A		3590.0000	4480.0000			109.0000		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-264: Oil/Water Separator Building 30124
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-264-02-0709 Lab ID: 0366690003SA	Field ID: KAFB-264-02-1214 Lab ID: 0366690004SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-070594 Lab ID: 0366690001TB	Equipment Blank Field ID: KAFB-EB-264-07059 Lab ID: 0366690002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0032	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0053	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0053	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0042	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0053	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0042	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		109.0000 %	106.0000 %		109.0000 %	111.0000 %		
1,2-DICHLOROPROPANE	0.0032	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		100.0000 %	100.0000 %		102.0000 %	105.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ACETONE	0.0110	0.1000	8000.000	0.0048 TR	0.0048 TR		7.9000 TR	21.0000		
BENZENE	0.0021	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0021	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0053	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0042	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0053	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0032	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0021	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0021	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0063	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0042	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0021	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0032	0.0050	93.3000	0.0045	0.0048		4.4000 =	4.6000		
STYRENE	0.0053	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0021	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0032	0.0050	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		101.0000 %	99.0000 %		97.0000 %	101.0000 %		
TRICHLOROETHYLENE (TCE)	0.0032	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0074	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0042	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0053	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0053	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0053	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0032	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-264: Oil/Water Separator Building 30124
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-264-02-0709 Lab ID: P278809	Field ID: KAFB-264-02-1214 Lab ID: P278810	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-264-07059 Lab ID: P278808	Ambient Blank Field ID: Lab ID:	Lab ID:
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4,6-TRIBROMOPHENOL	N/A	N/A		68.0000	59.0000			86.0000		
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2-FLUOROBIPHENYL	N/A	N/A		44.0000	44.0000			48.0000		
2-FLUOROPHENOL	N/A	N/A		76.0000	78.0000			47.0000		
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-264: Oil/Water Separator Building 30124
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-264-02-0709 Lab ID: P278809	Field ID: KAFB-264-02-1214 Lab ID: P278810	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-264-07059 Lab ID: P278808	Ambient Blank Field ID: Lab ID:	Lab ID:
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND			0.0000 ND		
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
NITROBENZENE-D5	N/A	0.7000		42.0000	42.0000			46.0000		
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	0.0000 ND			0.0000 ND		
PHENOL-D5	N/A	N/A		73.0000	71.0000			32.0000		
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		
TERPHENYL-D14	N/A	N/A		46.0000	44.0000			54.0000		
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-264: Oil/Water Separator Building 30124
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-264-02-0709 Lab ID: P278809	Field ID: KAFB-264-02-1214 Lab ID: P278810	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		7.9000	8.9000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-264: Oil/Water Separator Building 30124
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-264-03-0709 Lab ID: 0366690005SA	Field ID: KAFB-264-03-1214 Lab ID: 0366690006SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		2.4000	7.1000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-264: Oil/Water Separator Building 30124
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-264-03-0709 Lab ID: P278811	Field ID: KAFB-264-03-1214 Lab ID: P278812	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-264-07059 Lab ID: P278808	Ambient Blank Field ID: Lab ID:	Lab ID:
ALUMINUM	2.0000	50.0000		10400.0000	13600.0000			0.0000 ND		
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		
BARIUM	0.2000	2.0000	5600.000	99.5000	257.0000			0.0000 ND		
BERYLLIUM	0.2000	0.3000	16.3000	0.5300	0.5200			0.0000 ND		
CADMIUM	0.5000	4.0000	40.0000	0.9500	0.8300			0.0000 ND		
CALCIUM	2.0000	10.0000		42700.0000	22900.0000			129.0000		
CHROMIUM, TOTAL	1.0000	7.0000		15.9000	10.5000			0.0000 ND		
COBALT	1.0000	7.0000		16.2000	21.8000			0.0000 ND		
COPPER	0.1000	6.0000		63.9000	140.0000			8.0000		
IRON	0.8000	7.0000		22700.0000	30000.0000			27.0000		
LEAD	3.0000	50.0000	400.0000	5.1000	3.9000			0.0000 ND		
MAGNESIUM	3.0000	30.0000		8180.0000	10900.0000			0.0000 ND		
MANGANESE	0.3000	2.0000	400.0000	393.0000	745.0000			0.0000 ND		
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		
NICKEL	3.0000	15.0000	1600.000	15.4000	15.9000			0.0000 ND		
POTASSIUM	20.0000	500.0000		2350.0000	5950.0000			0.0000 ND		
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	17.2000			0.0000 ND		
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		
SODIUM	3.0000	30.0000		252.0000	285.0000			73.0000		
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		
VANADIUM	0.4000	8.0000	720.0000	45.7000	56.6000			0.0000 ND		
ZINC	0.7000	2.0000	24000.00	76.7000	159.0000			22.0000		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-264: Oil/Water Separator Building 30124
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-264-03-0709 Lab ID: P278811	Field ID: KAFB-264-03-1214 Lab ID: P278812	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-264-07059 Lab ID: P278808	Ambient Blank Field ID: Lab ID:	Lab ID:
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-264: Oil/Water Separator Building 30124
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-264-03-0709 Lab ID:	Field ID: KAFB-264-03-1214 Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-264-07059 Lab ID: P278808	Ambient Blank Field ID: Lab ID:	Lab ID:
GASOLINE COMPONENTS	100.0000	1.0000		0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-264: Oil/Water Separator Building 30124
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-264-03-0709 Lab ID: P278811	Field ID: KAFB-264-03-1214 Lab ID: P278812	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-264-07059 Lab ID: P278808	Ambient Blank Field ID: Lab ID:	Lab ID:
DIESEL COMPONENTS	70.0000	10.0000		140.0000	550.0000			0.0000 ND		
PENTACOSANE	N/A	N/A		3790.0000	3710.0000			109.0000		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-264: Oil/Water Separator Building 30124
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-264-03-0709 Lab ID: 0366690005SA	Field ID: KAFB-264-03-1214 Lab ID: 0366690006SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-070594 Lab ID: 0366690001TB	Equipment Blank Field ID: KAFB-EB-264-07059 Lab ID: 0366690002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0031	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0051	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0051	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0041	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0051	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0041	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		108.0000 %	109.0000 %		109.0000 %	111.0000 %		
1,2-DICHLOROPROPANE	0.0031	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		98.0000 %	100.0000 %		102.0000 %	105.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0100	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0100	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ACETONE	0.0100	0.1000	8000.000	0.0084 TR	0.0091 TR		7.9000 TR	21.0000		
BENZENE	0.0020	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0020	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0051	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0041	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0051	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0031	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0020	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0100	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0020	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0061	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0041	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0020	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0100	0.1000	48000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0100	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0031	0.0050	93.3000	0.0048	0.0057		4.4000 =	4.6000		
STYRENE	0.0051	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0020	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0031	0.0050	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		101.0000 %	100.0000 %		97.0000 %	101.0000 %		
TRICHLOROETHYLENE (TCE)	0.0031	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0072	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0041	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0051	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0051	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0051	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0031	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-264: Oil/Water Separator Building 30124
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-264-03-0709 Lab ID: P278811	Field ID: KAFB-264-03-1214 Lab ID: P278812	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-264-07059 Lab ID: P278808	Ambient Blank Field ID: Lab ID:	Lab ID:
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4,6-TRIBROMOPHENOL	N/A	N/A		62.0000	4.0000			86.0000		
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2-FLUOROBIPHENYL	N/A	N/A		44.0000	42.0000			48.0000		
2-FLUOROPHENOL	N/A	N/A		79.0000	22.0000			47.0000		
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-264: Oil/Water Separator Building 30124
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-264-03-0709 Lab ID: P278811	Field ID: KAFB-264-03-1214 Lab ID: P278812	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-264-07059 Lab ID: P278808	Ambient Blank Field ID: Lab ID:	Lab ID:
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND			0.0000 ND		
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
NITROBENZENE-D5	N/A	0.7000		42.0000	35.0000			46.0000		
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	140.0000			0.0000 ND		
PHENOL-D5	N/A	N/A		67.0000	42.0000			32.0000		
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		
TERPHENYL-D14	N/A	N/A		45.0000	41.0000			54.0000		
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-264: Oil/Water Separator Building 30124
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-264-03-0709 Lab ID: P278811	Field ID: KAFB-264-03-1214 Lab ID: P278812	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.2000	8.2000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-265: Oil/Water Separator Building 30146
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-265-01-0406 Lab ID: 0365610003SA	Field ID: KAFB-265-01-0911 Lab ID: 0365610004SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		4.4000	1.8000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-265: Oil/Water Separator Building 30146
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-265-01-0406 Lab ID: P277986	Field ID: KAFB-265-01-0911 Lab ID: P277987	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-265-06289 Lab ID: P277985	Ambient Blank Field ID: Lab ID:	Lab ID:
ALUMINUM	2.0000	50.0000		11600.0000	9440.0000			59.0000		
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		
BARIUM	0.2000	2.0000	5600.000	144.0000	76.9000			2.0000		
BERYLLIUM	0.2000	0.3000	16.3000	0.6200	0.7200			0.0000 ND		
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.7200			0.0000 ND		
CALCIUM	2.0000	10.0000		12100.0000	9420.0000			388.0000		
CHROMIUM, TOTAL	1.0000	7.0000		8.9000	14.6000			0.0000 ND		
COBALT	1.0000	7.0000		17.8000	15.4000			0.0000 ND		
COPPER	0.1000	6.0000		69.1000	143.0000			6.0000		
IRON	0.8000	7.0000		25000.0000	24200.0000			72.0000		
LEAD	3.0000	50.0000	400.0000	4.4000	5.7000			0.0000 ND		
MAGNESIUM	3.0000	30.0000		9810.0000	7850.0000			183.0000		
MANGANESE	0.3000	2.0000	400.0000	584.0000	470.0000			0.0000 ND		
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		
NICKEL	3.0000	15.0000	1600.000	13.4000	18.4000			0.0000 ND		
POTASSIUM	20.0000	500.0000		5180.0000	2520.0000			0.0000 ND		
SELENIUM	7.0000	80.0000	400.0000	7.6000	0.0000 ND			0.0000 ND		
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		
SODIUM	3.0000	30.0000		313.0000	260.0000			0.0000 ND		
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		
VANADIUM	0.4000	8.0000	720.0000	47.3000	49.5000			0.0000 ND		
ZINC	0.7000	2.0000	24000.00	89.2000	90.7000			14.0000		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-265: Oil/Water Separator Building 30146
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-265-01-0406 Lab ID: P277986	Field ID: KAFB-265-01-0911 Lab ID: P277987	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-265-06289 Lab ID: P277985	Ambient Blank Field ID: Lab ID:	Lab ID:
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-265: Oil/Water Separator Building 30146
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-265-01-0406 Lab ID:	Field ID: KAFB-265-01-0911 Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-265-06289 Lab ID: P277985	Ambient Blank Field ID: Lab ID:	Lab ID:
GASOLINE COMPONENTS	100.0000	1.0000		0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-265: Oil/Water Separator Building 30146
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-265-01-0406 Lab ID: P277986	Field ID: KAFB-265-01-0911 Lab ID: P277987	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-265-06289 Lab ID: P277985	Ambient Blank Field ID: Lab ID:	Lab ID:
DIESEL COMPONENTS	7000.000	10.0000		3400000.0000	680.0000			0.0000 ND		
PENTACOSANE	N/A	N/A		0.0000	3620.0000			107.0000		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-265: Oil/Water Separator Building 30146
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-265-01-0406 Lab ID: 0365610003SA	Field ID: KAFB-265-01-0911 Lab ID: 0365610004SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-062894 Lab ID: 0365610001TB	Equipment Blank Field ID: KAFB-EB-265-06289 Lab ID: 0365610002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0031	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0052	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0052	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0042	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0052	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0042	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		96.0000 %	108.0000 %		106.0000 %	108.0000 %		
1,2-DICHLOROPROPANE	0.0031	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		73.0000 %	106.0000 %		100.0000 %	104.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0100	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0100	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ACETONE	0.0100	0.1000	8000.000	0.0020 TR	0.0000 ND		0.0000 ND	2.7000 TR		
BENZENE	0.0021	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0021	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0052	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0042	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0052	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0031	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0021	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0100	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0021	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0063	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0042	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0021	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0100	0.1000	48000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0100	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0031	0.0050	93.3000	0.0130	0.0035		5.2000 =	5.4000		
STYRENE	0.0052	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0021	0.0050	800.0000	0.0030	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0031	0.0050	16000.00	0.0120	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		113.0000 %	99.0000 %		98.0000 %	100.0000 %		
TRICHLOROETHYLENE (TCE)	0.0031	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0073	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0042	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0052	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0052	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0052	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0031	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-265: Oil/Water Separator Building 30146
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-265-01-0406 Lab ID: P277986	Field ID: KAFB-265-01-0911 Lab ID: P277987	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-265-06289 Lab ID: P277985	Ambient Blank Field ID: Lab ID:	Lab ID:
1,2,4-TRICHLOROBENZENE	4000.000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		
1,2-DICHLOROBENZENE	4000.000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
1,3-DICHLOROBENZENE	4600.000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
1,4-DICHLOROBENZENE	4600.000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4,5-TRICHLOROPHENOL	5400.000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4,6-TRIBROMOPHENOL	N/A	N/A		0.0000	70.0000			97.0000		
2,4,6-TRICHLOROPHENOL	3400.000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4-DICHLOROPHENOL	2600.000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4-DIMETHYLPHENOL	4000.000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4-DINITROPHENOL	6000.000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4-DINITROTOLUENE	4000.000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
2,6-DINITROTOLUENE	4600.000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
2-CHLORONAPHTHALENE	3400.000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
2-CHLOROPHENOL	2600.000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2-FLUOROBIPHENYL	N/A	N/A		0.0000	39.0000			50.0000		
2-FLUOROPHENOL	N/A	N/A		0.0000	70.0000			55.0000		
2-METHYLNAPHTHALENE	2600.000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		
2-METHYLPHENOL (o-CRESOL)	3400.000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2-NITROANILINE	3400.000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2-NITROPHENOL	2600.000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
3,3'-DICHLOROBENZIDINE	2000.000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		
3-NITROANILINE	3400.000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4,6-DINITRO-2-METHYLPHENOL	4000.000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-BROMOPHENYL PHENYL ETHER	4600.000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
4-CHLORO-3-METHYLPHENOL	4000.000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-CHLOROANILINE	2600.000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-CHLOROPHENYL PHENYL ETHER	4000.000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
4-METHYLPHENOL (p-CRESOL)	2600.000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-NITROANILINE	3400.000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-NITROPHENOL	3400.000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		
ACENAPHTHENE	3400.000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
ACENAPHTHYLENE	3400.000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
ANTHRACENE	4000.000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(a)ANTHRACENE	4000.000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(a)PYRENE	4000.000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(b)FLUORANTHENE	6000.000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(g,h,i)PERYLENE	5400.000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(k)FLUORANTHENE	6000.000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		
BENZOIC ACID	11400.00	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZYL ALCOHOL	2000.000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZYL BUTYL PHTHALATE	5400.000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-265: Oil/Water Separator Building 30146
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-265-01-0406 Lab ID: P277986	Field ID: KAFB-265-01-0911 Lab ID: P277987	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-265-06289 Lab ID: P277985	Ambient Blank Field ID: Lab ID:	Lab ID:
CHRYSENE	4000.000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		
DI-n-BUTYL PHTHALATE	4000.000	0.7000	8000.000	0.0000 ND	0.0000 ND			0.0000 ND		
DI-n-OCTYLPHTHALATE	6000.000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
DIBENZ(a,h)ANTHRACENE	5400.000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
DIBENZOFURAN	3400.000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
DIETHYL PHTHALATE	4600.000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
DIMETHYL PHTHALATE	4600.000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
FLUORANTHENE	4600.000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		
FLUORENE	3400.000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		
HEXACHLOROBENZENE	4600.000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
HEXACHLOROBUTADIENE	4600.000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
HEXACHLOROCYCLOPENTADIENE	5400.000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
HEXACHLOROETHANE	5400.000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
INDENO(1,2,3-c,d)PYRENE	5400.000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
ISOPHORONE	3400.000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		
N-NITROSODI-n-PROPYLAMINE	2600.000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
N-NITROSODIPHENYLAMINE	4600.000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
NAPHTHALENE	3400.000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		
NITROBENZENE	2600.000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
NITROBENZENE-D5	N/A	0.7000		0.0000	35.0000			55.0000		
PENTACHLOROPHENOL	4600.000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		
PHENANTHRENE	4600.000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
PHENOL	2600.000	0.3000	48000.00	0.0000 ND	0.0000 ND			0.0000 ND		
PHENOL-D5	N/A	N/A		0.0000	70.0000			40.0000		
PYRENE	4600.000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		
TERPHENYL-D14	N/A	N/A		0.0000	43.0000			55.0000		
bis(2-CHLOROETHOXY) METHANE	3400.000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	2600.000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
bis(2-CHLOROISOPROPYL) ETHER	2600.000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
bis(2-ETHYLHEXYL) PHTHALATE	13400.00	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-265: Oil/Water Separator Building 30146
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-265-01-0406 Lab ID: P277986	Field ID: KAFB-265-01-0911 Lab ID: P277987	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.0000	9.0000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-265: Oil/Water Separator Building 30146
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-265-02-0408 Lab ID: 0365610006SA	Field ID: KAFB-265-99-0408 Lab ID: 0365610006SA	Field ID: KAFB-265-02-0911 Lab ID: 0365610005SA	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		2.1000	3.8000	2.4000				

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-265: Oil/Water Separator Building 30146
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: *Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-265-02-0408 Lab ID: P277988	Field ID: KAFB-265-99-0408 Lab ID: P277988	Field ID: KAFB-265-02-0911 Lab ID: P277990	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-265-06289 Lab ID: P277985	Ambient Blank Field ID: Lab ID:	Lab ID:
ALUMINUM	2.0000	50.0000		9230.0000	8650.0000	7090.0000		59.0000		
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
BARIUM	0.2000	2.0000	5600.000	108.0000	99.7000	96.2000		2.0000		
BERYLLIUM	0.2000	0.3000	16.3000	0.6300	0.6200	0.5100		0.0000 ND		
CADMIUM	0.5000	4.0000	40.0000	0.8400	0.8200	0.0000 ND		0.0000 ND		
CALCIUM	2.0000	10.0000		29300.0000	22300.0000	10400.0000		388.0000		
CHROMIUM, TOTAL	1.0000	7.0000		10.7000	14.3000	12.6000		0.0000 ND		
COBALT	1.0000	7.0000		13.6000	14.0000	12.3000		0.0000 ND		
COPPER	0.1000	6.0000		25.7000	51.6000	33.1000		6.0000		
IRON	0.8000	7.0000		19400.0000	23000.0000	20100.0000		72.0000		
LEAD	3.0000	50.0000	400.0000	3.8000	4.0000	6.1000		0.0000 ND		
MAGNESIUM	3.0000	30.0000		7960.0000	6790.0000	6100.0000		183.0000		
MANGANESE	0.3000	2.0000	400.0000	409.0000	370.0000	335.0000		0.0000 ND		
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
NICKEL	3.0000	15.0000	1600.000	12.9000	88.2000	12.5000		0.0000 ND		
POTASSIUM	20.0000	500.0000		2680.0000	2410.0000	2020.0000		0.0000 ND		
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
SODIUM	3.0000	30.0000		327.0000	354.0000	231.0000		0.0000 ND		
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
VANADIUM	0.4000	8.0000	720.0000	40.3000	49.5000	43.3000		0.0000 ND		
ZINC	0.7000	2.0000	24000.00	51.2000	55.8000	45.8000		14.0000		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-265: Oil/Water Separator Building 30146
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-265-02-0408 Lab ID: P277988	Field ID: KAFB-265-99-0408 Lab ID: P277988	Field ID: KAFB-265-02-0911 Lab ID: P277990	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-265-06289 Lab ID: P277985	Ambient Blank Field ID: Lab ID:	Lab ID:
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-265: Oil/Water Separator Building 30146
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-265-02-0408 Lab ID:	Field ID: KAFB-265-99-0408 Lab ID:	Field ID: KAFB-265-02-0911 Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-265-06289 Lab ID: P277985	Ambient Blank Field ID: Lab ID:	Lab ID:
GASOLINE COMPONENTS	100.0000	1.0000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-265: Oil/Water Separator Building 30146
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-265-02-0408 Lab ID: P277988	Field ID: KAFB-265-99-0408 Lab ID: P277988	Field ID: KAFB-265-02-0911 Lab ID: P277990	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-265-06289 Lab ID: P277985	Ambient Blank Field ID: Lab ID:	Lab ID:
DIESEL COMPONENTS	70.0000	10.0000		590.0000	720.0000	710.0000		0.0000 ND		
PENTACOSANE	N/A	N/A		3690.0000	3480.0000	3540.0000		107.0000		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-265: Oil/Water Separator Building 30146
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-265-02-0408 Lab ID: 0365610006SA	Field ID: KAFB-265-99-0408 Lab ID: 0365610006SA	Field ID: KAFB-265-02-0911 Lab ID: 0365610005SA	Trip Blank Field ID: KAFB-TB-01-062894 Lab ID: 0365610001TB	Equipment Blank Field ID: KAFB-EB-265-06289 Lab ID: 0365610002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0031	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0051	0.0050	35.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0051	0.0050	123.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0041	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0051	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0041	0.0050	7.6900	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		111.0000 %	90.0000 %	107.0000 %	106.0000 %	108.0000 %		
1,2-DICHLOROPROPANE	0.0031	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		104.0000 %	100.0000 %	105.0000 %	100.0000 %	104.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0100	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
2-HEXANONE	0.0100	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ACETONE	0.0100	0.1000	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	2.7000 TR		
BENZENE	0.0020	0.0050	24.1000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0020	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMOFORM	0.0051	0.0050	88.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0041	0.0100	32.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0051	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0031	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0020	N/A	2160.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0100	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROFORM	0.0020	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0061	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0041	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0020	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0100	0.1000	48000.00	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0100	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0031	0.0050	93.3000	0.0035	0.0000 ND	0.0041	5.2000 =	5.4000		
STYRENE	0.0051	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0020	0.0050	800.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TOLUENE	0.0031	0.0050	16000.00	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		97.0000 %	99.0000 %	102.0000 %	98.0000 %	100.0000 %		
TRICHLOROETHYLENE (TCE)	0.0031	0.0050	63.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0071	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0041	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0051	0.0050	160000.0	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0051	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0051	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0031	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-265: Oil/Water Separator Building 30146
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-265-02-0408 Lab ID: P277988	Field ID: KAFB-265-99-0408 Lab ID: P277988	Field ID: KAFB-265-02-0911 Lab ID: P277990	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-265-06289 Lab ID: P277985	Ambient Blank Field ID: Lab ID:	Lab ID:
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2,4,6-TRIBROMOPHENOL	N/A	N/A		65.0000	75.0000	70.0000		97.0000		
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2-FLUOROBIPHENYL	N/A	N/A		39.0000	40.0000	42.0000		50.0000		
2-FLUOROPHENOL	N/A	N/A		70.0000	80.0000	70.0000		55.0000		
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-265: Oil/Water Separator Building 30146
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-265-02-0408 Lab ID: P277988	Field ID: KAFB-265-99-0408 Lab ID: P277988	Field ID: KAFB-265-02-0911 Lab ID: P277990	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-265-06289 Lab ID: P277985	Ambient Blank Field ID: Lab ID:	Lab ID:
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
NITROBENZENE-D5	N/A	0.7000		36.0000	37.0000	38.0000		55.0000		
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
PHENOL-D5	N/A	N/A		70.0000	75.0000	75.0000		40.0000		
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
TERPHENYL-D14	N/A	N/A		46.0000	44.0000	46.0000		55.0000		
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-265: Oil/Water Separator Building 30146
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-265-02-0408 Lab ID: P277988	Field ID: KAFB-265-99-0408 Lab ID: P277988	Field ID: KAFB-265-02-0911 Lab ID: P277990	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.6000	9.0000	9.0000				

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-265: Oil/Water Separator Building 30146
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-265-03-0406 Lab ID: 0365610008SA	Field ID: Lab ID: 0365610008SA	Field ID: KAFB-265-09-0911 Lab ID: 0365610009SA	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		8.3000		3.2000				

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-265: Oil/Water Separator Building 30146
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-265-03-0406 Lab ID: P277991	Field ID: KAFB-265-09-0911 Lab ID: P277992	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-265-06289 Lab ID: P277985	Ambient Blank Field ID: Lab ID:	Lab ID:
ALUMINUM	2.0000	50.0000		12100.0000	86.1000			59.0000		
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		
BARIUM	0.2000	2.0000	5600.000	138.0000	1.5000			2.0000		
BERYLLIUM	0.2000	0.3000	16.3000	0.7700	0.0100			0.0000 ND		
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0100			0.0000 ND		
CALCIUM	2.0000	10.0000		11900.0000	159.0000			388.0000		
CHROMIUM, TOTAL	1.0000	7.0000		12.6000	0.1500			0.0000 ND		
COBALT	1.0000	7.0000		10.5000	0.1300			0.0000 ND		
COPPER	0.1000	6.0000		25.2000	0.4800			6.0000		
IRON	0.8000	7.0000		18100.0000	223.0000			72.0000		
LEAD	3.0000	50.0000	400.0000	5.9000	0.0300			0.0000 ND		
MAGNESIUM	3.0000	30.0000		7970.0000	82.4000			183.0000		
MANGANESE	0.3000	2.0000	400.0000	411.0000	3.2000			0.0000 ND		
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		
NICKEL	3.0000	15.0000	1600.000	16.3000	0.1300			0.0000 ND		
POTASSIUM	20.0000	500.0000		2710.0000	29.3000			0.0000 ND		
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		
SODIUM	3.0000	30.0000		424.0000	4.7000			0.0000 ND		
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		
VANADIUM	0.4000	8.0000	720.0000	36.2000	0.5300			0.0000 ND		
ZINC	0.7000	2.0000	24000.00	46.9000	0.4700			14.0000		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-265: Oil/Water Separator Building 30146
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-265-03-0406 Lab ID: P277991	Field ID: KAFB-265-09-0911 Lab ID: P277992	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-265-06289 Lab ID: P277985	Ambient Blank Field ID: Lab ID:	Lab ID:
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-265: Oil/Water Separator Building 30146
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-265-03-0406 Lab ID:	Field ID: KAFB-265-09-0911 Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-265-06289 Lab ID: P277985	Ambient Blank Field ID: Lab ID:	Lab ID:
GASOLINE COMPONENTS	100.0000	1.0000		0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-265: Oil/Water Separator Building 30146
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-265-03-0406 Lab ID: P277991	Field ID: KAFB-265-09-0911 Lab ID: P277992	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-265-06289 Lab ID: P277985	Ambient Blank Field ID: Lab ID:	Lab ID:
DIESEL COMPONENTS	70.0000	10.0000		2300.0000	1000.0000			0.0000 ND		
PENTACOSANE	N/A	N/A		3790.0000	3440.0000			107.0000		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-265: Oil/Water Separator Building 30146
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-265-03-0406 Lab ID: 0365610008SA	Field ID: KAFB-265-09-0911 Lab ID: 0365610009SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-062894 Lab ID: 0365610001TB	Equipment Blank Field ID: KAFB-EB-265-06289 Lab ID: 0365610002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0055	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0055	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0044	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0055	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0044	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		88.0000 %	88.0000 %		106.0000 %	108.0000 %		
1,2-DICHLOROPROPANE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		98.0000 %	100.0000 %		100.0000 %	104.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ACETONE	0.0110	0.1000	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	2.7000 TR		
BENZENE	0.0022	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0022	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0055	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0044	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0055	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0022	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0022	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0065	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0044	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0022	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0033	0.0050	93.3000	0.0000 ND	0.0000 ND		5.2000 =	5.4000		
STYRENE	0.0055	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0022	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0033	0.0050	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		104.0000 %	100.0000 %		98.0000 %	100.0000 %		
TRICHLOROETHYLENE (TCE)	0.0033	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0076	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0044	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0055	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0055	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0055	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-265: Oil/Water Separator Building 30146
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-265-03-0406 Lab ID: P277991	Field ID: KAFB-265-09-0911 Lab ID: P277992	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-265-06289 Lab ID: P277985	Ambient Blank Field ID: Lab ID:	Lab ID:
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4,6-TRIBROMOPHENOL	N/A	N/A		75.0000	65.0000			97.0000		
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2-FLUOROBIPHENYL	N/A	N/A		39.0000	37.0000			50.0000		
2-FLUOROPHENOL	N/A	N/A		70.0000	65.0000			55.0000		
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-265: Oil/Water Separator Building 30146
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-265-03-0406 Lab ID: P277991	Field ID: KAFB-265-09-0911 Lab ID: P277992	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-265-06289 Lab ID: P277985	Ambient Blank Field ID: Lab ID:	Lab ID:
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND			0.0000 ND		
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
NITROBENZENE-D5	N/A	0.7000		36.0000	35.0000			55.0000		
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	0.0000 ND			0.0000 ND		
PHENOL-D5	N/A	N/A		75.0000	70.0000			40.0000		
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		
TERPHENYL-D14	N/A	N/A		44.0000	40.0000			55.0000		
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-265: Oil/Water Separator Building 30146
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-265-03-0406 Lab ID: P277991	Field ID: KAFB-265-09-0911 Lab ID: P277992	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.7000	8.3000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-266: Area Drain ST-266 Building 57001
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-266-01-0610 Lab ID: 0364500003SA	Field ID: KAFB-266-99-0610 Lab ID: 0364500003SA	Field ID: KAFB-266-01-1618 Lab ID: 0364500005SA	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		6.3000	4.2000	8.3000				

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-266: Area Drain ST-266 Building 57001
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-266-01-0610 Lab ID: P277690	Field ID: KAFB-266-99-0610 Lab ID: P277690	Field ID: KAFB-266-01-1618 Lab ID: P277692	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-266-06239 Lab ID: P277689	Ambient Blank Field ID: Lab ID:	Lab ID:
ALUMINUM	2.0000	50.0000		3940.0000	2990.0000	3740.0000		83.0000		
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND	7.9000		0.0000 ND		
BARIUM	0.2000	2.0000	5600.000	63.3000	64.1000	103.0000		0.0000 ND		
BERYLLIUM	0.2000	0.3000	16.3000	0.4300	0.3100	0.4200		2.0000		
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
CALCIUM	2.0000	10.0000		41900.0000	29900.0000	37000.0000		70.0000		
CHROMIUM, TOTAL	1.0000	7.0000		6.5000	7.8000	6.9000		12.0000		
COBALT	1.0000	7.0000		3.2000	2.5000	2.9000		0.0000 ND		
COPPER	0.1000	6.0000		40.7000	28.4000	32.8000		12.0000		
IRON	0.8000	7.0000		6350.0000	5540.0000	5680.0000		50.0000		
LEAD	3.0000	50.0000	400.0000	10.6000	5.5000	5.6000		0.0000 ND		
MAGNESIUM	3.0000	30.0000		2420.0000	1900.0000	2620.0000		90.0000		
MANGANESE	0.3000	2.0000	400.0000	155.0000	141.0000	130.0000		0.0000 ND		
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
NICKEL	3.0000	15.0000	1600.000	16.4000	32.5000	3.7000		0.0000 ND		
POTASSIUM	20.0000	500.0000		816.0000	699.0000	740.0000		0.0000 ND		
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.3100	0.3200		0.0000 ND		
SODIUM	3.0000	30.0000		77.5000	65.1000	295.0000		68.0000		
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
VANADIUM	0.4000	8.0000	720.0000	11.7000	10.9000	17.0000		0.0000 ND		
ZINC	0.7000	2.0000	24000.00	37.5000	26.8000	30.7000		14.0000		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-266: Area Drain ST-266 Building 57001
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-266-01-0610 Lab ID: P277690	Field ID: KAFB-266-99-0610 Lab ID: P277690	Field ID: KAFB-266-01-1618 Lab ID: P277692	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-266-06239 Lab ID: P277689	Ambient Blank Field ID: Lab ID:	Lab ID:
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-266: Area Drain ST-266 Building 57001
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-266-01-0610 Lab ID:	Field ID: KAFB-266-99-0610 Lab ID:	Field ID: KAFB-266-01-1618 Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-266-06239 Lab ID: P277689	Ambient Blank Field ID: Lab ID:	Lab ID:
GASOLINE COMPONENTS	100.0000	1.0000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-266: Area Drain ST-266 Building 57001
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-266-01-0610 Lab ID: P277690	Field ID: KAFB-266-99-0610 Lab ID: P277690	Field ID: KAFB-266-01-1618 Lab ID: P277692	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-266-06239 Lab ID: P277689	Ambient Blank Field ID: Lab ID:	Lab ID:
DIESEL COMPONENTS	70.0000	10.0000		600.0000	1500.0000	390.0000		0.0000 ND		
PENTACOSANE	N/A	N/A		3890.0000	3780.0000	3620.0000		111.0000		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-266: Area Drain ST-266 Building 57001
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-266-01-0610 Lab ID: 0364500003SA	Field ID: KAFB-266-99-0610 Lab ID: 0364500003SA	Field ID: KAFB-266-01-1618 Lab ID: 0364500005SA	Trip Blank Field ID: KAFB-TB-01-062394 Lab ID: 0364500001TB	Equipment Blank Field ID: KAFB-EB-266-06239 Lab ID: 0364500002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0032	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0053	0.0050	35.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0053	0.0050	123.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0043	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0053	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0043	0.0050	7.6900	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		98.0000 %	98.0000 %	100.0000 %	99.0000 %	100.0000 %		
1,2-DICHLOROPROPANE	0.0032	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		94.0000 %	94.0000 %	93.0000 %	100.0000 %	98.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
2-HEXANONE	0.0110	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ACETONE	0.0110	0.1000	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	18.0000		
BENZENE	0.0021	0.0050	24.1000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0021	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMOFORM	0.0053	0.0050	88.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0043	0.0100	32.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0053	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0032	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0021	N/A	2160.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROFORM	0.0021	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0064	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0043	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0021	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0032	0.0050	93.3000	0.0038	0.0036	0.0043	3.3000 =	3.3000		
STYRENE	0.0053	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0021	0.0050	800.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TOLUENE	0.0032	0.0050	16000.00	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		100.0000 %	100.0000 %	99.0000 %	97.0000 %	97.0000 %		
TRICHLOROETHYLENE (TCE)	0.0032	0.0050	63.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0075	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0043	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0053	0.0050	160000.0	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0053	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0053	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0032	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-266: Area Drain ST-266 Building 57001
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-266-01-0610 Lab ID: P277690	Field ID: KAFB-266-99-0610 Lab ID: P277690	Field ID: KAFB-266-01-1618 Lab ID: P277692	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-266-06239 Lab ID: P277689	Ambient Blank Field ID: Lab ID:	Lab ID:
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2,4,6-TRIBROMOPHENOL	N/A	N/A		75.0000	80.0000	80.0000		38.0000		
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2-FLUOROBIPHENYL	N/A	N/A		45.0000	47.0000	44.0000		42.0000		
2-FLUOROPHENOL	N/A	N/A		75.0000	80.0000	75.0000		45.0000		
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-266: Area Drain ST-266 Building 57001
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-266-01-0610 Lab ID: P277690	Field ID: KAFB-266-99-0610 Lab ID: P277690	Field ID: KAFB-266-01-1618 Lab ID: P277692	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-266-06239 Lab ID: P277689	Ambient Blank Field ID: Lab ID:	Lab ID:
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
NITROBENZENE-D5	N/A	0.7000		44.0000	48.0000	44.0000		42.0000		
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
PHENOL-D5	N/A	N/A		85.0000	90.0000	85.0000		35.0000		
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
TERPHENYL-D14	N/A	N/A		50.0000	55.0000	50.0000		46.0000		
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-266: Area Drain ST-266 Building 57001
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-266-01-0610 Lab ID: P277690	Field ID: KAFB-266-99-0610 Lab ID: P277690	Field ID: KAFB-266-01-1618 Lab ID: P277692	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.1000	8.0000	8.6000				
pH	N/A	N/A		8.6000						

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-266: Area Drain ST-266 Building 57001
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-266-02-0608 Lab ID: 0364500006SA	Field ID: Lab ID: 0364500006SA	Field ID: KAFB-266-02-1618 Lab ID: 0364500007SA	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		11.0000		3.2000				

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-266: Area Drain ST-266 Building 57001
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: *Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-266-02-0608 Lab ID: P277693	Field ID: KAFB-266-02-1618 Lab ID: P277694	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-266-06239 Lab ID: P277689	Ambient Blank Field ID: Lab ID:	Lab ID:
ALUMINUM	2.0000	50.0000		4460.0000	4740.0000			83.0000		
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		
BARIUM	0.2000	2.0000	5600.000	155.0000	63.2000			0.0000 ND		
BERYLLIUM	0.2000	0.3000	16.3000	0.4300	0.5200			2.0000		
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND			0.0000 ND		
CALCIUM	2.0000	10.0000		82800.0000	46800.0000			70.0000		
CHROMIUM, TOTAL	1.0000	7.0000		5.2000	8.6000			12.0000		
COBALT	1.0000	7.0000		4.2000	2.8000			0.0000 ND		
COPPER	0.1000	6.0000		10.1000	159.0000			12.0000		
IRON	0.8000	7.0000		5330.0000	9320.0000			50.0000		
LEAD	3.0000	50.0000	400.0000	16.9000	11.3000			0.0000 ND		
MAGNESIUM	3.0000	30.0000		3660.0000	2520.0000			90.0000		
MANGANESE	0.3000	2.0000	400.0000	86.8000	249.0000			0.0000 ND		
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		
NICKEL	3.0000	15.0000	1600.000	4.1000	11.6000			0.0000 ND		
POTASSIUM	20.0000	500.0000		777.0000	855.0000			0.0000 ND		
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		
SILVER	0.3000	7.0000	400.0000	0.5400	0.0000 ND			0.0000 ND		
SODIUM	3.0000	30.0000		66.6000	64.8000			68.0000		
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		
VANADIUM	0.4000	8.0000	720.0000	19.8000	16.4000			0.0000 ND		
ZINC	0.7000	2.0000	24000.00	20.8000	76.5000			14.0000		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-266: Area Drain ST-266 Building 57001
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-266-02-0608 Lab ID: P277693	Field ID: KAFB-266-02-1618 Lab ID: P277694	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-266-06239 Lab ID: P277689	Ambient Blank Field ID: Lab ID:	Lab ID:
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-266: Area Drain ST-266 Building 57001
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-266-02-0608 Lab ID:	Field ID: KAFB-266-02-1618 Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-266-06239 Lab ID: P277689	Ambient Blank Field ID: Lab ID:	Lab ID:
GASOLINE COMPONENTS	100.0000	1.0000		0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-266: Area Drain ST-266 Building 57001
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-266-02-0608 Lab ID: P277693	Field ID: KAFB-266-02-1618 Lab ID: P277694	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-266-06239 Lab ID: P277689	Ambient Blank Field ID: Lab ID:	Lab ID:
DIESEL COMPONENTS	70.0000	10.0000		640.0000	310.0000			0.0000 ND		
PENTACOSANE	N/A	N/A		3430.0000	3390.0000			111.0000		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-266: Area Drain ST-266 Building 57001
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-266-02-0608 Lab ID: 0364500006SA	Field ID: KAFB-266-02-1618 Lab ID: 0364500007SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-062394 Lab ID: 0364500001TB	Equipment Blank Field ID: KAFB-EB-266-06239 Lab ID: 0364500002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0034	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0056	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0056	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0045	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0056	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0045	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		100.0000 %	100.0000 %		99.0000 %	100.0000 %		
1,2-DICHLOROPROPANE	0.0034	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		97.0000 %	98.0000 %		100.0000 %	98.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ACETONE	0.0110	0.1000	8000.000	0.0000 ND	0.0470		0.0000 ND	18.0000		
BENZENE	0.0022	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0022	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0056	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0045	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0056	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0034	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0022	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0022	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0067	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0045	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0022	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0034	0.0050	93.3000	0.0039	0.0042		3.3000 =	3.3000		
STYRENE	0.0056	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0022	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0034	0.0050	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		101.0000 %	97.0000 %		97.0000 %	97.0000 %		
TRICHLOROETHYLENE (TCE)	0.0034	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0078	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0045	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0056	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0056	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0056	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0034	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-266: Area Drain ST-266 Building 57001
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-266-02-0608 Lab ID: P277693	Field ID: KAFB-266-02-1618 Lab ID: P277694	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-266-06239 Lab ID: P277689	Ambient Blank Field ID: Lab ID:	Lab ID:
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4,6-TRIBROMOPHENOL	N/A	N/A		90.0000	90.0000			38.0000		
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2-FLUOROBIPHENYL	N/A	N/A		44.0000	47.0000			42.0000		
2-FLUOROPHENOL	N/A	N/A		80.0000	80.0000			45.0000		
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-266: Area Drain ST-266 Building 57001
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-266-02-0608 Lab ID: P277693	Field ID: KAFB-266-02-1618 Lab ID: P277694	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-266-06239 Lab ID: P277689	Ambient Blank Field ID: Lab ID:	Lab ID:
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND			0.0000 ND		
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
NITROBENZENE-D5	N/A	0.7000		46.0000	46.0000			42.0000		
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	0.0000 ND			0.0000 ND		
PHENOL-D5	N/A	N/A		85.0000	85.0000			35.0000		
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		
TERPHENYL-D14	N/A	N/A		50.0000	55.0000			46.0000		
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-266: Area Drain ST-266 Building 57001
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-266-02-0608 Lab ID: P277693	Field ID: KAFB-266-02-1618 Lab ID: P277694	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		7.5000	8.0000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-266: Area Drain ST-266 Building 57001
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-266-03-0608 Lab ID: 0364500008SA	Field ID: KAFB-266-03-1618 Lab ID: 0364500009SA	Field ID: KAFB-266-03-2224 Lab ID: 0364500010RA	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		8.7000	3.4000	3.6000				

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-266: Area Drain ST-266 Building 57001
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-266-03-0608 Lab ID: P277695	Field ID: KAFB-266-03-1618 Lab ID: P277696	Field ID: KAFB-266-03-2224 Lab ID: P277697	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-266-06239 Lab ID: P277689	Ambient Blank Field ID: Lab ID:	Lab ID:
ALUMINUM	2.0000	50.0000		4550.0000	2840.0000	5300.0000		83.0000		
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
BARIUM	0.2000	2.0000	5600.000	495.0000	68.2000	96.5000		0.0000 ND		
BERYLLIUM	0.2000	0.3000	16.3000	0.4300	0.3100	0.5300		2.0000		
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
CALCIUM	2.0000	10.0000		97400.0000	29000.0000	24600.0000		70.0000		
CHROMIUM, TOTAL	1.0000	7.0000		10.0000	3.9000	7.1000		12.0000		
COBALT	1.0000	7.0000		2.6000	2.2000	2.5000		0.0000 ND		
COPPER	0.1000	6.0000		20.2000	18.7000	37.4000		12.0000		
IRON	0.8000	7.0000		5860.0000	6760.0000	8540.0000		50.0000		
LEAD	3.0000	50.0000	400.0000	6.7000	8.3000	3.3000		0.0000 ND		
MAGNESIUM	3.0000	30.0000		3820.0000	1590.0000	2760.0000		90.0000		
MANGANESE	0.3000	2.0000	400.0000	99.7000	155.0000	118.0000		0.0000 ND		
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
NICKEL	3.0000	15.0000	1600.000	5.5000	4.0000	5.8000		0.0000 ND		
POTASSIUM	20.0000	500.0000		633.0000	629.0000	715.0000		0.0000 ND		
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
SODIUM	3.0000	30.0000		83.3000	46.4000	59.6000		68.0000		
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
VANADIUM	0.4000	8.0000	720.0000	20.4000	10.1000	16.2000		0.0000 ND		
ZINC	0.7000	2.0000	24000.00	25.1000	26.1000	31.9000		14.0000		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-266: Area Drain ST-266 Building 57001
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-266-03-0608 Lab ID: P277695	Field ID: KAFB-266-03-1618 Lab ID: P277696	Field ID: KAFB-266-03-2224 Lab ID: P277697	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-266-06239 Lab ID: P277689	Ambient Blank Field ID: Lab ID:	Lab ID:
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-266: Area Drain ST-266 Building 57001
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-266-03-0608 Lab ID:	Field ID: KAFB-266-03-1618 Lab ID:	Field ID: KAFB-266-03-2224 Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-266-06239 Lab ID: P277689	Ambient Blank Field ID: Lab ID:	Lab ID:
GASOLINE COMPONENTS	100.0000	1.0000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-266: Area Drain ST-266 Building 57001
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-266-03-0608 Lab ID: P277695	Field ID: KAFB-266-03-1618 Lab ID: P277696	Field ID: KAFB-266-03-2224 Lab ID: P277697	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-266-06239 Lab ID: P277689	Ambient Blank Field ID: Lab ID:	Lab ID:
DIESEL COMPONENTS	70.0000	10.0000		540.0000	760.0000	74.0000		0.0000 ND		
PENTACOSANE	N/A	N/A		3640.0000	3650.0000	3480.0000		111.0000		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-266: Area Drain ST-266 Building 57001
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-266-03-0608 Lab ID: 0364500008SA	Field ID: KAFB-266-03-1618 Lab ID: 0364500009SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-062394 Lab ID: 0364500001TB	Equipment Blank Field ID: KAFB-EB-266-06239 Lab ID: 0364500002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0055	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0055	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0044	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0055	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0044	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		101.0000 %	101.0000 %		99.0000 %	100.0000 %		
1,2-DICHLOROPROPANE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		95.0000 %	95.0000 %		100.0000 %	98.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ACETONE	0.0110	0.1000	8000.000	0.0000 ND	0.2900		0.0000 ND	18.0000		
BENZENE	0.0022	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0022	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0055	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0044	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0055	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0022	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0022	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0066	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0044	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0022	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0033	0.0050	93.3000	0.0041	0.0058		3.3000 =	3.3000		
STYRENE	0.0055	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0022	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0033	0.0050	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		99.0000 %	101.0000 %		97.0000 %	97.0000 %		
TRICHLOROETHYLENE (TCE)	0.0033	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0077	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0044	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0055	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0055	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0055	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-266: Area Drain ST-266 Building 57001
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-266-03-0608 Lab ID: P277695	Field ID: KAFB-266-03-1618 Lab ID: P277696	Field ID: KAFB-266-03-2224 Lab ID: P277697	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-266-06239 Lab ID: P277689	Ambient Blank Field ID: Lab ID:	Lab ID:
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2,4,6-TRIBROMOPHENOL	N/A	N/A		95.0000	95.0000	90.0000		38.0000		
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2-FLUOROBIPHENYL	N/A	N/A		44.0000	47.0000	48.0000		42.0000		
2-FLUOROPHENOL	N/A	N/A		80.0000	80.0000	80.0000		45.0000		
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-266: Area Drain ST-266 Building 57001
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-266-03-0608 Lab ID: P277695	Field ID: KAFB-266-03-1618 Lab ID: P277696	Field ID: KAFB-266-03-2224 Lab ID: P277697	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-266-06239 Lab ID: P277689	Ambient Blank Field ID: Lab ID:	Lab ID:
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
NITROBENZENE-D5	N/A	0.7000		45.0000	47.0000	48.0000		42.0000		
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
PHENOL-D5	N/A	N/A		85.0000	85.0000	90.0000		35.0000		
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
TERPHENYL-D14	N/A	N/A		50.0000	55.0000	55.0000		46.0000		
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-266: Area Drain ST-266 Building 57001
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-266-03-0608 Lab ID: P277695	Field ID: KAFB-266-03-1618 Lab ID: P277696	Field ID: KAFB-266-03-2224 Lab ID: P277697	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		7.9000	8.1000	8.2000				

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-266: Area Drain ST-266 Building 57001
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-266-04-0608 Lab ID: 0364870003SA	Field ID: KAFB-266-04-1618 Lab ID: 0364870004SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		9.3000	4.1000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-266: Area Drain ST-266 Building 57001
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-266-04-0608 Lab ID: P277799	Field ID: KAFB-266-04-1618 Lab ID: P277800	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-266-06249 Lab ID: P277798	Ambient Blank Field ID: Lab ID:	Lab ID:
ALUMINUM	2.0000	50.0000		5290.0000	4790.0000			49.0000		
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		
BARIUM	0.2000	2.0000	5600.000	162.0000	116.0000			0.0000 ND		
BERYLLIUM	0.2000	0.3000	16.3000	0.4400	0.4200			0.0000 ND		
CADMIUM	0.5000	4.0000	40.0000	0.5400	0.0000 ND			0.0000 ND		
CALCIUM	2.0000	10.0000		84100.0000	106000.0000			56.0000		
CHROMIUM, TOTAL	1.0000	7.0000		8.3000	9.2000			0.0000 ND		
COBALT	1.0000	7.0000		2.8000	2.1000			0.0000 ND		
COPPER	0.1000	6.0000		19.5000	297.0000			14.0000		
IRON	0.8000	7.0000		6580.0000	7690.0000			20.0000		
LEAD	3.0000	50.0000	400.0000	7.1000	6.9000			0.0000 ND		
MAGNESIUM	3.0000	30.0000		3310.0000	3670.0000			41.0000		
MANGANESE	0.3000	2.0000	400.0000	111.0000	196.0000			0.0000 ND		
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		
NICKEL	3.0000	15.0000	1600.000	22.9000	17.1000			0.0000 ND		
POTASSIUM	20.0000	500.0000		958.0000	848.0000			0.0000 ND		
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			4.0000		
SODIUM	3.0000	30.0000		79.3000	102.0000			47.0000		
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		
VANADIUM	0.4000	8.0000	720.0000	17.5000	16.0000			0.0000 ND		
ZINC	0.7000	2.0000	24000.00	25.7000	130.0000			10.0000		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-266: Area Drain ST-266 Building 57001
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-266-04-0608 Lab ID: P277799	Field ID: KAFB-266-04-1618 Lab ID: P277800	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-266-06249 Lab ID: P277798	Ambient Blank Field ID: Lab ID:	Lab ID:
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-266: Area Drain ST-266 Building 57001
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-266-04-0606 Lab ID:	Field ID: KAFB-266-04-1618 Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-062494 Lab ID: 0364870001TB	Equipment Blank Field ID: KAFB-EB-266-06249 Lab ID: 0364870002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		196.0000	234.0000		101.0000 %	98.0000 %		
GASOLINE COMPONENTS	200.0000	1.0000		0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-266: Area Drain ST-266 Building 57001
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-266-04-0608 Lab ID: P277799	Field ID: KAFB-266-04-1618 Lab ID: P277800	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-266-06249 Lab ID: P277798	Ambient Blank Field ID: Lab ID:	Lab ID:
DIESEL COMPONENTS	700.0000	10.0000		760.0000	1000.0000			0.0000 ND		
PENTACOSANE	N/A	N/A		3606.0000	3650.0000			108.0000		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-266: Area Drain ST-266 Building 57001
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-266-04-0608 Lab ID: 0364870003SA	Field ID: KAFB-266-04-1618 Lab ID: 0364870004SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-062494 Lab ID: 0364870001TB	Equipment Blank Field ID: KAFB-EB-266-06249 Lab ID: 0364870002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0055	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0055	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0044	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0055	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0044	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		103.0000 %	104.0000 %		101.0000 %	106.0000 %		
1,2-DICHLOROPROPANE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		91.0000 %	95.0000 %		101.0000 %	98.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ACETONE	0.0110	0.1000	6000.000	0.0000 ND	0.1700		0.0000 ND	0.0000 ND		
BENZENE	0.0022	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0022	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0055	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0044	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0055	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0022	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0022	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0066	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0044	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0022	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0033	0.0050	93.3000	0.0074	0.0074		5.1000 =	5.8000		
STYRENE	0.0055	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0022	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0033	0.0050	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		95.0000 %	101.0000 %		100.0000 %	99.0000 %		
TRICHLOROETHYLENE (TCE)	0.0033	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0077	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0044	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0055	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0055	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0055	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-266: Area Drain ST-266 Building 57001
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-266-04-0608 Lab ID: P277799	Field ID: KAFB-266-04-1618 Lab ID: P277800	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-266-06249 Lab ID: P277798	Ambient Blank Field ID: Lab ID:	Lab ID:
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4,6-TRIBROMOPHENOL	N/A	N/A		100.0000	85.0000			90.0000		
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2-FLUOROBIPHENYL	N/A	N/A		55.0000	49.0000			43.0000		
2-FLUOROPHENOL	N/A	N/A		105.0000	90.0000			47.0000		
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-266: Area Drain ST-266 Building 57001
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-266-04-0608 Lab ID: P277799	Field ID: KAFB-266-04-1618 Lab ID: P277800	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-266-06249 Lab ID: P277798	Ambient Blank Field ID: Lab ID:	Lab ID:
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND			0.0000 ND		
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
NITROBENZENE-D5	N/A	0.7000		50.0000	49.0000			44.0000		
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	0.0000 ND			0.0000 ND		
PHENOL-D5	N/A	N/A		100.0000	90.0000			36.0000		
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		
TERPHENYL-D14	N/A	N/A		60.0000	55.0000			50.0000		
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-266: Area Drain ST-266 Building 57001
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-266-04-0608 Lab ID: P277799	Field ID: KAFB-266-04-1618 Lab ID: P277800	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		7.9000	8.2000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-266: Area Drain ST-266 Building 57001
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-266-05-0610 Lab ID: 0364870005SA	Field ID: KAFB-266-99-0610 Lab ID: 0364870005SA	Field ID: KAFB-266-05-1618 Lab ID: 0364870006SA	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		6.5000	7.2000	6.3000				

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-266: Area Drain ST-266 Building 57001
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-266-05-0610 Lab ID: P277801	Field ID: KAFB-266-99-0610 Lab ID: P277801	Field ID: KAFB-266-05-1618 Lab ID: P277802	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-266-06249 Lab ID: P277798	Ambient Blank Field ID: Lab ID:	Lab ID:
ALUMINUM	2.0000	50.0000		3540.0000	4210.0000	3250.0000		49.0000		
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
BARIUM	0.2000	2.0000	5600.000	264.0000	255.0000	109.0000		0.0000 ND		
BERYLLIUM	0.2000	0.3000	16.3000	0.3200	0.4300	0.3300		0.0000 ND		
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
CALCIUM	2.0000	10.0000		67900.0000	70500.0000	48600.0000		56.0000		
CHROMIUM, TOTAL	1.0000	7.0000		4.6000	7.3000	11.5000		0.0000 ND		
COBALT	1.0000	7.0000		3.0000	2.4000	2.5000		0.0000 ND		
COPPER	0.1000	6.0000		32.2000	38.6000	103.0000		14.0000		
IRON	0.8000	7.0000		4540.0000	6260.0000	6310.0000		20.0000		
LEAD	3.0000	50.0000	400.0000	6.6000	9.7000	5.9000		0.0000 ND		
MAGNESIUM	3.0000	30.0000		2740.0000	3330.0000	2350.0000		41.0000		
MANGANESE	0.3000	2.0000	400.0000	94.9000	91.9000	125.0000		0.0000 ND		
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
NICKEL	3.0000	15.0000	1600.000	0.0000 ND	21.1000	13.8000		0.0000 ND		
POTASSIUM	20.0000	500.0000		518.0000	709.0000	578.0000		0.0000 ND		
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND	0.0000 ND		4.0000		
SODIUM	3.0000	30.0000		59.6000	77.2000	64.7000		47.0000		
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
VANADIUM	0.4000	8.0000	720.0000	18.6000	20.4000	11.8000		0.0000 ND		
ZINC	0.7000	2.0000	24000.00	24.4000	31.0000	65.0000		10.0000		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-266: Area Drain ST-266 Building 57001
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-266-05-0610 Lab ID: P277801	Field ID: KAFB-266-99-0610 Lab ID: P277801	Field ID: KAFB-266-05-1618 Lab ID: P277802	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-266-06249 Lab ID: P277798	Ambient Blank Field ID: Lab ID:	Lab ID:
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-266: Area Drain ST-266 Building 57001
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-266-05-0610 Lab ID:	Field ID: KAFB-266-99-0610 Lab ID:	Field ID: KAFB-266-05-1618 Lab ID:	Trip Blank Field ID: KAFB-TB-01-062494 Lab ID: 0364870001TB	Equipment Blank Field ID: KAFB-EB-266-06249 Lab ID: 0364870002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		221.0000	234.0000	234.0000	101.0000 %	98.0000 %		
GASOLINE COMPONENTS	200.0000	1.0000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-266: Area Drain ST-266 Building 57001
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-266-05-0610 Lab ID: P277801	Field ID: KAFB-266-99-0610 Lab ID: P277801	Field ID: KAFB-266-05-1618 Lab ID: P277802	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-266-06249 Lab ID: P277798	Ambient Blank Field ID: Lab ID:	Lab ID:
DIESEL COMPONENTS	70.0000	10.0000		460.0000	460.0000	1200.0000		0.0000 ND		
PENTACOSANE	N/A	N/A		3670.0000	3220.0000	3650.0000		108.0000		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-266: Area Drain ST-266 Building 57001
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-266-05-0610 Lab ID: 0364870005SA	Field ID: KAFB-266-99-0610 Lab ID: 0364870005SA	Field ID: KAFB-266-05-1618 Lab ID: 0364870006SA	Trip Blank Field ID: KAFB-TB-01-062494 Lab ID: 0364870001TB	Equipment Blank Field ID: KAFB-EB-266-06249 Lab ID: 0364870002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0032	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0053	0.0050	35.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0053	0.0050	123.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0043	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0053	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0043	0.0050	7.6900	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		105.0000 %	102.0000 %	103.0000 %	101.0000 %	106.0000 %		
1,2-DICHLOROPROPANE	0.0032	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		96.0000 %	95.0000 %	97.0000 %	101.0000 %	98.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
2-HEXANONE	0.0110	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ACETONE	0.0110	0.1000	8000.000	0.0000 ND	0.1200	0.0780	0.0000 ND	0.0000 ND		
BENZENE	0.0021	0.0050	24.1000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0021	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMOFORM	0.0053	0.0050	88.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0043	0.0100	32.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0053	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0032	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0021	N/A	2160.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROFORM	0.0021	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0064	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0043	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0021	0.0050	8000.000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0032	0.0050	93.3000	0.0075	0.0085	0.0078	5.1000 =	5.8000		
STYRENE	0.0053	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0021	0.0050	800.0000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TOLUENE	0.0032	0.0050	16000.00	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		101.0000 %	101.0000 %	101.0000 %	100.0000 %	99.0000 %		
TRICHLOROETHYLENE (TCE)	0.0032	0.0050	63.6000	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0075	0.0500		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0043	0.0100		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0053	0.0050	160000.0	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0053	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0053	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0032	0.0050		0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-266: Area Drain ST-266 Building 57001
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-266-05-0610 Lab ID: P277801	Field ID: KAFB-266-99-0610 Lab ID: P277801	Field ID: KAFB-266-05-1618 Lab ID: P277802	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-266-06249 Lab ID: P277798	Ambient Blank Field ID: Lab ID:	Lab ID:
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2,4,6-TRIBROMOPHENOL	N/A	N/A		95.0000	100.0000	90.0000		90.0000		
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2-FLUOROBIPHENYL	N/A	N/A		49.0000	50.0000	50.0000		43.0000		
2-FLUOROPHENOL	N/A	N/A		95.0000	90.0000	90.0000		47.0000		
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-266: Area Drain ST-266 Building 57001
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-266-05-0610 Lab ID: P277801	Field ID: KAFB-266-99-0610 Lab ID: P277801	Field ID: KAFB-266-05-1618 Lab ID: P277802	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-266-06249 Lab ID: P277798	Ambient Blank Field ID: Lab ID:	Lab ID:
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	250.0000	0.0000 ND	0.0000 ND		0.0000 ND		
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
NITROBENZENE-D5	N/A	0.7000		50.0000	49.0000	48.0000		44.0000		
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
PHENOL-D5	N/A	N/A		95.0000	90.0000	90.0000		36.0000		
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
TERPHENYL-D14	N/A	N/A		55.0000	60.0000	55.0000		50.0000		
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND	0.0000 ND		0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-266: Area Drain ST-266 Building 57001
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-266-05-0610 Lab ID: P277801	Field ID: KAFB-266-99-0610 Lab ID: P277801	Field ID: KAFB-266-05-1618 Lab ID: P277802	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.1000	8.0000	8.3000				

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-266: Area Drain ST-266 Building 57001
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: *Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-266-06-1820 Lab ID: 940625-02	Field ID: Lab ID: 940625-03	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID: 940625-01	Ambient Blank Field ID: Lab ID:	Lab ID:
ALUMINUM	3.4000	50.0000		2950.0000				ND		
ANTIMONY	3.5000	40.0000	32.0000	0.0000 ND	ND			ND		
ARSENIC	0.3100	60.0000	38.9000	3.6000				ND		
BARIUM	0.7200	2.0000	5600.000	215.0000				ND		
BERYLLIUM	0.1000	0.3000	16.3000	0.2800 B				ND		
CADMIUM	0.3100	4.0000	40.0000	0.7200	B			ND		
CALCIUM	0.7200	10.0000		61500.0000				B		
CHROMIUM, TOTAL	0.7200	7.0000		5.7000				ND		
COBALT	0.4100	7.0000		8.0000	B			ND		
COPPER	0.6100	6.0000		27.2000				ND		
IRON	0.5100	7.0000		5810.0000				ND		
LEAD	0.1000	50.0000	400.0000	5.0000				ND		
MAGNESIUM	2.8000	30.0000		1660.0000				ND		
MANGANESE	0.1000	2.0000	400.0000	1510.0000				B		
NICKEL	0.7200	15.0000	1600.000	25.1000				ND		
POTASSIUM	1.0000	500.0000		555.0000				ND		
SELENIUM	0.4100	80.0000	400.0000	0.0000 ND	ND			ND		
SILVER	0.5100	7.0000	400.0000	0.0000 ND	ND			ND		
SODIUM	5.2000	30.0000		40.3000 B	B			B		
THALLIUM	0.4100	40.0000	7.2000	0.4300 B	ND			ND		
VANADIUM	0.3100	8.0000	720.0000	13.3000				ND		
ZINC	0.3100	2.0000	24000.00	101.0000				ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-266: Area Drain ST-266 Building 57001
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-266-06-1820 Lab ID: 940625-02	Field ID: Lab ID: 940625-03	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MERCURY	0.0400	0.1000		0.0700 B	B			ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-266: Area Drain ST-266 Building 57001
Method Extraction: :
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-266-06-1820 Lab ID:	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
GASOLINE COMPONENTS	500.0000	1.0000		0.0000 ND	ND		ND	ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-266: Area Drain ST-266 Building 57001
Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-266-06-1820 Lab ID:	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
DIESEL COMPONENTS	10.0000	10.0000		0.0000 ND	ND			ND		
FUEL OILS	10.0000	N/A		0.0000 ND	ND			ND		
JET FUEL #4 (JP4)	10.0000	N/A		0.0000 ND	ND			ND		
JET FUEL #5 (JP5)	10.0000	N/A		0.0000 ND	ND			ND		
JET FUEL #8 (JP8)	10.0000	N/A		0.0000 ND	ND			ND		
KEROSENE	10.0000	N/A		0.0000 ND	ND			ND		
LUBRICATING OIL	10.0000	N/A		0.0000 ND	ND			ND		
MED. PETROLEUM DISTILLATE C8-C12 (ie:NAPHTHA etc.)	10.0000	N/A		0.0000 ND	ND			ND		
MOTOR OILS	10.0000	N/A		0.0000 ND	ND			ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-266: Area Drain ST-266 Building 57001
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-266-06-1820 Lab ID: 940625-02	Field ID: Lab ID: 940625-03	Field ID: Lab ID:	Trip Blank Field ID: Lab ID: 940625-07	Equipment Blank Field ID: Lab ID: 940625-01	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	5.0000	0.0050		0.0000 ND	ND		ND	ND		
1,1,2,2-TETRACHLOROETHANE	5.0000	0.0050	35.0000	0.0000 ND	ND		ND	ND		
1,1,2-TRICHLOROETHANE	5.0000	0.0050	123.0000	0.0000 ND	ND		ND	ND		
1,1-DICHLOROETHANE	5.0000	0.0050		0.0000 ND	ND		ND	ND		
1,1-DICHLOROETHENE	5.0000	0.0050		0.0000 ND	ND		ND	ND		
1,2-DICHLOROETHANE	5.0000	0.0050	7.6900	0.0000 ND	ND		ND	ND		
1,2-DICHLOROPROPYLENE	5.0000	N/A		0.0000 ND	ND		ND	ND		
2-HEXANONE	10.0000	0.0500		0.0000 ND	ND		ND	ND		
ACETONE	N/A	0.1000	8000.000	160.0000			ND	ND		
BENZENE	5.0000	0.0050	24.1000	0.0000 ND	ND		ND	ND		
BROMODICHLOROMETHANE	5.0000	0.0050		0.0000 ND	ND		ND	ND		
BROMOFORM	5.0000	0.0050	88.6000	0.0000 ND	ND		ND	ND		
BROMOMETHANE	10.0000	0.0100	32.0000	0.0000 ND	ND		ND	ND		
CARBON DISULFIDE	5.0000	0.0050	8000.000	0.0000 ND	ND		ND	ND		
CARBON TETRACHLORIDE	5.0000	0.0050		0.0000 ND	ND		ND	ND		
CHLOROBENZENE	5.0000	N/A	2160.000	0.0000 ND	ND		ND	ND		
CHLOROETHANE	10.0000	0.0100		0.0000 ND	ND		ND	ND		
CHLOROFORM	5.0000	0.0050		0.0000 ND	ND		ND	ND		
CHLOROMETHANE	10.0000	0.0100		0.0000 ND	ND		ND	ND		
DIBROMOCHLOROMETHANE	5.0000	0.0050		0.0000 ND	ND		ND	ND		
ETHYLBENZENE	5.0000	0.0050	8000.000	0.0000 ND	ND		ND	ND		
METHYL ETHYL KETONE (2-BUTANONE)	10.0000	0.1000	48000.00	0.0000 ND	ND		ND	ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	10.0000	0.0500		0.0000 ND	ND		ND	ND		
METHYLENE CHLORIDE	5.0000	0.0050	93.3000	0.0000 ND	ND		ND	ND		
STYRENE	5.0000	0.0050		0.0000 ND	ND		ND	ND		
TETRACHLOROETHYLENE(PCE)	5.0000	0.0050	800.0000	0.0000 ND	ND		ND	ND		
TOLUENE	5.0000	0.0050	16000.00	0.0000 ND	ND		ND	ND		
TOTAL 1,2-DICHLOROETHENE	5.0000	N/A		0.0000 ND	ND		ND	ND		
TRICHLOROETHYLENE (TCE)	5.0000	0.0050	63.6000	0.0000 ND	ND		ND	ND		
VINYL CHLORIDE	10.0000	0.0100		0.0000 ND	ND		ND	ND		
XYLENES, TOTAL	5.0000	0.0050	160000.0	0.0000 ND	ND		ND	ND		
cis-1,3-DICHLOROPROPENE	5.0000	0.0050		0.0000 ND	ND		ND	ND		
trans-1,3-DICHLOROPROPENE	5.0000	0.0050		0.0000 ND	ND		ND	ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-266: Area Drain ST-266 Building 57001
Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units:

Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-266-06-1820 Lab ID:	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
1,2,4-TRICHLOROBENZENE	330.0000	0.7000	800.0000	0.0000 ND	ND			ND		
1,2-DICHLOROBENZENE	330.0000	0.7000		0.0000 ND	ND			ND		
1,3-DICHLOROBENZENE	330.0000	0.7000		0.0000 ND	ND			ND		
1,4-DICHLOROBENZENE	330.0000	0.7000		0.0000 ND	ND			ND		
2,4,5-TRICHLOROPHENOL	790.0000	3.3000		0.0000 ND	ND			ND		
2,4,6-TRICHLOROPHENOL	330.0000	0.3000		0.0000 ND	ND			ND		
2,4-DICHLOROPHENOL	330.0000	0.3000		0.0000 ND	ND			ND		
2,4-DIMETHYLPHENOL	330.0000	0.3000		0.0000 ND	ND			ND		
2,4-DINITROPHENOL	790.0000	3.3000		0.0000 ND	ND			ND		
2,4-DINITROTOLUENE	330.0000	0.7000		0.0000 ND	ND			ND		
2,6-DINITROTOLUENE	330.0000	0.7000		0.0000 ND	ND			ND		
2-CHLORONAPHTHALENE	330.0000	0.7000		0.0000 ND	ND			ND		
2-CHLOROPHENOL	330.0000	0.3000		0.0000 ND	ND			ND		
2-METHYLNAPHTHALENE	330.0000	0.7000	3200.000	0.0000 ND	ND			ND		
2-METHYLPHENOL (o-CRESOL)	330.0000	0.3000		0.0000 ND	ND			ND		
2-NITROANILINE	790.0000	3.3000		0.0000 ND	ND			ND		
2-NITROPHENOL	330.0000	0.3000		0.0000 ND	ND			ND		
3,3'-DICHLOROBENZIDINE	330.0000	1.3000		0.0000 ND	ND			ND		
3-NITROANILINE	790.0000	3.3000		0.0000 ND	ND			ND		
4,6-DINITRO-2-METHYLPHENOL	790.0000	3.3000		0.0000 ND	ND			ND		
4-BROMOPHENYL PHENYL ETHER	330.0000	0.7000		0.0000 ND	ND			ND		
4-CHLORO-3-METHYLPHENOL	330.0000	1.3000		0.0000 ND	ND			ND		
4-CHLOROANILINE	330.0000	1.3000		0.0000 ND	ND			ND		
4-CHLOROPHENYL PHENYL ETHER	330.0000	0.7000		0.0000 ND	ND			ND		
4-METHYLPHENOL (p-CRESOL)	330.0000	0.3000		0.0000 ND	ND			ND		
4-NITROANILINE	790.0000	3.3000		0.0000 ND	ND			ND		
4-NITROPHENOL	790.0000	1.6000		0.0000 ND	ND			ND		
ACENAPHTHENE	330.0000	0.7000		0.0000 ND	ND			ND		
ACENAPHTHYLENE	330.0000	0.7000		0.0000 ND	ND			ND		
ANTHRACENE	330.0000	0.7000		0.0000 ND	ND			ND		
BENZO(a)ANTHRACENE	330.0000	0.7000		0.0000 ND	ND			ND		
BENZO(a)PYRENE	330.0000	0.7000	959.0000	0.0000 ND	ND			ND		
BENZO(b)FLUORANTHENE	330.0000	0.7000	95.9000	0.0000 ND	ND			ND		
BENZO(g,h,i)PERYLENE	330.0000	0.7000		0.0000 ND	ND			ND		
BENZO(k)FLUORANTHENE	330.0000	N/A		0.0000 ND	ND			ND		
BENZYL BUTYL PHTHALATE	330.0000	0.7000		0.0000 ND	ND			ND		
CARBAZOLE	330.0000	N/A		0.0000 ND	ND			ND		
CHRYSENE	330.0000	0.7000	9.5900	0.0000 ND	ND			ND		
DI-n-BUTYL PHTHALATE	330.0000	0.7000	8000.000	0.0000 ND	ND			ND		
DI-n-OCTYLPHTHALATE	330.0000	0.7000		0.0000 ND	ND			ND		
DIBENZ(a,h)ANTHRACENE	330.0000	0.7000		0.0000 ND	ND			ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-266: Area Drain ST-266 Building 57001
Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units:

Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-266-06-1820 Lab ID:	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
DIBENZOFURAN	330.0000	0.7000		0.0000 ND	ND			ND		
DIETHYL PHTHALATE	330.0000	0.7000		0.0000 ND	ND			ND		
DIMETHYL PHTHALATE	330.0000	0.7000		0.0000 ND	ND			ND		
FLUORANTHENE	330.0000	0.7000	3360.000	0.0000 ND	ND			ND		
FLUORENE	330.0000	0.7000	3360.000	0.0000 ND	ND			ND		
HEXACHLOROBENZENE	330.0000	0.7000		0.0000 ND	ND			ND		
HEXACHLOROBUTADIENE	330.0000	0.7000		0.0000 ND	ND			ND		
HEXACHLOROCYCLOPENTADIENE	330.0000	0.7000		0.0000 ND	ND			ND		
HEXACHLOROETHANE	330.0000	0.7000		0.0000 ND	ND			ND		
INDENO(1,2,3-c,d)PYRENE	330.0000	0.7000		0.0000 ND	ND			ND		
ISOPHORONE	330.0000	0.7000	7370.000	0.0000 ND	ND			ND		
N-NITROSODI-n-PROPYLAMINE	330.0000	0.7000		0.0000 ND	ND			ND		
N-NITROSODIPHENYLAMINE	330.0000	0.7000		0.0000 ND	ND			ND		
NAPHTHALENE	330.0000	0.7000	3200.000	0.0000 ND	ND			ND		
NITROBENZENE	330.0000	0.7000		0.0000 ND	ND			ND		
PENTACHLOROPHENOL	790.0000	3.3000	5.8300	0.0000 ND	ND			ND		
PHENANTHRENE	330.0000	0.7000		0.0000 ND	ND			ND		
PHENOL	330.0000	0.3000	48000.00	0.0000 ND	ND			ND		
PYRENE	330.0000	0.7000	2400.000	0.0000 ND	ND			ND		
bis(2-CHLOROETHOXY) METHANE	330.0000	0.7000		0.0000 ND	ND			ND		
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	330.0000	0.7000		0.0000 ND	ND			ND		
bis(2-CHLOROISOPROPYL) ETHER	330.0000	0.7000		0.0000 ND	ND			ND		
bis(2-ETHYLHEXYL) PHTHALATE	330.0000	0.7000	50.0000	0.0000 ND	ND			ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-266: Area Drain ST-266 Building 57001
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-266-07-1820 Lab ID: 940625-04	Field ID: Lab ID: 940625-05	Field ID: Lab ID: 940625-04	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID: 940625-01	Ambient Blank Field ID: Lab ID:	Lab ID:
ALUMINUM	3.5000	50.0000		3910.0000				ND		
ANTIMONY	3.6000	40.0000	32.0000	0.0000 ND	ND	ND		ND		
ARSENIC	0.3200	60.0000	38.9000	2.9000				ND		
BARIUM	0.7400	2.0000	5600.000	46.0000				ND		
BERYLLIUM	0.1100	0.3000	16.3000	0.1900 B		B		ND		
CADMIUM	0.3200	4.0000	40.0000	0.3200 B	ND	ND		ND		
CALCIUM	0.7400	10.0000		74800.0000				B		
CHROMIUM, TOTAL	0.7400	7.0000		5.5000				ND		
COBALT	0.4200	7.0000		1.5000 B	B	B		ND		
COPPER	0.6300	6.0000		9.1000				ND		
IRON	0.5300	7.0000		4690.0000				ND		
LEAD	0.1100	50.0000	400.0000	47.1000				ND		
MAGNESIUM	2.8000	30.0000		2320.0000				ND		
MANGANESE	0.1100	2.0000	400.0000	130.0000				B		
NICKEL	0.7400	15.0000	1600.000	5.0000		B		ND		
POTASSIUM	1.1000	500.0000		537.0000				ND		
SELENIUM	0.4200	80.0000	400.0000	0.0000 ND	ND	ND		ND		
SILVER	0.5300	7.0000	400.0000	0.0000 ND	ND	ND		ND		
SODIUM	5.4000	30.0000		71.2000 B	B	B		B		
THALLIUM	0.4200	40.0000	7.2000	0.0000 ND	ND	ND		ND		
VANADIUM	0.3200	8.0000	720.0000	8.3000				ND		
ZINC	0.3200	2.0000	24000.00	21.1000				ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-266: Area Drain ST-266 Building 57001
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-266-07-1820 Lab ID: 940625-04	Field ID: Lab ID: 940625-05	Field ID: Lab ID: 940625-04	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MERCURY	0.0400	0.1000		0.0000 ND	B	ND		ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-266: Area Drain ST-266 Building 57001
Method Extraction: :
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-266-07-1820 Lab ID:	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
GASOLINE COMPONENTS	500.0000	1.0000		0.0000 ND	ND	ND	ND	ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-266: Area Drain ST-266 Building 57001
Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-266-07-1820 Lab ID:	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
DIESEL COMPONENTS	10.0000	10.0000		0.0000 ND	ND	ND		ND		
FUEL OILS	10.0000	N/A		0.0000 ND	ND	ND		ND		
JET FUEL #4 (JP4)	10.0000	N/A		0.0000 ND	ND	ND		ND		
JET FUEL #5 (JP5)	10.0000	N/A		0.0000 ND	ND	ND		ND		
JET FUEL #8 (JP8)	10.0000	N/A		0.0000 ND	ND	ND		ND		
KEROSENE	10.0000	N/A		0.0000 ND	ND	ND		ND		
LUBRICATING OIL	10.0000	N/A		0.0000 ND	ND			ND		
MED. PETROLEUM DISTILLATE C8-C12 (ie:NAPHTHA etc.)	10.0000	N/A		0.0000 ND	ND	ND		ND		
MOTOR OILS	10.0000	N/A		0.0000 ND	ND	ND		ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-266: Area Drain ST-266 Building 57001
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-266-07-1820 Lab ID: 940625-04	Field ID: Lab ID: 940625-05	Field ID: Lab ID: 940625-04	Trip Blank Field ID: Lab ID: 940625-07	Equipment Blank Field ID: Lab ID: 940625-01	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	5.0000	0.0050		0.0000 ND	ND	ND	ND	ND		
1,1,2,2-TETRACHLOROETHANE	5.0000	0.0050	35.0000	0.0000 ND	ND	ND	ND	ND		
1,1,2-TRICHLOROETHANE	5.0000	0.0050	123.0000	0.0000 ND	ND	ND	ND	ND		
1,1-DICHLOROETHANE	5.0000	0.0050		0.0000 ND	ND	ND	ND	ND		
1,1-DICHLOROETHENE	5.0000	0.0050		0.0000 ND	ND	ND	ND	ND		
1,2-DICHLOROETHANE	5.0000	0.0050	7.6900	0.0000 ND	ND	ND	ND	ND		
1,2-DICHLOROPROPYLENE	5.0000	N/A		0.0000 ND	ND	ND	ND	ND		
2-HEXANONE	10.0000	0.0500		0.0000 ND	ND	ND	ND	ND		
ACETONE	N/A	0.1000	8000.000	200.0000			ND	ND		
BENZENE	5.0000	0.0050	24.1000	0.0000 ND	ND	ND	ND	ND		
BROMODICHLOROMETHANE	5.0000	0.0050		0.0000 ND	ND	ND	ND	ND		
BROMOFORM	5.0000	0.0050	88.6000	0.0000 ND	ND	ND	ND	ND		
BROMOMETHANE	10.0000	0.0100	32.0000	0.0000 ND	ND	ND	ND	ND		
CARBON DISULFIDE	5.0000	0.0050	8000.000	0.0000 ND	ND	ND	ND	ND		
CARBON TETRACHLORIDE	5.0000	0.0050		0.0000 ND	ND	ND	ND	ND		
CHLOROBENZENE	5.0000	N/A	2160.000	0.0000 ND	ND	ND	ND	ND		
CHLOROETHANE	10.0000	0.0100		0.0000 ND	ND	ND	ND	ND		
CHLOROFORM	5.0000	0.0050		0.0000 ND	ND	ND	ND	ND		
CHLOROMETHANE	10.0000	0.0100		0.0000 ND	ND	ND	ND	ND		
DIBROMOCHLOROMETHANE	5.0000	0.0050		0.0000 ND	ND	ND	ND	ND		
ETHYLBENZENE	5.0000	0.0050	8000.000	0.0000 ND	ND	ND	ND	ND		
METHYL ETHYL KETONE (2-BUTANONE)	10.0000	0.1000	48000.00	0.0000 ND	ND	ND	ND	ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	10.0000	0.0500		0.0000 ND	ND	ND	ND	ND		
METHYLENE CHLORIDE	5.0000	0.0050	93.3000	0.0000 ND	BJ	ND	ND	ND		
STYRENE	5.0000	0.0050		0.0000 ND	ND	ND	ND	ND		
TETRACHLOROETHYLENE(PCE)	5.0000	0.0050	800.0000	0.0000 ND	ND	ND	ND	ND		
TOLUENE	5.0000	0.0050	16000.00	0.0000 ND	ND	ND	ND	ND		
TOTAL 1,2-DICHLOROETHENE	5.0000	N/A		0.0000 ND	ND	ND	ND	ND		
TRICHLOROETHYLENE (TCE)	5.0000	0.0050	63.6000	0.0000 ND	ND	ND	ND	ND		
VINYL CHLORIDE	10.0000	0.0100		0.0000 ND	ND	ND	ND	ND		
XYLENES, TOTAL	5.0000	0.0050	160000.0	0.0000 ND	ND	ND	ND	ND		
cis-1,3-DICHLOROPROPENE	5.0000	0.0050		0.0000 ND	ND	ND	ND	ND		
trans-1,3-DICHLOROPROPENE	5.0000	0.0050		0.0000 ND	ND	ND	ND	ND		

Base: KIRTLAND AFB
Site: ST-266: Area Drain ST-266 Building 57001
Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units:

ANALYTCAL DATA SUMMARY

Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-266-07-1820 Lab ID:	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
1,2,4-TRICHLOROBENZENE	330.0000	0.7000	800.0000	0.0000 ND	ND	ND		ND		
1,2-DICHLOROBENZENE	330.0000	0.7000		0.0000 ND	ND	ND		ND		
1,3-DICHLOROBENZENE	330.0000	0.7000		0.0000 ND	ND	ND		ND		
1,4-DICHLOROBENZENE	330.0000	0.7000		0.0000 ND	ND	ND		ND		
2,4,5-TRICHLOROPHENOL	810.0000	3.3000		0.0000 ND	ND	ND		ND		
2,4,6-TRICHLOROPHENOL	330.0000	0.3000		0.0000 ND	ND	ND		ND		
2,4-DICHLOROPHENOL	330.0000	0.3000		0.0000 ND	ND	ND		ND		
2,4-DIMETHYLPHENOL	330.0000	0.3000		0.0000 ND	ND	ND		ND		
2,4-DINITROPHENOL	810.0000	3.3000		0.0000 ND	ND	ND		ND		
2,4-DINITROTOLUENE	330.0000	0.7000		0.0000 ND	ND	ND		ND		
2,6-DINITROTOLUENE	330.0000	0.7000		0.0000 ND	ND	ND		ND		
2-CHLORONAPHTHALENE	330.0000	0.7000		0.0000 ND	ND	ND		ND		
2-CHLOROPHENOL	330.0000	0.3000		0.0000 ND	ND	ND		ND		
2-METHYLNAPHTHALENE	330.0000	0.7000	3200.000	0.0000 ND	ND	ND		ND		
2-METHYLPHENOL (o-CRESOL)	330.0000	0.3000		0.0000 ND	ND	ND		ND		
2-NITROANILINE	810.0000	3.3000		0.0000 ND	ND	ND		ND		
2-NITROPHENOL	330.0000	0.3000		0.0000 ND	ND	ND		ND		
3,3'-DICHLOROBENZIDINE	330.0000	1.3000		0.0000 ND	ND	ND		ND		
3-NITROANILINE	810.0000	3.3000		0.0000 ND	ND	ND		ND		
4,6-DINITRO-2-METHYLPHENOL	810.0000	3.3000		0.0000 ND	ND	ND		ND		
4-BROMOPHENYL PHENYL ETHER	330.0000	0.7000		0.0000 ND	ND	ND		ND		
4-CHLORO-3-METHYLPHENOL	330.0000	1.3000		0.0000 ND	ND	ND		ND		
4-CHLOROANILINE	330.0000	1.3000		0.0000 ND	ND	ND		ND		
4-CHLOROPHENYL PHENYL ETHER	330.0000	0.7000		0.0000 ND	ND	ND		ND		
4-METHYLPHENOL (p-CRESOL)	330.0000	0.3000		0.0000 ND	ND	ND		ND		
4-NITROANILINE	810.0000	3.3000		0.0000 ND	ND	ND		ND		
4-NITROPHENOL	810.0000	1.6000		0.0000 ND	ND	ND		ND		
ACENAPHTHENE	330.0000	0.7000		0.0000 ND	ND	ND		ND		
ACENAPHTHYLENE	330.0000	0.7000		0.0000 ND	ND	ND		ND		
ANTHRACENE	330.0000	0.7000		0.0000 ND	ND	ND		ND		
BENZO(a)ANTHRACENE	330.0000	0.7000		0.0000 ND	ND	ND		ND		
BENZO(a)PYRENE	330.0000	0.7000	959.0000	0.0000 ND	ND	ND		ND		
BENZO(b)FLUORANTHENE	330.0000	0.7000	95.9000	0.0000 ND	ND	ND		ND		
BENZO(g,h,i)PERYLENE	330.0000	0.7000		0.0000 ND	ND	ND		ND		
BENZO(k)FLUORANTHENE	330.0000	N/A		0.0000 ND	ND	ND		ND		
BENZYL BUTYL PHTHALATE	330.0000	0.7000		0.0000 ND	ND	ND		ND		
CARBAZOLE	330.0000	N/A		0.0000 ND	ND	ND		ND		
CHRYSENE	330.0000	0.7000	9.5900	0.0000 ND	ND	ND		ND		
DI-n-BUTYL PHTHALATE	330.0000	0.7000	8000.000	0.0000 ND	ND	ND		ND		
DI-n-OCTYLPHTHALATE	330.0000	0.7000		0.0000 ND	J	ND		ND		
DIBENZ(a,h)ANTHRACENE	330.0000	0.7000		0.0000 ND	ND	ND		ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-266: Area Drain ST-266 Building 57001
Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units:

Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-266-07-1820 Lab ID:	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
DIBENZOFURAN	330.0000	0.7000		0.0000 ND	ND	ND		ND		
DIETHYL PHTHALATE	330.0000	0.7000		0.0000 ND	ND	ND		ND		
DIMETHYL PHTHALATE	330.0000	0.7000		0.0000 ND	ND	ND		ND		
FLUORANTHENE	330.0000	0.7000	3360.000	0.0000 ND	ND	ND		ND		
FLUORENE	330.0000	0.7000	3360.000	0.0000 ND	ND	ND		ND		
HEXACHLOROBENZENE	330.0000	0.7000		0.0000 ND	ND	ND		ND		
HEXACHLOROBUTADIENE	330.0000	0.7000		0.0000 ND	ND	ND		ND		
HEXACHLOROCYCLOPENTADIENE	330.0000	0.7000		0.0000 ND	ND	ND		ND		
HEXACHLOROETHANE	330.0000	0.7000		0.0000 ND	ND	ND		ND		
INDENO(1,2,3-c,d)PYRENE	330.0000	0.7000		0.0000 ND	ND	ND		ND		
ISOPHORONE	330.0000	0.7000	7370.000	0.0000 ND	ND	ND		ND		
N-NITROSODI-n-PROPYLAMINE	330.0000	0.7000		0.0000 ND	ND	ND		ND		
N-NITROSODIPHENYLAMINE	330.0000	0.7000		0.0000 ND	ND	ND		ND		
NAPHTHALENE	330.0000	0.7000	3200.000	0.0000 ND	ND	ND		ND		
NITROBENZENE	330.0000	0.7000		0.0000 ND	ND	ND		ND		
PENTACHLOROPHENOL	810.0000	3.3000	5.8300	0.0000 ND	ND	ND		ND		
PHENANTHRENE	330.0000	0.7000		0.0000 ND	ND	ND		ND		
PHENOL	330.0000	0.3000	48000.00	0.0000 ND	ND	ND		ND		
PYRENE	330.0000	0.7000	2400.000	0.0000 ND	ND	ND		ND		
bis(2-CHLOROETHOXY) METHANE	330.0000	0.7000		0.0000 ND	ND	ND		ND		
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	330.0000	0.7000		0.0000 ND	ND	ND		ND		
bis(2-CHLOROISOPROPYL) ETHER	330.0000	0.7000		0.0000 ND	ND	ND		ND		
bis(2-ETHYLHEXYL) PHTHALATE	N/A	0.7000	50.0000	330.0000 J	J	ND		ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-266: Area Drain ST-266 Building 57001
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-266-08-1820 Lab ID: 940643-02	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-RB07-072 Lab ID: 940643-01	Ambient Blank Field ID: Lab ID:	Lab ID:
ALUMINUM	3.4000	50.0000		3780.0000				55.0000 B		
ANTIMONY	3.5000	40.0000	32.0000	6.9000				0.0000 ND		
ARSENIC	0.3100	60.0000	38.9000	2.4000				0.0000 ND		
BARIUM	0.7300	2.0000	5600.000	132.0000				0.0000 ND		
BERYLLIUM	0.1000	0.3000	16.3000	0.2100 B				0.0000 ND		
CADMIUM	0.3100	4.0000	40.0000	0.5300				0.0000 ND		
CALCIUM	0.7300	10.0000		65500.0000				128.0000 B		
CHROMIUM, TOTAL	0.7300	7.0000		7.5000				0.0000 ND		
COBALT	0.4200	7.0000		2.4000 B				0.0000 ND		
COPPER	0.6200	6.0000		25.7000				0.0000 ND		
IRON	0.5200	7.0000		6250.0000				186.0000		
LEAD	0.1000	50.0000	400.0000	8.2000				0.0000 ND		
MAGNESIUM	2.8000	30.0000		2470.0000				0.0000 ND		
MANGANESE	0.1000	2.0000	400.0000	170.0000				1.5000 B		
NICKEL	0.7300	15.0000	1600.000	7.0000				14.6000 B		
POTASSIUM	1.0000	500.0000		635.0000				39.4000 B		
SELENIUM	0.4200	80.0000	400.0000	0.0000 ND				0.0000 ND		
SILVER	0.5200	7.0000	400.0000	0.0000 ND				0.0000 ND		
SODIUM	5.3000	30.0000		120.0000 B				241.0000 B		
THALLIUM	0.4200	40.0000	7.2000	0.0000 ND				0.0000 ND		
VANADIUM	0.3100	8.0000	720.0000	10.5000				0.0000 ND		
ZINC	0.3100	2.0000	24000.00	48.8000				9.4000 B		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-266: Area Drain ST-266 Building 57001
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-266-08-1820 Lab ID: 940643-02	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-RB07-072 Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MERCURY	0.0400	0.1000		0.0000 ND				0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-266: Area Drain ST-266 Building 57001
Method Extraction: :
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-266-08-1820 Lab ID:	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-072094 Lab ID:	Equipment Blank Field ID: KAFB-EB-266-07209 Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
GASOLINE COMPONENTS	510.0000	1.0000		0.0000 ND			0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-266: Area Drain ST-266 Building 57001
Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-266-08-1820 Lab ID:	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-266-07209 Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
DIESEL COMPONENTS	10.0000	10.0000		0.0000 ND				0.0000 ND		
FUEL OILS	10.0000	N/A		0.0000 ND				0.0000 ND		
JET FUEL #4 (JP4)	10.0000	N/A		0.0000 ND				0.0000 ND		
JET FUEL #5 (JP5)	10.0000	N/A		0.0000 ND				0.0000 ND		
JET FUEL #8 (JP8)	10.0000	N/A		0.0000 ND				0.0000 ND		
KEROSENE	10.0000	N/A		0.0000 ND				0.0000 ND		
LUBRICATING OIL	10.0000	N/A		0.0000 ND				0.0000 ND		
MED. PETROLEUM DISTILLATE C8-C12 (ie:NAPHTHA etc.)	10.0000	N/A		0.0000 ND				0.0000 ND		
MOTOR OILS	10.0000	N/A		0.0000 ND				0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-266: Area Drain ST-266 Building 57001
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-266-08-1820 Lab ID: 940643-02	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-072094 Lab ID: 940643-05	Equipment Blank Field ID: KAFB-EB-RB07-072 Lab ID: 940643-01	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	5.0000	0.0050		0.0000 ND			0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	5.0000	0.0050	35.0000	0.0000 ND			0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	5.0000	0.0050	123.0000	0.0000 ND			0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	5.0000	0.0050		0.0000 ND			0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	5.0000	0.0050		0.0000 ND			0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	5.0000	0.0050	7.6900	0.0000 ND			0.0000 ND	0.0000 ND		
1,2-DICHLOROPROPYLENE	5.0000	N/A		0.0000 ND			0.0000 ND	0.0000 ND		
2-HEXANONE	10.0000	0.0500		0.0000 ND			0.0000 ND	0.0000 ND		
ACETONE	N/A	0.1000	8000.000	140.0000			0.0000 ND	0.0000 ND		
BENZENE	N/A	0.0050	24.1000	1.0000 J			0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	5.0000	0.0050		0.0000 ND			0.0000 ND	0.0000 ND		
BROMOFORM	5.0000	0.0050	88.6000	0.0000 ND			0.0000 ND	0.0000 ND		
BROMOMETHANE	10.0000	0.0100	32.0000	0.0000 ND			0.0000 ND	0.0000 ND		
CARBON DISULFIDE	5.0000	0.0050	8000.000	0.0000 ND			0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	5.0000	0.0050		0.0000 ND			0.0000 ND	0.0000 ND		
CHLOROBENZENE	5.0000	N/A	2160.000	0.0000 ND			0.0000 ND	0.0000 ND		
CHLOROETHANE	10.0000	0.0100		0.0000 ND			0.0000 ND	0.0000 ND		
CHLOROFORM	5.0000	0.0050		0.0000 ND			0.0000 ND	0.0000 ND		
CHLOROMETHANE	10.0000	0.0100		0.0000 ND			0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	5.0000	0.0050		0.0000 ND			0.0000 ND	0.0000 ND		
ETHYLBENZENE	5.0000	0.0050	8000.000	0.0000 ND			0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	10.0000	0.1000	48000.00	0.0000 ND			0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	10.0000	0.0500		0.0000 ND			0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	5.0000	0.0050	93.3000	0.0000 ND			0.0000 ND	0.0000 ND		
STYRENE	5.0000	0.0050		0.0000 ND			0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	5.0000	0.0050	800.0000	0.0000 ND			0.0000 ND	0.0000 ND		
TOLUENE	5.0000	0.0050	16000.00	0.0000 ND			0.0000 ND	0.0000 ND		
TOTAL 1,2-DICHLOROETHENE	5.0000	N/A		0.0000 ND			0.0000 ND	0.0000 ND		
TRICHLOROETHYLENE (TCE)	5.0000	0.0050	63.6000	0.0000 ND			0.0000 ND	0.0000 ND		
VINYL CHLORIDE	10.0000	0.0100		0.0000 ND			0.0000 ND	0.0000 ND		
XYLENES, TOTAL	5.0000	0.0050	160000.0	0.0000 ND			0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	5.0000	0.0050		0.0000 ND			0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	5.0000	0.0050		0.0000 ND			0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-266: Area Drain ST-266 Building 57001
Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units:

Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-266-08-1820 Lab ID:	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-RB07-072 Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
1,2,4-TRICHLOROBENZENE	340.0000	0.7000	800.0000	0.0000 ND				0.0000 ND		
1,2-DICHLOROBENZENE	340.0000	0.7000		0.0000 ND				0.0000 ND		
1,3-DICHLOROBENZENE	340.0000	0.7000		0.0000 ND				0.0000 ND		
1,4-DICHLOROBENZENE	340.0000	0.7000		0.0000 ND				0.0000 ND		
2,4,5-TRICHLOROPHENOL	820.0000	3.3000		0.0000 ND				0.0000 ND		
2,4,6-TRICHLOROPHENOL	340.0000	0.3000		0.0000 ND				0.0000 ND		
2,4-DICHLOROPHENOL	340.0000	0.3000		0.0000 ND				0.0000 ND		
2,4-DIMETHYLPHENOL	340.0000	0.3000		0.0000 ND				0.0000 ND		
2,4-DINITROPHENOL	820.0000	3.3000		0.0000 ND				0.0000 ND		
2,4-DINITROTOLUENE	340.0000	0.7000		0.0000 ND				0.0000 ND		
2,6-DINITROTOLUENE	340.0000	0.7000		0.0000 ND				0.0000 ND		
2-CHLORONAPHTHALENE	340.0000	0.7000		0.0000 ND				0.0000 ND		
2-CHLOROPHENOL	340.0000	0.3000		0.0000 ND				0.0000 ND		
2-METHYLNAPHTHALENE	340.0000	0.7000	3200.000	0.0000 ND				0.0000 ND		
2-METHYLPHENOL (o-CRESOL)	340.0000	0.3000		0.0000 ND				0.0000 ND		
2-NITROANILINE	820.0000	3.3000		0.0000 ND				0.0000 ND		
2-NITROPHENOL	340.0000	0.3000		0.0000 ND				0.0000 ND		
3,3'-DICHLOROBENZIDINE	340.0000	1.3000		0.0000 ND				0.0000 ND		
3-NITROANILINE	820.0000	3.3000		0.0000 ND				0.0000 ND		
4,6-DINITRO-2-METHYLPHENOL	820.0000	3.3000		0.0000 ND				0.0000 ND		
4-BROMOPHENYL PHENYL ETHER	340.0000	0.7000		0.0000 ND				0.0000 ND		
4-CHLORO-3-METHYLPHENOL	340.0000	1.3000		0.0000 ND				0.0000 ND		
4-CHLOROANILINE	340.0000	1.3000		0.0000 ND				0.0000 ND		
4-CHLOROPHENYL PHENYL ETHER	340.0000	0.7000		0.0000 ND				0.0000 ND		
4-METHYLPHENOL (p-CRESOL)	340.0000	0.3000		0.0000 ND				0.0000 ND		
4-NITROANILINE	820.0000	3.3000		0.0000 ND				0.0000 ND		
4-NITROPHENOL	820.0000	1.6000		0.0000 ND				0.0000 ND		
ACENAPHTHENE	340.0000	0.7000		0.0000 ND				0.0000 ND		
ACENAPHTHYLENE	340.0000	0.7000		0.0000 ND				0.0000 ND		
ANTHRACENE	340.0000	0.7000		0.0000 ND				0.0000 ND		
BENZO(a)ANTHRACENE	340.0000	0.7000		0.0000 ND				0.0000 ND		
BENZO(a)PYRENE	340.0000	0.7000	959.0000	0.0000 ND				0.0000 ND		
BENZO(b)FLUORANTHENE	340.0000	0.7000	95.9000	0.0000 ND				0.0000 ND		
BENZO(g,h,i)PERYLENE	340.0000	0.7000		0.0000 ND				0.0000 ND		
BENZO(k)FLUORANTHENE	340.0000	N/A		0.0000 ND				0.0000 ND		
BENZYL BUTYL PHTHALATE	340.0000	0.7000		0.0000 ND				0.0000 ND		
CARBAZOLE	340.0000	N/A		0.0000 ND				0.0000 ND		
CHRYSENE	340.0000	0.7000	9.5900	0.0000 ND				0.0000 ND		
DI-n-BUTYL PHTHALATE	340.0000	0.7000	8000.000	0.0000 ND				0.0000 ND		
DI-n-OCTYLPHTHALATE	340.0000	0.7000		0.0000 ND				0.0000 ND		
DIBENZ(a,h)ANTHRACENE	340.0000	0.7000		0.0000 ND				0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-266: Area Drain ST-266 Building 57001
Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units:

Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-266-08-1820 Lab ID:	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-RB07-072 Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
DIBENZOFURAN	340.0000	0.7000		0.0000 ND				0.0000 ND		
DIETHYL PHTHALATE	340.0000	0.7000		0.0000 ND				0.0000 ND		
DIMETHYL PHTHALATE	340.0000	0.7000		0.0000 ND				0.0000 ND		
FLUORANTHENE	340.0000	0.7000	3360.000	0.0000 ND				0.0000 ND		
FLUORENE	340.0000	0.7000	3360.000	0.0000 ND				0.0000 ND		
HEXACHLOROBENZENE	340.0000	0.7000		0.0000 ND				0.0000 ND		
HEXACHLOROBUTADIENE	340.0000	0.7000		0.0000 ND				0.0000 ND		
HEXACHLOROCYCLOPENTADIENE	340.0000	0.7000		0.0000 ND				0.0000 ND		
HEXACHLOROETHANE	340.0000	0.7000		0.0000 ND				0.0000 ND		
INDENO(1,2,3-c,d)PYRENE	340.0000	0.7000		0.0000 ND				0.0000 ND		
ISOPHORONE	340.0000	0.7000	7370.000	0.0000 ND				0.0000 ND		
N-NITROSODI-n-PROPYLAMINE	340.0000	0.7000		0.0000 ND				0.0000 ND		
N-NITROSODIPHENYLAMINE	340.0000	0.7000		0.0000 ND				0.0000 ND		
NAPHTHALENE	340.0000	0.7000	3200.000	0.0000 ND				2.0000 J		
NITROBENZENE	340.0000	0.7000		0.0000 ND				0.0000 ND		
PENTACHLOROPHENOL	820.0000	3.3000	5.8300	0.0000 ND				0.0000 ND		
PHENANTHRENE	340.0000	0.7000		0.0000 ND				0.0000 ND		
PHENOL	340.0000	0.3000	48000.00	0.0000 ND				0.0000 ND		
PYRENE	340.0000	0.7000	2400.000	0.0000 ND				0.0000 ND		
bis(2-CHLOROETHOXY) METHANE	340.0000	0.7000		0.0000 ND				0.0000 ND		
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	340.0000	0.7000		0.0000 ND				0.0000 ND		
bis(2-CHLOROISOPROPYL) ETHER	340.0000	0.7000		0.0000 ND				0.0000 ND		
bis(2-ETHYLHEXYL) PHTHALATE	N/A	0.7000	50.0000	44.0000 J				2.0000 J		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-266: Area Drain ST-266 Building 57001
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-266-09-1820 Lab ID: 940643-03	Field ID: KAFB-266-09-3032 Lab ID: 940643-04	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-RB07-072 Lab ID: 940643-01	Ambient Blank Field ID: Lab ID:	Lab ID:
ALUMINUM	3.6000	50.0000		4280.0000	5490.0000			55.0000 B		
ANTIMONY	3.7000	40.0000	32.0000	5.6000 B	5.2000 B			0.0000 ND		
ARSENIC	0.3200	60.0000	38.9000	2.6000	3.8000			0.0000 ND		
BARIUM	0.7500	2.0000	5600.000	56.9000	63.9000			0.0000 ND		
BERYLLIUM	0.1100	0.3000	16.3000	0.2500 B	0.7200			0.0000 ND		
CADMIUM	0.3200	4.0000	40.0000	0.3100 B	0.0000 ND			0.0000 ND		
CALCIUM	0.7500	10.0000		88200.0000	85400.0000			128.0000 B		
CHROMIUM, TOTAL	0.7500	7.0000		4.9000	14.7000			0.0000 ND		
COBALT	0.4300	7.0000		1.9000 B	2.4000 B			0.0000 ND		
COPPER	0.6500	6.0000		7.1000	19.4000			0.0000 ND		
IRON	0.5400	7.0000		5280.0000	7910.0000			186.0000		
LEAD	0.1100	50.0000	400.0000	5.5000	8.3000			0.0000 ND		
MAGNESIUM	2.9000	30.0000		2450.0000	2510.0000			0.0000 ND		
MANGANESE	0.1100	2.0000	400.0000	151.0000	179.0000			1.5000 B		
NICKEL	0.7500	15.0000	1600.000	7.6000	5.8000			14.6000 B		
POTASSIUM	1.1000	500.0000		804.0000	1220.0000			39.4000 B		
SELENIUM	0.4300	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		
SILVER	0.5400	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		
SODIUM	5.5000	30.0000		76.5000 B	164.0000 B			241.0000 B		
THALLIUM	0.4300	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		
VANADIUM	0.3200	8.0000	720.0000	8.7000	13.3000			0.0000 ND		
ZINC	0.3200	2.0000	24000.00	20.2000	38.6000			9.4000 B		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-266: Area Drain ST-266 Building 57001
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-266-09-1820 Lab ID: 940643-03	Field ID: KAFB-266-09-3032 Lab ID: 940643-04	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-RB07-072 Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MERCURY	0.0400	0.1000		0.0000 ND	0.0600 B			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-266: Area Drain ST-266 Building 57001
Method Extraction: :
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-266-09-1820 Lab ID:	Field ID: KAFB-266-09-3032 Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-072094 Lab ID:	Equipment Blank Field ID: KAFB-EB-266-07209 Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
GASOLINE COMPONENTS	530.0000	1.0000		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-266: Area Drain ST-266 Building 57001
Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-266-09-1820 Lab ID:	Field ID: KAFB-266-09-3032 Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-266-07209 Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
DIESEL COMPONENTS	11.0000	10.0000		0.0000 ND	0.0000 ND			0.0000 ND		
FUEL OILS	11.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		
JET FUEL #4 (JP4)	11.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		
JET FUEL #5 (JP5)	11.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		
JET FUEL #8 (JP8)	11.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		
KEROSENE	11.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		
LUBRICATING OIL	11.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		
MED. PETROLEUM DISTILLATE C8-C12 (ie:NAPHTHA etc.)	11.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		
MOTOR OILS	11.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-266: Area Drain ST-266 Building 57001
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-266-09-1820 Lab ID: 940643-03	Field ID: KAFB-266-09-3032 Lab ID: 940643-04	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-072094 Lab ID: 940643-05	Equipment Blank Field ID: KAFB-EB-RB07-072 Lab ID: 940643-01	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	5.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	5.0000	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	5.0000	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	5.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	5.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	5.0000	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROPROPYLENE	5.0000	N/A		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	11.0000	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ACETONE	N/A	0.1000	8000.000	270.0000 E	190.0000		0.0000 ND	0.0000 ND		
BENZENE	5.0000	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	5.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	5.0000	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	11.0000	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON DISULFIDE	5.0000	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	5.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	5.0000	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	11.0000	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	5.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	11.0000	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	5.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	5.0000	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	11.0000	0.1000	48000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	11.0000	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	5.0000	0.0050	93.3000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
STYRENE	5.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	5.0000	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	5.0000	0.0050	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOTAL 1,2-DICHLOROETHENE	5.0000	N/A		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TRICHLOROETHYLENE (TCE)	5.0000	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	11.0000	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	5.0000	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	5.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	5.0000	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-266: Area Drain ST-266 Building 57001
Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units:

Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-266-09-1820 Lab ID:	Field ID: KAFB-266-09-3032 Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-RB07-072 Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
1,2,4-TRICHLOROBENZENE	370.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		
1,2-DICHLOROBENZENE	370.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
1,3-DICHLOROBENZENE	370.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
1,4-DICHLOROBENZENE	370.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4,5-TRICHLOROPHENOL	900.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4,6-TRICHLOROPHENOL	370.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4-DICHLOROPHENOL	370.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4-DIMETHYLPHENOL	370.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4-DINITROPHENOL	900.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4-DINITROTOLUENE	370.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
2,6-DINITROTOLUENE	370.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
2-CHLORONAPHTHALENE	370.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
2-CHLOROPHENOL	370.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2-METHYLNAPHTHALENE	370.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		
2-METHYLPHENOL (o-CRESOL)	370.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2-NITROANILINE	900.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2-NITROPHENOL	370.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
3,3'-DICHLOROBENZIDINE	370.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		
3-NITROANILINE	900.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4,6-DINITRO-2-METHYLPHENOL	900.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-BROMOPHENYL PHENYL ETHER	370.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
4-CHLORO-3-METHYLPHENOL	370.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-CHLOROANILINE	370.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-CHLOROPHENYL PHENYL ETHER	370.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
4-METHYLPHENOL (p-CRESOL)	370.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-NITROANILINE	900.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-NITROPHENOL	900.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		
ACENAPHTHENE	370.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
ACENAPHTHYLENE	370.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
ANTHRACENE	370.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(a)ANTHRACENE	370.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(a)PYRENE	370.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(b)FLUORANTHENE	370.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(g,h,i)PERYLENE	370.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(k)FLUORANTHENE	370.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		
BENZYL BUTYL PHTHALATE	370.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
CARBAZOLE	370.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		
CHRYSENE	370.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		
DI-n-BUTYL PHTHALATE	370.0000	0.7000	8000.000	0.0000 ND	0.0000 ND			0.0000 ND		
DI-n-OCTYLPHTHALATE	370.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
DIBENZ(a,h)ANTHRACENE	370.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-266: Area Drain ST-266 Building 57001
Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units:

Method Extraction: SW3500: Organic Extraction and Sample Preparation
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-266-09-1820 Lab ID:	Field ID: KAFB-266-09-3032 Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-RB07-072 Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
DIBENZOFURAN	370.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
DIETHYL PHTHALATE	370.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
DIMETHYL PHTHALATE	370.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
FLUORANTHENE	370.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		
FLUORENE	370.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		
HEXACHLOROBENZENE	370.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
HEXACHLOROBUTADIENE	370.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
HEXACHLOROCYCLOPENTADIENE	370.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
HEXACHLOROETHANE	370.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
INDENO(1,2,3-c,d)PYRENE	370.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
ISOPHORONE	370.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		
N-NITROSODI-n-PROPYLAMINE	370.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
N-NITROSODIPHENYLAMINE	370.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
NAPHTHALENE	370.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			2.0000 J		
NITROBENZENE	370.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
PENTACHLOROPHENOL	900.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		
PHENANTHRENE	370.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
PHENOL	370.0000	0.3000	48000.00	0.0000 ND	0.0000 ND			0.0000 ND		
PYRENE	370.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		
bis(2-CHLOROETHOXY) METHANE	370.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	370.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
bis(2-CHLOROISOPROPYL) ETHER	370.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
bis(2-ETHYLHEXYL) PHTHALATE	370.0000	0.7000	50.0000	0.0000 ND	230.0000 J			2.0000 J		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-267: Oil/Water Separator Building 57007
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-267-01-0408 Lab ID: 0364870008SA	Field ID: Lab ID: 0364870008SA	Field ID: KAFB-267-01-0911 Lab ID: 0364870009SA	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		8.2000		3.4000				

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-267: Oil/Water Separator Building 57007
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: "Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-267-01-0406 Lab ID: P277804	Field ID: KAFB-267-01-0911 Lab ID: P277805	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-266-06249 Lab ID: P277798	Ambient Blank Field ID: Lab ID:	Lab ID:
ALUMINUM	2.0000	50.0000		7203.0000	3650.0000			49.0000		
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		
BARIUM	0.2000	2.0000	5600.000	130.0000	53.5000			0.0000 ND		
BERYLLIUM	0.2000	0.3000	16.3000	0.6400	0.3100			0.0000 ND		
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND			0.0000 ND		
CALCIUM	2.0000	10.0000		66000.0000	60700.0000			56.0000		
CHROMIUM, TOTAL	1.0000	7.0000		13.7000	5.3000			0.0000 ND		
COBALT	1.0000	7.0000		4.3000	3.9000			0.0000 ND		
COPPER	0.1000	6.0000		29.2000	24.2000			14.0000		
IRON	0.8000	7.0000		11600.0000	6110.0000			20.0000		
LEAD	3.0000	50.0000	400.0000	11.8000	8.6000			0.0000 ND		
MAGNESIUM	3.0000	30.0000		4660.0000	2220.0000			41.0000		
MANGANESE	0.3000	2.0000	400.0000	171.0000	213.0000			0.0000 ND		
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		
NICKEL	3.0000	15.0000	1600.000	31.0000	5.2000			0.0000 ND		
POTASSIUM	20.0000	500.0000		1330.0000	640.0000			0.0000 ND		
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			4.0000		
SODIUM	3.0000	30.0000		170.0000	76.1000			47.0000		
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		
VANADIUM	0.4000	8.0000	720.0000	25.7000	9.0000			0.0000 ND		
ZINC	0.7000	2.0000	24000.00	39.5000	28.5000			10.0000		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-267: Oil/Water Separator Building 57007
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-267-01-0408 Lab ID: P277804	Field ID: KAFB-267-01-0911 Lab ID: P277805	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-266-06249 Lab ID: P277798	Ambient Blank Field ID: Lab ID:	Lab ID:
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-267: Oil/Water Separator Building 57007
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-267-01-0408 Lab ID:	Field ID: KAFB-267-01-0911 Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-062494 Lab ID: 0364870001TB	Equipment Blank Field ID: KAFB-EB-266-06249 Lab ID: 0364870002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		211.0000	232.0000		101.0000 %	98.0000 %		
GASOLINE COMPONENTS	200.0000	1.0000		0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-267: Oil/Water Separator Building 57007
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-267-01-0408 Lab ID: P277804	Field ID: KAFB-267-01-0911 Lab ID: P277805	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-266-06249 Lab ID: P277798	Ambient Blank Field ID: Lab ID:	Lab ID:
DIESEL COMPONENTS	70.0000	10.0000		2100.0000	1000.0000			0.0000 ND		
PENTACOSANE	N/A	N/A		3600.0000	3810.0000			108.0000		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-267: Oil/Water Separator Building 57007
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-267-01-0408 Lab ID: 0364870008MS	Field ID: KAFB-267-01-0911 Lab ID: 0364870009SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-062494 Lab ID: 0364870001TB	Equipment Blank Field ID: KAFB-EB-266-06249 Lab ID: 0364870002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0054	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0054	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0044	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0054	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0044	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		102.0000 %	104.0000 %		101.0000 %	106.0000 %		
1,2-DICHLOROPROPANE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		98.0000 %	96.0000 %		101.0000 %	98.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ACETONE	0.0110	0.1000	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BENZENE	0.0022	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0022	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0054	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0044	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0054	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0022	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0022	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0065	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0044	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0022	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0033	0.0050	93.3000	0.0066	0.0091		5.1000 =	5.8000		
STYRENE	0.0054	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0022	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0033	0.0050	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		98.0000 %	101.0000 %		100.0000 %	99.0000 %		
TRICHLOROETHYLENE (TCE)	0.0033	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0076	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0044	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0054	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0054	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0054	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

Base: KIRTLAND AFB
Site: ST-267: Oil/Water Separator Building 57007
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

ANALYTCAL DATA SUMMARY

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-267-01-0408 Lab ID: P277804	Field ID: KAFB-267-01-0911 Lab ID: P277805	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-266-06249 Lab ID: P277798	Ambient Blank Field ID: Lab ID:	Lab ID:
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4,6-TRIBROMOPHENOL	N/A	N/A		95.0000	80.0000			90.0000		
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2-FLUOROBIPHENYL	N/A	N/A		50.0000	50.0000			43.0000		
2-FLUOROPHENOL	N/A	N/A		95.0000	85.0000			47.0000		
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-267: Oil/Water Separator Building 57007
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-267-01-0408 Lab ID: P277804	Field ID: KAFB-267-01-0911 Lab ID: P277805	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-266-06249 Lab ID: P277798	Ambient Blank Field ID: Lab ID:	Lab ID:
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND			0.0000 ND		
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
NITROBENZENE-D5	N/A	0.7000		47.0000	50.0000			44.0000		
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
PHENOL	130.0000	0.3000	48000.00	160.0000	0.0000 ND			0.0000 ND		
PHENOL-D5	N/A	N/A		90.0000	85.0000			36.0000		
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		
TERPHENYL-D14	N/A	N/A		60.0000	60.0000			50.0000		
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-267: Oil/Water Separator Building 57007
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-267-01-0408 Lab ID: P277804	Field ID: Lab ID: P277804	Field ID: KAFB-267-01-0911 Lab ID: P277805	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.9000		8.6000				

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-267: Oil/Water Separator Building 57007
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-267-02-0406 Lab ID: 0364870010SA	Field ID: KAFB-267-02-0911 Lab ID: 0364870011SA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		8.1000	2.7000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-267: Oil/Water Separator Building 57007
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: *Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-267-02-0406 Lab ID: P277806	Field ID: KAFB-267-02-0911 Lab ID: P277807	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-266-06249 Lab ID: P277798	Ambient Blank Field ID: Lab ID:	Lab ID:
ALUMINUM	2.0000	50.0000		7100.0000	4360.0000			49.0000		
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		
BARIUM	0.2000	2.0000	5600.000	287.0000	155.0000			0.0000 ND		
BERYLLIUM	0.2000	0.3000	16.3000	0.5400	0.4100			0.0000 ND		
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.8300			0.0000 ND		
CALCIUM	2.0000	10.0000		42400.0000	91400.0000			56.0000		
CHROMIUM, TOTAL	1.0000	7.0000		8.7000	7.9000			0.0000 ND		
COBALT	1.0000	7.0000		4.8000	2.8000			0.0000 ND		
COPPER	0.1000	6.0000		84.5000	57.7000			14.0000		
IRON	0.8000	7.0000		10100.0000	10000.0000			20.0000		
LEAD	3.0000	50.0000	400.0000	12.6000	9.1000			0.0000 ND		
MAGNESIUM	3.0000	30.0000		5510.0000	3790.0000			41.0000		
MANGANESE	0.3000	2.0000	400.0000	173.0000	188.0000			0.0000 ND		
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		
NICKEL	3.0000	15.0000	1600.000	6.8000	11.1000			0.0000 ND		
POTASSIUM	20.0000	500.0000		1260.0000	594.0000			0.0000 ND		
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			4.0000		
SODIUM	3.0000	30.0000		110.0000	101.0000			47.0000		
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		
VANADIUM	0.4000	8.0000	720.0000	27.5000	14.5000			0.0000 ND		
ZINC	0.7000	2.0000	24000.00	61.4000	48.6000			10.0000		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-267: Oil/Water Separator Building 57007
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-267-02-0406 Lab ID: P277806	Field ID: KAFB-267-02-0911 Lab ID: P277807	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-266-06249 Lab ID: P277798	Ambient Blank Field ID: Lab ID:	Lab ID:
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-267: Oil/Water Separator Building 57007
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-267-02-0406 Lab ID:	Field ID: KAFB-267-02-0911 Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-062494 Lab ID: 0364870001TB	Equipment Blank Field ID: KAFB-EB-266-06249 Lab ID: 0364870002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		173.0000	192.0000		101.0000 %	98.0000 %		
GASOLINE COMPONENTS	200.0000	1.0000		0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-267: Oil/Water Separator Building 57007
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-267-02-0406 Lab ID: P277806	Field ID: KAFB-267-02-0911 Lab ID: P277807	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-266-06249 Lab ID: P277798	Ambient Blank Field ID: Lab ID:	Lab ID:
DIESEL COMPONENTS	70.0000	10.0000		1200.0000	1100.0000			0.0000 ND		
PENTACOSANE	N/A	N/A		3560.0000	3560.0000			108.0000		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-267: Oil/Water Separator Building 57007
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-267-02-0406 Lab ID: 0364870010SA	Field ID: KAFB-267-02-0911 Lab ID: 0364870011SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-062494 Lab ID: 0364870001TB	Equipment Blank Field ID: KAFB-EB-266-06249 Lab ID: 0364870002EB	Ambient Blank Field ID: Lab ID:	Lab ID:
1,1,1-TRICHLOROETHANE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2,2-TETRACHLOROETHANE	0.0054	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1,2-TRICHLOROETHANE	0.0054	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHANE	0.0044	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,1-DICHLOROETHENE	0.0054	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE	0.0044	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		106.0000 %	102.0000 %		101.0000 %	106.0000 %		
1,2-DICHLOROPROPANE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		96.0000 %	96.0000 %		101.0000 %	98.0000 %		
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
2-HEXANONE	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ACETONE	0.0110	0.1000	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BENZENE	0.0022	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMODICHLOROMETHANE	0.0022	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOFORM	0.0054	0.0050	86.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
BROMOMETHANE	0.0044	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON DISULFIDE	0.0054	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CARBON TETRACHLORIDE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROBENZENE	0.0022	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROFORM	0.0022	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
CHLOROMETHANE	0.0065	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
DIBROMOCHLOROMETHANE	0.0044	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
ETHYLBENZENE	0.0022	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
METHYLENE CHLORIDE	0.0033	0.0050	93.3000	0.0092	0.0077		5.1000 =	5.8000		
STYRENE	0.0054	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TETRACHLOROETHYLENE(PCE)	0.0022	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE	0.0033	0.0050	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
TOLUENE-D8	N/A	0.0050		100.0000 %	101.0000 %		100.0000 %	99.0000 %		
TRICHLOROETHYLENE (TCE)	0.0033	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL ACETATE	0.0076	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
VINYL CHLORIDE	0.0044	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
XYLENES, TOTAL	0.0054	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
cis-1,3-DICHLOROPROPENE	0.0054	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,2-DICHLOROETHENE	0.0054	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		
trans-1,3-DICHLOROPROPENE	0.0033	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-267: Oil/Water Separator Building 57007
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-267-02-0406 Lab ID: P277806	Field ID: KAFB-267-02-0911 Lab ID: P277807	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-266-06249 Lab ID: P277798	Ambient Blank Field ID: Lab ID:	Lab ID:
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4,6-TRIBROMOPHENOL	N/A	N/A		80.0000	70.0000			90.0000		
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2-FLUOROBIPHENYL	N/A	N/A		48.0000	50.0000			43.0000		
2-FLUOROPHENOL	N/A	N/A		85.0000	80.0000			47.0000		
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-267: Oil/Water Separator Building 57007
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-267-02-0406 Lab ID: P277806	Field ID: KAFB-267-02-0911 Lab ID: P277807	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-266-06249 Lab ID: P277798	Ambient Blank Field ID: Lab ID:	Lab ID:
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND			0.0000 ND		
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
NITROBENZENE-D5	N/A	0.7000		48.0000	50.0000			44.0000		
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	0.0000 ND			0.0000 ND		
PHENOL-D5	N/A	N/A		85.0000	90.0000			36.0000		
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		
TERPHENYL-D14	N/A	N/A		50.0000	55.0000			50.0000		
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-267: Oil/Water Separator Building 57007
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-267-02-0406 Lab ID: P277806	Field ID: KAFB-267-02-0911 Lab ID: P277807	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.4000	8.5000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-267: Oil/Water Separator Building 57007
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-267-03-0406 Lab ID: 0365190003SA	Field ID: Lab ID: 0365190003SA	Field ID: KAFB-267-03-0911 Lab ID: 0365190004SA	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		13.0000		2.5000				

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-267: Oil/Water Separator Building 57007
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: *Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-267-03-0406 Lab ID: P277937	Field ID: KAFB-267-03-0911 Lab ID: P277938	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-267-06279 Lab ID: P277936	Ambient Blank Field ID: Lab ID:	Lab ID:
ALUMINUM	2.0000	50.0000		7360.0000	3250.0000			87.0000		
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		
BARIUM	0.2000	2.0000	5600.000	79.6000	36.2000			3.0000		
BERYLLIUM	0.2000	0.3000	16.3000	0.6500	0.3100			0.0000 ND		
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND			0.0000 ND		
CALCIUM	2.0000	10.0000		47200.0000	31500.0000			211.0000		
CHROMIUM, TOTAL	1.0000	7.0000		10.1000	15.1000			0.0000 ND		
COBALT	1.0000	7.0000		4.7000	3.0000			0.0000 ND		
COPPER	0.1000	6.0000		45.5000	48.5000			45.0000		
IRON	0.8000	7.0000		10100.0000	6220.0000			103.0000		
LEAD	3.0000	50.0000	400.0000	9.8000	5.8000			0.0000 ND		
MAGNESIUM	3.0000	30.0000		6880.0000	2070.0000			285.0000		
MANGANESE	0.3000	2.0000	400.0000	167.0000	158.0000			0.0000 ND		
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	4.5000			0.0000 ND		
NICKEL	3.0000	15.0000	1600.000	7.4000	4.3000			0.0000 ND		
POTASSIUM	20.0000	500.0000		1340.0000	651.0000			0.0000 ND		
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		
SODIUM	3.0000	30.0000		122.0000	86.2000			51.0000		
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		
VANADIUM	0.4000	8.0000	720.0000	24.1000	10.5000			0.0000 ND		
ZINC	0.7000	2.0000	24000.00	42.3000	36.5000			49.0000		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-267: Oil/Water Separator Building 57007
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-267-03-0406 Lab ID: P277937	Field ID: KAFB-267-03-0911 Lab ID: P277938	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-267-06279 Lab ID: P277936	Ambient Blank Field ID: Lab ID:	Lab ID:
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-267: Oil/Water Separator Building 57007
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-267-03-0406 Lab ID:	Field ID: KAFB-267-03-0911 Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-062794 Lab ID: 0365190001TB	Equipment Blank Field ID: KAFB-EB-267-06279 Lab ID: 0365190002EB	Ambient Blank Field ID: Lab ID: 0365200010AB	Lab ID:
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		216.0000	197.0000		100.0000 %	101.0000 %	%	
GASOLINE COMPONENTS	200.0000	1.0000		0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-267: Oil/Water Separator Building 57007
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-267-03-0406 Lab ID: P277937	Field ID: KAFB-267-03-0911 Lab ID: P277938	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-267-06279 Lab ID: P277936	Ambient Blank Field ID: Lab ID:	Lab ID:
DIESEL COMPONENTS	70.0000	10.0000		750.0000	1400.0000			0.0000 ND		
PENTACOSANE	N/A	N/A		4020.0000	4200.0000			111.0000		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-267: Oil/Water Separator Building 57007
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-267-03-0406 Lab ID: 0365190003SA	Field ID: KAFB-267-03-0911 Lab ID: 0365190004SA	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-062794 Lab ID: 0365190001TB	Equipment Blank Field ID: KAFB-EB-267-06279 Lab ID: 0365190002EB	Ambient Blank Field ID: Lab ID: 0365200010AB	Lab ID:
1,1,1-TRICHLOROETHANE	0.0034	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
1,1,2,2-TETRACHLOROETHANE	0.0057	0.0050	35.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
1,1,2-TRICHLOROETHANE	0.0057	0.0050	123.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
1,1-DICHLOROETHANE	0.0046	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
1,1-DICHLOROETHENE	0.0057	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
1,2-DICHLOROETHANE	0.0046	0.0050	7.6900	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
1,2-DICHLOROETHANE-D4	N/A	N/A		107.0000 %	108.0000 %		103.0000 %	98.0000 %	%	
1,2-DICHLOROPROPANE	0.0034	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		99.0000 %	96.0000 %		100.0000 %	101.0000 %	%	
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
2-HEXANONE	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
ACETONE	0.0110	0.1000	8000.000	0.0000 ND	0.0000 ND		37.0000 =	0.0000 ND	TR	
BENZENE	0.0023	0.0050	24.1000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
BROMODICHLOROMETHANE	0.0023	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
BROMOFORM	0.0057	0.0050	88.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
BROMOMETHANE	0.0046	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
CARBON DISULFIDE	0.0057	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
CARBON TETRACHLORIDE	0.0034	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
CHLOROBENZENE	0.0023	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
CHLOROETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
CHLOROFORM	0.0023	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
CHLOROMETHANE	0.0069	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
DIBROMOCHLOROMETHANE	0.0046	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
ETHYLBENZENE	0.0023	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
METHYLENE CHLORIDE	0.0034	0.0050	93.3000	0.0054	0.0044		7.8000 =	7.6000	TR	
STYRENE	0.0057	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
TETRACHLOROETHYLENE(PCE)	0.0023	0.0050	800.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
TOLUENE	0.0034	0.0050	16000.00	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
TOLUENE-D8	N/A	0.0050		99.0000 %	98.0000 %		98.0000 %	98.0000 %	%	
TRICHLOROETHYLENE (TCE)	0.0034	0.0050	63.6000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
VINYL ACETATE	0.0080	0.0500		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
VINYL CHLORIDE	0.0046	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
XYLENES, TOTAL	0.0057	0.0050	160000.0	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
cis-1,3-DICHLOROPROPENE	0.0057	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
trans-1,2-DICHLOROETHENE	0.0057	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
trans-1,3-DICHLOROPROPENE	0.0034	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	

Base: KIRTLAND AFB
Site: ST-267: Oil/Water Separator Building 57007
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

ANALYTCAL DATA SUMMARY

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-267-03-0406 Lab ID: P277937	Field ID: KAFB-267-03-0911 Lab ID: P277938	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-267-06279 Lab ID: P277936	Ambient Blank Field ID: Lab ID:	Lab ID:
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4,6-TRIBROMOPHENOL	N/A	N/A		60.0000	65.0000			90.0000		
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2-FLUOROBIPHENYL	N/A	N/A		38.0000	37.0000			46.0000		
2-FLUOROPHENOL	N/A	N/A		70.0000	65.0000			46.0000		
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-267: Oil/Water Separator Building 57007
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-267-03-0406 Lab ID: P277937	Field ID: KAFB-267-03-0911 Lab ID: P277938	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-267-06279 Lab ID: P277936	Ambient Blank Field ID: Lab ID:	Lab ID:
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND			0.0000 ND		
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
NITROBENZENE-D5	N/A	0.7000		36.0000	35.0000			48.0000		
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	0.0000 ND			0.0000 ND		
PHENOL-D5	N/A	N/A		70.0000	70.0000			36.0000		
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		
TERPHENYL-D14	N/A	N/A		42.0000	44.0000			55.0000		
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-267: Oil/Water Separator Building 57007
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-267-03-0406 Lab ID: P277937	Field ID: Lab ID: P277937	Field ID: KAFB-267-03-0911 Lab ID: P277938	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.2000		8.5000				

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-267: Oil/Water Separator Building 57007
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-267-04-0406 Lab ID: 0365190005SA	Field ID: KAFB-267-04-0911 Lab ID: 0365190006RA	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MOISTURE, PERCENT	0.1000	N/A		7.6000	1.8000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-267: Oil/Water Separator Building 57007
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW3005: *Digestion for Total Recoverable Metals for Flame
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-267-04-0406 Lab ID: P277939	Field ID: KAFB-267-04-0911 Lab ID: P277940	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-267-06279 Lab ID: P277936	Ambient Blank Field ID: Lab ID:	Lab ID:
ALUMINUM	2.0000	50.0000		3950.0000	3690.0000			87.0000		
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND	0.0000 ND			0.0000 ND		
ARSENIC	6.0000	60.0000	38.9000	0.0000 ND	0.0000 ND			0.0000 ND		
BARIUM	0.2000	2.0000	5600.000	57.7000	45.0000			3.0000		
BERYLLIUM	0.2000	0.3000	16.3000	0.4500	0.4100			0.0000 ND		
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND	0.0000 ND			0.0000 ND		
CALCIUM	2.0000	10.0000		40700.0000	49500.0000			211.0000		
CHROMIUM, TOTAL	1.0000	7.0000		6.1000	5.0000			0.0000 ND		
COBALT	1.0000	7.0000		2.7000	3.0000			0.0000 ND		
COPPER	0.1000	6.0000		14.6000	75.4000			45.0000		
IRON	0.8000	7.0000		8000.0000	6910.0000			103.0000		
LEAD	3.0000	50.0000	400.0000	9.5000	9.5000			0.0000 ND		
MAGNESIUM	3.0000	30.0000		2250.0000	2420.0000			285.0000		
MANGANESE	0.3000	2.0000	400.0000	203.0000	188.0000			0.0000 ND		
MOLYBDENUM	2.0000	8.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		
NICKEL	3.0000	15.0000	1600.000	7.4000	8.3000			0.0000 ND		
POTASSIUM	20.0000	500.0000		771.0000	775.0000			0.0000 ND		
SELENIUM	7.0000	80.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		
SILVER	0.3000	7.0000	400.0000	0.0000 ND	0.0000 ND			0.0000 ND		
SODIUM	3.0000	30.0000		74.0000	68.5000			51.0000		
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND	0.0000 ND			0.0000 ND		
VANADIUM	0.4000	8.0000	720.0000	15.0000	9.7000			0.0000 ND		
ZINC	0.7000	2.0000	24000.00	29.8000	47.4000			49.0000		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-267: Oil/Water Separator Building 57007
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7470: Mercury in Liquid Waste (Manual Cold-Vapor Techniq
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-267-04-0406 Lab ID: P277939	Field ID: KAFB-267-04-0911 Lab ID: P277940	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-267-06279 Lab ID: P277936	Ambient Blank Field ID: Lab ID:	Lab ID:
MERCURY	0.1000	0.1000		0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-267: Oil/Water Separator Building 57007
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-267-04-0406 Lab ID:	Field ID: KAFB-267-04-0911 Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-062794 Lab ID: 0365190001TB	Equipment Blank Field ID: KAFB-EB-267-06279 Lab ID: 0365190002EB	Ambient Blank Field ID: Lab ID: 0365200010AB	Lab ID:
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		182.0000	217.0000		100.0000 %	101.0000 %	%	
GASOLINE COMPONENTS	200.0000	1.0000		0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-267: Oil/Water Separator Building 57007
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-267-04-0406 Lab ID: P277939	Field ID: KAFB-267-04-0911 Lab ID: P277940	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-267-06279 Lab ID: P277936	Ambient Blank Field ID: Lab ID:	Lab ID:
DIESEL COMPONENTS	70.0000	10.0000		940.0000	480.0000			0.0000 ND		
PENTACOSANE	N/A	N/A		3870.0000	4360.0000			111.0000		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-267: Oil/Water Separator Building 57007
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Milligrams per Kilogram

Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-267-04-0406 Lab ID: 0365190005SA	Field ID: KAFB-267-04-0911 Lab ID: 0365190006MS	Field ID: Lab ID:	Trip Blank Field ID: KAFB-TB-01-062794 Lab ID: 0365190001TB	Equipment Blank Field ID: KAFB-EB-267-06279 Lab ID: 0365190002EB	Ambient Blank Field ID: Lab ID: 0365200010AB	Lab ID:
1,1,1-TRICHLOROETHANE	0.0032	0.0050		0.0000 ND	0.0023 TR		0.0000 ND	0.0000 ND	ND	
1,1,2,2-TETRACHLOROETHANE	0.0054	0.0050	35.0000	0.0000 ND	0.0021 TR		0.0000 ND	0.0000 ND	ND	
1,1,2-TRICHLOROETHANE	0.0054	0.0050	123.0000	0.0000 ND	0.0022 TR		0.0000 ND	0.0000 ND	ND	
1,1-DICHLOROETHANE	0.0043	0.0050		0.0000 ND	0.0021 TR		0.0000 ND	0.0000 ND	ND	
1,1-DICHLOROETHENE	0.0054	0.0050		0.0000 ND	0.0016 TR		0.0000 ND	0.0000 ND	ND	
1,2-DICHLOROETHANE	0.0043	0.0050	7.6900	0.0000 ND	0.0025 TR		0.0000 ND	0.0000 ND	ND	
1,2-DICHLOROETHANE-D4	N/A	N/A		109.0000 %	96.0000 %		103.0000 %	98.0000 %	%	
1,2-DICHLOROPROPANE	0.0032	0.0050		0.0000 ND	0.0026 TR		0.0000 ND	0.0000 ND	ND	
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		101.0000 %	101.0000 %		100.0000 %	101.0000 %	%	
2-CHLOROETHYL VINYL ETHER	0.0110	0.0100		0.0000 ND	0.0023 TR		0.0000 ND	0.0000 ND	ND	
2-HEXANONE	0.0110	0.0500		0.0000 ND	0.0023 TR		0.0000 ND	0.0000 ND	ND	
ACETONE	0.0110	0.1000	8000.000	0.0000 ND	0.0150		37.0000 =	0.0000 ND	TR	
BENZENE	0.0022	0.0050	24.1000	0.0000 ND	0.0023		0.0000 ND	0.0000 ND	ND	
BROMODICHLOROMETHANE	0.0022	0.0050		0.0000 ND	0.0023		0.0000 ND	0.0000 ND	ND	
BROMOFORM	0.0054	0.0050	88.6000	0.0000 ND	0.0018 TR		0.0000 ND	0.0000 ND	ND	
BROMOMETHANE	0.0043	0.0100	32.0000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
CARBON DISULFIDE	0.0054	0.0050	8000.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
CARBON TETRACHLORIDE	0.0032	0.0050		0.0000 ND	0.0023 TR		0.0000 ND	0.0000 ND	ND	
CHLOROBENZENE	0.0022	N/A	2160.000	0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
CHLOROETHANE	0.0110	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
CHLOROFORM	0.0022	0.0050		0.0000 ND	0.0024		0.0000 ND	0.0000 ND	ND	
CHLOROMETHANE	0.0065	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
DIBROMOCHLOROMETHANE	0.0043	0.0050		0.0000 ND	0.0023 TR		0.0000 ND	0.0000 ND	ND	
ETHYLBENZENE	0.0022	0.0050	8000.000	0.0000 ND	0.0026		0.0000 ND	0.0000 ND	ND	
METHYL ETHYL KETONE (2-BUTANONE)	0.0110	0.1000	48000.00	0.0000 ND	0.0035 TR		0.0000 ND	0.0000 ND	ND	
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	0.0110	0.0500		0.0000 ND	0.0022 TR		0.0000 ND	0.0000 ND	ND	
METHYLENE CHLORIDE	0.0032	0.0050	93.3000	0.0050	0.0029 TR		7.8000 =	7.6000	TR	
STYRENE	0.0054	0.0050		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
TETRACHLOROETHYLENE(PCE)	0.0022	0.0050	800.0000	0.0000 ND	0.0024		0.0000 ND	0.0000 ND	ND	
TOLUENE	0.0032	0.0050	16000.00	0.0000 ND	0.0025 TR		0.0000 ND	0.0000 ND	ND	
TOLUENE-D8	N/A	0.0050		98.0000 %	96.0000 %		98.0000 %	98.0000 %	%	
TRICHLOROETHYLENE (TCE)	0.0032	0.0050	63.6000	0.0000 ND	0.0025 TR		0.0000 ND	0.0000 ND	ND	
VINYL ACETATE	0.0076	0.0500		0.0000 ND	0.0017 TR		0.0000 ND	0.0000 ND	ND	
VINYL CHLORIDE	0.0043	0.0100		0.0000 ND	0.0000 ND		0.0000 ND	0.0000 ND	ND	
XYLENES, TOTAL	0.0054	0.0050	160000.0	0.0000 ND	0.0055		0.0000 ND	0.0000 ND	ND	
cis-1,3-DICHLOROPROPENE	0.0054	0.0050		0.0000 ND	0.0024 TR		0.0000 ND	0.0000 ND	ND	
trans-1,2-DICHLOROETHENE	0.0054	0.0050		0.0000 ND	0.0022 TR		0.0000 ND	0.0000 ND	ND	
trans-1,3-DICHLOROPROPENE	0.0032	0.0050		0.0000 ND	0.0023 TR		0.0000 ND	0.0000 ND	ND	

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-267: Oil/Water Separator Building 57007
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-267-04-0406 Lab ID: P277939	Field ID: KAFB-267-04-0911 Lab ID: P277940	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-267-06279 Lab ID: P277936	Ambient Blank Field ID: Lab ID:	Lab ID:
1,2,4-TRICHLOROBENZENE	200.0000	0.7000	800.0000	0.0000 ND	0.0000 ND			0.0000 ND		
1,2-DICHLOROBENZENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
1,3-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
1,4-DICHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4,5-TRICHLOROPHENOL	270.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4,6-TRIBROMOPHENOL	N/A	N/A		65.0000	60.0000			90.0000		
2,4,6-TRICHLOROPHENOL	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4-DICHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4-DIMETHYLPHENOL	200.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4-DINITROPHENOL	300.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2,4-DINITROTOLUENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
2,6-DINITROTOLUENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
2-CHLORONAPHTHALENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
2-CHLOROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2-FLUOROBIPHENYL	N/A	N/A		38.0000	37.0000			46.0000		
2-FLUOROPHENOL	N/A	N/A		70.0000	65.0000			46.0000		
2-METHYLNAPHTHALENE	130.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		
2-METHYLPHENOL (o-CRESOL)	170.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
2-NITROPHENOL	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
3,3'-DICHLOROBENZIDINE	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		
3-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4,6-DINITRO-2-METHYLPHENOL	200.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-BROMOPHENYL PHENYL ETHER	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
4-CHLORO-3-METHYLPHENOL	200.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-CHLOROANILINE	130.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-CHLOROPHENYL PHENYL ETHER	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
4-METHYLPHENOL (p-CRESOL)	130.0000	0.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-NITROANILINE	170.0000	3.3000		0.0000 ND	0.0000 ND			0.0000 ND		
4-NITROPHENOL	170.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		
ACENAPHTHENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
ACENAPHTHYLENE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(a)ANTHRACENE	200.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(a)PYRENE	200.0000	0.7000	959.0000	0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(b)FLUORANTHENE	300.0000	0.7000	95.9000	0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(g,h,i)PERYLENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZO(k)FLUORANTHENE	300.0000	N/A		0.0000 ND	0.0000 ND			0.0000 ND		
BENZOIC ACID	570.0000	1.6000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZYL ALCOHOL	100.0000	1.3000		0.0000 ND	0.0000 ND			0.0000 ND		
BENZYL BUTYL PHTHALATE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-267: Oil/Water Separator Building 57007
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per kilogram

Method Extraction: SW3510: Separatory Funnel Liquid-Liquid Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Water Quality Control Matrix

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-267-04-0406 Lab ID: P277939	Field ID: KAFB-267-04-0911 Lab ID: P277940	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: KAFB-EB-267-06279 Lab ID: P277936	Ambient Blank Field ID: Lab ID:	Lab ID:
CHRYSENE	200.0000	0.7000	9.5900	0.0000 ND	0.0000 ND			0.0000 ND		
DI-n-BUTYL PHTHALATE	200.0000	0.7000	8000.000	0.0000 ND	0.0000 ND			0.0000 ND		
DI-n-OCTYLPHTHALATE	300.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
DIBENZ(a,h)ANTHRACENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
DIBENZOFURAN	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
DIETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
DIMETHYL PHTHALATE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
FLUORANTHENE	230.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		
FLUORENE	170.0000	0.7000	3360.000	0.0000 ND	0.0000 ND			0.0000 ND		
HEXACHLOROBENZENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
HEXACHLOROBUTADIENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
HEXACHLOROCYCLOPENTADIENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
HEXACHLOROETHANE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
INDENO(1,2,3-c,d)PYRENE	270.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
ISOPHORONE	170.0000	0.7000	7370.000	0.0000 ND	0.0000 ND			0.0000 ND		
N-NITROSODI-n-PROPYLAMINE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
N-NITROSODIPHENYLAMINE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
NAPHTHALENE	170.0000	0.7000	3200.000	0.0000 ND	0.0000 ND			0.0000 ND		
NITROBENZENE	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
NITROBENZENE-D5	N/A	0.7000		37.0000	35.0000			48.0000		
PENTACHLOROPHENOL	230.0000	3.3000	5.8300	0.0000 ND	0.0000 ND			0.0000 ND		
PHENANTHRENE	230.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
PHENOL	130.0000	0.3000	48000.00	0.0000 ND	0.0000 ND			0.0000 ND		
PHENOL-D5	N/A	N/A		70.0000	70.0000			36.0000		
PYRENE	230.0000	0.7000	2400.000	0.0000 ND	0.0000 ND			0.0000 ND		
TERPHENYL-D14	N/A	N/A		45.0000	40.0000			55.0000		
bis(2-CHLOROETHOXY) METHANE	170.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
bis(2-CHLOROISOPROPYL) ETHER	130.0000	0.7000		0.0000 ND	0.0000 ND			0.0000 ND		
bis(2-ETHYLHEXYL) PHTHALATE	670.0000	0.7000	50.0000	0.0000 ND	0.0000 ND			0.0000 ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: ST-267: Oil/Water Separator Building 57007
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-267-04-0406 Lab ID: P277939	Field ID: KAFB-267-04-0911 Lab ID: P277940	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		8.4000	8.4000					

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Kirtland Air Force Base
Albuquerque, New Mexico

RCRA Facility Investigation (RFI)
Stage 2B

AR Doc # 21

Appendices H-K3

FINAL DRAFT - December 8, 1994

377 ABW/EMR
2000 Wyoming Blvd SE
Kirtland AFB, New Mexico 87117-5659

LIST OF APPENDICES

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Appendix B Biographies of Key Personnel

Appendix C Soil Boring Logs

Appendix D Field Data

Appendix E Surveying Data

Appendix F Chain-of-Custody Forms

Appendix G Analytical Data (Volumes I, II, III, IV, and V)

Appendix H Risk Calculations

Appendix I Correspondence with Federal, State, and Local Government Agencies

Appendix J Data from Previous Investigations

Appendix K Analytical Data Quality Assurance and Quality Control

K.1 Laboratory Quality Control - Sample Acceptance Criteria and Instrument Detection Limit

K.1.a Ceimic Laboratory QC
K.1.b NUS Laboratory QC

K.2 Field Equipment Calibration Logs

K.3 Data Validation Memos

K.4 Case Narratives

Appendix L Quality Assurance and Quality Control for Production of Documents

Appendix H

Risk Calculations

CACULATION OF REPRESENTATIVE CONCENTRATION FOR NORMAL / LOG-NORMAL DISTRIBUTION

ate: October 27, 1994 Location: ST-230: Oil/Water Separator ST230 Bldg 1046

ite: KIRTLAND AFB

Chemical: ANTIMONY

lumber of Occurences (n) : 6 Arithmetic mean of data (Xx) = 23.7750

Mean of transformed data = 3.1589

ample	Sample ID	x_i	$(x_i - x_x)^2$	$\ln x_i$	$(\ln x_i - x_y)^2$
1	KAFB-230-01-1012	21.9000	3.515625	3.086487	0.005245
2	KAFB-230-02-0507	21.9000	3.515625	3.086487	0.005245
3	KAFB-230-01-2022	22.1000	2.805625	3.095578	0.004011
4	KAFB-230-02-2022	22.4000	1.890625	3.109061	0.002485
5	KAFB-230-02-1014	22.6000	1.380625	3.117950	0.001678
6	KAFB-230-01/99-0509	31.7500	63.600625	3.457893	0.089391
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
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28					
29					
30					
31					
32					
33					
34					
35					
36					
37					
38					
39					
40					
41					
42					
43					
44					
45					
46					
47					
48					
49					
50					
	Summation:	142.6500	76.708750	18.953456	0.108055

$= \sqrt{\frac{\sum_{i=1}^{n} (x_i - x_x)^2}{n-1}}$ Sx = SQRT(76.708750 / 5) = 3.916855

$s_y = \sqrt{\frac{\sum_{i=1}^{n} (x_i - x_y)^2}{n-1}}$ Sy = SQRT(0.108055 / 5) = 0.147007

$ICL = x_x + t * [s_x / (n)^{1/2}]$

$CL = 23.7750 + 2.015 * [3.9169 / 2.4495] = 26.997084$

$UCL = e^{(x_y + s_y^2 / 2 + s_y * H / (n - 1)^{1/2})}$

$UCL = e^{(3.159 + 0.0216 / 2 + 0.1470 * 2.024 / 2.236)} = 27.187612$

SHAPIRO AND WILK W TEST FOR GOODNESS OF FIT - PAGE THREE OF THREE

Date: October 27, 1994 Location: ST-230: Oil/Water Separator ST230 Bldg 1046

Site: KIRTLAND AFB

Chemical: ANTIMONY

Calculate W : $1 / d \left[\sum_{i=1}^{int(n/2)} a_i (\ln x_{[n-i+1]} - \ln x_i) \right]^2$

Log-Normal Distribution :

i	a_i	$x_{[n-i+1]}$	x_i	$x_{[n-i+1]} - x_i$	$a_i (x_{[n-i+1]} - x_i)$
1	0.6431	3.4579	3.0865	0.3714	0.2389
2	0.2806	3.1180	3.0865	0.0315	0.0088
3	0.0875	3.1091	3.0956	0.0135	0.0012
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
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				Summation:	0.248900
				Summation^2:	0.061951

(From Page 1) d = 0.1080 (Log-Normal Distribution)

(From table A7, Gilbert, 1989) $W_{0.05}$ = 0.788

$W_{Calc} = 1 / d \left[\sum_{i=1}^{int(n/2)} a_i (x_{[n-i+1]} - x_i) \right]^2 = 0.0620 / 0.1080 = .57338$

$W_{Calc} - W_{Table} = 0.5734 - 0.7880 = -0.2146$

SHAPIRO AND WILK W TEST FOR GOODNESS OF FIT - PAGE TWO OF THREE

Date: October 27, 1994 Location: ST-230: Oil/Water Separator ST230 Bldg 1046

Site: KIRTLAND AFB

Chemical: ANTIMONY

Calculate W : $1 / d \left[\sum_{i=1}^{Int(n/2)} a_i \left(x_{[n-i+1]} - x_i \right) \right]^2$

Normal Distribution :

i	a_i	$x_{[n-i+1]}$	x_i	$x_{[n-i+1]} - x_i$	$a_i (x_{[n-i+1]} - x_i)$
1	0.6431	31.7500	21.9000	9.8500	6.3345
2	0.2806	22.6000	21.9000	0.7000	0.1964
3	0.0875	22.4000	22.1000	0.3000	0.0263
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25					
				Summation:	6.557200
				Summation^2:	42.996872

(From Page 1) d = 76.7088 (Normal Distribution)

(From table A7, Gilbert, 1989) $W_{0.05}$ = 0.788

$W_{Calc} = 1 / d \left[\sum_{i=1}^{Int(n/2)} a_i \left(x_{[n-i+1]} - x_i \right) \right]^2 = 42.9969 / 76.7088 = 0.560521$

$W_{Calc} - W_{Table} = 0.5605 - 0.7880 = -0.2275$

SHAPIRO AND WILK W TEST FOR GOODNESS OF FIT - PAGE ONE OF THREE

Date: October 27, 1994 Location: ST-230: Oil/Water Separator ST230 Bldg 1046

Site: KIRTLAND AFB

Chemical: ANTIMONY

Enter Number of Occurences (n): 6 (n must be >= 3)

Sample	Sample ID	x_i	x_i^2	ln x_i	$(\ln x_i)^2$
1	KAFB-230-01-1012	21.9000	479.610000	3.086487	9.526400
2	KAFB-230-02-0507	21.9000	479.610000	3.086487	9.526400
3	KAFB-230-01-2022	22.1000	488.410000	3.095578	9.582601
4	KAFB-230-02-2022	22.4000	501.760000	3.109061	9.666260
5	KAFB-230-02-1014	22.6000	510.760000	3.117950	9.721612
6	KAFB-230-01/99-0509	31.7500	1008.062500	3.457893	11.957022
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	Summation:	142.6500	3468.212500	18.953456	59.980295

Calculate d: $d = \sum x_i^2 - (1 / n) * (\sum x_i)^2$ d = 76.7088 (normal distribution)

d = 0.108046 (log-normal distribution)

RISK ASSESSMENT SPREADSHEET - INCIDENTAL INGESTION OF SOIL

SITE NAME: ST-230
LOCATION: Kirtland AFB
DATE: 10/26/94

HAZARD INDICES AND INCREMENTAL CANCER RISKS ARE CALCULATED BY THIS SPREADSHEET.
EXPOSURES THROUGH PICA INGESTION ARE CONSIDERED.
ASSUMPTIONS ARE OUTLINED BELOW.

EXPOSURE SCENARIO:

RELEVANT EQUATION: $IEX = (C \times IR \times Fi \times EF \times ED)/(BW \times AT \times 1E6)$

WHERE:
C = MEAN CONCENTRATION IN SOIL SAMPLE (MG/KG)
IR = SOIL INGESTION RATE (MG/EVENT)
EF = EXPOSURE FREQUENCY (EVENTS/YEAR)
Fi = FRACTION FROM CONTAMINATED SOURCE
ED = EXPOSURE DURATION (YEARS)
BW = BODY WEIGHT (KG)
AT = AVERAGING TIME (DAYS)

ENTER INPUT PARAMETERS.

ADULT:		YOUTH:	
IR:	100	IR:	200
EF:	350	EF:	350
Fi:	1	Fi:	1
ED:	24	ED:	6
BW:	70	BW:	15
AT(CAR):	25550	AT(CAR):	25550
AT(NON):	8760	AT(NON):	2190

DETERMINE CONVERSION FACTORS:

ADULT:			YOUTH			ADULT/YOUTH (CANCER RISK):	
CF:	1.37E 06	(AVG ANNUAL DOSE)	CF:	1.28E 05	(AVG ANNUAL DOSE)	CF:	1.57E 06

CALCULATE DOSES:

CHEMICAL	C (MG/KG)	YOUTH ANNUAL DOSE (MG/KG/DAY)	ADULT ANNUAL DOSE (MG/KG/DAY)	LIFETIME AVERAGE DOSE (MG/KG/DAY)	RFD (MG/KG/DAY)	CSF (KG-DAY/MG)
Antimony	27.187	3.48E-04	3.72E 05	4.26E-05	4.00E 04	

DETERMINE HAZARD INDICES AND CANCER RISK:

CHEMICAL	HAZARD INDEX YOUTH	HAZARD INDEX ADULT	INCREMENTAL CANCER RISK
Antimony	8.69E-01	9.31E-02	0.00E+00
TOTAL	**8.69E-01**	**9.31E-02**	**0.00E+00**

Noncarcinogenic and Carcinogenic Risks Associated With Ingestion of Soil at ST-228, Kirtland AFB

Site Location	Chemical of Concern	Sample Distribution (No. of Samples)	Concentration (95% UCL) (mg/kg)	Reference Dose (mg/kg/day)	Cancer Slope Factor (kg-day/mg)	Weight of Evidence	Hazard Quotient (a)		Hazard Index (a)	Extra Lifetime Cancer Risk (a)
							Child	Adult		
ST-228	Arsenic	N=3	10.6 (b)	0.0003	1.8	A	0.5	0.050	0.6	3E-05

(a) Expressed as one significant figure only.

(b)The maximum value was used when the sample number was 3.

RISK ASSESSMENT SPREADSHEET - INCIDENTAL INGESTION OF SOIL

SITE NAME: ST 228 Subsurface Soil
LOCATION: Kirtland AFB
DATE: 12/6/1994

HAZARD INDICES AND INCREMENTAL CANCER RISKS ARE CALCULATED BY THIS SPREADSHEET
EXPOSURES THROUGH PICA INGESTION ARE CONSIDERED
ASSUMPTIONS ARE OUTLINED BELOW

EXPOSURE SCENARIO:

RELEVANT EQUATIO: IEX = (C x IR x Fi x EF x ED)/(BW x AT x 1E6)

WHERE: C = MEAN CONCENTRATION IN SOIL SAMPLE (MG/KG)
IR = SOIL INGESTION RATE (MG/EVENT)
EF = EXPOSURE FREQUENCY (EVENTS/YEAR)
Fi = FRACTION FROM CONTAMINATED SOURCE
ED = EXPOSURE DURATION (YEARS)
BW = BODY WEIGHT (KG)
AT = AVERAGING TIME (DAYS)

ENTER INPUT PARAMETERS:

ADULT		YOUTH	
IR:	100	IR:	200
EF:	350	EF:	350
Fi:	1	Fi:	1
ED:	24	ED:	6
BW:	70	BW:	15
AT(CAR):	25550	AT(CAR):	25550
AT(NON):	8760	AT(NON):	2190

DETERMINE CONVERSION FACTORS:

ADULT			YOUTH			ADULT/YOUTH (CANCER RISK)	
CF:	1.37E-06	(AVG ANNUAL DOSE)	CF:	1.28E-05	(AVG ANNUAL DOSE)	CF	1.57E-06

CALCULATE DOSES

CHEMICAL	C (MG/KG)	YOUTH ANNUAL DOSE (MG/KG/DAY)	ADULT ANNUAL DOSE (MG/KG/DAY)	LIFETIME AVERAGE DOSE (MG/KG/DAY)	RFD (MG/KG/DAY)	CSF (KG-DAY/MG)
Arsenic	10.6	1.36E-04	1.45E-05	1.66E-05	3.00E-04	1.80E+00

DETERMINE HAZARD INDICES AND CANCER RISK:

CHEMICAL	HAZARD INDEX YOUTH	HAZARD INDEX ADULT	INCREMENTAL CANCER RISK
Arsenic	4.52E-01	4.84E-02	2.99E-05
TOTAL	4.52E-01	4.84E-02	2.99E-05

Noncarcinogenic and Carcinogenic Risks Associated With Ingestion of Soil at Site ST-227, Kirtland AFB

Site Location	Chemical of Concern	Sample Distribution (No. of Samples)	Concentration (95% UCL) (mg/kg)	Reference Dose (mg/kg/day)	Cancer Slope Factor (kg-day/mg)	Weight of Evidence	Hazard Quotient (a)		Hazard Index (a)	Extra Lifetime Cancer Risk (a)
							Child	Adult		
ST-227	Antimony	Log-Normal (6)	43.967	0.0004		D	1.4	0.2	1.6	

(a) Expressed as one significant figure only.

CACULATION OF REPRESENTATIVE CONCENTRATION FOR NORMAL / LOG-NORMAL DISTRIBUTION

Date: October 27, 1994 Location: ST-227: Holding Tank ST-227 Building 1037

Site: KIRTLAND AFB

Chemical: ANTIMONY

Number of Occurences (n) : 6 Arithmetic mean of data (Xx) = 29.7333

Mean of transformed data = 3.3368

Sample	Sample ID	x_i	$(x_i - x_x)^2$	$\ln x_i$	$(\ln x_i - x_y)^2$
1	KAFB-227-02-0307	20.8000	79.804444	3.034953	0.091117
2	KAFB-227-01-1820	21.1000	74.534444	3.049273	0.082677
3	KAFB-227-02-1820	21.1000	74.534444	3.049273	0.082677
4	KAFB-227-01-0306	28.1000	2.667778	3.335770	0.000001
5	KAFB-227-01-0810	42.4000	160.444444	3.747148	0.168378
6	KAFB-227-02-0812	44.9000	230.027778	3.804438	0.218677
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	Summation:	178.4000	622.013332	20.020855	0.643527

$s_x = \sqrt{\frac{\sum_{i=1}^{n} (x_i - x_x)^2}{n-1}}$ Sx = SQRT(622.013332 / 5) = 11.153594

$s_y = \sqrt{\frac{\sum_{i=1}^{n} (x_i - x_y)^2}{n-1}}$ Sy = SQRT(0.643527 / 5) = 0.358755

$UCL = x_x + t * [s_x / (n)^{1/2}]$

UCL = 29.7333 + 2.015 * [11.1536 / 2.4495] = 38.908507

$UCL = e^{(x_y + s_y^2 / 2 + s_y * H / (n - 1)^{1/2})}$

UCL = e^(3.337 + 0.1287 / 2 + 0.3588 * 2.383 / 2.236) = 43.967673

SHAPIRO AND WILK W TEST FOR GOODNESS OF FIT - PAGE THREE OF THREE

Date: October 27, 1994 Location: ST-227: Holding Tank ST-227 Building 1037

Site: KIRTLAND AFB

Chemical: ANTIMONY

Calculate W : $1 / d \left[\sum_{i=1}^{int(n/2)} a_i (\ln x_{[n-i+1]} - \ln x_i) \right]^2$

Log-Normal Distribution :

i	a_i	$x_{[n-i+1]}$	x_i	$x_{[n-i+1]} - x_i$	$a_i (x_{[n-i+1]} - x_i)$
1	0.6431	3.8044	3.0350	0.7695	0.4949
2	0.2806	3.7471	3.0493	0.6979	0.1958
3	0.0875	3.3358	3.0493	0.2865	0.0251
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			Summation:		0.715800
			Summation^2:		0.512370

(From Page 1) d = 0.6435 (Log-Normal Distribution)

(From table A7, Gilbert, 1989) $W_{0.05}$ = 0.788

$W_{Calc} = 1 / d \left[\sum_{i=1}^{int(n/2)} a_i (x_{[n-i+1]} - x_i) \right]^2 = 0.5124 / 0.6435 = .79619$

$W_{Calc} - W_{Table} = 0.7962 - 0.7880 = 0.0082$

SHAPIRO AND WILK W TEST FOR GOODNESS OF FIT - PAGE TWO OF THREE

Date: October 27, 1994

Location: ST-227: Holding Tank ST-227 Building 1037

Site: KIRTLAND AFB

Chemical: ANTIMONY

Calculate W : $1 / d \left[\sum_{i=1}^{int(n/2)} a_i \left(x_{[n-i+1]} - x_i \right) \right]^2$

Normal Distribution :

i	a_i	$x_{[n-i+1]}$	x_i	$x_{[n-i+1]} - x_i$	$a_i (x_{[n-i+1]} - x_i)$
1	0.6431	44.9000	20.8000	24.1000	15.4987
2	0.2806	42.4000	21.1000	21.3000	5.9768
3	0.0875	28.1000	21.1000	7.0000	0.6125
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Summation: 22.088000

Summation^2: 487.879744

(From Page 1) d = 622.0133 (Normal Distribution)

(From table A7, Gilbert, 1989) $W_{0.05}$ = 0.788

$W_{Calc} = 1 / d \left[\sum_{i=1}^{int(n/2)} a_i \left(x_{[n-i+1]} - x_i \right) \right]^2 = 487.8797 / 622.0133 = 0.784356$

$W_{Calc} - W_{Table} = 0.7844 - 0.7880 = -0.0036$

SHAPIRO AND WILK W TEST FOR GOODNESS OF FIT - PAGE ONE OF THREE

Date: October 27, 1994 Location: ST-227: Holding Tank ST-227 Building 1037

Site: KIRTLAND AFB

Chemical: ANTIMONY

Enter Number of Occurences (n) : 6 (n must be >= 3)

Sample	Sample ID	x_i	x_i^2	ln x_i	(ln x_i)^2
1	KAFB-227-02-0307	20.8000	432.640000	3.034953	9.210940
2	KAFB-227-01-1820	21.1000	445.210000	3.049273	9.298066
3	KAFB-227-02-1820	21.1000	445.210000	3.049273	9.298066
4	KAFB-227-01-0306	28.1000	789.610000	3.335770	11.127359
5	KAFB-227-01-0810	42.4000	1797.760000	3.747148	14.041121
6	KAFB-227-02-0812	44.9000	2016.010000	3.804438	14.473747
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	Summation:	178.4000	5926.440000	20.020855	67.449299

Calculate d: $d = \Sigma x_i^2 - (1 / n) * (\Sigma x_i)^2$ d = 622.0133 (normal distribution)

d = 0.643527 (log-normal distribution)

RISK ASSESSMENT SPREADSHEET - INCIDENTAL INGESTION OF SOIL

SITE NAME: ST-227 Holding Tank, Subsurface Soil
LOCATION: Kirtland AFB
DATE: 10/26/94

HAZARD INDICES AND INCREMENTAL CANCER RISKS ARE CALCULATED BY THIS SPREADSHEET.
EXPOSURES THROUGH PICA INGESTION ARE CONSIDERED.
ASSUMPTIONS ARE OUTLINED BELOW.

EXPOSURE SCENARIO:

RELEVANT EQUATION: $IEX = (C \times IR \times Fi \times EF \times ED)/(BW \times AT \times 1E6)$

WHERE:
C = MEAN CONCENTRATION IN SOIL SAMPLE (MG/KG)
IR = SOIL INGESTION RATE (MG/EVENT)
EF = EXPOSURE FREQUENCY (EVENTS/YEAR)
Fi = FRACTION FROM CONTAMINATED SOURCE
ED = EXPOSURE DURATION (YEARS)
BW = BODY WEIGHT (KG)
AT = AVERAGING TIME (DAYS)

ENTER INPUT PARAMETERS:

ADULT:		YOUTH:	
IR:	100	IR:	200
EF:	350	EF:	350
Fi:	1	Fi:	1
ED:	24	ED:	6
BW:	70	BW:	16
AT(CAR):	25550	AT(CAR):	25550
AT(NON):	8760	AT(NON):	2190

DETERMINE CONVERSION FACTORS:

ADULT:			YOUTH:			ADULT/YOUTH (CANCER RISK):	
CF:	1.37E-06	(AVG ANNUAL DOSE)	CF:	1.28E-05	(AVG ANNUAL DOSE)	CF:	1.57E-06

CALCULATE DOSES:

CHEMICAL	C (MG/KG)	YOUTH ANNUAL DOSE (MG/KG/DAY)	ADULT ANNUAL DOSE (MG/KG/DAY)	LIFETIME AVERAGE DOSE (MG/KG/DAY)	RFD (MG/KG/DAY)	CSF (KG-DAY/MG)
Antimony	43.967	5.62E-04	6.02E-05	6.88E-05	4.00E-04	

DETERMINE HAZARD INDICES AND CANCER RISK:

CHEMICAL	HAZARD INDEX YOUTH	HAZARD INDEX ADULT	INCREMENTAL CANCER RISK
Antimony	1.41E+00	1.51E-01	0.00E+00
TOTAL	**1.41E+00**	**1.51E-01**	**0.00E+00**

Noncarcinogenic and Carcinogenic Risks Associated With Ingestion of Soil at Sites ST-255, 256, 257, and 258, Kirtland AFB

Site Location	Chemical of Concern	Sample Distribution (No. of Samples)	Concentration (95% UCL) (mg/kg)	Reference Dose (mg/kg/day)	Cancer Slope Factor (kg-day/mg)	Weight of Evidence	Hazard Quotient (a)		Hazard Index (a)	Extra Lifetime Cancer Risk (a)
							Child	Adult		
ST-255,256,257,258	Antimony	Log-Normal (16)	23.916	0.0004		D	0.8	0.08	0.9	
ST-255,256,257,258	Manganese	Log-Normal (16)	244.796	0.0050		D	0.6	0.07	0.7	
Total							1.4	0.2	1.6	

(a) Expressed as one significant figure only.

CACULATION OF REPRESENTATIVE CONCENTRATION FOR NORMAL / LOG-NORMAL DISTRIBUTION

Date: October 13, 1994 Location: ST-255, ST-256, ST-257, ST-258 OWS

Site: KIRTLAND AFB

Chemical: MANGANESE

Number of Occurences (n) : 16 Anthmetic mean of data (Xx) = 173.0188 | Mean of transformed data = 4.9825

Sample	Sample ID	x_i	$(x_i - x_x)^2$	ln x_i	$(\ln x_i - x_y)^2$
1	KAFB-255-01-0305	55.5000	13810.656602	4.016383	0.933332
2	KAFB-255-02-0305	67.0000	11239.975352	4.204693	0.604944
3	KAFB-257-02-0305	90.7000	6776.376602	4.507557	0.225546
4	KAFB-257-03-0305	92.1000	6547.844102	4.522875	0.211231
5	KAFB-258-01-0305	95.2000	6055.757852	4.555980	0.181897
6	KAFB-256-02-0305	96.1000	5916.494102	4.565389	0.173960
7	KAFB-258-02-0305	99.2000	5449.207852	4.597138	0.148484
8	KAFB-256-01-0305	124.0000	2402.837852	4.820282	0.026306
9	KAFB-257-02-0810	164.0000	81.337852	5.099866	0.013781
10	KAFB-256-01-0810	174.0000	0.962852	5.159055	0.031181
11	KAFB-255-02-0810	179.0000	35.775352	5.187386	0.041989
12	KAFB-257-03-0810	202.0000	839.912852	5.308268	0.106142
13	KAFB-255-01/99-0812	256.5000	6969.119102	5.547129	0.318835
14	KAFB-256-02-0810	332.0000	25275.037852	5.805135	0.676771
15	KAFB-258-02-0810	339.0000	27549.775352	5.826000	0.711536
16	KAFB-258-01-0810	402.0000	52432.412852	5.996452	1.028151
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	Summation:	2768.3000	171383.484382	79.719588	5.434086

$$s_x = \sqrt{\frac{\sum_{i=1}^{n} (x_i - x_x)^2}{n-1}}$$

Sx = SQRT(171383.484382 / 15) = 106.890437

$$s_y = \sqrt{\frac{\sum_{i=1}^{n} (x_i - x_y)^2}{n-1}}$$

Sy = SQRT(5.434086 / 15) = 0.601891

$UCL = x_x + t * [s_x / (n)^{1/2}]$

UCL = 173.0188 + 1.753 * [106.8904 / 4.0000] = 219.863484

$UCL = e^{(x_y + s_y^2 / 2 + s_y * H / (n-1)^{1/2})}$

UCL = e^(4.982 + 0.3623 / 2 + 0.6019 * 2.167 / 3.873) = 244.796116

SHAPIRO AND WILK W TEST FOR GOODNESS OF FIT - PAGE THREE OF THREE

Date: October 13, 1994 Location: ST-255, ST-256, ST-257, ST-258 OWS

Site: KIRTLAND AFB

Chemical: MANGANESE

Calculate W : $1 / d \left[\sum_{i=1}^{int(n/2)} a_i (\ln x_{[n-i+1]} - \ln x_i) \right]^2$

Log-Normal Distribution :

i	a_i	$x_{[n-i+1]}$	x_i	$x_{[n-i+1]} - x_i$	$a_i (x_{[n-i+1]} - x_i)$
1	0.5036	5.9965	4.0164	1.9801	0.9972
2	0.3290	5.8260	4.2047	1.6213	0.5334
3	0.2521	5.8051	4.5076	1.2976	0.3271
4	0.1939	5.5471	4.5229	1.0243	0.1986
5	0.1447	5.3083	4.5560	0.7523	0.1089
6	0.1005	5.1874	4.5654	0.6220	0.0625
7	0.0593	5.1591	4.5971	0.5619	0.0333
8	0.0196	5.0999	4.8203	0.2796	0.0055
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Summation: 2.266500

Summation^2: 5.137022

(From Page 1) d = 5.4341 (Log-Normal Distribution)

(From table A7, Gilbert, 1989) $W_{0.05}$ = 0.887

$W_{Calc} = 1 / d \left[\sum_{i=1}^{int(n/2)} a_i (x_{[n-i+1]} - x_i) \right]^2 =$ 5.1370 / 5.4341 = .94533

$W_{Calc} - W_{Table} = 0.9453 - 0.8870 = 0.0583$

SHAPIRO AND WILK W TEST FOR GOODNESS OF FIT - PAGE TWO OF THREE

Date: October 13, 1994 Location: ST-255, ST-256, ST-257, ST-258 OWS

Site: KIRTLAND AFB

Chemical: MANGANESE

Calculate W: $1 / d \left[\sum_{i=1}^{int(n/2)} a_i (x_{[n-i+1]} - x_i) \right]^2$

Normal Distribution :

i	a_i	$x_{[n-i+1]}$	x_i	$x_{[n-i+1]} - x_i$	$a_i (x_{[n-i+1]} - x_i)$
1	0.5036	402.0000	55.5000	346.5000	174.4974
2	0.3290	339.0000	67.0000	272.0000	89.4880
3	0.2521	332.0000	90.7000	241.3000	60.8317
4	0.1939	256.5000	92.1000	164.4000	31.8772
5	0.1447	202.0000	95.2000	106.8000	15.4540
6	0.1005	179.0000	96.1000	82.9000	8.3315
7	0.0593	174.0000	99.2000	74.8000	4.4356
8	0.0196	164.0000	124.0000	40.0000	0.7840
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Summation: 385.699400

Summation^2: 148764.027160

(From Page 1) d = 171383.4844 (Normal Distribution)

(From table A7, Gilbert, 1989) $W_{0.05}$ = 0.887

$W_{Calc} = 1 / d \left[\sum_{i=1}^{int(n/2)} a_i (x_{[n-i+1]} - x_i) \right]^2 =$ 148764.0272 / 171383.4844 = 0.868018

$W_{Calc} - W_{Table}$ = 0.8680 - 0.8870 = -0.0190

SHAPIRO AND WILK W TEST FOR GOODNESS OF FIT - PAGE ONE OF THREE

Date: October 13, 1994 Location: ST-255, ST-256, ST-257, ST-258 OWS

Site: KIRTLAND AFB

Chemical: MANGANESE

Enter Number of Occurences (n) : 16 (n must be >= 3)

Sample	Sample ID	x_i	x_i^2	ln x_i	(ln x_i)^2
1	KAFB-255-01-0305	55.5000	3080.250000	4.016383	16.131333
2	KAFB-255-02-0305	67.0000	4489.000000	4.204693	17.679440
3	KAFB-257-02-0305	90.7000	8226.490000	4.507557	20.318073
4	KAFB-257-03-0305	92.1000	8482.410000	4.522875	20.456398
5	KAFB-258-01-0305	95.2000	9063.040000	4.555980	20.756953
6	KAFB-256-02-0305	96.1000	9235.210000	4.565389	20.842780
7	KAFB-258-02-0305	99.2000	9840.640000	4.597138	21.133678
8	KAFB-256-01-0305	124.0000	15376.000000	4.820282	23.235114
9	KAFB-257-02-0810	164.0000	26896.000000	5.099866	26.008638
10	KAFB-256-01-0810	174.0000	30276.000000	5.159055	26.615852
11	KAFB-255-02-0810	179.0000	32041.000000	5.187386	26.908971
12	KAFB-257-03-0810	202.0000	40804.000000	5.308268	28.177706
13	KAFB-255-01/99-0812	256.5000	65792.250000	5.547129	30.770636
14	KAFB-256-02-0810	332.0000	110224.000000	5.805135	33.699592
15	KAFB-258-02-0810	339.0000	114921.000000	5.826000	33.942277
16	KAFB-258-01-0810	402.0000	161604.000000	5.996452	35.957438
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50					
	Summation:	2768.3000	650351.290000	79.719588	402.634879

Calculate d: $d = \sum x_i^2 - (1/n) * (\sum x_i)^2$ d = 171383.4844 (normal distribution

d = 5.434085 (log-normal distribution

CACULATION OF REPRESENTATIV[illegible]NCENTRATION FOR NORMAL / LOG-NORMAL DISTRIBUTION

Date: October 27, 1994 Location: ST-255, ST-256, ST-257, ST-258 OWS

Site: KIRTLAND AFB

Chemical: ANTIMONY

Number of Occurences (n) : 16 Arithmetic mean of data (Xx) = 22.8656

Mean of transformed data = 3.1244

Sample	Sample ID	x_i	$(x_i - x_x)^2$	ln x_i	$(\ln x_i - x_y)^2$
1	KAFB-255-01/99-0812	21.2500	2.610244	3.056357	0.004635
2	KAFB-257-03-0305	21.4000	2.148057	3.063391	0.003727
3	KAFB-255-02-0810	21.6000	1.601807	3.072693	0.002678
4	KAFB-257-03-0810	21.7000	1.358682	3.077312	0.002221
5	KAFB-258-02-0305	21.7000	1.358682	3.077312	0.002221
6	KAFB-257-02-0810	21.8000	1.135557	3.081910	0.001809
7	KAFB-256-01-0810	22.1000	0.586182	3.095578	0.000833
8	KAFB-257-02-0307	22.2000	0.443057	3.100092	0.000593
9	KAFB-255-01-0305	22.3000	0.319932	3.104587	0.000394
10	KAFB-256-02-0305	22.4000	0.216807	3.109061	0.000237
11	KAFB-258-02-0810	22.5000	0.133682	3.113515	0.000119
12	KAFB-258-01-0810	22.9000	0.001182	3.131137	0.000045
13	KAFB-256-02-0810	23.0000	0.018057	3.135494	0.000122
14	KAFB-255-02-0305	23.2000	0.111807	3.144152	0.000389
15	KAFB-256-01-0305	23.2000	0.111807	3.144152	0.000389
16	KAFB-258-01-0305	32.6000	94.758057	3.484312	0.129507
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	Summation:	365.8500	106.913599	49.991055	0.149919

$s_x = \sqrt{\frac{\sum_{i=1}^{n} (x_i - x_x)^2}{n - 1}}$ Sx = SQRT(106.913599 / 15) = 2.669752

$s_y = \sqrt{\frac{\sum_{i=1}^{n} (x_i - x_y)^2}{n - 1}}$ Sy = SQRT(0.149919 / 15) = 0.099973

$UCL = x_x + t * [s_x / (n)^{1/2}]$

UCL = 22.8656 + 1.753 * [2.6698 / 4.0000] = 24.035644

$UCL = e^{(x_y + s_y^2 / 2 + s_y * H / (n - 1)^{1/2})}$

UCL = e^(3.124 + 0.0100 / 2 + 0.1000 * 1.748 / 3.873) = 23.916491

SHAPIRO AND WILK W TEST FOR GOODNESS OF FIT - PAGE THREE OF THREE

Date: October 27, 1994 Location: ST-255, ST-256, ST-257, ST-258 OWS

Site: KIRTLAND AFB

Chemical: ANTIMONY

Calculate W : $1 / d \left[\sum_{i=1}^{Int(n/2)} a_i (\ln x_{[n-i+1]} - \ln x_i) \right]^2$

Log-Normal Distribution :

i	a_i	$x_{[n-i+1]}$	x_i	$x_{[n-i+1]} - x_i$	$a_i (x_{[n-i+1]} - x_i)$
1	0.5036	3.4843	3.0564	0.4280	0.2155
2	0.3290	3.1442	3.0634	0.0808	0.0266
3	0.2521	3.1442	3.0727	0.0715	0.0180
4	0.1939	3.1355	3.0773	0.0582	0.0113
5	0.1447	3.1311	3.0773	0.0538	0.0078
6	0.1005	3.1135	3.0819	0.0316	0.0032
7	0.0593	3.1091	3.0956	0.0135	0.0008
8	0.0196	3.1046	3.1001	0.0045	0.0001
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24					
25					
				Summation:	0.283300
				Summation^2:	0.080259

(From Page 1) d = 0.1499 (Log-Normal Distribution)

(From table A7, Gilbert, 1989) $W_{0.05}$ = 0.887

$W_{Calc} = 1 / d \left[\sum_{i=1}^{Int(n/2)} a_i (x_{[n-i+1]} - x_i) \right]^2 = 0.0803 / 0.1499 = .53532$

$W_{Calc} - W_{Table} = 0.5353 - 0.8870 = -0.3517$

SHAPIRO AND WILK W TEST FOR GOODNESS OF FIT - PAGE TWO OF THREE

Date: October 27, 1994 Location: ST-255, ST-256, ST-257, ST-258 OWS

Site: KIRTLAND AFB

Chemical: ANTIMONY

Calculate W: $1 / d \left[\sum_{i=1}^{Int(n/2)} a_i \left(x_{[n-i+1]} - x_i \right) \right]^2$

Normal Distribution :

i	a_i	$x_{[n-i+1]}$	x_i	$x_{[n-i+1]} - x_i$	$a_i (x_{[n-i+1]} - x_i)$
1	0.5036	32.6000	21.2500	11.3500	5.7159
2	0.3290	23.2000	21.4000	1.8000	0.5922
3	0.2521	23.2000	21.6000	1.6000	0.4034
4	0.1939	23.0000	21.7000	1.3000	0.2521
5	0.1447	22.9000	21.7000	1.2000	0.1736
6	0.1005	22.5000	21.8000	0.7000	0.0704
7	0.0593	22.4000	22.1000	0.3000	0.0178
8	0.0196	22.3000	22.2000	0.1000	0.0020
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25					
				Summation:	7.227400
				Summation^2:	52.235311

(From Page 1) d = 106.9136 (Normal Distribution)

(From table A7, Gilbert, 1989) $W_{0.05}$ = 0.887

$W_{Calc} = 1 / d \left[\sum_{i=1}^{Int(n/2)} a_i \left(x_{[n-i+1]} - x_i \right) \right]^2 = 52.2353 / 106.9136 = 0.488575$

$W_{Calc} - W_{Table} = 0.4886 - 0.8870 = -0.3984$

SHAPIRO AND WILK W TEST FOR GOODNESS OF FIT - PAGE ONE OF THREE

Date: October 27, 1994 Location: ST-255, ST-256, ST-257, ST-258 OWS

Site: KIRTLAND AFB

Chemical: ANTIMONY

Enter Number of Occurences (n) : 16 (n must be >= 3)

Sample	Sample ID	x_i	x_i^2	ln x_i	(ln x_i)^2
1	KAFB-255-01/99-0812	21.2500	451.562500	3.056357	9.341317
2	KAFB-257-03-0305	21.4000	457.960000	3.063391	9.384364
3	KAFB-255-02-0810	21.6000	466.560000	3.072693	9.441444
4	KAFB-257-03-0810	21.7000	470.890000	3.077312	9.469851
5	KAFB-258-02-0305	21.7000	470.890000	3.077312	9.469851
6	KAFB-257-02-0810	21.8000	475.240000	3.081910	9.498169
7	KAFB-256-01-0810	22.1000	488.410000	3.095578	9.582601
8	KAFB-257-02-0307	22.2000	492.840000	3.100092	9.610572
9	KAFB-255-01-0305	22.3000	497.290000	3.104587	9.638458
10	KAFB-256-02-0305	22.4000	501.760000	3.109061	9.666260
11	KAFB-258-02-0810	22.5000	506.250000	3.113515	9.693978
12	KAFB-258-01-0810	22.9000	524.410000	3.131137	9.804018
13	KAFB-256-02-0810	23.0000	529.000000	3.135494	9.831324
14	KAFB-255-02-0305	23.2000	538.240000	3.144152	9.885694
15	KAFB-256-01-0305	23.2000	538.240000	3.144152	9.885694
16	KAFB-258-01-0305	32.6000	1062.760000	3.484312	12.140432
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50					
	Summation:	365.8500	8472.302500	49.991055	156.344027

Calculate d: $d = \sum x_i^2 - (1 / n) * (\sum x_i)^2$ d = 106.9136 (normal distribution)

d = 0.149928 (log-normal distribution)

RISK ASSESSMENT SPREADSHEET - INCIDENTAL INGESTION OF SOIL

SITE NAME: ST-255,ST-256, ST-257, ST-258 OWS, Subsurface Soil
LOCATION: Kirtland AFB
DATE: 10/26/94

HAZARD INDICES AND INCREMENTAL CANCER RISKS ARE CALCULATED BY THIS SPREADSHEET.
EXPOSURES THROUGH PICA INGESTION ARE CONSIDERED.
ASSUMPTIONS ARE OUTLINED BELOW.

EXPOSURE SCENARIO:

RELEVANT EQUATION: IEX = (C x IR x Fi x EF x ED)/(BW x AT x 1E6)

WHERE:
C = MEAN CONCENTRATION IN SOIL SAMPLE (MG/KG)
IR = SOIL INGESTION RATE (MG/EVENT)
EF = EXPOSURE FREQUENCY (EVENTS/YEAR)
Fi = FRACTION FROM CONTAMINATED SOURCE
ED = EXPOSURE DURATION (YEARS)
BW = BODY WEIGHT (KG)
AT = AVERAGING TIME (DAYS)

ENTER INPUT PARAMETERS:

ADULT:		YOUTH:	
IR:	100	IR:	200
EF:	350	EF:	350
Fi:	1	Fi:	1
ED:	24	ED:	6
BW:	70	BW:	15
AT(CAR):	25550	AT(CAR):	25550
AT(NON):	8760	AT(NON):	2190

DETERMINE CONVERSION FACTORS:

ADULT:			YOUTH:			ADULT/YOUTH (CANCER RISK):	
CF:	1.37E-06	(AVG ANNUAL DOSE)	CF:	1.28E-05	(AVG ANNUAL DOSE)	CF:	1.57E-06

CALCULATE DOSES:

CHEMICAL	C (MG/KG)	YOUTH ANNUAL DOSE (MG/KG/DAY)	ADULT ANNUAL DOSE (MG/KG/DAY)	LIFETIME AVERAGE DOSE (MG/KG/DAY)	RFD (MG/KG/DAY)	CSF (KG-DAY/MG)
Antimony	23.916	3.06E-04	3.28E-05	3.74E-05	4.00E-04	
Manganese	244./98	3.13E-03	3.35E-04	3.83E-04	5.00E-03	

DETERMINE HAZARD INDICES AND CANCER RISK:

CHEMICAL	HAZARD INDEX YOUTH	HAZARD INDEX ADULT	INCREMENTAL CANCER RISK
Antimony	7.64E-01	8.19E-02	0.00E+00
Manganese	6.26E-01	6.71E-02	
TOTAL	1.39E+00	1.49E-01	0.00E+00

Noncarcinogenic and Carcinogenic Risks Associated With Ingestion of Soil at ST-271, Kirtland AFB

Site Location	Chemical of Concern	Sample Distribution (No. of Samples)	Concentration (95% UCL) (mg/kg)	Reference Dose (mg/kg/day)	Cancer Slope Factor (kg-day/mg)	Weight of Evidence	Hazard Quotient (a) Child	Hazard Quotient (a) Adult	Hazard Index (a)	Extra Lifetime Cancer Risk (a)
ST-271	Arsenic	Log-Normal (n=3)	45.6 (b)	0.0003	1.8	A	1.90	0.20	2.10	1.0E-04
ST-271	Beryllium	Log-Normal (n=3)	6 (b)	0.0050	4.3	B2	0.02	0.002	0.02	4E-05
Total									2.10	1.4E-04

(a) Expressed as one significant figure only.
(b)The maximum value was used when the sample number was 3

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12/8/94

CACULATION OF REPRESENTATIVE CONCENTRATION FOR NORMAL / LOG-NORMAL DISTRIBUTION

Date: October 27, 1994 Location: ST-271: Neutralization Pit

Site: KIRTLAND AFB

Chemical: BERYLLIUM

Number of Occurences (n) : 3 Arithmetic mean of data (Xx) = 2.6667

Mean of transformed data = 0.5939

Sample	Sample ID	x_i	$(x_i - x_x)^2$	ln x_i	$(\ln x_i - x_y)^2$
1		0.9000	3.121111	-0.105361	0.488970
2		1.1000	2.454444	0.095310	0.248595
3		6.0000	11.111111	1.791759	1.434860
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50					
	Summation:	8.0000	16.686666	1.781708	2.172425

$$s_x = \sqrt{\frac{\sum_{i=1}^{n} (x_i - x_x)^2}{n-1}}$$

Sx = SQRT(16.686666 / 2) = 2.888483

$$s_y = \sqrt{\frac{\sum_{i=1}^{n} (x_i - x_y)^2}{n-1}}$$

Sy = SQRT(2.172425 / 2) = 1.042215

$UCL = x_x + t * [s_x / (n)^{1/2}]$

UCL = 2.6667 + 2.920 * [2.8885 / 1.7321] = 7.536252

$UCL = e^{(x_y + s_y^2 / 2 + s_y * H / (n-1)^{1/2})}$

UCL = e^(0.594 + 1.0862 / 2 + 1.0422 * 13.60 / 1.414) = 70437.213473

SHAPIRO AND WILK W TEST FOR GOODNESS OF FIT - PAGE THREE OF THREE

Date: October 27, 1994 Location: ST-271: Neutralization Pit

Site: KIRTLAND AFB

Chemical: BERYLLIUM

Calculate W : $1 / d \left[\sum_{i=1}^{Int(n/2)} a_i (\ln x_{[n-i+1]} - \ln x_i) \right]^2$

Log-Normal Distribution :

i	a_i	$x_{[n-i+1]}$	x_i	$x_{[n-i+1]} - x_i$	$a_i (x_{[n-i+1]} - x_i)$
1	0.7071	1.7918	-0.1054	1.8971	1.3415
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25					
				Summation:	1.341500
				Summation^2:	1.799622

(From Page 1) d = 2.1724 (Log-Normal Distribution)

(From table A7, Gilbert, 1989) $W_{0.05}$ = 0.767

$W_{Calc} = 1 / d \left[\sum_{i=1}^{Int(n/2)} a_i (x_{[n-i+1]} - x_i) \right]^2 = 1.7996 / 2.1724 = .82839$

$W_{Calc} - W_{Table} = 0.8284 - 0.7670 = 0.0614$

SHAPIRO AND WILK W TEST FOR GOODNESS OF FIT - PAGE TWO OF THREE

Date: October 27, 1994

Location: ST-271: Neutralization Pit

Site: KIRTLAND AFB

Chemical: BERYLLIUM

Calculate W : $1 / d \left[\sum_{i=1}^{int(n/2)} a_i \left(x_{[n-i+1]} - x_i \right) \right]^2$

Normal Distribution :

i	a_i	$x_{[n-i+1]}$	x_i	$x_{[n-i+1]} - x_i$	$a_i (x_{[n-i+1]} - x_i)$
1	0.7071	6.0000	0.9000	5.1000	3.6062
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25					
				Summation:	3.606200
				Summation^2:	13.004678

(From Page 1) d = 16.6867 (Normal Distribution)

(From table A7, Gilbert, 1989) $W_{0.05}$ = 0.767

$W_{Calc} = 1 / d \left[\sum_{i=1}^{int(n/2)} a_i \left(x_{[n-i+1]} - x_i \right) \right]^2 = 13.0047 / 16.6867 = 0.779345$

$W_{Calc} - W_{Table} = 0.7793 - 0.7670 = 0.0123$

SHAPIRO AND WILK W TEST FOR GOODNESS OF FIT - PAGE ONE OF THREE

Date: October 27, 1994 Location: ST-271: Neutralization Pit

Site: KIRTLAND AFB

Chemical: BERYLLIUM

Enter Number of Occurences (n) : 3 (n must be >= 3)

Sample	Sample ID	x_i	x_i^2	ln x_i	(ln x_i)^2
1		0.9000	0.810000	-0.105361	0.011101
2		1.1000	1.210000	0.095310	0.009084
3		6.0000	36.000000	1.791759	3.210402
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50					
	Summation:	8.0000	38.020000	1.781708	3.230587

Calculate d: $d = \sum x_i^2 - (1 / n) * (\sum x_i)^2$ d = 16.6867 (normal distribution)

d = 2.172426 (log-normal distribution)

CACULATION OF REPRESENTATIVE CONCENTRATION FOR NORMAL / LOG-NORMAL DISTRIBUTION

Date: October 27, 1994 Location: ST-271: Neutralization Pit

Site: KIRTLAND AFB

Chemical: ARSENIC

Number of Occurences (n) : 3 Arithmetic mean of data (Xx) = 37.9667

Mean of transformed data = 3.6269

Sample	Sample ID	x_i	$(x_i - x_x)^2$	$\ln x_i$	$(\ln x_i - x_y)^2$
1		33.2000	22.721111	3.502550	0.015460
2		35.1000	8.217778	3.558201	0.004718
3		45.6000	58.267778	3.819908	0.037257
4					
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45					
46					
47					
48					
49					
50					
	Summation:	113.9000	89.206667	10.880659	0.057435

$$s_x = \sqrt{\frac{\sum_{i=1}^{n} (x_i - x_x)^2}{n - 1}}$$

Sx = SQRT(89.206667 / 2) = 6.678573

$$s_y = \sqrt{\frac{\sum_{i=1}^{n} (x_i - x_y)^2}{n - 1}}$$

Sy = SQRT(0.057435 / 2) = 0.169462

$UCL = x_x + t * [s_x / (n)^{1/2}]$

UCL = 37.9667 + 2.920 * [6.6786 / 1.7321] = 49.225824

$UCL = e^{(x_y + s_y^2 / 2 + s_y * H / (n - 1)^{1/2})}$

UCL = e^(3.627 + 0.0287 / 2 + 0.1695 * 3.129 / 1.414) = 55.486257

SHAPIRO AND WILK W TEST FOR GOODNESS OF FIT - PAGE THREE OF THREE

Date: October 27, 1994 Location: ST-271: Neutralization Pit

Site: KIRTLAND AFB

Chemical: ARSENIC

Calculate W : $1 / d \left[\sum_{i=1}^{Int(n/2)} a_i (\ln x_{[n-i+1]} - \ln x_i) \right]^2$

Log-Normal Distribution :

i	a_i	$x_{[n-i+1]}$	x_i	$x_{[n-i+1]} - x_i$	$a_i (x_{[n-i+1]} - x_i)$
1	0.7071	3.8199	3.5026	0.3174	0.2244
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
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22					
23					
24					
25					
				Summation:	0.224400
				Summation^2:	0.050355

(From Page 1) d = 0.0574 (Log-Normal Distribution)

(From table A7, Gilbert, 1989) $W_{0.05}$ = 0.767

$W_{Calc} = 1 / d \left[\sum_{i=1}^{Int(n/2)} a_i (x_{[n-i+1]} - x_i) \right]^2 = 0.0504 / 0.0574 = .87677$

$W_{Calc} - W_{Table} = 0.8768 - 0.7670 = 0.1098$

SHAPIRO AND WILK W TEST FOR GOODNESS OF FIT - PAGE TWO OF THREE

Date: October 27, 1994 Location: ST-271: Neutralization Pit

Site: KIRTLAND AFB

Chemical: ARSENIC

Calculate W : $1 / d \left[\sum_{i=1}^{Int(n/2)} a_i \left(x_{[n-i+1]} - x_i \right) \right]^2$

Normal Distribution :

i	a_i	$x_{[n-i+1]}$	x_i	$x_{[n-i+1]} - x_i$	$a_i (x_{[n-i+1]} - x_i)$
1	0.7071	45.6000	33.2000	12.4000	8.7680
2					
3					
4					
5					
6					
7					
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22					
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24					
25					
				Summation:	8.768000
				Summation^2:	76.877824

(From Page 1) d = 89.2067 (Normal Distribution)

(From table A7, Gilbert, 1989) $W_{0.05}$ = 0.767

$W_{Calc} = 1 / d \left[\sum_{i=1}^{Int(n/2)} a_i \left(x_{[n-i+1]} - x_i \right) \right]^2 = 76.8778 / 89.2067 = 0.861795$

$W_{Calc} - W_{Table} = 0.8618 - 0.7670 = 0.0948$

SHAPIRO AND WILK W TEST FOR GOODNESS OF FIT - PAGE ONE OF THREE

Date: October 27, 1994 Location: ST-271: Neutralization Pit

Site: KIRTLAND AFB

Chemical: ARSENIC

Enter Number of Occurences (n) : 3 (n must be >= 3)

Sample	Sample ID	x_i	x_i^2	ln x_i	$(\ln x_i)^2$
1		33.2000	1102.240000	3.502550	12.267856
2		35.1000	1232.010000	3.558201	12.660795
3		45.6000	2079.360000	3.819908	14.591695
4					
5					
6					
7					
8					
9					
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	Summation:	113.9000	4413.610000	10.880659	39.520346

Calculate d: $d = \sum x_i^2 - (1/n) * (\sum x_i)^2$ d = 89.2067 (normal distribution)

d = 0.057433 (log-normal distribution)

RISK ASSESSMENT SPREADSHEET - INCIDENTAL INGESTION OF SOIL

SITE NAME ST271, Subsurface Soil
LOCATION Kirtland AFB
DATE 12/06/94

HAZARD INDICES AND INCREMENTAL CANCER RISKS ARE CALCULATED BY THIS SPREADSHEET
EXPOSURES THROUGH PICA INGESTION ARE CONSIDERED
ASSUMPTIONS ARE OUTLINED BELOW

EXPOSURE SCENARIO

RELEVANT EQUATIO $IEX = (C \times IR \times F_I \times EF \times ED)/(BW \times AT \times 1E6)$

WHERE:
C = MEAN CONCENTRATION IN SOIL SAMPLE (MG/KG)
IR = SOIL INGESTION RATE (MG/EVENT)
EF = EXPOSURE FREQUENCY (EVENTS/YEAR)
F_I = FRACTION FROM CONTAMINATED SOURCE
ED = EXPOSURE DURATION (YEARS)
BW = BODY WEIGHT (KG)
AT = AVERAGING TIME (DAYS)

ENTER INPUT PARAMETERS

ADULT		YOUTH	
IR	100	IR	200
EF	350	EF	350
F_I	1	F_I	1
ED	24	ED	6
BW	70	BW	15
AT(CAR)	25550	AT(CAR)	25550
AT(NON)	8760	AT(NON)	2190

DETERMINE CONVERSION FACTORS

ADULT:
CF: 1.37E-06 (AVG ANNUAL DOSE)

YOUTH:
CF: 1.28E-05 (AVG ANNUAL DOSE)

ADULT/YOUTH (CANCER RISK):
CF: 1.57E-06

CALCULATE DOSES

CHEMICAL	C (MG/KG)	YOUTH ANNUAL DOSE (MG/KG/DAY)	ADULT ANNUAL DOSE (MG/KG/DAY)	LIFETIME AVERAGE DOSE (MG/KG/DAY)	RFD (MG/KG/DAY)	CSF (KG-DAY/MG)
Arsenic	45.6	5.83E-04	6.25E-05	7.14E-05	3.00E-04	1.80E+00
Beryllium	6	7.67E-05	8.22E-06	9.39E-06	5.00E-03	4.30E+00

DETERMINE HAZARD INDICES AND CANCER RISK

CHEMICAL	HAZARD INDEX YOUTH	HAZARD INDEX ADULT	INCREMENTAL CANCER RISK
Arsenic	1.94E+00	2.08E-01	1.29E-04
Beryllium	1.53E-02	1.64E-03	4.04E-05
TOTAL	1.96E+00	1.64E-03	1.69E-04

Noncarcinogenic and Carcinogenic Risks Associated With Ingestion of Soil at Site WP-47, Kirtland AFB

Site Location	Chemical of Concern	Sample Distribution (No. of Samples)	Concentration (95% UCL) (mg/kg)	Reference Dose (mg/kg/day)	Cancer Slope Factor (kg-day/mg)	Weight of Evidence	Hazard Quotient (a)		Hazard Index (a)	Extra Lifetime Cancer Risk (a)
							Child	Adult		
WP-47	Silver	Log-Normal(5)	412000 (b)	0.0050		D	1000	100	1100	

(a) Expressed as one significant figure only.

(b) When the 95% UCL>maximum concentration of the data set, the maximum value was used.

CACULATION OF REPRESENTATIVE CONCENTRATION FOR NORMAL / LOG-NORMAL DISTRIBUTION

Date: October 04, 94 Location: WP-47 Silver Recovery Units

Site: KIRTLAND AFB

Chemical: SILVER

Number of Occurences (n) : 5 Arithmetic mean of data (Xx) = 131882.7

Mean of transformed data = 8.1992

Sample	Sample ID	x_i	$(x_i - x_x)^2$	$\ln x_i$	$(\ln x_i - x_y)^2$
1		14.8000	17389132501.0	2.694627	30.299989
2		68.5000	17374972776.5	4.226834	15.779450
3		6330.0000	15763470433.1	8.753056	0.306790
4		241000.0000	11906593888.7	12.392552	17.584456
5		412000.0000	78465724168.7	12.928779	22.369205
6					
7					
8					
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11					
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50					
	Summation:	659413.3000	140899893767.9	40.995848	86.339890

$$S_x = \sqrt{\frac{\sum_{i=1}^{n} (x_i - x_x)^2}{n-1}}$$

Sx = SQRT(140899893767.912000 / 4) = 187683.173039

$$S_y = \sqrt{\frac{\sum_{i=1}^{n} (x_i - x_y)^2}{n-1}}$$

Sy = SQRT(86.339890 / 4) = 4.645963

$UCL = x_x + t * [s_x / (n)^{1/2}]$

UCL = 131882.7 + 2.132 * [187683.2 / 2.2361] = 310830.942854

$UCL = e^{(x_y + s_y^2 / 2 + s_y * H / (n-1)^{1/2})}$

UCL = e^(8.199 + 21.5850 / 2 + 4.6460 * 21.55 / 2.000) = .98457802722461E+30

SHAPIRO AND WILK W TEST FOR GOODNESS OF FIT - PAGE THREE OF THREE

Date: October 04, 94 Location: WP-47 Silver Recovery Units

Site: KIRTLAND AFB

Chemical: SILVER

Calculate W : $1 / d \left[\sum_{i=1}^{Int(n/2)} a_i (\ln x_{[n-i+1]} - \ln x_i) \right]^2$

Log-Normal Distribution :

i	a_i	$x_{[n-i+1]}$	x_i	$x_{[n-i+1]} - x_i$	$a_i (x_{[n-i+1]} - x_i)$
1	0.6646	12.9288	2.6946	10.2342	6.8016
2	0.2413	12.3926	4.2268	8.1657	1.9704
3					
4					
5					
6					
7					
8					
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11					
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24					
25					

Summation: 8.772000

Summation^2: 76.947984

(From Page 1) d = 86.3399 (Log-Normal Distribution)

(From table A7, Gilbert, 1989) $W_{0.05}$ = 0.762

$W_{Calc} = 1 / d \left[\sum_{i=1}^{Int(n/2)} a_i (x_{[n-i+1]} - x_i) \right]^2 =$ 76.9480 / 86.3399 = .89122

$W_{Calc} - W_{Table} = 0.8912 - 0.7620 = 0.1292$

SHAPIRO AND WILK W TEST FOR GOODNESS OF FIT - PAGE TWO OF THREE

Date: October 04, 94 Location: WP-47 Silver Recovery Units

Site: KIRTLAND AFB

Chemical: SILVER

Calculate W : $1 / d \left[\sum_{i=1}^{Int(n/2)} a_i (x_{[n-i+1]} - x_i) \right]^2$

Normal Distribution :

i	a_i	$x_{[n-i+1]}$	x_i	$x_{[n-i+1]} - x_i$	$a_i (x_{[n-i+1]} - x_i)$
1	0.6646	412000.0000	14.8000	411985.2000	273805.3639
2	0.2413	241000.0000	68.5000	240931.5000	58136.7710
3					
4					
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7					
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24					
25					
				Summation:	331942.134900
				Summation^2:	110185580921.

(From Page 1) d = 140899893767.9120 (Normal Distribution)

(From table A7, Gilbert, 1989) $W_{0.05}$ = 0.762

$W_{Calc} = 1 / d \left[\sum_{i=1}^{Int(n/2)} a_i (x_{[n-i+1]} - x_i) \right]^2 = 110185580921.9698 / 140899893767.9120$

$W_{Calc} - W_{Table} = 0.7820 - 0.7620 = 0.0200$

SHAPIRO AND WILK W TEST FOR GOODNESS OF FIT - PAGE ONE OF THREE

Date: October 04, 94 Location: WP-47 Silver Recovery Units

Site: KIRTLAND AFB

Chemical: SILVER

Enter Number of Occurences (n): 5 (n must be >= 3)

Sample	Sample ID	x_i	x_i^2	ln x_i	$(\ln x_i)^2$
1		14.8000	219.040000	2.694627	7.261016
2		68.5000	4692.250000	4.226834	17.866124
3		6330.0000	40068900.00000	8.753056	76.615981
4		241000.0000	58081000000.00	12.392552	153.575350
5		412000.0000	169744000000.0	12.928779	167.153317
6					
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49					
50					
	Summation:	659413.3000	227865073811.2	40.995848	422.471788

Calculate d: $d = \sum x_i^2 - (1/n) * (\sum x_i)^2$ d = 140899893767.9120 (normal distribution)

d = 86.339877 (log-normal distribution)

RISK ASSESSMENT SPREADSHEET - INCIDENTAL INGESTION OF SOIL

SITE NAME: WP-47 Sediment
LOCATION: Kirtland AFB
DATE: 10/06/94

HAZARD INDICES AND INCREMENTAL CANCER RISKS ARE CALCULATED BY THIS SPREADSHEET.
EXPOSURES THROUGH PICA INGESTION ARE CONSIDERED.
ASSUMPTIONS ARE OUTLINED BELOW.

EXPOSURE SCENARIO:

RELEVANT EQUATION: $IEX = (C \times IR \times Fi \times EF \times ED)/(BW \times AT \times 1E6)$

WHERE:
C = MEAN CONCENTRATION IN SOIL SAMPLE (MG/KG)
IR = SOIL INGESTION RATE (MG/EVENT)
EF = EXPOSURE FREQUENCY (EVENTS/YEAR)
Fi = FRACTION FROM CONTAMINATED SOURCE
ED = EXPOSURE DURATION (YEARS)
BW = BODY WEIGHT (KG)
AT = AVERAGING TIME (DAYS)

ENTER INPUT PARAMETERS:

ADULT:		YOUTH:	
IR:	100	IR:	200
EF:	350	EF:	350
Fi:	1	Fi:	1
ED:	24	ED:	6
BW:	70	BW:	15
AT(CAR):	25550	AT(CAR):	25550
AT(NON):	8760	AT(NON):	2190

DETERMINE CONVERSION FACTORS:

ADULT:			YOUTH:			ADULT/YOUTH (CANCER RISK):	
CF:	1.37E-06	(AVG ANNUAL DOSE)	CF:	1.28E-05	(AVG ANNUAL DOSE)	CF:	1.57E-06

CALCULATE DOSES:

CHEMICAL	C (MG/KG)	YOUTH ANNUAL DOSE (MG/KG/DAY)	ADULT ANNUAL DOSE (MG/KG/DAY)	LIFETIME AVERAGE DOSE (MG/KG/DAY)	RfD (MG/KG/DAY)	CSF (KG-DAY/MG)
Silver	412000	5.27E+00	5.64E-01	6.45E-01	5.00E-03	

DETERMINE HAZARD INDICES AND CANCER RISK:

CHEMICAL	HAZARD INDEX YOUTH	HAZARD INDEX ADULT	INCREMENTAL CANCER RISK
Silver	1.05E+03	1.13E+02	0.00E+00
TOTAL	**1.05E+03**	**1.13E+02**	**0.00E+00**

Purpose:

To calculate the upper 95% confidence limit on the mean of a set of log-normally distributed data.

Relevant Equation:

$$UCL = e^{\left(X_y + S_y^2/2 + \frac{S_y H}{\sqrt{n-1}} \right)}$$

where: UCL = Representative Concentration
e = Constant, Base of the Natural Log (= 2.718)
X_y = Mean of Transformed Data
S_y = Standard Deviaton of Transformed Data
H = H-Statistic for computing one-sided confidence limit (from Table A12. Gilbert, 1979)
n = Number of Samples

For one sided upper 95% confidence limit $H_{1-\alpha}$ = H0.95, H 0.95= 2.972 n=4

Sample Calculation:

For Antimony in soil samples. n=4, Concentration (mg/kg)

Sample	X_i	$\ln X_i$	$(\ln X_i - X_y)^2$
1	20	2.995	0.0014919
2	20	2.995	0.0014919
3	20	2.995	0.0014919
4	32.6	3.484	0.134275
			Σ0.17903

$$X_y = \frac{12.4715}{4} = 3.1179$$

$$S_y = \sqrt{\frac{\sum_{i=1}^{n} (\ln X_i - X_y)^2}{n-1}} = \sqrt{\frac{0.17903}{3}} = 0.244289$$

$$UCL = e^{(3.118 + 0.5\,(0.2443)^2 + \frac{(0.2443)\ (2.972)}{\sqrt{4-1}})} = e^{(3.567)} = 35.4\ (mg/kg)$$

10/17/94
AUCL.doc

Sample Calculation:

For Cadmium in soil, n = 5 samples, degrees of freedom = n-1

Sample	X_i	$(X_i)^2$
1	0.9	0.81
2	1.0	1.0
3	13.5	182.25
4	15.6	243.36
5	17.4	302.76
$\Sigma =$	48.4	$\Sigma =$ 730.18

$$X_x = \frac{48.4}{5} = 9.6\text{mg}$$

$$S_x = \sqrt{\frac{730.18 - \frac{(48.4)^2}{5}}{5-1}} = 8.088\ \text{mg / kg}$$

$$\text{UCL} = 9.68\ \text{mg / kg} + (2.132)\left[8.088\ \text{mg / kg} \Big/ \sqrt{5}\right] = \underline{\underline{17.4}}\text{mg / kg}$$

Calculation of Representative Concentration For Normal/Log-Normal Distribution

Purpose:

To calculate the upper 95% confidence limit of the arithmetic average of a set of normally distributed data.

Relevant Equations:

$$S_x = \sqrt{\frac{\sum_{i=1}^{n}(X_i - X_x)^2}{(n-1)}} = \sqrt{\frac{\sum_{i=1}^{n}X^2 - \frac{(\sum_{i=1}^{n}X_i)^2}{n}}{(n-1)}}$$

and the upper 95% confidence limit (UCL) of a set of values is calculated by:

$$UCL = X_x + t_{1-\alpha}\left[S_x / \sqrt{n}\right]$$

where: UCL = Representative concentration

X_i = Individual sample value

X_x = Arithmetic average of a set of values = $\frac{\sum_{i=1}^{n}X_i}{n}$

$t_{1-\alpha}$ = One - sided t distribution factor

S_x = Standard deviation

n = Population of a sample set

For 95% confidence limit:

$1-\alpha = 0.95$, $t_{1-\alpha} = 2.132$, $df = 4$ (from Table A2, Gilbert 1979)

df = n - 1

df = 5 - 1 = 4

For Cadmium in Soil Samples:

Sample	X_i (mg/kg)	$\ln X_i$	$(X_i)^2$	$(\ln X_i)^2$
1	0.9	-0.105	0.81	0.011
2	1.0	0	1	0
3	13.5	2.603	182.3	6.774
4	15.6	2.747	243.4	7.547
5	17.4	2.856	302.8	8.159
$\Sigma=$	48.4	8.101	730.31	22.491

$$d = 730.31 - \frac{1}{5}(48.4)^2 = 2.62 \times 10^2 \,(Normal)$$

$$d = 22.491 - \frac{1}{5}(8.101)^2 = 9.37\,(Log - Normal)$$

$$k = \frac{n-1}{2} = \frac{5-1}{2} = 2$$

$$W_{calc} = \frac{1}{2.62 \times 10^2}\left[0.6646(17.4 - 0.9) + 0.2413(15.6 - 1.0)\right]^2 = 0.8013\,(Normal)$$

$$W_{calc} = \frac{1}{9.37}\left[0.6646(2.856 - (-0.105)) + 0.2413 - 0)\right]^2 = 0.7386\,(Lognormal)$$

$W_{0.05} = 0.762$ from Table A7, Gilbert, 1989.

$W_{calc} - W_{table} = 0.8013 - 0.762 = 0.039\,(Normal)$ ∴ Null Hypothesis (Ho) accepted.

$W_{calc} - W_{table} = 0.7386 - 0.762 = -0.023\,(Log - normal)$ ∴ Null Hypothesis rejected.

∴ Data set is normally distributed.

Purpose:

To determine Normal or Log-Normal distribution of a data set by proof of a given null hypothesis.

Relevant Equations:

$$d = \sum_{i=1}^{n} X_i^2 - \frac{1}{n}\left(\sum_{i=1}^{n} X_i\right)^2 \quad .$$

Where d = the denominator of the W - Test statistic

X_i = Individual sample value

n = Number of samples

$k = \frac{n}{2}$, if n is even

$= \frac{n-1}{2}$, if n is odd

$$W = \frac{1}{d}\left[\sum_{i=1}^{k} a_i \left(X_{[n-i+1]} - X_i\right)\right]^2$$

where: W = Calculated W - Test result

a_i = Coefficient for W - Test (found in Table A, Gilbert, 1989).

X_i = Individual sample value

Sample Calculations:

The Null Hypothesis to be tested is:

Ho = The sample population is a Normal/Log-Normal distribution

versus

H_a = The sample population is not a Normal/Log-Normal distribution

$$RfD = \frac{CS \times IR \times CF \times FI \times EF \times ED}{BW \times AT}$$

Solving for CS:

$$CS = \frac{RfD \times BW \times AT}{IR \times CF \times FI \times EF \times ED}$$

For Child Exposure to Chloroform ($RfD = 1 \times 10^{-2}$ mg / kg - day)

$$CS = \frac{(1 \times 10^{-2}\ mg/kg\text{-}day)(16\ kg)(365\ day/yr)(5\ yrs)}{(200\ mg/day)(10^{-6}\ kg/mg)(1.0)(365\ day/yr)(5\ yrs)}$$

CS = 800 mg/kg

- **Carcinogens**

For Adult Exposure to Chloroform (Class B2 Carcinogen. $CSF_{ing} = 6.1 \times 10^{-3}$ kg-day/mg, Incremental Cancer Risk $= 1 \times 10^{-6}$

Solving for CS : $$CS = \frac{(1 \times 10^{-6})(BW)(AT)}{(CSF)(IR)(CF)(FI)(EF)(ED)}$$

$$CS = \frac{(1 \times 10^{-6})(70\ kg)(70\ yrs \times 365\ days/yr)}{(6.1 \times 10^{-3}\ mg/kg\text{-}day)(100\ mg/day)(10^{-6}\ kg/mg)(1.0)(365\ day/yr)(70\ yrs)}$$

CS= 115 mg/kg

References:

(1) Risk Assessment Guidance for Superfund. Volume I. Human Health Evaluation Manual (Part A) - United States Environmental Protection Agency, EPA/540/1-59/002. Washington, D.C. December 1989.

(2) Federal Register. USEPA. Vol 55, No. 145. July 27, 1990.

Action Levels in Soils

Purpose: To calculate action levels for soil ingestion based on EPA Guidance.

Relevant Equations:

$$\text{Intake Dose } (\text{mg / kg - day}) = \frac{CS \times IR \times CF \times FI \times EF \times ED}{BW \times AT}$$

$$\text{Hazard Quotient} = \frac{\text{Intake Dose}}{\text{RfD}}, \quad \text{Incremental Cancer Risk} = (\text{Intake Dose})(CSF)$$

Where:

CS =	Contaminant Concentration in Soil	(mg/kg)
IR =	Ingestion Rate	(mg/day)
CF =	Conversion Factor	(kg/mg)
FI =	Fraction Ingested from Contaminated Source	(unitless)
EF =	Exposure Frequency	(days/yr)
ED =	Exposure Duration	(years)
BW =	Body Weight	(kg)
AT =	Averaging Time	(days)
RfD =	Reference Dose	(mg/kg-day)
CSF =	Cancer Slope Factor	(kg-day/mg)

Assumptions: IR = 200 mg/day - children
100 mg/day - adults

CF = 10^{-6} kg / mg
FI = 1.0
EF = 365 day/year
ED = 70 yrs - adult
5 yrs - children aged 1-6
BW = 70 kg - adult
= 16 kg - child
AT = ED x 365 days/year- noncarcinogens
70 years x 365 days/year - carcinogens

Sample Calculations:

- **Noncarcinogens**

Assume Hazard Quotient (HQ) = 1 for systemic effects:

$$HQ = 1 = \frac{\text{Intake Dose}}{\text{RfD}}, \quad \therefore \text{ Intake Dose} = \text{RfD}$$

PROPOSED ACTION LEVELS FOR CONSTITUENTS OF CONCERN (Organic Compounds)

Kirtland AFB, Albuquerque, New Mexico

Constituent of Concern (1)	CAS No	EPA Weight (2) of Evidence	Proposed (3) Soil Action Level (mg/kg)
A) Organics			
1,1,2,2-Tetrachloroethane	79-34-5	C	35
1,1,2-Trichloroethane	79-00-5	C	123
1,2,4-Trichlorobenzene	120-82-1	D	800
1,2-Dichloroethane	107-06-2	B2	7.69
2-methyl-naphthalene (4)	91-57-6	NA (5)	3200
Acetone	67-64-1	D	8000
Benzene	71-43-2	A	24.1
Benzo(a)pyrene	50-32-8	B2	0.0959
Benzo(b)fluoranthene (6)	205-99-2	B2	0.959
Bromoform	75-25-2	B2	88.6
Bromomethane	74-83-9	D	32
Carbon Disulfide	75-15-0	NA	8000
Chlorobenzene	108-90-7	D	2160
Chloroform	67-66-3	B2	115
Chrysene (6)	218-01-9	B2	9.59
Diethylhexyl phthalate (DEHP)	117-81-7	B2	50
Di-butyl phthalate	84-74-2	D	8000
Ethyl Benzene	100-41-4	D	8000
Fluoranthene	206-44-0	D	3360
Fluorene	86-73-7	D	3360
Fluoride	7782-41-4	NA	4800
Isophorone	78-59-1	C	7368
Methy Ethyl Ketone (MEK)	78-93-3	D	48000
Methylene chloride	75-09-2	B2	93.3
Naphthalene (7)	91-20-3	D	3200
Pentachlorophenol	87-86-5	B2	5.83
Tetrachloroethylene	127-18-4	NA	800
Phenol	108-95-2	D	48000
Pyrene	129-00-0	D	2400
Toluene	108-88-3	D	16000
Trichloroethylene	79-01-6	B2	63.6
Xylene	108-38-3	D	160000
B) Organics (8)			
1,1,1-Trichloroethane	71-55-6	D	NA
1,2-Dichloropropane	78-87-5	NA	NA
Dibenzofuran	132-64-9	D	NA
Methyl Isobutyl Ketone (MIBK)	108-10-1	NA	NA
Phenanthrene	85-01-8	D	NA

(1) Positive detected constituent at Kirtland AFB

(2) All parameters were obtained from the EPA Integrated Risk Information System (IRIS Online Database) 1994, and the Health Effects Assessment Summary Tables (HEAST) developed by the United States Environmental Protection Agency (1992)

Carcinogenic classification

A --Known human carcinogen

B1 B2 --Probable human carcinogen

C --Possible human carcinogen

D --Not classified as a carcinogen

(3) Calculation were based on equations provided in the proposed Action Level (Federal Register, Vol 55, No 145, July 1990)

(4) Naphthalene Action Level may be used.

(5) NA-- not available

(6) TEF--toxicity equivalency factor based on carcinogenicity of benzo(a) pyrene (Supplemental Region VI Risk Assessment Guidance, April 14, 1992)

(7) RfD for Naphthalene was obtained from Superfund Chemical Data Matrix, 9345 1-13, (PB94963501), March 9, 1993

(8) Neither RfD nor CSF is available from IRIS Database or HEAST for the calculation of Soil Action Level

PROPOSED ACTION LEVELS FOR CONSTITUENTS OF CONCERN (Inorganic Compounds)

Kirtland AFB, Albuquerque, New Mexico

Constituent of Concern(1)	CAS No.	EPA Weight (2) of Evidence	Proposed (3) Soil Action Level (mg/kg)
C) Inorganics			
Antimony	7440-36-0	D	32
Arsenic	7440-38-2	A	0 4
Barium	7440-39-3	NA (4)	5600
Beryllium	7440-41-7	B2	0 2
Cadmium	7440-43-9	B1	40
Chromium III	16065-83-1	NA	80000
Chromium VI	18540-29-9	A	400
Cyanide	57-12-5	D	1600
Lead	7439-92-1	B2	400
Manganese	7439-96-5	D	400
Molybdenum	7439-98-7	NA	400
Nickel	7440-02-0	NA	1600
Selenium	7782-49-2	D	400
Silver	7440-22-4	D	400 00
Thallium (acetate)	563-68-8	NA	7 2
Vanadium	7440-62-2	NA	720
Zinc	7440-66-6	D	24000
D) Inorganics (6)			
Aluminum	7429-90-5	D	NA
Calcium	7440-70-2	NA	NA
Cobalt	7440-48-4	NA	NA
Copper	7440-50-8	D	NA
Iron	7439-89-6	NA	NA
Mercury	7439-97-6	D	20
Potassium	7440-09-7	NA	NA

(1) Positive detected constituent at Kirtland AFB

(2) All parameters were obtained from the EPA Integrated Risk Information System (IRIS Online Database) 1994, and the Health Effects Assessment Summary Tables (HEAST) developed by the United States Environmental Protection Agency (1992).

Carcinogenic classification:

A --Known human carcinogen

B1 / B2 --Probable human carcinogen

C --Possible human carcinogen

D --Not classified as a carcinogen

(3) Calculation were based on equations provided in the proposed Action Level (Federal Register, Vol 55, No 145, July 1990)

(4) NA-- not available

(5) The interim directive replaces all previous directives on soil lead cleanup for RCRA programs (EPA/540/F-94/043, August 1994

(6) Neither RfD nor CSF is available from IRIS Database or HEAST for the calculation of Soil Action Level

(7) Action level of vanadium oxide was used

Table 3-6 DOSE-RESPONSE PARAMETERS FOR CONSTITUENT OF CONCERN (Inorganics)
Kirtland AFB, Albuquerque, New Mexico

Constituent	CAS No.	EPA Weight of Evidence	Reference Dose (mg/kg-day)	Cancer Slope Factor (mg/kg/day)-1
Antimony	7440-36-0	D	0.0004	
Arsenic	7440-38-2	A	0.0003	1.8
Beryllium	7440-41-7	B2	0.005	4.3
Chromium VI (Total Chromium)	18540-29-9	A	0.005	
Manganese	7439-96-5	D	0.005	
Silver	7440-22-4	D	0.005	

Reference:
EPA Integrated Risk Information System (IRIS online Database, September, 1994)
Carcinogenic classification:
A --Known human carcinogen
B1 / B2 --Probable human carcinogen
C --Possible human carcinogen
D --Not classified as a carcinogen

Table

EXPOSURE ASSESSMENT - INGESTION OF SOIL

Kirtland AFB, Albuquerque, New Mexico

Input Parameter	Description	Value (1)
C	Exposure Concentration	95% Upper Confidence Limit (UCL)
IR	Ingestion Rate	100 mg/day - Adult residents 200 mg/day - Child residents
EF	Exposure Frequency	350 day/year
BW	Body Weight	70 kg - Adults 15 kg - Children
ED	Exposure Duration	30 years for residents 24 years for adults 6 years for children
AT	Averaging Time	365 days/year x 30 years (noncarcinogen) 365 days/year x 70 years (carcinogen)

(1) Reasonable Maximum Exposure (RME) values were used (EPA Regin VI, April 1992)

Noncarcinogenic and Carcinogenic Risks Associated With Ingestion of Soil at Site ST-230, Kirtland AFB

Site Location	Chemical of Concern	Sample Distribution (No. of Samples)	Concentration (95% UCL) (mg/kg)	Reference Dose (mg/kg/day)	Cancer Slope Factor (kg-day/mg)	Weight of Evidence	Hazard Quotient (a)		Hazard Index (a)	Extra Lifetime Cancer Risk (a)
							Child	Adult		
ST-230	Antimony	Log-Normal (6)	27.187	0.0004		D	0.9	0.09	1	

(a) Expressed as one significant figure only.

RISK ASSESSMENT SPREADSHEET - INCIDENTAL INGESTION OF SOIL

SITE NAME: ST247, Subsurface Soil
LOCATION: Kirtland AFB
DATE: 12/06/94

HAZARD INDICES AND INCREMENTAL CANCER RISKS ARE CALCULATED BY THIS SPREADSHEET.
EXPOSURES THROUGH PICA INGESTION ARE CONSIDERED.
ASSUMPTIONS ARE OUTLINED BELOW.

EXPOSURE SCENARIO:

RELEVANT EQUATION: IEX = (C x IR x Fi x EF x ED)/(BW x AT x 1E6)

WHERE:
C = MEAN CONCENTRATION IN SOIL SAMPLE (MG/KG)
IR = SOIL INGESTION RATE (MG/EVENT)
EF = EXPOSURE FREQUENCY (EVENTS/YEAR)
Fi = FRACTION FROM CONTAMINATED SOURCE
ED = EXPOSURE DURATION (YEARS)
BW = BODY WEIGHT (KG)
AT = AVERAGING TIME (DAYS)

ENTER INPUT PARAMETERS:

ADULT:		YOUTH:	
IR:	100	IR:	200
EF:	350	EF:	350
Fi:	1	Fi:	1
ED:	24	ED:	6
BW:	70	BW:	15
AT(CAR):	25550	AT(CAR):	25550
AT(NON):	8760	AT(NON):	2190

DETERMINE CONVERSION FACTORS:

ADULT:			YOUTH:			ADULT/YOUTH (CANCER RISK):	
CF:	1.37E 06	(AVG ANNUAL DOSE)	CF:	1.28E 05	(AVG ANNUAL DOSE)	CF:	1.57E-06

CALCULATE DOSES:

CHEMICAL	C (MG/KG)	YOUTH ANNUAL DOSE (MG/KG/DAY)	ADULT ANNUAL DOSE (MG/KG/DAY)	LIFETIME AVERAGE DOSE (MG/KG/DAY)	RFD (MG/KG/DAY)	CSF (KG-DAY/MG)
Arsenic	9.214	1.18E-04	1.26E 05	1.44E-05	3.00E-04	1.80E+00

DETERMINE HAZARD INDICES AND CANCER RISK:

CHEMICAL	HAZARD INDEX YOUTH	HAZARD INDEX ADULT	INCREMENTAL CANCER RISK
Arsenic	3.93E-01	4.21E-02	2.60E-05
TOTAL	3.93E-01	4.21E-02	2.60E 05

SHAPIRO AND WILK W TEST FOR GOODNESS OF FIT - PAGE ONE OF THREE

Date: October 27, 1994 Location: ST-247: Oil/Water Separator ST247 Bldg 1051

Site: KIRTLAND AFB

Chemical: ARSENIC

Enter Number of Occurences (n) : 5 (n must be >= 3)

Sample	Sample ID	x_i	x_i^2	ln x_i	(ln x_i)^2
1	KAFB-247-01-0810	6.3000	39.690000	1.840550	3.387623
2	KAFB-247-02-0810	6.6000	43.560000	1.887070	3.561032
3	KAFB-247-01-1820	6.7000	44.890000	1.902108	3.618013
4	KAFB-247-02-0305	7.0000	49.000000	1.945910	3.786566
5	KAFB-247-01-0305	10.3000	106.090000	2.332144	5.438895
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50					
	Summation:	36.9000	283.230000	9.907782	19.792129

Calculate d: $d = \Sigma x_i^2 - (1/n) * (\Sigma x_i)^2$ d = 10.9080 (normal distribution)

d = 0.159300 (log-normal distribution)

Date: October 27, 1994 Location: ST-247: Oil/Water Separator ST247 Bldg 1051

Site: KIRTLAND AFB

Chemical: ARSENIC

Calculate W : $1 / d [\sum_{i=1}^{Int(n/2)} a_i (x_{[n-i+1]} - x_i)]^2$

Normal Distribution : i	a_i	$x_{[n-i+1]}$	x_i	$x_{[n-i+1]} - x_i$	$a_i (x_{[n-i+1]} - x_i)$
1	0.6646	10.3000	6.3000	4.0000	2.6584
2	0.2413	7.0000	6.6000	0.4000	0.0965
3					
4					
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				Summation:	2.754900
				Summation^2:	7.589474

(From Page 1) d = 10.9080 (Normal Distribution)

(From table A7, Gilbert, 1989) $W_{0.05}$ = 0.762

$W_{Calc} = 1 / d [\sum_{i=1}^{Int(n/2)} a_i (x_{[n-i+1]} - x_i)]^2 = 7.5895 / 10.9080 = 0.695771$

$W_{Calc} - W_{Table} = 0.6958 - 0.7620 = -0.0662$

SHAPIRO AND WILK W TEST FOR GOODNESS OF FIT - PAGE THREE OF THREE

Date: October 27, 1994 Location: ST-247: Oil/Water Separator ST247 Bldg 1051

Site: KIRTLAND AFB

Chemical: ARSENIC

Calculate W : $1 / d \left[\sum_{i=1}^{Int(n/2)} a_i (\ln x_{[n-i+1]} - \ln x_i) \right]^2$

Log-Normal Distribution :

i	a_i	$x_{[n-i+1]}$	x_i	$x_{[n-i+1]} - x_i$	$a_i (x_{[n-i+1]} - x_i)$
1	0.6646	2.3321	1.8406	0.4916	0.3267
2	0.2413	1.9459	1.8871	0.0588	0.0142
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				Summation:	0.340900
				Summation^2:	0.116213

(From Page 1) d = 0.1593 (Log-Normal Distribution)

(From table A7, Gilbert, 1989) $W_{0.05}$ = 0.762

$W_{Calc} = 1 / d \left[\sum_{i=1}^{Int(n/2)} a_i (x_{[n-i+1]} - x_i) \right]^2 = 0.1162 / 0.1593 = .72952$

$W_{Calc} - W_{Table} = 0.7295 - 0.7620 = -0.0325$

Date: October 27, 1994 Location: ST-247: Oil/Water Separator ST247 Bldg 1051

Site: KIRTLAND AFB

Chemical: ARSENIC

Number of Occurences (n) : 5 Arithmetic mean of data (Xx) = 7.3800

Mean of transformed data = 1.9816

Sample	Sample ID	x_i	$(x_i - x_x)^2$	$\ln x_i$	$(\ln x_i - x_y)^2$
1	KAFB-247-01-0810	6.3000	1.166400	1.840550	0.019883
2	KAFB-247-02-0810	6.6000	0.608400	1.887070	0.008928
3	KAFB-247-01-1820	6.7000	0.462400	1.902108	0.006312
4	KAFB-247-02-0305	7.0000	0.144400	1.945910	0.001271
5	KAFB-247-01-0305	10.3000	8.526400	2.332144	0.122912
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	Summation:	36.9000	10.908000	9.907782	0.159306

$$s_x = \sqrt{\frac{\sum_{i=1}^{n} (x_i - x_x)^2}{n-1}}$$

Sx = SQRT(10.908000 / 4) = 1.651363

$$s_y = \sqrt{\frac{\sum_{i=1}^{n} (x_i - x_y)^2}{n-1}}$$

Sy = SQRT(0.159306 / 4) = 0.199566

$UCL = x_x + t * [s_x / (n)^{1/2}]$

UCL = 7.3800 + 2.132 * [1.6514 / 2.2361] = 8.954508

$UCL = e^{\wedge}(x_y + s_y^2 / 2 + s_y * H / (n - 1)^{1/2})$

UCL = e^(1.982 + 0.0398 / 2 + 0.1996 * 2.197 / 2.000) = 9.213979

Noncarcinogenic and Carcinogenic Risks Associated With Ingestion of Soil at ST-247, Kirtland AFB

Site Location	Chemical of Concern	Sample Distribution (No. of Samples)	Concentration (95% UCL) (mg/kg)	Reference Dose (mg/kg/day)	Cancer Slope Factor (kg-day/mg)	Weight of Evidence	Hazard Quotient (a)		Hazard Index (a)	Extra Lifetime Cancer Risk (a)
							Child	Adult		
ST-247	Arsenic	Normal (5)	9.214	0.0003	1.8	A	0.4	0.04	0.4	3E-05

(a) Expressed as one significant figure only

RISK ASSESSMENT SPREADSHEET - INCIDENTAL INGESTION OF SOIL

SITE NAME: ST-248 OWS, Subsurface Soil
LOCATION: Kirtland AFB
DATE: 10/28/94

HAZARD INDICES AND INCREMENTAL CANCER RISKS ARE CALCULATED BY THIS SPREADSHEET
EXPOSURES THROUGH PICA INGESTION ARE CONSIDERED.
ASSUMPTIONS ARE OUTLINED BELOW.

EXPOSURE SCENARIO:

RELEVANT EQUATION: $IEX = (C \times IR \times FI \times EF \times ED)/(BW \times AT \times 1E6)$

WHERE:
C = MEAN CONCENTRATION IN SOIL SAMPLE (MG/KG)
IR = SOIL INGESTION RATE (MG/EVENT)
EF = EXPOSURE FREQUENCY (EVENTS/YEAR)
FI = FRACTION FROM CONTAMINATED SOURCE
ED = EXPOSURE DURATION (YEARS)
BW = BODY WEIGHT (KG)
AT = AVERAGING TIME (DAYS)

ENTER INPUT PARAMETERS:

ADULT:		YOUTH:	
IR:	100	IR:	200
EF:	250	EF:	350
FI:	1	FI:	1
ED:	24	ED:	6
BW:	70	BW:	15
AT(CAR):	25550	AT(CAR):	25550
AT(NON):	8760	AT(NON):	2190

DETERMINE CONVERSION FACTORS:

ADULT:			YOUTH:			ADULT/YOUTH (CANCER RISK):	
CF:	1.37E-06	(AVG ANNUAL DOSE)	CF:	1.28E-05	(AVG ANNUAL DOSE)	CF:	1.57E-06

CALCULATE DOSES:

CHEMICAL	C (MG/KG)	YOUTH ANNUAL DOSE (MG/KG/DAY)	ADULT ANNUAL DOSE (MG/KG/DAY)	LIFETIME AVERAGE DOSE (MG/KG/DAY)	RFD (MG/KG/DAY)	CSF (KG-DAY/MG)
Antimony	19000	2.43E-01	2.60E-02	2.97E-02	4.00E-04	

DETERMINE HAZARD INDICES AND CANCER RISK:

CHEMICAL	HAZARD INDEX YOUTH	HAZARD INDEX ADULT	INCREMENTAL CANCER RISK
Antimony	6.07E+02	6.51E+01	0.00E+00
TOTAL	**6.07E+02**	**6.51E+01**	**0.00E+00**

SHAPIRO AND WILK W TEST FOR GOODNESS OF FIT - PAGE ONE OF THREE

Date: October 27, 1994 Location: ST-248: Oil/Water Separator ST-248

Site: KIRTLAND AFB

Chemical: ANTIMONY

Enter Number of Occurences (n): 8 (n must be >= 3)

Sample	Sample ID	x_i	x_i^2	ln x_i	$(\ln x_i)^2$
1	KAFB-248-04-0811	20.5000	420.250000	3.020425	9.122966
2	KAFB-248-04/99-0307	21.7000	470.890000	3.077312	9.469851
3	KAFB-248-02-0305	21.9000	479.610000	3.086487	9.526400
4	KAFB-248-03-0810	22.3000	497.290000	3.104587	9.638458
5	KAFB-248-02-0810	22.6000	510.760000	3.117950	9.721612
6	KAFB-248-05-0810	23.0000	529.000000	3.135494	9.831324
7	KAFB-248-03-0305	24.4000	595.360000	3.194583	10.205361
8	KAFB-248-05-0305	19000.0000	361000000.0000	9.852194	97.065732
9					
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	Summation:	19156.4000	361003503.1600	31.589032	164.581704

Calculate d: $d = \sum x_i^2 - (1 / n) * (\sum x_i)^2$ d = 315132545.5400 (normal distribution)

d = 39.848336 (log-normal distribution)

Date: October 27, 1994 Location: ST-248: Oil/Water Separator ST-248

Site: KIRTLAND AFB

Chemical: ANTIMONY

Calculate W : $1 / d [\sum_{i=1}^{Int(n/2)} a_i (x_{[n-i+1]} - x_i)]^2$

Normal Distribution :

i	a_i	$x_{[n-i+1]}$	x_i	$x_{[n-i+1]} - x_i$	$a_i (x_{[n-i+1]} - x_i)$
1	0.6052	19000.0000	20.5000	18979.5000	11486.3934
2	0.3164	24.4000	21.7000	2.7000	0.8543
3	0.1743	23.0000	21.9000	1.1000	0.1917
4	0.0561	22.6000	22.3000	0.3000	0.0168
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Summation: 11487.456200

Summation^2: 131961649.946

(From Page 1) d = 315132545.5400 (Normal Distribution)

(From table A7, Gilbert, 1989) $W_{0.05}$ = 0.818

$W_{Calc} = 1 / d [\sum_{i=1}^{Int(n/2)} a_i (x_{[n-i+1]} - x_i)]^2 = 131961649.9469 / 315132545.5400 = 0.418750$

$W_{Calc} - W_{Table} = 0.4187 - 0.8180 = -0.3993$

SHAPIRO AND WILK W TEST FOR GOODNESS OF FIT - PAGE THREE OF THREE

Date: October 27, 1994 Location: ST-248: Oil/Water Separator ST-248

Site: KIRTLAND AFB

Chemical: ANTIMONY

Calculate W : $1 / d \left[\sum_{i=1}^{Int(n/2)} a_i (\ln x_{[n-i+1]} - \ln x_i) \right]^2$

Log-Normal Distribution :

i	a_i	$x_{[n-i+1]}$	x_i	$x_{[n-i+1]} - x_i$	$a_i (x_{[n-i+1]} - x_i)$
1	0.6052	9.8522	3.0204	6.8318	4.1346
2	0.3164	3.1946	3.0773	0.1173	0.0371
3	0.1743	3.1355	3.0865	0.0490	0.0085
4	0.0561	3.1180	3.1046	0.0134	0.0007
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				Summation:	4.180900
				Summation^2:	17.479925

(From Page 1) d = 39.8483 (Log-Normal Distribution)

(From table A7, Gilbert, 1989) $W_{0.05}$ = 0.818

$W_{Calc} = 1 / d \left[\sum_{i=1}^{Int(n/2)} a_i (x_{[n-i+1]} - x_i) \right]^2 = 17.4799 / 39.8483 = .43866$

$W_{Calc} - W_{Table} = 0.4387 - 0.8180 = -0.3793$

Date: October 27, 1994 Location: ST-248: Oil/Water Separator ST-248

Site: KIRTLAND AFB

Chemical: ANTIMONY

Number of Occurences (n) : 8 Arithmetic mean of data (Xx) = 2394.550

Mean of transformed data = 3.9486

Sample	Sample ID	x_i	$(x_i - x_x)^2$	$\ln x_i$	$(\ln x_i - x_y)^2$
1	KAFB-248-04-0811	20.5000	5636113.40250	3.020425	0.861563
2	KAFB-248-04/99-0307	21.7000	5630417.12250	3.077312	0.759193
3	KAFB-248-02-0305	21.9000	5629468.02250	3.086487	0.743289
4	KAFB-248-03-0810	22.3000	5627570.06250	3.104587	0.712407
5	KAFB-248-02-0810	22.6000	5626146.80250	3.117950	0.690028
6	KAFB-248-05-0810	23.0000	5624249.40250	3.135494	0.661189
7	KAFB-248-03-0305	24.4000	5617611.02250	3.194583	0.568585
8	KAFB-248-05-0305	19000.0000	275740969.702	9.852194	34.852080
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	Summation:	19156.4000	315132545.5400	31.589032	39.848334

$$s_x = \sqrt{\frac{\sum_{i=1}^{n} (x_i - x_x)^2}{n-1}}$$

Sx = SQRT(315132545.540000 / 7) = 6709.615121

$$s_y = \sqrt{\frac{\sum_{i=1}^{n} (x_i - x_y)^2}{n-1}}$$

Sy = SQRT(39.848334 / 7) = 2.385921

$UCL = x_x + t * [s_x / (n)^{1/2}]$

UCL = 2394.550 + 1.895 * [6709.615 / 2.8284] = 6889.882598

$UCL = e^{(x_y + s_y^2 / 2 + s_y * H / (n - 1)^{1/2})}$

UCL = e^(3.949 + 5.6926 / 2 + 2.3859 * 7.431 / 2.646) = 726635.834708

Noncarcinogenic and Carcinogenic Risks Associated With Ingestion of Soil at Site ST-248, Kirtland AFB

Site Location	Chemical of Concern	Sample Distribution (No. of Samples)	Concentration (95% UCL) (mg/kg)	Reference Dose (mg/kg/day)	Cancer Slope Factor (kg-day/mg)	Weight of Evidence	Hazard Quotient (a)		Hazard Index (a)	Extra Lifetime Cancer Risk (a)
							Child	Adult		
ST-248	Antimony	Normal (8)	19000(b)	0.0004		D	607	65	672	

(a) Expressed as one significant figure only.

(b) When the 95% UCL>maximum concentration of the data set, the maximum value was used.

RISK ASSESSMENT SPREADSHEET - INCIDENTAL INGESTION OF SOIL

SITE NAME: ST-265 OWS Subsurface Soil
LOCATION: Kirtland AFB
DATE: 10/06/94

HAZARD INDICES AND INCREMENTAL CANCER RISKS ARE CALCULATED BY THIS SPREADSHEET.
EXPOSURES THROUGH PICA INGESTION ARE CONSIDERED.
ASSUMPTIONS ARE OUTLINED BELOW.

EXPOSURE SCENARIO:

RELEVANT EQUATION: IEX = (C x IR x Fi x EF x ED)/(BW x AT x 1E6)

WHERE:
C = MEAN CONCENTRATION IN SOIL SAMPLE (MG/KG)
IR = SOIL INGESTION RATE (MG/EVENT)
EF = EXPOSURE FREQUENCY (EVENTS/YEAR)
Fi = FRACTION FROM CONTAMINATED SOURCE
ED = EXPOSURE DURATION (YEARS)
BW = BODY WEIGHT (KG)
AT = AVERAGING TIME (DAYS)

ENTER INPUT PARAMETERS:

ADULT:		YOUTH:	
IR:	100	IR:	200
EF:	350	EF:	350
Fi:	1	Fi:	1
ED:	24	ED:	6
BW:	70	BW:	15
AT(CAR):	25550	AT(CAR):	25550
AT(NON):	8760	AT(NON):	2190

DETERMINE CONVERSION FACTORS:

ADULT:			YOUTH:			ADULT/YOUTH (CANCER RISK):	
CF:	1.37E-06	(AVG ANNUAL DOSE)	CF:	1.28E-05	(AVG ANNUAL DOSE)	CF:	1.57E-06

CALCULATE DOSES:

CHEMICAL	C (MG/KG)	YOUTH ANNUAL DOSE (MG/KG/DAY)	ADULT ANNUAL DOSE (MG/KG/DAY)	LIFETIME AVERAGE DOSE (MG/KG/DAY)	RFD (MG/KG/DAY)	CSF (KG-DAY/MG)
Manganese	584	7.47E-03	8.00E-04	9.14E-04	5.00E-03	

DETERMINE HAZARD INDICES AND CANCER RISK:

CHEMICAL	HAZARD INDEX YOUTH	HAZARD INDEX ADULT	INCREMENTAL CANCER RISK
Manganese	1.49E+00	1.60E-01	0.00E+00
TOTAL	1.49E+00	1.60E-01	0.00E+00

SHAPIRO AND WILK W TEST FOR GOODNESS OF FIT - PAGE ONE OF THREE

Date: October 05, 1994 Location: ST-265 - Oil Water Separators

Site: KIRTLAND AFB

Chemical: MANGANESE

Enter Number of Occurences (n) : 4 (n must be >= 3)

Sample	Sample ID	x_i	x_i^2	ln x_i	(ln x_i)^2
1	KAFB-265-02-0911	335.0000	112225.0000	5.814131	33.804114
2	KAFB-265-02/99-0408	389.5000	151710.2500	5.964864	35.579601
3	KAFB-265-01-0911	470.0000	220900.0000	6.152733	37.856120
4	KAFB-265-01-0406	584.0000	341056.0000	6.369901	40.575639
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	Summation:	1778.5000	825891.250000	24.301629	147.815474

Calculate d: $d = \sum x_i^2 - (1/n) * (\sum x_i)^2$ d = 35125.6875 (normal distribution

d = 0.173181 (log-normal distribution

Date: October 05, 1994 Location: ST-265 - Oil Water Separators

Site: KIRTLAND AFB

Chemical: MANGANESE

Calculate W : $1 / d [\sum_{i=1}^{int(n/2)} a_i (x_{[n-i+1]} - x_i)]^2$

Normal Distribution :

i	a_i	$x_{[n-i+1]}$	x_i	$x_{[n-i+1]} - x_i$	$a_i (x_{[n-i+1]} - x_i)$
1	0.6872	584.0000	335.0000	249.0000	171.1128
2	0.1677	470.0000	389.5000	80.5000	13.4999
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Summation: 184.612700

Summation^2: 34081.849001

(From Page 1) d = 35125.6875 (Normal Distribution)

(From table A7, Gilbert, 1989) $W_{0.05}$ = 0.748

$W_{Calc} = 1 / d [\sum_{i=1}^{int(n/2)} a_i (x_{[n-i+1]} - x_i)]^2 =$ 34081.8490 / 35125.6875 = 0.970283

$W_{Calc} - W_{Table}$ = 0.9703 - 0.7480 = 0.2223

SHAPIRO AND WILK W TEST FOR GOODNESS OF FIT - PAGE THREE OF THREE

Date: October 05, 1994 Location: ST-265 - Oil Water Separators

Site: KIRTLAND AFB

Chemical: MANGANESE

Calculate W : $1 / d \left[\sum_{i=1}^{int(n/2)} a_i (\ln x_{[n-i+1]} - \ln x_i) \right]^2$

Log-Normal Distribution :

i	a_i	$x_{[n-i+1]}$	x_i	$x_{[n-i+1]} - x_i$	$a_i (x_{[n-i+1]} - x_i)$
1	0.6872	6.3699	5.8141	0.5558	0.3819
2	0.1677	6.1527	5.9649	0.1879	0.0315
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				Summation:	0.413400
				Summation^2:	0.170900

(From Page 1) d = 0.1732 (Log-Normal Distribution)

(From table A7, Gilbert, 1989) $W_{0.05}$ = 0.748

$W_{Calc} = 1 / d \left[\sum_{i=1}^{int(n/2)} a_i (x_{[n-i+1]} - x_i) \right]^2 =$ 0.1709 / 0.1732 = .98683

$W_{Calc} - W_{Table}$ = 0.9868 - 0.7480 = 0.2388

Date: October 05, 1994 Location: ST-265 - Oil Water Separators

Site: KIRTLAND AFB

Chemical: MANGANESE

Number of Occurences (n) : 4 Arithmetic mean of data (Xx) = 444.6250

Mean of transformed data = 6.0754

Sample	Sample ID	x_i	$(x_i - x_x)^2$	ln x_i	$(\ln x_i - x_y)^2$
1	KAFB-265-02-0911	335.0000	12017.640625	5.814131	0.068265
2	KAFB-265-02/99-0408	389.5000	3038.765625	5.964864	0.012220
3	KAFB-265-01-0911	470.0000	643.890625	6.152733	0.005979
4	KAFB-265-01-0406	584.0000	19425.390625	6.369901	0.086727
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	Summation:	1778.5000	35125.687500	24.301629	0.173191

$$s_x = \sqrt{\frac{\sum_{i=1}^{n} (x_i - x_x)^2}{n-1}}$$

Sx = SQRT(35125.687500 / 3) = 108.206111

$$s_y = \sqrt{\frac{\sum_{i=1}^{n} (x_i - x_y)^2}{n-1}}$$

Sy = SQRT(0.173191 / 3) = 0.240271

$UCL = x_x + t * [s_x / (n)^{1/2}]$

UCL = 444.6250 + 2.353 * [108.2061 / 2.0000] = 571.929490

$UCL = e^{\wedge}(x_y + s_y^2 / 2 + s_y * H / (n - 1)^{1/2})$

UCL = e^(6.075 + 0.0577 / 2 + 0.2403 * 2.951 / 1.732) = 674.319540

Noncarcinogenic and Carcinogenic Risks Associated With Ingestion of Soil at Site ST-265, Kirtland AFB

Site Location	Chemical of Concern	Sample Distribution (No. of Samples)	Concentration (95% UCL) (mg/kg)	Reference Dose (mg/kg/day)	Cancer Slope Factor (kg-day/mg)	Weight of Evidence	Hazard Quotient (a)		Hazard Index (a)	Extra Lifetime Cancer Risk (a)
							Child	Adult		
ST-265	Manganese	Log-Normal (4)	584(b)	0.0050		D	1.5	0.2	2	

(a) Expressed as one significant figure only.
(b) When the 95% UCL >maximum concentration of the data set, the maximum value is used

RISK ASSESSMENT SPREADSHEET INCIDENTAL INGESTION OF SOIL

SITE NAME: ST-266
LOCATION: Kirtland AFB
DATE: 12/08/94

HAZARD INDICES AND INCREMENTAL CANCER RISKS ARE CALCULATED BY THIS SPREADSHEET.
EXPOSURES THROUGH PICA INGESTION ARE CONSIDERED.
ASSUMPTIONS ARE OUTLINED BELOW.

EXPOSURE SCENARIO:

RELEVANT EQUATION: IEX = (C x IR x Fi x EF x ED)/(BW x AT x 1E6)

WHERE:
C = MEAN CONCENTRATION IN SOIL SAMPLE (MG/KG)
IR = SOIL INGESTION RATE (MG/EVENT)
EF = EXPOSURE FREQUENCY (EVENTS/YEAR)
Fi = FRACTION FROM CONTAMINATED SOURCE
ED = EXPOSURE DURATION (YEARS)
BW = BODY WEIGHT (KG)
AT = AVERAGING TIME (DAYS)

ENTER INPUT PARAMETERS:

ADULT:		YOUTH:	
IR:	100	IR:	200
EF:	350	EF:	350
Fi:	1	Fi:	1
ED:	24	ED:	6
BW:	70	BW:	15
AT(CAR):	25550	AT(CAR):	25550
AT(NON):	8760	AT(NON):	2190

DETERMINE CONVERSION FACTORS

ADULT:
CF: 1.37E-06 (AVG ANNUAL DOSE)

YOUTH:
CF: 1.28E-05 (AVG ANNUAL DOSE)

ADULT/YOUTH (CANCER RISK):
CF: 1.57E-06

CALCULATE DOSES:

CHEMICAL	C (MG/KG)	YOUTH ANNUAL DOSE (MG/KG/DAY)	ADULT ANNUAL DOSE (MG/KG/DAY)	LIFETIME AVERAGE DOSE (MG/KG/DAY)	RFD (MG/KG/DAY)	CSF (KG DAY/MG)
Manganese	322.33	4.12E-03	4.42E-04	5.05E-04	5.00E-03	
Arsenic	4.84	6.19E-05	6.63E-06	7.58E-06	3.00E-04	1.80E+00

DETERMINE HAZARD INDICES AND CANCER RISK:

CHEMICAL	HAZARD INDEX YOUTH	HAZARD INDEX ADULT	INCREMENTAL CANCER RISK
Manganese	8.24E-01	8.83E-02	0.00E+00
Arsenic	2.06E-01	2.21E-02	1.36E-05
TOTAL	1.03E+00	1.10E-01	1.36E-05

SHAPIRO AND WILK W TEST FOR GOODNESS OF FIT - PAGE ONE OF THREE

Date: October 10, 1994 Location: ST-266: Oil/Water Separator Building 57001

Site: KIRTLAND AFB

Chemical: MANGANESE

Enter Number of Occurences (n): 16 (n must be >= 3)

Sample	Sample ID	x_i	x_i^2	ln x_i	(ln x_i)^2
1	KAFB-266-02-0608	86.8000	7534.240000	4.463607	19.923784
2	KAFB-266-05/99-0610	93.4000	8723.560000	4.536891	20.583383
3	KAFB-266-03-0608	99.7000	9940.090000	4.602166	21.179929
4	KAFB-266-04-0608	111.0000	12321.000000	4.709530	22.179675
5	KAFB-266-07-1820	117.5000	13806.250000	4.766438	22.718934
6	KAFB-266-03-2224	118.0000	13924.000000	4.770685	22.759432
7	KAFB-266-05-1618	125.0000	15625.000000	4.828314	23.312614
8	KAFB-266-09-1820	151.0000	22801.000000	5.017280	25.173097
9	KAFB-266-03-1618	155.0000	24025.000000	5.043425	25.436137
10	KAFB-266-08-1820	170.0000	28900.000000	5.135798	26.376426
11	KAFB-266-09-3032	179.0000	32041.000000	5.187386	26.908971
12	KAFB-266-04-1618	196.0000	38416.000000	5.278115	27.858494
13	KAFB-266-07-3032	218.0000	47524.000000	5.384495	28.992787
14	KAFB-266-02-1618	249.0000	62001.000000	5.517453	30.442286
15	KAFB-266-06-3031	304.0000	92416.000000	5.717028	32.684406
16	KAFB-266-06-1820	1510.0000	2280100.000000	7.319865	53.580423
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	Summation:	3883.4000	2710098.140000	82.278476	430.110778

Calculate d: $d = \Sigma x_i^2 - (1/n) * (\Sigma x_i)^2$ d = 1767548.4175 (normal distribution)

d = 7.001552 (log-normal distribution)

Date: October 10, 1994 Location: ST-266: Oil/Water Separator Building 57001

Site: KIRTLAND AFB

Chemical: MANGANESE

Calculate W : $1 / d \left[\sum_{i=1}^{Int(n/2)} a_i \left(x_{[n-i+1]} - x_i \right) \right]^2$

Normal Distribution :

i	a_i	$x_{[n-i+1]}$	x_i	$x_{[n-i+1]} - x_i$	$a_i (x_{[n-i+1]} - x_i)$
1	0.5036	1510.0000	86.8000	1423.2000	**716.7235**
2	0.3290	304.0000	93.4000	210.6000	**69.2874**
3	0.2521	249.0000	99.7000	149.3000	**37.6385**
4	0.1939	218.0000	111.0000	107.0000	**20.7473**
5	0.1447	196.0000	117.5000	78.5000	**11.3590**
6	0.1005	179.0000	118.0000	61.0000	**6.1305**
7	0.0593	170.0000	125.0000	45.0000	**2.6685**
8	0.0196	155.0000	151.0000	4.0000	**0.0784**
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Summation: 864.633100

Summation^2: 747590.397616

(From Page 1) d = 1767548.4175 (Normal Distribution)

(From table A7, Gilbert, 1989) $W_{0.05}$ = 0.887

$W_{Calc} = 1 / d \left[\sum_{i=1}^{Int(n/2)} a_i \left(x_{[n-i+1]} - x_i \right) \right]^2 =$ 747590.3976 / 1767548.4175 = 0.422953

$W_{Calc} - W_{Table}$ = 0.4230 - 0.8870 = -0.4640

SHAPIRO AND WILK W TEST FOR GOODNESS OF FIT - PAGE THREE OF THREE

Date: October 10, 1994 Location: ST-266: Oil/Water Separator Building 57001

Site: KIRTLAND AFB

Chemical: MANGANESE

Calculate W: $1 / d \left[\sum_{i=1}^{Int(n/2)} a_i (\ln x_{[n-i+1]} - \ln x_i) \right]^2$

Log-Normal Distribution :

i	a_i	$x_{[n-i+1]}$	x_i	$x_{[n-i+1]} - x_i$	$a_i (x_{[n-i+1]} - x_i)$
1	0.5036	7.3199	4.4636	2.8563	1.4384
2	0.3290	5.7170	4.5369	1.1801	0.3883
3	0.2521	5.5175	4.6022	0.9153	0.2307
4	0.1939	5.3845	4.7095	0.6750	0.1309
5	0.1447	5.2781	4.7664	0.5117	0.0740
6	0.1005	5.1874	4.7707	0.4167	0.0419
7	0.0593	5.1358	4.8283	0.3075	0.0182
8	0.0196	5.0434	5.0173	0.0261	0.0005
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				Summation:	2.322900
				Summation^2:	5.395864

(From Page 1) d = 7.0016 (Log-Normal Distribution)

(From table A7, Gilbert, 1989) $W_{0.05}$ = 0.887

$W_{Calc} = 1 / d \left[\sum_{i=1}^{Int(n/2)} a_i (x_{[n-i+1]} - x_i) \right]^2 =$ 5.3959 / 7.0016 = .77067

$W_{Calc} - W_{Table}$ = 0.7707 - 0.8870 = -0.1163

Date: October 10, 1994 Location: ST-266: Oil/Water Separator Building 57001

Site: KIRTLAND AFB

Chemical: MANGANESE

Number of Occurences (n) : 16 Arithmetic mean of data (Xx) = 242.7125

Mean of transformed data = 5.1424

Sample	Sample ID	x_i	$(x_i - x_x)^2$	ln x_i	$(\ln x_i - x_y)^2$
1	KAFB-266-02-0608	86.8000	24308.707656	4.463607	0.460766
2	KAFB-266-05/99-0610	93.4000	22294.222656	4.536891	0.366647
3	KAFB-266-03-0608	99.7000	20452.575156	4.602166	0.291858
4	KAFB-266-04-0608	111.0000	17348.182656	4.709530	0.187381
5	KAFB-266-07-1820	117.5000	15678.170156	4.766438	0.141351
6	KAFB-266-03-2224	118.0000	15553.207656	4.770685	0.138176
7	KAFB-266-05-1618	125.0000	13856.232656	4.828314	0.098653
8	KAFB-266-09-1820	151.0000	8411.182656	5.017280	0.015656
9	KAFB-266-03-1618	155.0000	7693.482656	5.043425	0.009797
10	KAFB-266-08-1820	170.0000	5287.107656	5.135798	0.000044
11	KAFB-266-09-3032	179.0000	4059.282656	5.187386	0.002023
12	KAFB-266-04-1618	196.0000	2182.057656	5.278115	0.018417
13	KAFB-266-07-3032	218.0000	610.707656	5.384495	0.058608
14	KAFB-266-02-1618	249.0000	39.532656	5.517453	0.140661
15	KAFB-266-06-3031	304.0000	3756.157656	5.717028	0.330192
16	KAFB-266-06-1820	1510.0000	1606017.60766	7.319865	4.741333
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	Summation:	3883.4000	1767548.417496	82.278476	7.001563

$$s_x = \sqrt{\frac{\sum_{i=1}^{n} (x_i - x_x)^2}{n-1}}$$

Sx = SQRT(1767548.417496 / 15) = 343.273304

$$s_y = \sqrt{\frac{\sum_{i=1}^{n} (x_i - x_y)^2}{n-1}}$$

Sy = SQRT(7.001563 / 15) = 0.683206

$UCL = x_x + t * [s_x / (n)^{1/2}]$

UCL = 242.7125 + 1.753 * [343.2733 / 4.0000] = 393.152025

$UCL = e^{(x_y + s_y^2 / 2 + s_y * H / (n - 1)^{1/2})}$

UCL = e^(5.142 + 0.4668 / 2 + 0.6832 * 2.266 / 3.873) = 322.333085

Noncarcinogenic and Carcinogenic Risks Associated With Ingestion of Soil at Site ST-266, Kirtland AFB

Site Location	Chemical of Concern	Sample Distribution (No. of Samples)	Concentration (95% UCL) (mg/kg)	Reference Dose (mg/kg/day)	Cancer Slope Factor (kg-day/mg)	Weight of Evidence	Hazard Quotient (a) Child	Hazard Quotient (a) Adult	Hazard Index (a)	Extra Lifetime Cancer Risk (a)
ST-266	Arsenic	Log-Normal (9)	4.84	0.0003	1.8	A	0.2	0.02	0.2	1E-05
ST-266	Manganese	Log-Normal (16)	322.33	0.0050		D	0.8	0.09	0.9	
Total									1.1	1E-05

(a) Expressed as one significant figure only.

Appendix I
Correspondence with Federal, State, and Local Government Agencies

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 6
1445 ROSS AVENUE, SUITE 1200
DALLAS, TX 75202-2733

CC: LUCAS
DAVIDSON
DAHL

April 16, 1993

Thomas A Norris, Colonel, USAF
Director
Environmental Management Division
377 ABW/EM
Kirtland AFB, NM 87117-5659

Re: RFI Stage 2B Work Plan Resubmittal
Kirtland Air Force Base
NM9570024423

Dear Colonel Norris:

The Environmental Protection Agency (EPA) has reviewed RCRA Facility Investigation (RFI) Stage 2B Work Plan resubmittal, and have found it to be deficient. You shall have thirty (30) days from receipt of this letter in which to respond to the enclosed deficiencies.

Should you have any questions or comments, please contact Nancy Morlock at (214) 655-6650.

Sincerely,

Juanita Reiter, Acting Chief
RCRA Permits Branch

Enclosure

cc: Benito Garcia, NMED

Printed on Recycled Paper

General Comments:

1. In each paragraph titled "Release Characterization" the detailed sampling procedures should be specified or the location of the sampling information in the report should be referenced. This was a comment on the original work plan and the problem was not corrected in this resubmittal.

2. In addition, a table such as Table 1.8.1.1 Analytical methods and sources (page 32 in the Sampling and Analysis Plan) should be included in the work plan general discussion, or the location of the table cited in text.

3. It would be useful to know the age and construction of all underground storage tanks (ie. steel or fiberglass) and the dates and results of any leak detection tests. Also, is there a program in place to regularly test these tanks? Please specify.

Specific Comments:

Site 16, Radioactive Burial 11
3.4.1.4 Release Characterization, p. 50 -

1. The proposed five continuous 50 foot geologic characterization coreholes do not appear necessary in the initial phase of this investigation. Kirtland may want to drill these coreholes at a later date after initial sampling results are evaluated (Phase II). Could information gathered from the drilled coreholes RB-11-01 and RB-11 be used to characterize near-surface geology?

2. The 36 holes which will be drilled to characterize the trenches should be sampled every 5 feet to the bottom of each trench and then 10 feet below the trench unless field screening indicates contamination. If field screening indicates contamination, a sample should be collected at the point of potential contamination and again every 10 feet until no further contamination is detected. The last sample should be collected 10 feet below the last contamination point. These samples should be analyzed as indicated in the work plan.

3. Describe how these holes will be drilled.

4. The number of background holes could possibly be reduced by Kirtland.

5. A redistribution of the boreholes based upon the length of the trenches may provide better coverage without increasing the number of boreholes. The use of angled boreholes, as proposed in the original workplan, could potentially reduce the number of boreholes

proposed in the January 1993 Stage 2B Workplan.

3.4.2 Silver Recovery Units, p. 52 -

1. Are there any hazardous constituents in the photographic "fixer"? If so, then the analysis should be expanded to include these constituents.

2. The piping which flows to the sanitary sewer should be pressure tested or otherwise examined for potential leaks. Additional sampling may be required if any potential leaks are found.

3.4.3 Sites 23, 24 and 25, Piping Trench St-270, Neutralization Pit St-271, and Evaporation Pond St-273, p. 52 -

1. Kirtland should do a visual inspection of the PVC pipe and concrete trench which leads to the neutralization pit. If any cracks or soil staining are found then a sample should be collected at the surface and three feet below the unit. If possible, the PVC pipe should be pressure tested for leaks. If the visual inspection and the pressure test indicate that no leakage has occurred then the two proposed samples are not necessary. If the samples are needed they should be collected at 3 feet and 8 feet below the base of the unit. Continue sampling at 5 foot intervals until field screening or visual inspection indicates no contamination.

2. Has the neutralization pit ever overflowed? If yes, provide details.

3. For the neutralization pit, a visual inspection of the unit should be made for cracks, and if cracks are found then the proposed samples should be located near these. Rather than sampling 10 feet below the unit take an initial sample 3 feet below the pit. If visual inspection or field screening indicates possible contamination, then continue to sample every 5 feet until no contamination is indicated. Also check the acid line for any leakage, as well as the discharge line to the infiltration pond.

4. Rather than drill four holes into the evaporation pond, take four sludge samples from the bottom of the pond. Ensure that one sample is taken near the point of inflow. Analyze as indicated in the workplan. Based upon the data from the sludge samples additional sampling may be required. Directional boreholes under the pond or adjacent to the pond are preferred over boreholes through the pond should additional sampling be required based on these results.

5. Has the infiltration pond ever been dredged? If yes, provide details.

6. Has Building 617 ever been used for anything other than the AWL/Chemical Laser facility? If so, has the waste stream entering the piping trench (ST-270), netralization pit (ST-271) or evaporation pond (ST-273) ever differed in chemical composition? Provide details.

3.4.4. Site 26, Manzano Fire Training Area FT-14, p. 58-61

1. Kirtland should drill the 20 foot holes before drilling the 100 foot auger holes. For each of the proposed 20 foot holes, a sample should be collected at 5 feet below the base of the unit and then every 5 feet until no contamination is indicated by visual inspection or field screening. The final sample should be collected 5 feet below the last area of potential contamination. Sampling may or may not extend to 20 feet.

2. If sampling from the initial 20 foot holes does not indicate contamination to 20 feet, then the proposed 100 foot auger holes should be drilled as specified above until no contamination is indicated by field screening or visual inspection. If contamination extends below 20 feet, then extend the auger hole sampling on 10 foot intervals until samples are clean.

3. The length of the background hole should be the same as the deepest hole drilled. Sampling should occur on the same intervals as for the deepest hole.

General Comments for Oil/Water Separators:

1. The section on the Potentially Contaminated Media is identical for almost every Oil/Water Separator (OWS). The potential for surface water run-off should be evaluated based upon surface drainage near each unit. If there is no surface drainage then the potential for contamination leaving the base is lessened considerably.

2. Indicate if any of these units will be closing in the next two years.

3. Too many background samples are probably being collected. Kirtland could combine many of these background samples based upon an overall map of the units.

4. The sampling interval chosen (3 and 10 feet below the unit) should be modified to at the base of the unit and then 5 feet below that at 5 foot intervals until no sign of contamination.

5. All discharge points must be determined. For all units with unknown discharge points, Kirtland shall provide a description of how the discharge point will be located.

6. All pipes or lines leading to or from these units should be pressure tested or visually inspected for leakage. If leakage is found a sampling plan should be submitted or samples should be collected as indicated in Comment 4 above.

7. All oil water separators should be visually inspected, where possible, and sampled preferentially in locations of surficial staining, leakage points, or cracks. Where no surface staining, leakage points or cracks are observed, sampling points should be located near the inflow and outflow points and along the sides of the units.

8. For the following oil/water separators, Kirtland may reduce the number of sampling points from four to two, located preferentially near inflow and outflow points, and also based upon a visual inspection:

a. ST-255, ST-256, ST-257, ST-258 p. 61-63
b. ST-201 p. 64
c. ST-203, ST-204 p. 66
d. ST-206 p. 69
e. ST-207, p. 71
f. ST-214 and ST-216 p. 87
g. ST-238 and ST-240 p. 120
h. ST-247, p. 134
i. ST-250, p. 140
j. ST-252 and ST-253, p. 143
k. ST-261, p. 151
l. ST-264, p. 158
m. ST-265, p. 162

Section 3.4.5 Sites 27, 82, 83, 84 and 85, Page 61 (ST-326, 255, 256, 257 and 258) -

For tank ST-326, the number of samples should be reduced to one located near the inflow.

Section 3.4.7 Sites 29, 30, 31 and 32, Page 66 (ST-202, 203, 204 and 205) -

For ST-202 and ST-205, reduce the number of sample points to one located near the outflow or in an area of observed surface staining.

Section 3.4.11 Site 30, Page 76 (ST-209) -

1. Verify that this unit drains to ST-207.

2. Relocate sample points from the corners to the sides of the

units, or as determined by the visual inspection.

Section 3.4.12 Site 37, Page 78 (ST-210) -

Reduce number of sampling points from four to three by eliminating one of the duplicate points between the units. Locate sample points based upon visual inspection.

Section 3.4.13 Sites 38 and 40, Page 81 (ST-211 and ST-213) -

1. According to this section, OWS ST-211 is also known as unit #381-1. This unit is referenced in the July 1, 1992 HGCL letter (Appendix B) and is said to back-up and overflow during precipitation events. The unit was also reported to contain 30" of sediment. This unit should be taken out of service immediately and repaired or permanently closed.

2. The four sampling points surrounding OWS ST-211 should be positioned at the inflow and outflow points and along the sides of the unit, or where surface staining is observed. Additional sampling points should be installed as needed to define the extent of any contamination surrounding this unit.

3. Increase the number of sampling points surrounding drain ST-213 from three to four. Position two sampling points on the west side of the unit, and two sampling points on the east side of the unit. Ensure that one sampling point is located near the discharge to unit ST-211.

Section 3.4.14 Site 39, Page 83 (ST-212) -

Reduce number of sampling points from three to two by eliminating the point near the guard posts.

Section 3.4.15 Sites 41, 42 and 43, Page 86 (ST-214, 215 and 216)

Is the separator with the broken bottom still in use? This unit needs to be taken out of service immediately and repaired or permanently closed. Since this appears to have been an on-going problem, additional sampling may be required to define the extent of any release from the unit.

Section 3.4.16 Site 44, Page 91 (ST-217) -

Reduce number of sampling points from three to two. Position sampling points near inflow and outflow of unit, or where surficial staining is noted.

Section 3.4.17 Site 45, Page 92 (ST-218) -

Reduce number of sampling points from three to two. Position sampling points near inflow and outflow of unit, or where surficial staining is noted.

Section 3.4.18 Site 46, Page 94 (ST-219) - 482 - 481 - Between Hangars

1. This unit needs to be repaired or taken out of service.

2. Relocate sampling points to one each near inflow and outflow of unit, and one along cracks on north wall of separator and the last on the opposite side. Continue sampling until the depth of contamination is defined.

Section 3.14.19 Site 47, Page 96 (ST-220) - 100' inside

1. Locate one of the four sampling points near the corroded drain pipe.

2. Kirtland should ensure that this unit is taken out of use and does not receive any flow (intentional or unintentional).

Section 3.4.20 Site 48, Page 99 (ST-221) -

Ensure that samples are collected near the inflow and outflow of the unit.

Section 3.4.21 Sites 49, 50, 51 and 52, Page 102 (ST-222, 223, 224 and 225) -

1. Relocate the sampling point from the east side of ST-222 south to the discharge point to unit ST-225. Locate the sample point on the west side ST-225 next to the inflow point.

2. Does ST-223 discharge to the sewer system? Sample the discharge point from ST-223.

3. Determine total depth and capacity of tank ST-225. Is ST-225 a concrete, fiberglass or steel tank?

Section 3.4.22 Sites 53 and 54, Page 105 (ST-226 and ST-227) -

1. Reduce number of sampling points around tank ST-227 from four to two. Locate the two sampling points on opposite ends of the tank, with one point being located adjacent to the tank inflow.

2. Relocate the four samples surrounding ST-226 so that they are on the sides of the unit, and not at the corners. Locate one of the sampling points at the inflow of the unit, and another at the outflow of the unit.

Section 3.4.23 Site 55, Page 107 (ST-228) -

Reduce the number of sampling points from two to one. Locate this sampling point based on the visual inspection.

Section 3.4.24 Site 56, Page 110 (ST-229) -

1. Determine inflow source for the unit and the discharge point.

2. Determine unit dimensions.

3. Locate sampling points closer to unit. Ensure that one sample is located near the discharge point.

Section 3.4.25 Sites 57, 58 and 59, Page 112 (ST-230, 231 and 232)

1. Provide additional information concerning the material of construction for oil/water separator ST-230, ie. plastic or fiberglass?

2. Eliminate two of the four sampling points located between ejector unit ST-232 and tank ST-231.

3. Locate the sampling points surrounding ST-230 near the unit inflow and outflow.

Section 3.4.26 Site 60, Page 114 (ST-233) -

Describe how the surface soil sample will be collected.

Section 3.4.27 Sites 61, 62, 63 and 64, Page 116 (ST-234, 235, 236 and 237) -

1. Position the four sampling points around OWS ST-234 along the sides of the unit, rather than at the corners. Locate two of these sampling points near the unit inflow and outflow.

2. Reduce the number of sampling points around OWS ST-235 from three to two. Locate these points near the unit inflow and outflow.

3. OWS ST-236 should be taken out of service immediately and either repaired or permanently closed. The number of sampling points around OWS ST-236 should be increased from two to a minimum of four. Locate two of these points near the unit inflow and outflow, and the remaining two on the remaining sides of the unit, or where surface straining is observed. Continue sampling until the extent and depth of contamination has been determined.

4. Locate the two sampling points around drain ST-237 near the unit inflow and outflow.

Section 3.4.28 Sites 65, 66 and 67, Page 120 (ST-238, 239 and 240)

Reduce number of sampling points around OWS ST-239 from two to one. Locate this sampling point near the inflow or outflow point, or where surface staining is noted. Determine the discharge point for this unit.

Section 3.4.30 Sites 69 and 70, Page 126 (ST-242 and ST-243) -

Reduce the number of sampling points surrounding these two units from eight to seven. Position the sampling points at the midpoint of each side of the units, with one sampling point located between the units.

Section 3.4.31 Sites 71 and 72, Page 128 (ST-244 and ST-245) -

1. Position the four sampling points surrounding OWS ST-244 along the sides of the unit, rather than at the corners. Determine inflow source and discharge point for this unit.

2. Reduce the number of sampling points surrounding tank ST-245 from two to one. Position this sampling point at the midpoint of the west side of the unit, or where surface staining is noted. Determine the burial depth and dimensions of the tank.

Section 3.4.32 Site 73, Page 131 (ST-246) -

1. Did all fluids leaving the OWS discharge to the 2,000 gallon holding tank? Provide additional details.

2. Determine the inflow source to this unit.

Section 3.4.34 Sites 75 and 76, Page 136 (ST-248 and ST-249) -

1. What is the source of the inflow to OWS ST-248? Also, determine the discharge point for this unit.

2. Locate the four samples surrounding OWS ST-248 along the sides of the unit, rather than at the corners.

3. Determine the burial depth of tank ST-249. Is the tank constructed of steel or fiberglass?

4. What is the source of inflow to tank ST-249?

5. Position the four sampling points surrounding tank ST-249 at the sides of the unit, rather than at the corners.

Section 3.4.36 Site 78, Page 141 (ST-251) -

1. Explain the purpose of the concrete pad with the four inch brass plug shown in Figure 3.4.36.1.

2. Position the three sampling points near the inflow and outflow of the unit, and at any area where surface staining is observed.

Section 3.4.38 Site 81, Page 146 (ST-254) -

Position the four sampling points along the sides of this unit, rather than at the corners.

Section 3.4.39 Sites 86 and 87, Page 148 (ST-259 and ST-260) -

1. OWS ST-259 should be taken out of service immediately and cleaned. Position the four sampling points at the unit inflow and outflow, and where any surface staining is noted.

2. Position the four sampling points surrounding OWS ST-260 at the unit inflow and outflow points, or where surface staining is noted. Determine the discharge point for this unit.

Section 3.4.41 Site 89, Page 153 (ST-262) -

1. Visually inspect the drain feeding OWS ST-262 for cracks, leaks or staining. If cracks, leaks or staining are observed, additional sampling points should be installed.

2. Locate one of the four sampling points at the inflow to the unit. Locate the remaining three sampling points along the sides of the unit, or in areas of surface staining.

Section 3.4.42 Site 90, Page 156 (ST-263) -

1. Determine the discharge point for each of the two units.

2. Reduce the number of sampling points at each unit from four to three. Position the sampling points along the north, east and south sides of the units, or where surface staining is observed.

Section 3.4.45 Site 93, Page 165 (ST-266) -

1. Position the four sampling points near the inflow and outflow to the unit, and along the remaining sides of the units (rather than at the corners of the unit).

2. Determine the depth of the unit and the discharge point.

Section 3.4.46 Site 94, Page 168 (ST-267) -

1. Position the four sampling points near the inflow and outflow to the unit, and along the remaining sides of the units (rather than at the corners of the unit).

2. Determine the depth of the unit and the discharge point.

Editorial Comment

The workplan does not highlight each section of the report so that they stand out (visually) on each page. Also, it would be helpful to include tabs in the report so that different sections can be located quickly. This comment is for future use only and the workplan does not need to be revised for these reasons.

INSTALLATION RESTORATION PROGRAM
STAGE 2B

WORK PLAN
RESPONSES

Kirtland Air Force Base, New Mexico 87117-5000

Headquarters Air Mobility Command
(HQ AMC/DEV)
Scott Air Force Base, Illinois 62225-5001

May 1993

PREPARED BY

U.S. Geological Survey, Water Resources Division
(USGS-WRD)
4501 Indian School Rd. NE, Suite 200
Albuquerque, New Mexico 87110

USAF CONTRACT NO. AFCEE 91-02

IRP PROGRAM OFFICE (AFCEE/ESR)

Jo Jean Mullen, Technical Project Manager

Air Force Center for Environmental Excellence
Environmental Services Office
Environmental Restoration Division (AFCEE/ESR)
BROOKS AIR FORCE BASE, TEXAS 78235-5000

Atch-1

General Comments:

1. Sampling procedures in the work plan, section 3.2 and SAP, section 3.0 are hereby cited and will be cited in future revisions of the work plan.

2. Table 1.8.1.1 of the SAP is hereby cited and will be cited in future revisions of the work plan.

3. Of the ten units termed "tanks" in the text, one is stainless steel (ST-326), one is a concrete pipe (ST-210), two are steel (ST-245 and ST-246), three are of an unspecified "metal" (ST-227, ST-231, and ST-240), and three are of unknown material (ST-214, ST-225, and ST-249). The age and construction of tanks will be determined or verified by means of mechanical drawings, records, and visual inspection. Construction material and any leak-test results will be documented. Underground storage tanks are leak tested under the UST program. The following tanks have passed a leak test: ST-214, ST-227, ST-225, ST-240, ST-246, ST-326

Specific Comments on Sites 16, and 22-26:

Site 16, Radioactive Burial 11

3.4.1.4 Release Characterization, p. 50

1. We need the additional lithologic information initially. The driven holes produce no cuttings, which is why they are useful for possibly-contaminated mixed-waste areas, but, for the same reason, they will not yield a cuttings log of materials penetrated. Furthermore, the driven holes produce no electronic data.

2. The driven holes are intended to determine if possible contaminants have migrated from the trenches. The 36 driven holes will be located surrounding and between the trenches. Soil samples will be collected at 5, 10, 15, and 25 feet if field screening indicates no contamination on the push rod or in any of the samples. The sampling rod will be screened as it is withdrawn from the hole, and the sample itself will be screened as it is removed from the sample tube. If field screening indicates contamination at any depth, additional samples will be collected at 10-foot intervals until field screening indicates no contamination in the sample collected from the deepest point. This implies a minimum of 144 samples plus surface samples (6) and background samples (reduced to 4).

3. See #1 under general comments above concerning driven holes.

4. Will reduce number of background holes to two of the locations shown in figure 3.4.1.1, one to the east to determine possible effects of up-slope mercury spill site, and one to the west which should be clean.

5. Proposed driven holes between the trenches will be redistributed proportional to the lengths of the trenches. However, field reconnaissance seems to indicate fewer than 10 trenches, thus the proposed locations are hypothetical at this time. If ground-penetrating radar indicates fewer than 10 trenches, the number of driven holes may be reduced after consultation and concur-

rence with EPA, particularly if more than 4 samples per hole are required. The "angled holes" probably refers to the Sandia Lab demonstration project which is in progress. The Sandia project, demonstrating new techniques, does not necessarily use EPA-approved methods (see end of section 3.2.2.3).

3.4.2 Silver Recovery Units, p. 52

1. The safety data sheets have been obtained for the fixer which is used for the black and white developing process. These attached sheets show that the fixer contains no hazardous constituents (atch-1). The only concern is silver which is removed from the photographic paper by the fixer during the development process.

2. The sewer lines, including the sanitary lines in the building and the hookup to the manhole will be checked for possible leaks at the time of executing Appendix III studies. A determination that a leak has occurred will trigger a sampling plan.

3.4.3 Sites 23, 24 and 25, piping Trench St-270, Neutralization Pit St-271, and Evaporation Pond St-273, p. 52 -

1. A visual inspection occurred last summer. (Ralph Wilcox, USGS), at which time there was no visible deterioration of pipe, and tadpoles were swimming in the water standing in the Piping Trench. Further inspection will include draining any rainwater from the trench and inspecting it, and pressure-testing the PVC pipe before soil sampling begins. Because the pipe and piping trench appeared to be in good working order in 1992, no soil sampling is foreseen at site 23.

2. No, the neutralization pit has never overflowed.

3. The neutralization pit will be drained and checked for cracks. Sampling locations will be selected near cracks or any visible deterioration of the pit, or near piping connections. Sampling depths will be 3 feet below the bottom elevation of the pit and, if visual inspection or field screening indicates possible contamination, a second sample will be collected at 8 feet below the bottom of the pit and deeper at five-foot intervals until field screening indicates no more contamination. (Assume 4 samples for budgeting purposes.)

4. Four pond sediment samples will be taken from the Evaporation/Infiltration pond. (No sludge is expected as no sludge-forming material is present.) One sample will be taken from a location near the point of inflow. If contamination is present in pond sediment, then additional samples will be collected from locations adjacent to the pond at elevations below the bottom of the pond. (Assume 4 samples for budgeting purposes.)

5. No, the pond has never been dredged.

6 No, this facility has never been used for anything else and the waste stream has always been the same.

3.4.4. Site 26, Manzano Fire Training Area FT-14, p. 58-61

1 The 20 foot holes will be driven prior to drilling the 100-foot holes with a power auger. If field screening indicates no contamination below 20 feet, then the 100-foot holes will be replaced by two additional 20 foot holes, thus avoiding mobilization of the auger rig. Samples from the 20-foot holes will be at the land surface, at 5-foot intervals until field screening indicates no contamination in the deepest sample. (Assume 45 samples for budgeting purposes.)

2. If field screening indicates possible contamination at 20 feet, then the 100-foot holes will be augered. Samples from the 100-foot holes, if augered, will be collected from the land surface and at depths of 20, 30 and every 10 feet until field screening indicates no contamination. (Assume 10 samples for budgeting purposes.)

3. The background hole has already been drilled and sampled under stage 2A. Geologic conditions are such that any layering that might exist could be steeply dipping, not necessarily following the land surface. Thus the correlation of samples from exactly equal depths may be of dubious value.

General Comments for Oil/Water Separators:

1. Although the possibility of surface-water discharge exists given a rare precipitation event, this has not been a problem. Any such event would require such a large volume of runoff that discharges from a given oil/water separator would be extremely dilute. The quality of surface-water discharges have been monitored through the NPDES program, and have not exceeded regulatory requirements. However, potential for surface-water runoff will be further evaluated on a site-by-site basis. This will include a qualitative evaluation of the potential for flooding to cause oil to rise to the land surface given the construction of each unit.

2 There are no plans to close any units except those EPA has ordered closed.

3 To reduce the number of background samples, the background holes proposed in the text were plotted on the enclosed maps (highlighted in green) and sites were grouped to yield a more even areal distribution of holes. Thus, where sites are close together, there will be more sites per background hole than where sites are farther apart. Ten background holes will be driven on the western part of the industrial area north of the main east/west runway and ten will be driven on the eastern part of that area. Where a choice is to be made between two holes to be deleted, the one deleted will be the one that appears to be in the less pristine area on the basis of field observation. In each of the following groups, one of the two background holes will be deleted (atch.-2):

Sites 29, 30, 31, 32, 33, 34, 35, and 36 (ST-202, -203, -204, -205, -206, -207, -208, and -209, background hole locations shown in figures 3.4.7.1 and 3.4.8.1);
Sites 37, 38, 39, and 40 (ST-210, -211, -212, and -213 background hole locations shown in figures 3.4.12.1 and 3.4.13.1);
Sites 41, 42, 43, and 45 (ST-214, -215, -216, and -218 background hole locations shown in figures 3.4.15.1 and 3.4.17.1);
Sites 44 and 46 (ST-217 and -219 background hole locations shown in figures 3.4.16.1 and

3.4.18.1);
Sites 55, 61, 62, 63, 64, 68, 74 (ST-228, -234, -235, -236, -237, -241, and -247 background hole locations shown in figures 3.4.27.1 and 3.4.29.1);
Sites 65, 66, 67, 71, and 72 (ST-238, -239, -240, 244, and -245 background hole locations shown in figures 3.4.28.1 and 3.4.31.1);
Sites 77, 78, 79 and 80 (ST-250, -251, -252, and -253 background hole locations shown in figures 3.4.36.1 and 3.4.37.1).

In addition, one of two background holes planned for the "Manzano Base" area will be deleted (Sites 91 and 92, which are ST-264 and ST-265, shown in figures 3.4.43.1 and 3.4.44.1).

In summary, the total number of background holes proposed for the oil/water separators, area drains, tanks, and sewage ejector units will have been reduced from 30 to 22. The main reductions will be along the northeast-southwest ramp, on map sheet 3 (enclosed) where eight locations will be reduced to four, and the cluster on the lower left corner of map sheet 4 will be reduced from five locations to three.

Some of the background holes may be moved to more accessible or more pristine locations (if these holes are not deleted). The new locations, are shown on the enclosed maps highlighted in blue (utch-2).

4 The sampling intervals at oil/water separators will be at the bottom elevation of the unit, and at 5 feet below the bottom of the unit, and at 5-foot intervals below that until field screening indicates no contamination in the sample from the deepest point. Thus the minimum number of samples at each driven hole will be two.

5 All unknown discharge destinations will be determined as already stated in sections entitled "Release Characterization". The determination of discharge destinations will include: a) ask on-site personnel, b) review mechanical drawings, c) probe with sewer snake to the nearest manhole, d) trace with liquid dye or gaseous tracers.

6. All pipes or lines leading to or from oil/water separators, area drains, tanks, or sewage ejector units will be sketched showing sources, destinations; and if possible, materials, dimensions, and alignments will be reported. The actual checking for leakage will be deferred to the time of executing Appendix III studies. At that time, any leaks will trigger proposals to sample soils for contamination at the leakage points.

7 All oil/water separators will be visually inspected, where possible, and sampled preferentially in locations of surficial staining, leakage points, or cracks. Where no such indications are observed, sampling points will be located at the inflow and outflow points, and along the sides of the units.

8 At the following units, sampling locations will be reduced from four to two, located preferentially near inflow and outflow points, unless additional samples are indicated by visual inspection:

ST-255, ST-256, ST-257, and ST-258

ST-201
ST-203 and ST-204
ST-206
ST-207
ST-214 and ST-216
ST-238 and ST-240
ST-247
ST-250
ST-252 and ST-253
ST-261
ST-264
ST-265.

Specific comments on oil/water separators, etc.

Section 3.4.5

Sampling locations will be reduced to one near inflow of ST-326.

Section 3.4.7

Will reduce sampling locations to one near outflow of each of ST-202 and ST-205 or to location(s) of cracks or surface staining.

Section 3.4.11

1. Will verify that ST-209 drains to ST-207 with dye.

2. Will relocate sampling locations from corners to sides of units, or as determined by inspection.

Section 3.4.12

Will reduce number of sampling locations from four to three and determine on the basis of visual inspection.

Section 3.4.13

1. ST-211/ST-213 has been maintained regularly and the fact that it is now in good working order will be verified.

2. The four sampling locations will be at inflow and outflow points, and along the sides of this unit. Additional locations may be determined on the basis of visual inspection and field screening.

3. The number of sampling locations at ST-213 will be increased from three to four, two on

each side of the unit, with one near the outflow point.

Section 3.4.14

Samples will be collected only at the two locations near the inflow and outflow points.

Section 3.4.15

Kirtland AFB will verify that appropriate repairs have been made to ST-215, or take it out of service immediately. Additional sampling may be needed on the basis of field inspection and screening to define the extent of release from this unit.

Section 3.4.16

Reduce the number of sampling locations at ST-217 from three to two near inflow and outflow points or where surficial staining is noted.

Section 3.4.17

Reduce the number of sampling locations at ST-218 from three to two near inflow and outflow points or where surficial staining is noted.

Section 3.4.18

1. ST-219 will be repaired or taken out of service.
2. Sampling locations will be at inflow and outflow, along cracked wall of separator, and on opposite side. Samples will be collected from the bottom elevation of the unit and at 5-foot intervals below that until field screening indicates no contamination.

Section 3.14.19

One of the sampling locations at ST-220 will be near the corroded drain pipe. Kirtland will verify that this unit can not be used.

Section 3.4.20

One sample will be collected near each inflow and outflow point at ST-221, other sample locations will be distributed along the perimeter on the basis of visual inspection.

Section 3.4.21

1. Tank ST-225 has no discharge pipe. Oil is pumped out periodically. One of the sampling locations will be near the inflow point.
2. Will verify that sewage ejector unit ST-223 discharges to the sanitary sewer. One of the sampling locations will be near the discharge point of ST223.
3. The capacity, depth, and material of tank ST-225 will be determined.

Section 3.4.22

1. Will reduce the number of sampling locations at tank ST-227 from four to two, one of which will at the inflow point.
2. Sampling locations at ST-226 will be at the inflow and outflow points, and along the sides of the unit, not at the corners.

Section 3.4.23

Will reduce sampling locations at ST-228 from two to one, location determined on the basis of visual inspection.

Section 3.4.24

1. As stated in text, the inflow source(s) and discharge destination of sewage ejector unit ST-229 will be determined.
2. The dimensions of ST-229 will be determined.
3. Sampling locations will be as close as possible to the unit, and one sampling location will be near the discharge point.

Section 3.2.25

1. Construction material of oil/water separator ST-230 will be determined. Limestone gravel will be investigated to assure that the bottom of unit is impervious.
2. Sampling locations surrounding ST-231 and ST-232 will be near the inflow and outflow points, and along the sides of the units. Only one sampling location will be between the two units unless visual inspection indicates otherwise.
3. Sampling locations at oil/water separator ST-230 will be at the inflow and outflow points.

Section 3.4.26

The surface soil sample will be collected with a stainless steel scoop and handled as described in section 2.2.1.3 of the SAP.

Section 3.4.27

1. The four sampling locations at oil/water separator ST-234 will be along the sides with one at the inflow and one at the outflow points.
2. The number of sampling locations at oil/water separator ST-235 will be reduced to two which will be at the inflow and outflow points.
3. Repair records for oil/water separator ST-236 will be checked, and if the unit has not been repaired, it will be taken out of service immediately and repaired or permanently closed. The number of sampling locations will be increased from two to four, two of which will be at the inflow and outflow and the other two near the sides of the unit or where visual inspection indicates surface straining.
4. Sampling locations at area drain ST-237 will be located at the outflow and on the side opposite the outflow.

Section 3.4.28

The discharge destination of ST-239 will be verified. The number of sampling locations will be reduced to one near the discharge point.

Section 3.4.30

The number of sampling locations at oil/water separators ST-242 and ST-243 will be reduced from eight to seven along the sides of the units with one between the two units.

Section 3.4.31

1. The four sample locations at oil/water separator ST-244 will be along the sides of the unit. As stated, the inflow source and discharge destination will be determined.
2. The depth of burial and dimensions of tank ST-245 will be determined. The dimensions, once determined, may warrant keeping the two sampling locations indicated in the text.

Section 3.4.32

1. Details of the possible discharge(s) of oil/water separator and holding tank ST-246 will be determined.
2. Inflow source(s) will be determined for these units.

Section 3.4.34

1. Inflow source to oil/water separator ST-248 is directly from the rack. Discharge destination will be determined as stated in text.
2. Sample locations will be along the sides of the unit and at the discharge point(s).
3. The construction material of tank ST-249 and the depth of the tank will be determined.
4. The inflow source of tank ST-249 will be verified.
5. The sampling locations will be along the sides of tank ST-249.

Section 3.4.36

1. The purpose of the concrete pad with the four-inch brass plug will be determined.
2. The three sampling locations will be at the inflow and outflow of oil/water separator ST-251, and the third will be positioned on the basis of any observed staining, or to investigate the situation at the brass plug. If another sampling location is required to complete the investigation, it will be added.

Section 3.4.38

The four sampling locations will be along the sides of oil/water separator ST-254 access permitting.

Section 3.4.39

1. Area drain ST-259 will be taken out of service immediately and serviced. The four sampling locations will be at the outflow and along the sides of the unit where any staining is noted. Inflow is from the wash rack.

2. The four sampling locations at oil/water separator ST-260 will be at the inflow and outflow points, and along the sides of the unit or where surface staining is noted. The discharge destination will be determined as stated in the text.

Section 3.4.41

1. The drain feeding oil/water separator ST-262 will be inspected for cracks, leaks, or staining; and if observed, more sampling points will be located along the drain.
2. One of the four sampling locations at ST-262 will be at the inflow point and the others will be located along the sides of the unit or where staining is observed.

Section 3.4.42

1. The discharge destination(s) of oil/water separators ST-263 will be determined as stated in the text.
2. The sampling locations will be reduced from four to three at each unit. The sampling locations will be at the discharge points and along the north, east, and south sides of the units; or where staining is observed.

Section 3.4.45

1. The four sampling locations at area drain ST-266 will be at the sides of the unit with one at the outflow point. This being an area drain, there may be no inflow point, however, if one exists, it will be found and a sampling location will be positioned near it.
2. The depth and discharge destination will be determined.

Section 3.4.46

1. The four sampling locations at oil/water separator ST-267 will be at the outflow point, at any inflow point that might exist, and along the sides of the unit.
2. The depth and discharge destination will be determined as stated in the text.

JUN-16-93 WED 8:38 FAX NO. 8480409 P. 02

cc: Hall Roth Harry

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 6
1445 ROSS AVENUE, SUITE 1200
DALLAS, TX 75202-2733

rcvd 15 June

JUN 8 1993

2B Work Plan approval from EPA

Thomas A. Morris, Colonel, USAF
Director
Environmental Management Division
377 ABW/EM
Kirtland AFB, NM 87117-5669

Re: RFI Stage 2B Work Plan
Kirtland Air Force Base
NM9570024423

Dear Colonel Morris:

The Environmental Protection Agency hereby approves your RCRA Facility Investigation (RFI) Stage 2B Work Plan with the enclosed modifications. The approved RFI Work Plan consists of the RFI Work Plan dated January 21, 1993, the May 13, 1993 Notice of Deficiency Response, and the enclosed modifications.

You shall immediately initiate the implementation of this approved RFI Work Plan, according to the project schedule contained in the Work Plan.

Should you have any questions, please contact Nancy Merlock of my staff at (214) 655-6650.

Sincerely,

Jack Davis

for Allyn M. Davis, Director
Hazardous Waste Management Division (6H)

Enclosure

cc: Benito Garcia, NMED
Bernalillo County/Kirtland Environmental Working Group

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MODIFICATIONS

1. Section 3.4.4, Site 26, Hapsano Fire Training Area FT-14, p. 58-61, NOD Response Comment #3
Clarification: Background samples should be taken from the same stratigraphic layer as the study area samples, and not necessarily from exactly equal depths.

2. General Comments for Oil/Water Separators, NOD Response Comment #6
The testing of the pipes and lines leading to and from the oil/water separators may be deferred to the time of executing the Appendix III (Stage 2C) studies. However, Kirtland must provide details of the line testing program in their Appendix III (Stage 2C) Work Plan.

MEMO

TO: Stage 2B Project File

FROM: Kevin Walter KW

DATE: 4 April 1994

SUBJECT: Use of Brass Sleeves for sample shipment

Halliburton NUS (HNUS) is currently conducting drilling and sampling activities at Kirtland AFB in support of the Stage 2B RCRA Facility Investigation. The Air Force Center for Environmental Excellence (AFCEE) approved method of drilling for this project is with the Geoprobe Coring system. This drilling method uses sample core barrels lined with 6-inch brass sleeves for collecting soil samples for laboratory analysis. The use of brass sleeves for collection, storage, and shipment of samples is a technical option according to the AFCEE Installation Restoration Program (IRP) guidance.

The purpose of this memo is to document that the use of brass sleeves as sample containers for sample shipment is a modification of what is presented in the EPA-approved Stage 2B Quality Assurance Project Plan, dated December, 1994. This plan states that only samples for volatile organic analyses will be shipped to the laboratory and stored in brass sleeves and that soil samples submitted for all other parameters will be placed in glass containers immediately after collection by extruding the samples in the field. As Ms. Nancy Morlock of USEPA discussed with Roger Clark and Kevin Walter of HNUS on March 31, 1994 on the telephone, field extrusion presents the technical problem of cross contamination of samples and possible volatilization of moisture and semivolatile constituents. To be consistent with the approved QAPP, HNUS is currently shipping all samples in the brass sleeves in which they were collected. Immediately upon receipt, the laboratory extrudes all samples (except for VOCs) from the brass sleeves and places the soil samples in glass containers. All non-VOC samples will then be stored and analyzed from the glass containers. Ms. Morlock verbally approved this procedure during the referenced telephone conversation with HNUS.

cc: M. Gradkowski
R. Senko
E. Agoston
R. Dimmick

Halliburton NUS
CORPORATION

661 ANDERSEN DRIVE PITTSBURGH, PENNSYLVANIA 15220 (412) 921-7090

C-49-3-2-007

March 1, 1994

Hallburton NUS Project Number 0494

Mr. Rodney Arnold
AFCEE/ESR
8001 Inner Circle Drive
Suite 2
Brooks AFB, TX 78235-5289

Reference: Deliver Order No. 22

Subject: Analytical Methods

Dear Mr. Arnold:

On February 24, 1994, Rita Senko of the Albuquerque office contacted Mr. Burt Harrison of the Air Force Center for Environmental Excellence (AFCEE) regarding which Installation Restoration Program (IRP) Handbook to follow for the Stage 2B activities at Kirtland Air Force Base (AFB). Mr. Harrison stated that since the USGS initiated field activities using the 1991 Handbook that this version should be followed for the remaining Stage 2B activities. He indicated that for consistency, AFCEE generally recommended that the contractor use the earlier Handbook if the project was initiated with this version. He also indicated that the Quality Assurance Project Plan follows the 1991 Handbook. Mr. George Lee of AFCEE was subsequently contacted regarding this issue and was in agreement with Mr. Harrison.

Halliburton NUS would like to continue the Stage 2B fieldwork using the 1991 IRP Handbook. However, since no samples have been collected for the Stage 2C investigation, the laboratory analyses to be conducted for 2C will be implemented using the 1993 Handbook. If there are any questions, please feel free to contact me at (412) 921-8415.

Sincerely,

Roger A. Clark, Ph.D.

RAC/sic

cc: Kevin Walter
Rita Senko

DEPARTMENT OF THE AIR FORCE
Headquarters 377th Air Base Wing (AFMC)

27 Sep 94

RECEIVED
SEP 27 1994
BROWN & ROOT ENVIRONMENTAL

MEMORANDUM FOR RECORD

FROM: 377 ABW/EMR

SUBJECT: Laboratory Validation for Stage 2B

1. On 26 Sep 94, I called Ms. Nancy Morlock, EPA Region 6, and requested her verbal approval to use Brown and Root's laboratory in Houston, Texas, for validation of Stage 2B laboratory data. Ms. Morlock approved this request.

2. I then called Ms. Karen Crandall of Halliburton NUS and told her to have Brown & Root's Houston laboratory perform the data validation. I strongly recommended Ms. Crandall closely monitor the validation process to verify correctness.

CHRISTOPHER B. DeWITT, R.P.G.
Acting Chief, Restoration Branch
Environmental Management Division

cc:
EPA (Ms. Morlock)
HNUS (Ms. Crandall)

8 Apr

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 6
1445 ROSS AVENUE, SUITE 1200
DALLAS, TX 75202-2733

Col Norris
DeWitt/File
CC: Davidson

APR 05 1994

Thomas A. Norris, Colonel, USAF
Director, Environmental Management Division
377 ABW/EM
2000 Wyoming Boulevard SE
Kirtland Air Force Base, New Mexico 87117-5659

RE: Appendix II RFI Work Plan

Dear Colonel Norris:

The purpose of this letter is to clarify several issues concerning the execution of the Appendix II RFI Work Plan for Kirtland Air Force Base (Kirtland). These issues were recently brought to the attention of Environmental Protection Agency (EPA) staff by Kirtland's contractor, Halliburton NUS.

Issue #1
A request has been made to modify the approved Appendix II RFI Work Plan to incorporate a phased-approach to field investigation at the oil/water separators. This phased-approach will likely result in incomplete contaminant delineation at many oil/water separators during this first phase of the RFI.

EPA Response
The Appendix II RFI Work Plan was approved on June 8, 1993. The approved Work Plan consists of the RFI Work Plan dated January 21, 1993, the May 13, 1993 Notice of Deficiency (NOD) Response, and the modifications detailed in the EPA's June 8, 1993 approval letter. Item #4 under the *General Comments for Oil/Water Separators* section of the NOD Response states that "The sampling intervals at oil/water separators will be at the bottom of the unit, and at 5-foot intervals below that until field screening indicates no contamination in the sample from the deepest point." It is therefore clear that complete delineation is required under the approved Work Plan, which was approved nearly one year ago. Therefore, the EPA is not approving the request to modify the Work Plan to include a phased-approach. As a reminder, the due date for the draft RFI Report is December 8, 1994.

Issue #2
In light of the fact that contamination has been found to extend to depths greater than 30 feet at several oil/water separators, a request has been made to increase the sampling interval at the oil/water separators from 5 feet to 10 feet.

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EPA Response
The EPA will allow samples to be taken at the bottom of the oil/water separators (approximately 8-feet below grade) and again at 13-feet below grade. If field screening indicates contamination at 13 feet, Kirtland should continue sampling at 10-foot intervals until no sign of contamination is indicated by field screening. A sample should also be collected from any area where odor, discoloration, or field screening indicates contamination, and at the final depth of each soil boring.

Issue #3
NUS has asked the EPA to reevaluate the 5 ppm field screening level included in the Work Plan. NUS has stated that weather and other field conditions may cause field screening fluctuations well above 5 ppm over background. Thus, a decision to continue drilling based on a field reading above 5 ppm may be unjustified.

EPA Response
NUS should use best professional judgement when deciding whether to continue drilling based on field screening measurements. A sample shall be collected at the total depth of each soil boring. Should laboratory analyses indicate contamination at the total boring depth, additional sampling will be required.

In the future, the EPA recommends that a representative of Kirtland Air Force Base be involved in discussions concerning significant corrective action issues, such as those described above.

Please contact Nancy R. Morlock of my staff at (214) 655-6650 if you have any questions or need additional information.

Sincerely yours,

David W. Neleigh, Chief
New Mexico and Federal Facilities Section
RCRA Permits Branch (6H-PN)

cc: Kathleen Sisneros, NMED
1190 St. Francis Drive
Harold Runnels Building
Santa Fe, NM 87503

Brown & Root Environmental

2300 Buena Vista S.E., Suite 110
Albuquerque, NM 87106

(505) 247-4933
FAX (505) 247-8131

Mr. Christopher B. Dewitt, R.P.G.
Acting Chief, Restoration Branch
Environmental Management Division
HQ 377th ABW/EM
2000 Wyoming Blvd. SE
Kirtland AFB, New Mexico 87117-5659

September 28, 1994

ABQ-94-0052

RE: Use of background data for Stage 2B Draft RFI Report.

Dear Mr. Dewitt:

As you discussed on the telephone with Ross Dimmick of our Albuquerque staff, enclosed please find a memo to the file which discusses the methodology for the use of background data in Stage 2B. It is my understanding that Nancy Morelock of the EPA would like you to transmit this methodology the EPA prior to the submittal of the draft RFI Report for Stages 2B and 2D-1 on December 8, 1994.

Should you have any questions, please contact Ross Dimmick at 505-247-4933.

Sincerely,

Kevin J. Walter, P.E.

encl.: memo to file
background data

cc: R. Clark
A. Klimek
R.Dimmick
M. Gradkowski
R. Arnold (AFCEE/ESR)

TO: FILE 2A56 DATE: 28 SEPTEMBER 1994

FROM: ROSS A. DIMMICK COPIES:

SUBJECT: METHOD FOR ADDRESSING BACKGROUND CONCENTRATIONS OF METALS

This memo details a method for addressing background concentrations of metals for the Kirtland AFB Stage 2B RFI.

The Upper Tolerance Limit (UTL) method of calculating an upper level of background (Lieberman, 1958) is useful for comparison purposes; it acts as a benchmark to separate expected background concentrations from those that might be considered "high." All concentrations of metals will be compared to an UTL. The UTL will be calculated using all 60 background samples collected basewide rather than limiting the calculation to the site specific background. The basewide background approach was chosen because of the need for *at least* 3 samples to calculate an UTL, and the desire for at least 8 samples to calculate a meaningful UTL (USEPA, 1989). The disadvantage of combining all background samples is that spatial variability in the natural concentrations of metals may obscure "high" concentrations of metals due to contamination. For example, if natural concentrations of a particular metal are high in the north end of the base but low in the southern end, the calculated UTL could be too high to recognize potential contamination in sites at the southern end. Conversely, some sites at the northern end with concentrations above the UTL could be falsely identified as contaminated. Despite this disadvantage, the combination of background values is the best approach because:

- Vertical stratigraphic variability (including that resulting from excavation and fill during installation of oil/water separators and USTs) can make direct comparison between site-specific background samples and other boreholes at the site inconclusive.
- No consistent horizontal variability in background concentrations of metals has been identified.
- In general, characteristics of Stage 2B sites suggest that metals contamination would be accompanied by organic contamination. This reduces the likelihood that significant metals contamination would go undetected.

It must be recognized that in comparisons with the UTL, which is approximately the 95th percentile of the background concentration, about 5 percent of values can be expected to exceed UTL within the background or other non-contaminated samples. With more than 500 environmental samples and 10,000 individual analyses for metals, comparison with the UTL yields a significant number of "false positives." Concentrations exceeding UTL will be addressed using the site specific background, broader statistical measures of concentrations at a site (e.g., t-tests), or by using presence of organics as an indicator of potential metals contamination.

References:

USEPA, 1989, Statistical Analysis of Ground-Water Monitoring Data at RCRA Facilities, Interim Final Guidance. Office of Solid Waste, Waste Management Division.

Lieberman, Gerald J., 1958, "Tables for One-sided Statistical Tolerance Limits." *Industrial Quality Control*, v. XIV, no. 10.

DEPARTMENT OF THE AIR FORCE
HEADQUARTERS 377TH AIR BASE WING (AFMC)

AR Doc # 735

18 JUL 1994

RECEIVED
JUL 26 1994
albuquerque

377 ABW/EMR
2000 Wyoming Blvd SE
Kirtland AFB NM 87117-5659

Ms. Nancy Morlock, Environmental Engineer
RCRA Permits Branch
U.S. EPA Region 6
1445 Ross Ave, Ste 1200
Dallas TX 75202-2733

Fld LAFB 23 sect 7.2
cc WALTER
GOWLOWSKI
DINNICK
PAWLETICH

Dear Ms. Morlock

I need to update you on some problems we've encountered at two Stage 2B sites--oil/water separators ST-210 and ST-219. Using the geoprobe, our RFI contractor, Halliburton NUS (HNUS), conducted field investigations at ST-219 on 19-20 April and at ST-210 on 15 June, and returned to ST-219 on 16-17 June to extend two borings to the maximum possible depth.

At one ST-210 boring, the geoprobe attained a depth of 62 feet. Field screening indicated minor contamination; contamination was not noted in the other borings.

Halliburton advanced the first geoprobe borings at ST-219 to depths ranging from 16 to 25 feet. Field screening showed contamination at all five borings. When the geoprobe returned for the second time, HNUS extended one boring depth to 107 feet. Field screening indicated contaminated soil at this depth.

In conjunction with HNUS, we decided we required a larger, hollow-stem auger drill rig to continue investigations at these sites. On 5 and 6 July, HNUS used a hollow-stem auger at ST-210 and drilled a borehole to a depth of 153 feet. Due to the collapse of coarse material zones into the auger flights, HNUS could not extend the boring and could not retrieve 120 feet of drill steel, which they abandoned in the hole. Field screening indicated the presence of minor contamination. Contamination levels appeared to substantially fluctuate at varying depths from the surface to 153 feet, indicating an irregular contaminant migration and retention through lenses of various permeabilities.

On 11 July, HNUS moved the hollow-stem auger to ST-219 after they failed to retrieve the steel at ST-210 and replacements were delivered. They successfully extended one hollow-stem auger boring to 150 feet. Once again, however, drilling was extremely difficult and the flight augers were damaged during removal. Field screening indicated minor contamination at 150 feet even though HNUS encountered lenses of heavily contaminated soil between 50 and 75 feet.

We believe site contamination may extend below 150 feet; however, the hollow-stem flight auger won't penetrate below that depth to confirm. We intend to continue site characterization at these sites; however, we require a much larger air rotary or mud rotary drill rig. Due to time and funding restraints, we can't schedule the additional work until FY95. In the interim, we plan to continue using the hollow-stem flight auger to obtain as much site characterization as possible at these two sites. The contractor will locate the additional borings to define the lateral extend of the contamination detected to date more effectively. We will include this information in the Stage 2B RFI report due to your office on 8 December 1994.

We will continue to update you on the status of the additional site characterization activities planned for these two sites. For your information, we have three production wells within 2,000 feet of these sites; to date, these wells show no contamination. The closest City of Albuquerque well is located approximately 2 miles northwest of these sites.

Please call me at (505) 846-2773/0053 if you have any questions.

Sincerely

CHRISTOPHER B. DeWITT, R.P.G.
Acting Chief, Restoration Branch
Environmental Management Division

cc:
NMED-HRMB (Mr. B. Garcia)
HNUS (Mr. Clark, Mr. Walter)
AFCEE/ESR (Mr. Arnold)
377 ABW/EMX

DEPARTMENT OF THE AIR FORCE
HEADQUARTERS 377TH AIR BASE WING (AFMC)

18 JUL 1994

RECEIVED
JUL 26 1994
albuquerque

377 ABW/EMR
2000 Wyoming Blvd SE
Kirtland AFB NM 87117-5659

Ms. Nancy Morlock, Environmental Engineer
RCRA Permits Branch
U.S. EPA Region 6
1445 Ross Ave, Ste 1200
Dallas TX 75202-2733

File LAFB 23 sec 7.2
cc WALTER
GRUSZKOWSKI
DINNICK
PAWLETICH

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Please call me at (505) 846-2773/0053 if you have any questions.

Sincerely

CHRISTOPHER B. DeWITT, R.P.G.
Acting Chief, Restoration Branch
Environmental Management Division

cc:
NMED-HRMB (Mr. B. Garcia)
HNUS (Mr. Clark, Mr. Walter)
AFCEE/ESR (Mr. Arnold)
377 ABW/EMX

J

Appendix J

Data from Previous Investigations

PROGRESS REPORT

THREATENED AND ENDANGERED SPECIES SURVEY OF KIRTLAND AIR FORCE BASE, NEW MEXICO

Submitted to

377 ABW/EM
2000 Wyoming Blvd. SE
Kirtland AFB, NM 87117-5659
ATTN: Bob Dow

Submitted by

New Mexico Natural Heritage Program
University of New Mexico
2500 Yale Blvd SE, Suite 100
Albuquerque, NM 87131

Patricia Mehlhop, Principal Investigator
Ellen DeBruin, Co-Principal Investigator

March 1994

INTRODUCTION

The objective of this project was to locate representative populations of threatened and endangered federal and state listed plants and animals on Kirtland Air Force Base and adjacent lands under its management, to produce a list of confirmed locations, and in the case of plants, to develop a predictive model of the potential habitat for each species on the base.

PLANT SPECIES SURVEY

METHODS

Plant species surveys were based on a sample of 80 acres for each 320 acres (25%) of potential habitat. The potential habitat for the species which may occur in the area consists of the undeveloped portions of land on the main base and the foothills on the western edge of the Manzano Mountains. The species included in the search were PEDIOCACTUS PAPYRACANTHUS, NEOLLOYDIA INTERTEXTA, MAMMILLARIA WRIGHTII, and AMSONIA FUGATEI. The PEDIOCACTUS has the widest range of potential habitat and is the most difficult to find. The surveys were scheduled to cover the blooming season of this species. The other species occur within the same range of potential habitat and were included in the same survey. Each section of land as shown on the 7.5 minute topographic quadrangle maps for the area was treated as a sampling unit. Within each section, four (4) sampling quadrats of 40 acres each were selected, 2 in the north half of the section and 2 in the south half, using a random numbers table. The quadrats were selected on the map. In the field, each quadrat was located using the topographic map, the Kirtland base map, and the color air photo composite supplied by the base. If a quadrat was found to be unsuitable in the field because it was off limits or it had major ground disturbance on more than 20 of the 40 acres, another sample quadrat in the section was selected at random to replace it. When a sample was situated within a posted and/or fenced area, authorization was obtained before entering.

A survey team of biologists located the sample quadrats in the field. They determined the perimeter of the 40 acres by starting at a known point on the map and pacing the 1320 feet for each side of the quadrat, following the four compass directions and marking the boundaries with flagging at intervals. Starting at one corner the team systematically searched the ground within the first half and then the other half of the 40 acres, following a back-and-forth serpentine pattern within a few feet of each other. On prepared data sheets the team recorded the following information:

-Sample number
-Team members
-T R S location of the quadrat
-Date and time
-General description of the topography, plant community, associated species and primary aspect of the site.
-Specific data for each habitat within the sample:
    Slope according to five classes

Aspect according to eight classes
Substrate description
Dominant species
Presence or absence of target species, number of individual plants counted
Percentage of the 40 acres occupied by each habitat
Sketch of the quadrat showing area occupied by each habitat and location and type of ground disturbance

The data sheets were completed on site for each quadrat. The sample sites selected and those completed were recorded on the topographic maps. Population and habitat data were entered into a Lotus spreadsheet in preparation for statistical analysis.

RESULTS

During the spring season from April 14 to June 11, 1993, a total of 56 sampling quadrats were surveyed for rare plants. Table 1 lists the sample sites by township and range location with the number of plants by species that were counted on each site.

On 2,240 acres surveyed, the number of plants counted were:

Pediocactus papyracanthus	*89*
Mammillaria wrightii	*14*
Neolloydia intertexta	*4,834*

The *N. intertexta* occurs on gravelly hillsides down to five-degree slopes. *P. papyracanthus* was found only on lower areas with slopes of five degrees or less. On 16 sample quadrats no rare plants were found.

Table 1. Rare Plant Survey Plots on Kirtland AFB, 1993.

Town	Range	Section	1/8 Section	Sample #	Ped.	Mam.	Neo.
8N	4E	1	SE4 NE4	36	2	0	4
8N	4E	1	SW4 NW4	48	5	0	0
8N	4E	2	SW4 NE4	53	7	0	0
8N	4E	2	NE4 NW4	54	3	0	0
8N	4E	3	NE4 NW4	52	5	0	0
8N	5E	6	NW4 NW4	39	0	0	0
8N	5E	6	NW4 NE4	40	0	0	20
9N	3E	12	NE4 SW4	31	0	0	0
9N	3E	12	SW4 NW4	32	0	0	0
9N	3E	12	NE4 NW4	33	0	0	0
9N	3E	12	SW4 SE4	34	1	0	0
9N	4E	1	NE4 SW4	12	0	0	26
9N	4E	1	NE4 SE4	13	0	0	107
9N	4E	1	NE4 NW4	17	0	0	0
9N	4E	2	NW4 NW4	14	0	0	142
9N	4E	3	NW4 NE4	15	1	0	0
9N	4E	4	SE4 SW4	19	0	0	0
9N	4E	4	SW4 SE4	20	5	0	0
9N	4E	7	SW4 SE4	37	1	0	0
9N	4E	7	NE4 SE4	38	0	0	0
9N	4E	7	SW4 NE4	41	0	0	0
9N	4E	7	SE4 NW4	42	0	0	0
9N	4E	9	SW4 SE4	21	2	1	0
9N	4E	9	NE4 NE4	22	5	1	0

Table 1 cont.

Town	Range	Section	1/8 Section	Sample #	Ped.	Mam.	Neo.
9N	4E	9	NW4 NE4	24	2	0	0
9N	4E	9	SE4 SE4	26	1	2	2
9N	4E	10	NW4 NW4	23	2	0	0
9N	4E	10	NW4 NE4	25	0	1	62
9N	4E	10	NW4 SW4	27	2	1	67
9N	4E	10	SE4 SW4	28	0	4	400
9N	4E	12	SW4 SE4	2	0	0	29
9N	4E	12	NW4 SE4	3	0	1	51
9N	4E	12	SW4 NE4	18	0	0	6
9N	4E	13	SW4 NE4	10	0	0	558
9N	4E	13	NW4 NE4	11	0	0	353
9N	4E	16	SE4 SW4	29	0	0	0
9N	4E	16	NW4 SW4	30	0	0	0
9N	4E	18	SW4 NW4	43	0	0	0
9N	4E	18	SE4 NW4	44	0	0	0
9N	4E	18	NW4 SW4	45	1	0	0
9N	4E	18	NE4 SW4	46	1	0	0
9N	4E	23	SW4 SW4	16	0	0	0
9N	4E	24	SE4 NE4	9	0	0	1321
9N	4E	25	SE4 SE4	35	0	1	490
9N	4E	26	NE4 NW4	8	5	0	1197
9N	4E	30	SE4 SW4	55	9	0	0
9N	4E	31	SW4 NW4	56	8	0	0
9N	4E	33	NW4 SE4	4	1	0	0

Table 1 cont.

Town	Range	Section	1/8 Section	Sample #	Ped.	Mam.	Neo.
9N	4E	33	SW4 NE4	5	0	0	0
9N	4E	33	NE4 NE4	49	0	0	0
9N	4E	34	NW4 SW4	50	3	0	0
9N	4E	34	SW4 SW4	51	5	0	0
9N	4E	36	SE4 NW4	6	8	0	4
9N	4E	36W	SE4 SE4	7	1	0	0
9N	4E	36	SW4 SW4	47	1	0	0
9N	5E	13	NW4 SW4	1	1	2	5

Ped. = # of *Pediocactus papyracanthus* Mam. = # of *Mammillaria wrightii*
Neo. = # of *Neolloydia intertexta*

56

ANIMAL SPECIES SURVEYS

In 1993 surveys were conducted for the Northern Goshawk, Peregrine Falcon and Gray Vireo. 1994 surveys will focus on surveys for the spotted bat, Spotted Owl and Gray Vireo. In addition, reproductive data will be collected for the Gray Vireo.

Northern Goshawk (*Accipiter gentilis*)

BACKGROUND

The Northern Goshawk (*Accipiter gentilis*) is a large woodland raptor, ranging in length from 53-66 cm and 102-117 cm in wingspan (National Geographic Society 1988). It is distinguished from other similar accipiters by its much larger size, and a conspicuous pale or whitish eyebrow.

Northern Goshawks are uncommon breeders in coniferous woodlands in montane areas in New Mexico. They generally require mature stands of large conifers with a fairly closed canopy and a fairly open understory.

METHODS

Examination of aerial photography indicated that potential habitat for the species (open stands of large conifers) on KAFB and the Forest Service Withdrawal Area, is limited. The only significant stands of large conifers present are some fairly open stands of Ponderosa Pines around the Manzano Lookout Tower at the highest point of the Withdrawal Area (see map). Goshawks are extremely unlikely to breed in dense stands of Pinon-Juniper (personal communication Hart Schwartz). Despite the lack of suitable habitat, two days of surveys were conducted around the Look-out tower, in the densest stands of Ponderosa Pines.

Areas with the densest stands of large conifers were located and surveyed. Surveys employed the Forest Service protocol for Northern Goshawk inventory. This protocol calls for the establishment of transects spaced 300 meters apart. Transects consisted of calling stations along lines. Taped Goshawk calls were played at stations in order to induce vocal responses.

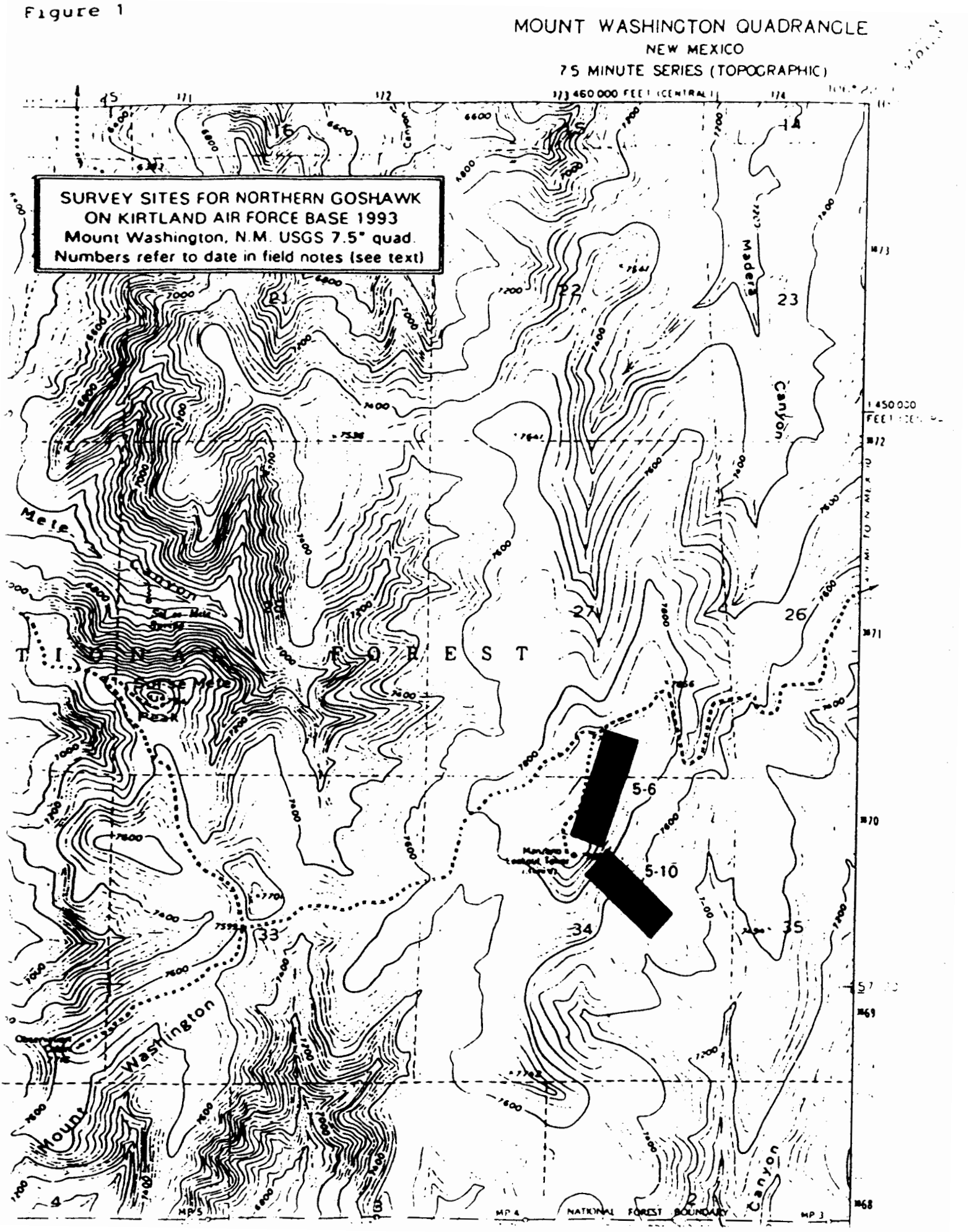
RESULTS AND CONCLUSIONS

During two days of surveys, no evidence of Northern Goshawk nesting was found. Overall, it appears that no suitable Goshawk habitat exists on KAFB or the Withdrawal Area.

FIELD NOTES OF CHARLES BLACK (refer to Figure 1 for map of survey area.)

05-06-93 I began Goshawk surveys, running north-south transects in the area immediately

Figure 1


MOUNT WASHINGTON QUADRANGLE
NEW MEXICO
7.5 MINUTE SERIES (TOPOGRAPHIC)
SURVEY SITES FOR NORTHERN GOSHAWK
ON KIRTLAND AIR FORCE BASE 1993
Mount Washington, N.M. USGS 7.5° quad.
Numbers refer to date in field notes (see text)
5-6
5-10
Mesa
Canyon
Mount Washington
Canyon
NATIONAL FOREST BOUNDARY

north of Manzano Lookout Tower (Fig. 1). I played tape and listened at eight points each along five parallel lines. These lines or transects were spaced about 150 meters apart. No sign of Goshawk presence was detected.

05-10-93 I continued surveys, running transect in a southeasterly direction from the tower. I played tape at seven points each along five parallel lines spaced about 150 meters apart. These transects covered some fairly steep terrain. No Goshawks were seen or heard.

Peregrine Falcon (*Falco peregrinus*)

BACKGROUND

The Peregrine Falcon (*Falco peregrinnus*) is a medium to large sized falcon, ranging in length from 41-51 cm and 91-112 cm in wingspan (National Geographic Society 1988). It is distinguished from the similar Prairie Falcon (*Falco mexicanus*) by darker upper parts, including the head and facial pattern, and a lack of dark axillaries (under wings). Peregrine Falcons are uncommon as migrants through central New Mexico, but are rare and local breeders. The closest known breeding site to KAFB is in the northern end of the Sandia Mountains. Peregrine Falcons require tall cliffs (usually over 50 meters) for nesting and hunting. They also require ledges, potholes or small caves which are inaccessible to mammalian predators for successful nesting (Johnsgard 1990).

In the Forest Service Withdrawal Area east of KAFB, there are extensive cliff lines along ridges of the Manzanita Mountains. Most of these cliffs and steep rocky outcroppings are fairly short (30 meters at the tallest). These rock formations are limestone mesa tops of the Manzanita mountains and are generally 6800 to 7600 feet in elevation. The vegetation type here is predominately dense stands of Pinon-Juniper woodland. Overall, the habitat on KAFB is possible, but sub-optimal for Peregrine falcon breeding.

METHODS

To ensure complete coverage of all potential habitat, examination of aerial photographs, topographic maps, as well as personal reconnaissance were used to locate the best survey areas. The surveys consisted of walking cliff lines to locate suitable observation points (points which allow good views of large sections of cliffs). Surveys were conducted at each point for 15 to 30 minutes based on the quality of the habitat present. Binoculars and a 30X spotting scope were used to scan the cliffs and sky for evidence of Peregrine presence. Survey were conducted during nine field days between April 15 and May 4, 1993. All areas of suitable habitat on KAFB were surveyed. These surveys were conducted in six general areas: the Mount Washington area at the south end of the base, the Sol Se Mete Mesa area, the "west mesa" area, Lurance Canyon, Bonita Canyon and Otero Canyon. Of these areas, the Mt. Washington area contains by far the tallest cliffs and overall, the most likely habitat for Peregrine nesting. Other areas generally contain poor habitat. All survey points at each of these locales are shown in Figure 2.

Figure 2

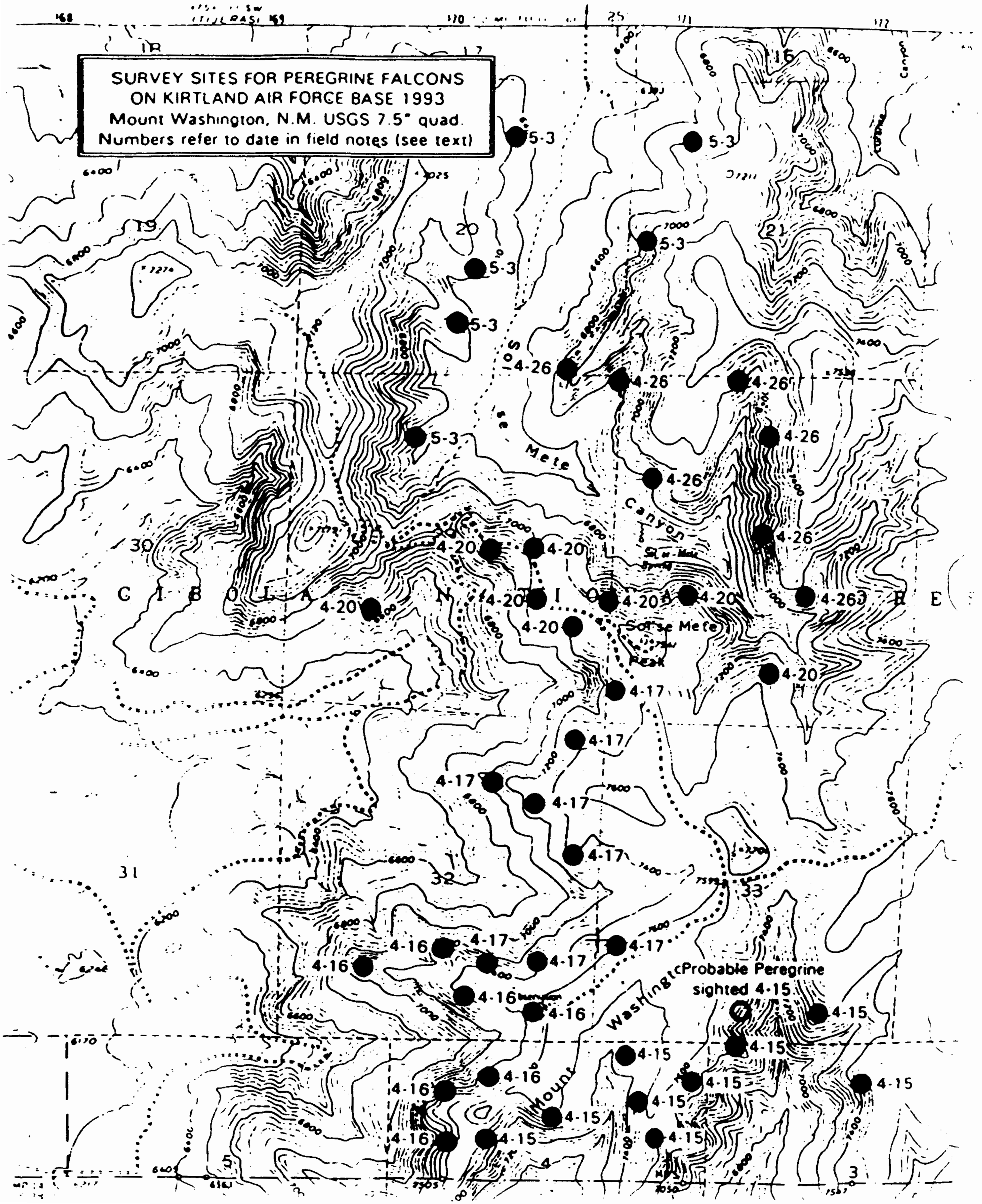
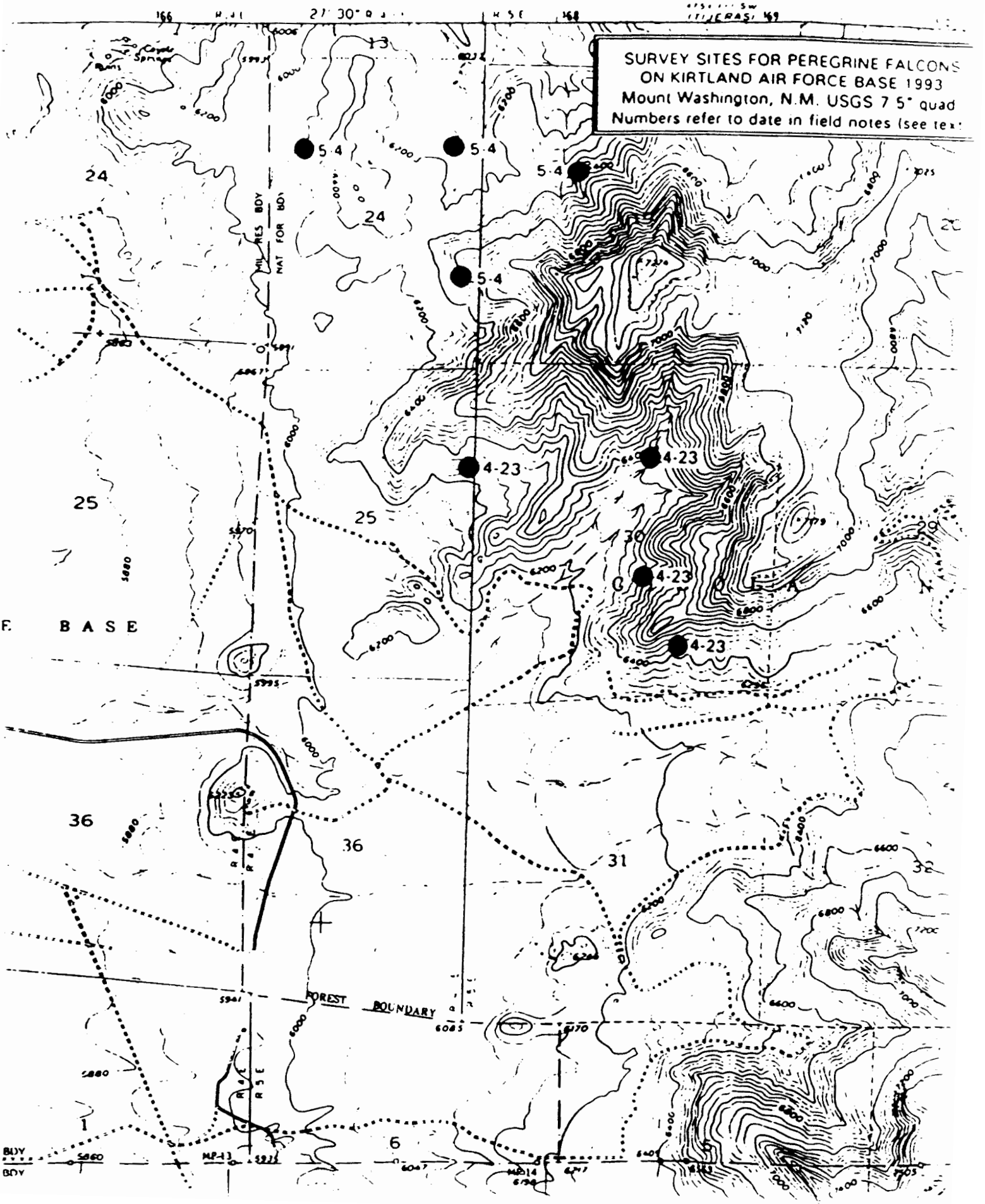
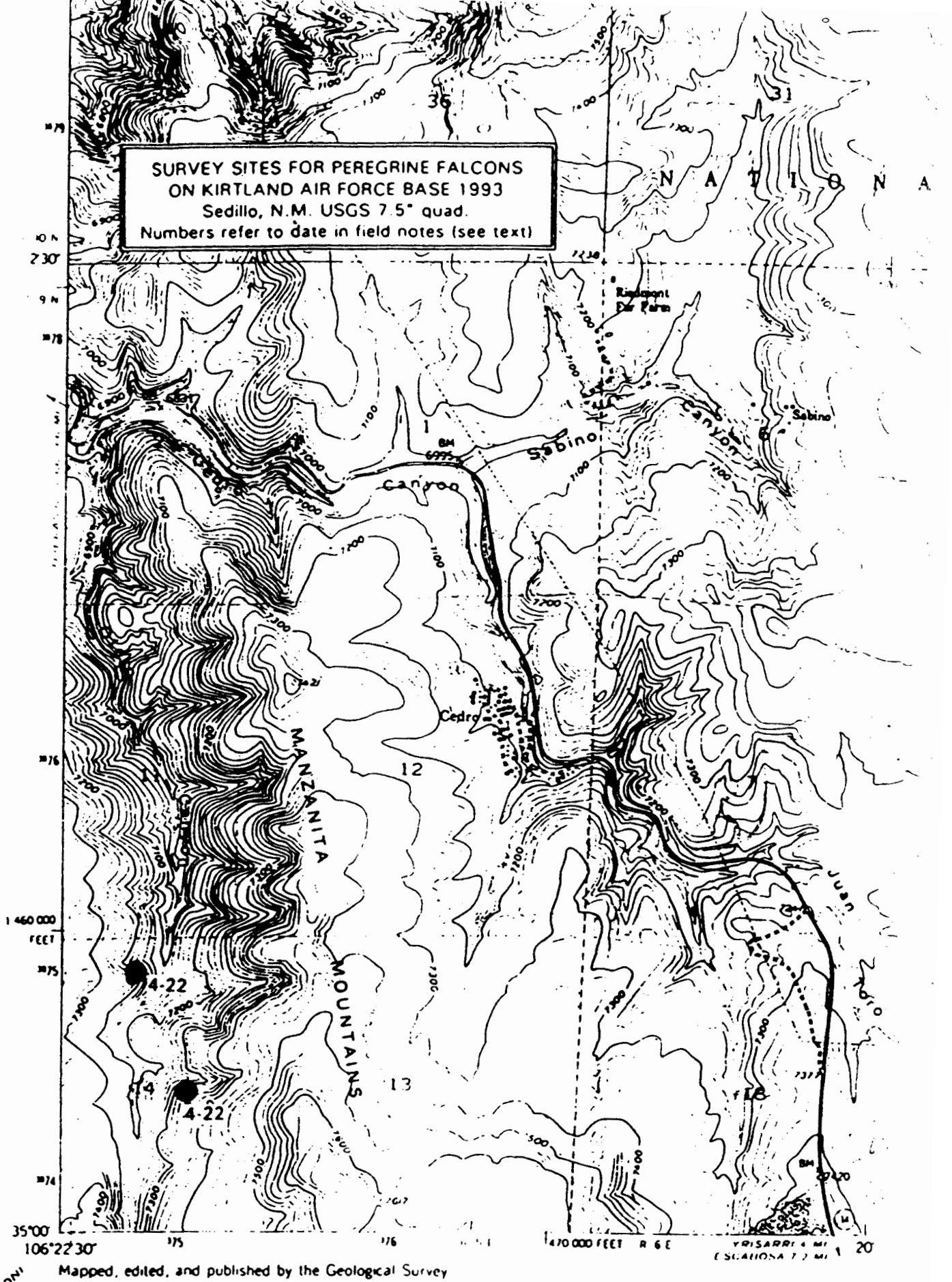

SURVEY SITES FOR PEREGRINE FALCONS
ON KIRTLAND AIR FORCE BASE 1993
Mount Washington, N.M. USGS 7.5" quad.
Numbers refer to date in field notes (see text)
Probable Peregrine
sighted 4-15
Sol se Mete
Canyon
Peak
Mount Washington

Figure 2


SURVEY SITES FOR PEREGRINE FALCONS
ON KIRTLAND AIR FORCE BASE 1993
Mount Washington, N.M. USGS 7 5' quad
Numbers refer to date in field notes (see tex
5-4
5-4
5-4
5-4
4-23
4-23
4-23
4-23
24
24
25
25
30
31
36
36
1
6
F. BASE
FOREST BOUNDARY

igure 2


SURVEY SITES FOR PEREGRINE FALCONS
ON KIRTLAND AIR FORCE BASE 1993
Sedillo, N.M. USGS 7.5° quad.
Numbers refer to date in field notes (see text)
4-22
4-22
MANZANITA
MOUNTAINS
Sabino
Canyon
Cedro
Canyon
Juan
Mapped, edited, and published by the Geological Survey
Control by USGS and USC&GS
Topography from aerial photographs by multiplex methods
Aerial photographs taken 1951 Field check 1954

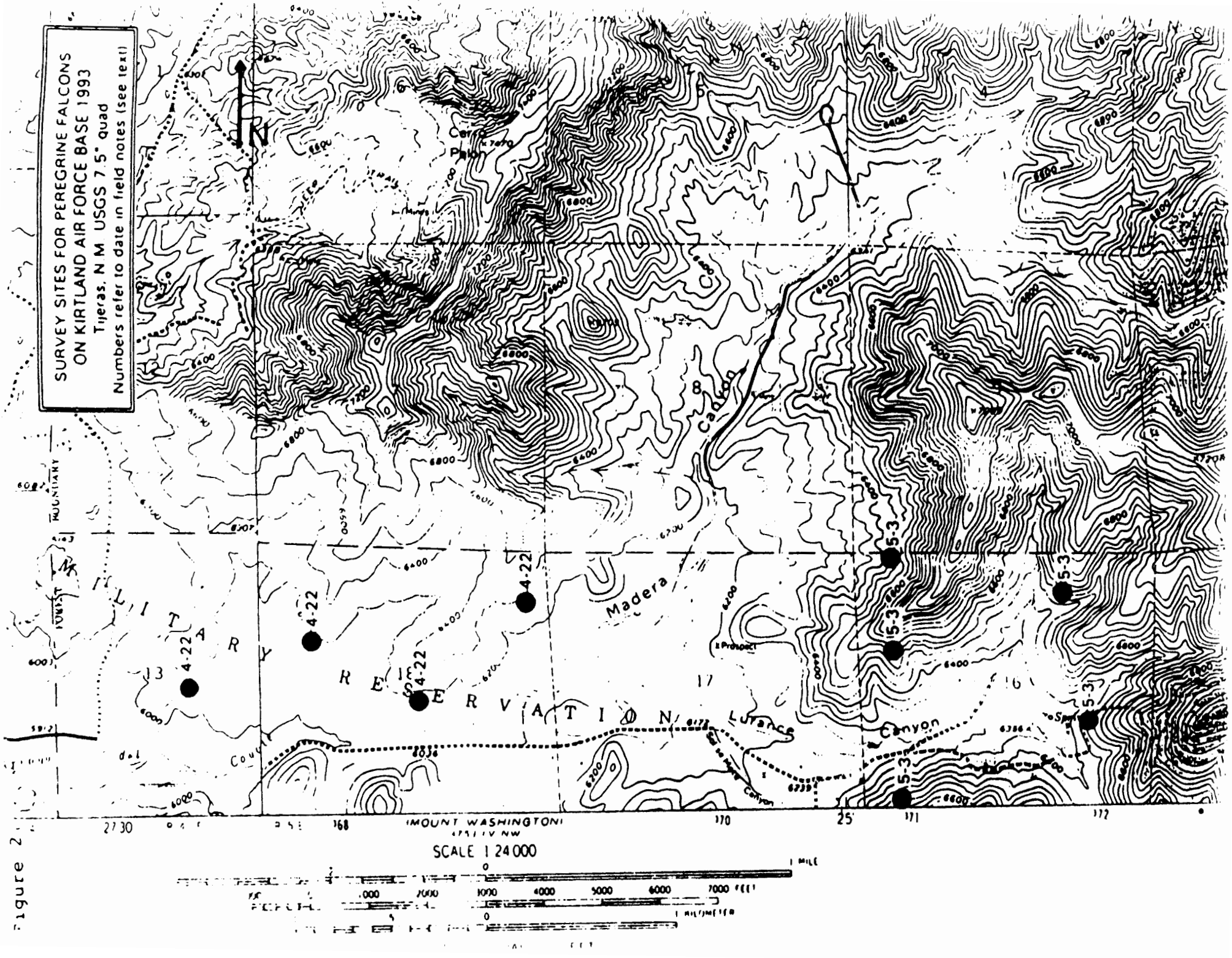

SURVEY SITES FOR PEREGRINE FALCONS
ON KIRTLAND AIR FORCE BASE 1993
Tijeras, N M USGS 7.5' quad
Numbers refer to date in field notes (see text)
N
4-22
5-3
Madera
Canyon
MILITARY RESERVATION
SCALE 1 24000
MOUNT WASHINGTON

Figure 2

RESULTS AND CONCLUSIONS

No evidence of Peregrine Falcon nesting was found during 1993 surveys. One probable bird was seen on April 15 near Mt. Washington (Fig. 2), but this was almost certainly a migrant. Peregrine Falcons are regular spring migrants along ridge lines of the Manzano and Sandia Mountains. However, the habitat is marginal at best for Peregrine nesting on KAFB.

FIELD NOTES OF CHARLES BLACK (refer to Figure 2 for map of survey area.)

04-15-93 I began surveys on the southeast face of Mt. Washington. I surveyed from nine points along the ridge lines in this section. I observed a probable Peregrine flying north along the ridge line (Fig. 2) at a high rate of speed. I was unable to locate this bird at any time in the future, and assume it to have been a migrant. I located a possible Golden Eagle nest (Fig. 2). I found no evidence of Peregrine nesting. Very windy conditions existed.

04-16-93 I continued surveying along the west edge of Mt. Washington, again under very windy conditions. I surveyed from seven points on this day (Fig. 2) and noted no evidence of Peregrine presence.

04-17-93 I continued north along the ridge line of Mt. Washington, under somewhat calmer conditions. I surveyed from five points on Mt. Washington and at three points on the south end of Sol Se Mete Mesa. No evidence of Peregrines seen.

04-20-93 I continued surveys along the west face of Sol Se Mete Mesa, surveying at nine points, no Peregrine sign. Late in the afternoon, I returned to the area where I saw the probable Peregrine on 04-15 to follow-up on the original sighting. I saw no Falcons.

04-22-93 I hiked into upper Otero Canyon, a remote area at the far northeast corner of the Withdrawal Area. I found little potential Falcon habitat here. I surveyed at two points along a small area of rocky outcroppings with no results. I also evaluated this area for possible Northern Goshawk habitat. I found the area to be very poor Goshawk habitat, with only a few scattered Ponderosa Pines amongst dense stands of Pinon-Juniper Woodland. Later in the day, I surveyed at four points along cliffs at the far north end of the Withdrawal Area (Fig. 2).

04-23-93 I hiked into upper Bonita Canyon, another remote area at the far southeast end of the withdrawal area. I found no potential Falcon habitat in this area, and conducted no surveys here. I evaluated this area as possible Northern Goshawk, and found it to be poor. The entire canyon is dense Pinon-Juniper with a few scattered Ponderosa Pines. Later in the day, I began Peregrine surveys in the "west mesa" area, surveying from four points (Fig. 2) - negative.

04-26-93 I continued surveys around the west ridge line of Sol Se Mete Mesa, and down into Sol Se Mete Canyon. I surveyed at eight points in generally poor habitat - negative.

05-03-93 I continued surveys in the "west mesa" area, working along its east face (Fig. 2). I surveyed four points - negative. In the early afternoon, I surveyed cliff areas in Lurance Canyon. The habitat here is poor. I surveyed from five points (Fig. 2) - negative. I surveyed at one last point on the "west mesa" late in the afternoon on my way out. I saw no Falcon evidence, but found my first Gray Vireo of the season.

05-04-93 I finished up Peregrine surveys along the northwest side of the "west mesa." I surveyed at three points - negative. In the afternoon, I returned to the Mt. Washington area to follow up on the original Falcon sighting. Again, I found no evidence of Peregrine nesting in the area.

Gray Vireo (*Vireo vicinior*)

The primary goal of the 1993 work was to survey potential breeding habitat and detect as many birds as possible during the breeding season. In addition, visits were made in June and July for follow-up and to collect reproductive data.

BACKGROUND AND DESCRIPTION

Status and Distribution. The Gray Vireo is listed by the State of New Mexico as an endangered species. It is generally uncommon and highly localized in occurrence in the state and appears to be absent from some areas of suitable habitat. However, it has not been well surveyed in much of its potential habitat, which is arid scrub woodland on foothills and mesas. Prior to this study, Gray Vireos were previously unrecorded in Bernalillo County.

The Gray Vireo is a neo-tropical migrant, wintering in northwestern Mexico and extreme southern Arizona, and breeding in the southwestern U.S. and extreme northern Mexico. Limited observations indicate that individuals arrive on breeding grounds in New Mexico about the first week of May. They vacate breeding areas in August and probably are absent from the state by the end of September.

Description. The Gray Vireo is a small, drab songbird which breeds in dry, scrubby foothills and mesas in the southwestern U.S. and adjacent areas in extreme northern Mexico. The Gray Vireo averages 5-1/2 inches (14 cm) in length (National Geographic Society 1988). In plumage, the bird is generally gray on the upper parts and white below. The wings and tail tend to be grayish- brown. The wings contain two faint white wing bars. Gray Vireos have white eye rings and indistinct whitish lores (area in front of the eyes). They have short, stocky, rounded bills typical of vireos. The distinctive song of the Gray Vireo can be described as a series of varied chu-ree chu-rah notes in sing-song phrases (high note, low note, high note, low note, etc.).

The Gray Vireo is distinguished from the similar Solitary Vireo (*Vireo solitarius*), which also is present on KAFB during the breeding season, by subtle differences in plumage, song and habitat. In physical appearance the Gray Vireo resembles the Rocky Mountain form of the

Solitary Vireo, which is also gray above and white below. The Solitary Vireo, however, has much bolder and more pronounced eye rings and lores. In addition, the white wing bars on a Solitary Vireo are bolder and more conspicuous. The song of the Solitary Vireo has a similar sing-song quality to that of the Gray Vireo, but the notes tend to be harsher and more growled. Overall, the song of the Gray Vireo can be described as higher pitched, faster and sweeter than that of the Solitary Vireo. In areas where both species breed, the Gray Vireo generally occupies lower, drier, less densely vegetated habitats, although some overlap is possible.

Reproduction. Gray Vireos generally build nests from two to eight feet off the ground in small, scrubby trees. Their cup-shaped nests are constructed from grass, shredded bark, leaves, plant fibers, spider webs, and cocoons (Ehrlich et al 1988). Both sexes participate in construction of the nests. Gray Vireo nests contain three to five eggs (most often four) which are rosy with brown spots. Incubation usually lasts 13-14 days and hatched birds usually fledge after 13-14 days (Ehrlich, et al 1988). Gray Vireos have been known to raise two broods.

Gray Vireos are a common victim of brood parasitism by Brown-headed Cowbirds (*Molothrus ater*). Female cowbirds lay an egg in the nest of a host species after removing one of the hosts eggs. The cowbird egg hatches a few days before the host species, giving the young cowbird a head start and enabling it to out-compete the host nestlings for food. The result is a failed nesting attempt for the host species.

METHODS

Examination of aerial photographs and topographic maps as well as personal reconnaissance were used were used to identify areas of potential Gray Vireo habitat within the study area. Field work was conducted by Charles Black under supervision of Patricia Mehlhop. Surveys consisted of walking through potential habitat in a zigzag fashion while listening for singing male Gray Vireos. Because Gray Vireos usually sing all day long and their song carries a fair distance, this method achieved good coverage. If suspected Gray Vireos were heard, the surveyor pursued the bird for a visual confirmation. The territories of singing birds were mapped as precisely as possible. When possible, the surveyor made a follow-up visit to each territory to verify that birds were still present.

Surveys for the Gray Vireo were conducted from May 3 - July 28, 1993. Intensive surveys were conducted for 13 days in May, with an additional one day in June and five days in July spent in follow-up observation focused on documenting reproduction.

RESULTS

All habitat considered potential for breeding Gray Vireos was surveyed. Twenty-four territorial males were detected on KAFB and the Forest Service Withdrawal Area. Of these 24, at least 13 were paired (probably more, but females are generally more difficult to detect).

During the season, two nests were located. The first was constructed, but never used. The second possibly fledged three young.

Habitat. Summering Gray Vireos on KAFB were found in ungrazed Juniper woodland (*Juniperus monosperma*) at the base of the western foothills of the Manzanita Mountains. They were found in an elevational belt of 5900-6600 feet with continuous habitat from Coyote Canyon on the north end of the Withdrawal Area along the west side of the Manzanita foothills to the south end of KAFB. In fact, Gray Vireos were heard singing to the south across the boundary on the Pueblo of Isleta. Vireos found in the lower portions of this belt were in a zone of Juniper woodland between foothills and grasslands. These areas tend to be flat grassland with a somewhat open canopy (estimated at 50% closure or greater). Vireos found at higher elevations tend to be on steep, sparsely vegetated slopes or in more densely vegetated canyon bottoms. In the canyon bottoms, vegetative diversity tends to be greater: Juniper dominated, with Apache Plume, Cholla, Mountain Mohoghany, Scrub Oak and a few Pinon Pines. Gray Vireos are entirely absent from dense Pinon-Juniper stands on the middle and upper sections of the Manzanita Foothills. This habitat contains breeding Solitary Vireos.

Behavior. Gray Vireos appeared more active than other Vireos, flicking their tails constantly while they foraged for insects. Males sang from exposed perches, usually atop Junipers. They sang through the heat of the day when other passerines tended to become quiet. The females were usually less conspicuous both while foraging and in vocalizing. Vocalizations were restricted to occasional scold notes. Individuals made long flights (100 meters or more) within their territories, making them difficult to pursue at times. They were observed scolding and harassing Pinon and Scrub Jays when the jays invaded a Vireo territory.

Seasonal Movement. Surveys conducted in May, soon after Gray Vireos arrived from their wintering grounds, revealed that birds were occupying a 500-foot elevational belt (5900- 6600 feet). Follow-up visits in July revealed that Gray Vireos had largely vacated lower areas of this belt. Territories that seemed to be present in lower, flatter more open stands of Juniper contained no singing birds in July, whereas higher, steeper more densely vegetated areas had many actively territorial birds. It seems possible that Gray Vireos occupy a broader habitat in the first month of arriving on their summering grounds. They may then move up into higher areas to breed. Visits made late in the season (July 27 and 28) revealed that Vireos were scattered and more difficult to find. Males were singing less, hence only a few birds were observed during this period.

Reproduction. Two nests were located during surveys. The first nest was found during its construction on May 20 at an elevation of 6540 feet, up a canyon at the west base of Mt. Washington (Fig. 3). The cup-shaped nest was on a Juniper limb over hanging a dry creek bed about eight feet off the ground. Black monitored this nest for about three hours. Both sexes aided in the construction of the nest. Both birds were seen carrying spider webs in their mouths. The male was observed ripping apart a cocoon, then weaving pieces of it into the nest. The male took periodic breaks from nest building to sing from exposed perches. At

Figure 3

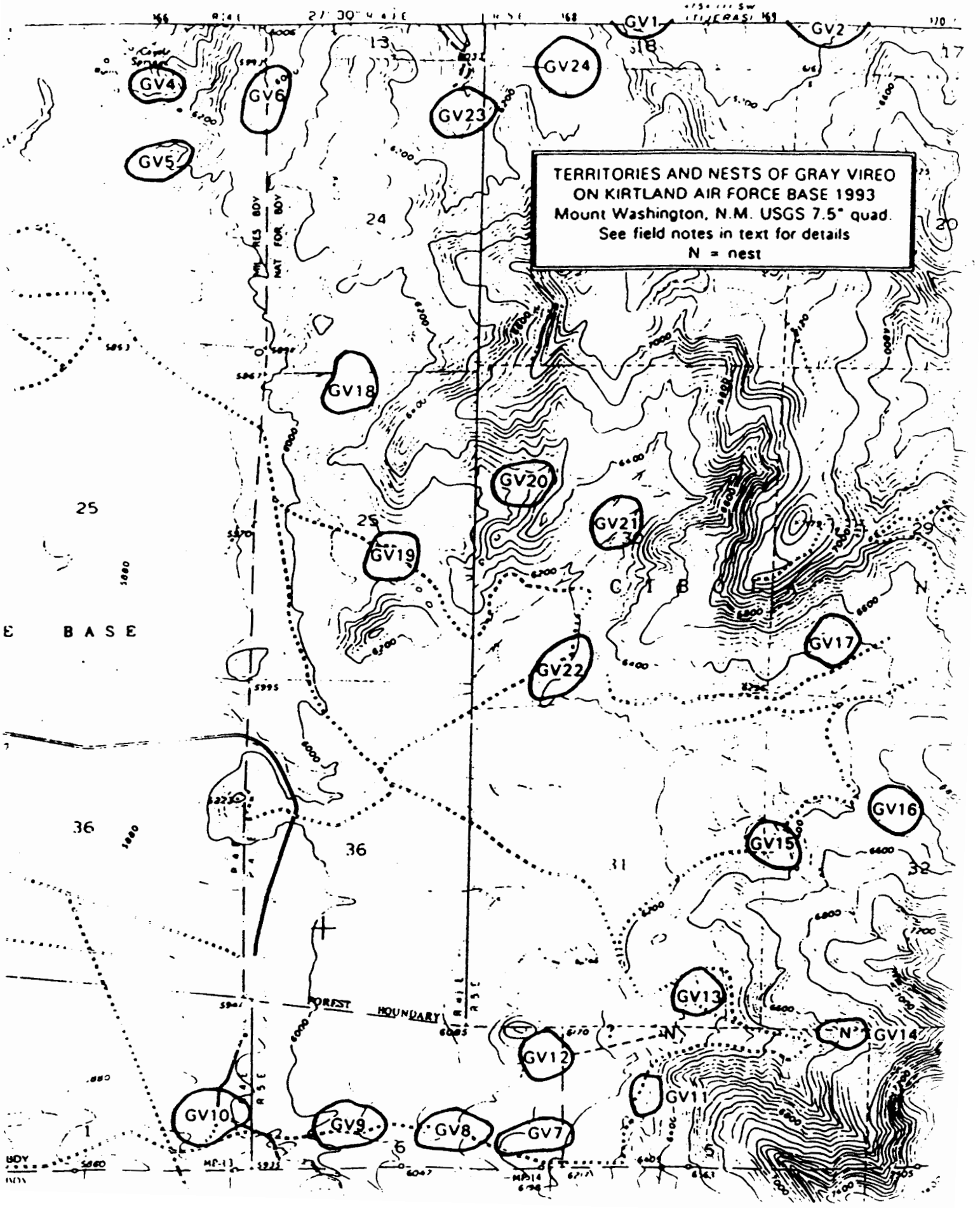
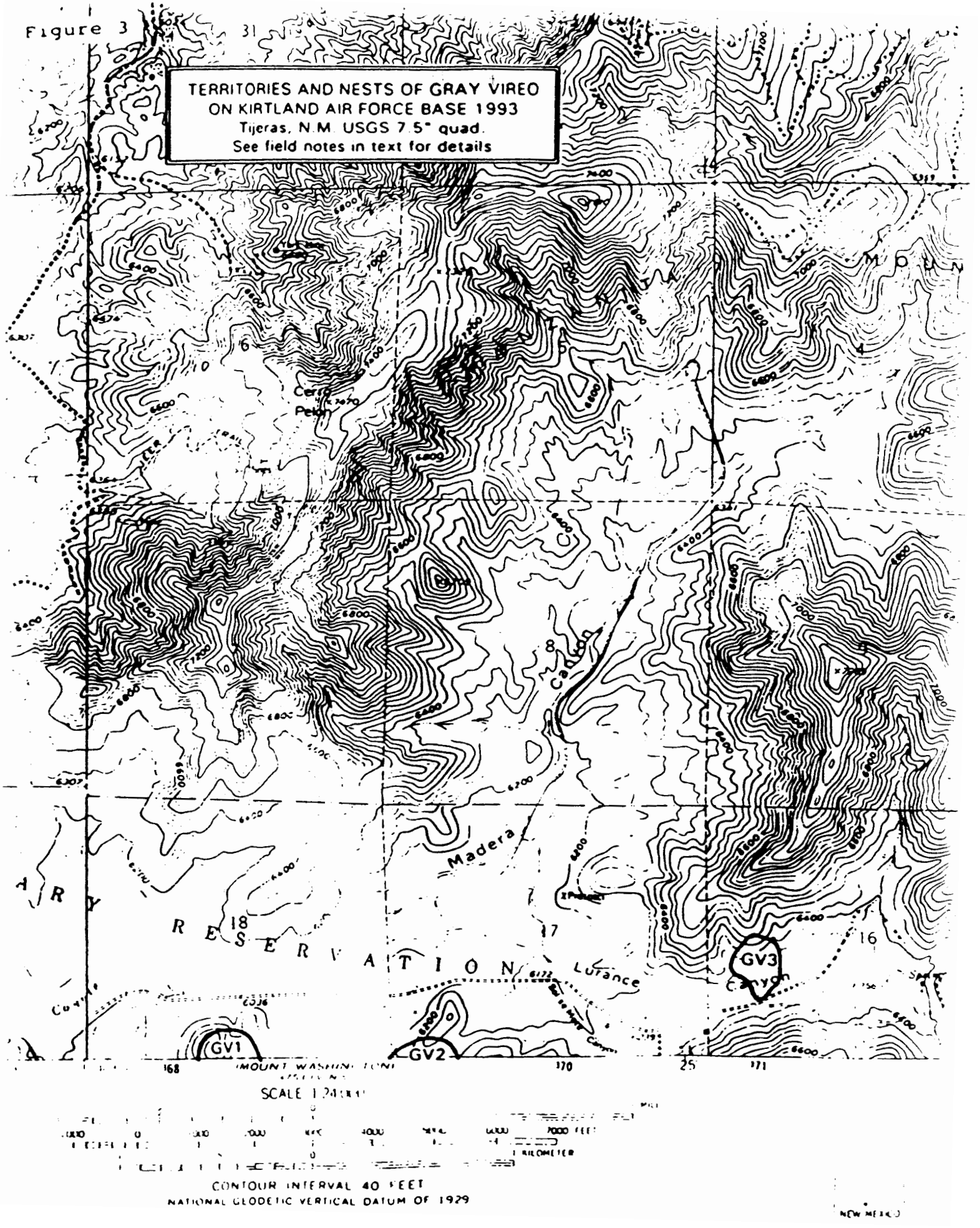

TERRITORIES AND NESTS OF GRAY VIREO
ON KIRTLAND AIR FORCE BASE 1993
Mount Washington, N.M. USGS 7.5° quad.
See field notes in text for details
N = nest
GV1
GV2
GV4
GV5
GV6
GV7
GV8
GV9
GV10
GV11
GV12
GV13
GV14
GV15
GV16
GV17
GV18
GV19
GV20
GV21
GV22
GV23
GV24
BASE
FOREST BOUNDARY

Figure 3


TERRITORIES AND NESTS OF GRAY VIREO
ON KIRTLAND AIR FORCE BASE 1993
Tijeras, N.M. USGS 7.5" quad.
See field notes in text for details
Cerro Pelon
Madera
Canyon
Lurance
Canyon
GV1
GV2
GV3
SCALE 1:24000
CONTOUR INTERVAL 40 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

this point, the nest was only partially constructed. Upon closer examination, it was noted that the nest was woven with grass, spider webs, strips of juniper bark and feathers (presumably Gray Vireo feathers). He returned to the nest area on May 30, June 17, and July 6. The nest was completed and quite sturdy as of May 30, but was not used at any time during the season. One possible explanation for lack of egg laying is that the nest was constructed as a decoy to confuse cowbirds.

On July 6, an active nest was located at 6240 feet about five feet up in a Juniper along a wash about 1.5 miles west of Mt. Washington (Fig. 3). When the nest was first found, a female Gray Vireo was sitting on it. The nest contained a recently hatched cowbird and three Gray Vireo eggs. The eggs were pinkish-white with brownish spotting. Given that cowbird eggs usually hatch a few days before the host eggs, the Vireo eggs would probably hatch on July 7 or 8 and young would fledge around July 22 (personal communication Hart Schwarz). Upon returning to the nest July 27, it was found to be empty with weathered shell fragments in the bottom. This indicates that young possibly fledged successfully, although predation of the young in the nest was possible.

WORK PLANNED FOR 1994

1. Territories found in 1993 will be revisited to determine how many are occupied in 1994.

2. Intensive search efforts will be made for nests.

3. Nests will be monitored for reproductive success based on:
   a. brood parasitism by cowbirds
   b. nest predators such as jays
   c. clutch size
   d. number of eggs hatched

FIELD NOTES OF CHARLES BLACK (refer to Figure 3 for map of survey area.)

05-03 93 While conducting Peregrine Falcon surveys near the "Wench Site," I heard and saw the first Gray Vireo of the season.

05-07-93 I began Gray Vireo surveys in "Wench Site" area. I located two singing Gray Vireos in this area, GV1 and GV2. GV1 was a pair of birds which were found at the west end of the drainage at about 6160 feet in elevation. GV2 was a lone, singing bird at the east end of the canyon at 6200 feet.

05-12-93 I surveyed in Lurance Canyon. Initially, this canyon appeared to have potential habitat, although it was somewhat densely vegetated with a dominance of Pinon. I heard several Solitary Vireos singing in the upper part of the canyon. After walking the upper part of the survey area, I located a singing Gray Vireo (GV3) near the opening of Lurance

Canyon, at 6360 feet. No other birds were located in this canyon.

05-13-93 I surveyed an area of potential habitat to the north of Lurance Canyon north to the DOE boundary in the morning. I found no Gray Vireos in this area. In the afternoon, I surveyed lower Sol Se Mete Canyon and the hillside on the south side of Coyote Arroyo. I found no birds in Sol Se Mete Canyon; the habitat here was dominated by dense Pinon-Juniper stands. I heard one Gray Vireo singing on the hillside on the south side of Coyote Arroyo, but after I pursued it, I discovered that it was probably GV2, found on 05-07. Gray Vireos seemed to roam over fairly large areas (at least 200 meters square).

05-18-93 I surveyed around Coyote Springs and the areas to the south. I found GV4, a singing male on a sparsely vegetated hillside just south of the Coyote Springs Picnic area, at 5920 feet. A female bird was seen nearby. I found GV5, a lone singing bird on a dry, sparse hillside to the south, at 5960 feet. I found a pair of birds (GV6) in the back end of a north facing canyon at 6000 feet (Fig. 3). The habitat here was somewhat more lush than GV4 or GV5.

05-19-93 I began surveys at the south end of KAFB. I started in a long strip of Juniper woodland which extended out into the grassland along the southern boundary (with the Pueblo of Isleta). I found four singing males in this section (GV7, GV8, GV9, and GV10), all at approximately 6000 feet. These territories seemed to be defined, as I could hear two birds singing simultaneously at boundaries between territories. Later in the day, I found two more singing males to the east, at approximately 6200 feet, near the base of the foothills. Both these birds, GV11 and GV12, were paired. GV11 (the male) was probably building a nest in the area, as the beak was covered with spider webs.

05-20-93 I continued to survey in the southern area. I worked my way up a prominent canyon which drains off the west side of Mt. Washington (Fig. 3). I heard a singing male (GV13) in the open area at the base of this canyon at 6280 feet. Farther up the canyon, at 6540 feet, I found a pair of Gray Vireos (GV14) constructing a nest in a Juniper overhanging the creek bed.

05-21-93 I continued surveys in the southern area, working my way north along the foothills. I found GV15, a singing male, at the base of a small canyon, at 6360 feet. A singing male (GV16), with spider webs in beak, was located up a steep, densely vegetated draw, at about 6520. That afternoon, I heard a lone singing bird (GV17) on a steep, sparsely vegetated, south-facing hillside (Fig. 3).

05-26-93 Surveys were continued, working south from areas surveyed on 05-18. I located GV18 at about 6100 feet up a small draw in typical habitat. GV19 was heard singing at 6040 at the base of the canyon to the south. This bird was paired and carrying spider webs in its beak. I followed this pair through much of the afternoon, hoping to locate a nest. I was not successful. I found another pair GV20 about half a mile up the canyon on a steep hillside at about 6300 feet.

05-28-93 I continued surveys in the next canyon to the south. I heard a singing bird (GV21) in the back end of this canyon at 6300 feet. This bird had spider webs in beak, but no mate was seen. Later in the day, I located another singing Gray Vireo (GV22) near the mouth of the canyon to the south at around 6200 feet. After following this bird, I saw its probable mate. At this point, I had reached the site where I completed surveys on 05-21. This completed surveys on the western slope of the Manzanita foothills.

05-29-93 I began surveys in a major side canyon which enters Arroyo Coyote from the south. I located a pair (GV23) at about 6120 feet up a draw. In a small canyon to the west, I located another pair (GV24) at 6120. When I got to the east end of this draw, I heard another singing bird, which probably represented GV2.

05-30-93 At this time, all areas designated for survey had been covered, so I began follow-up work. This day, I worked my way up towards the nest (GV14) to check on it. I walked through the territories of GV11, GV12 and GV13. I heard singing birds in each of these areas. Upon reaching the nest I found it completed, but apparently not in use.

06-17-93 I returned to check on the nest and again found it abandoned, but I heard a Gray Vireo singing on a hillside nearby. I spent the rest of the day looking for nests in the area of GV11, GV12 and GV13, but was unable to locate one.

07-06-93 This day, I was joined by Hart Schwarz, a Forest Service biologist who has worked with Gray Vireos in the past. We went to the southern area, starting in the long strip of Junipers on the south boundary, where GV7, GV8, GV9 and GV10 were found. We heard only one distant Vireo in this area, suggesting that the birds found earlier may have moved up to breed. Hart and I then checked on the nest (GV14) and again found that it was not in use. Late in the morning, I located an active nest in the lower part of this canyon (Fig. 3). This nest probably represented GV12. The nest contained a recently hatched cowbird and three Gray Vireo eggs. In the afternoon we went to the north area, near Arroyo Coyote to look for more nests in the area of GV23 and GV24. We found no nests, but heard several Gray Vireos.

07-07-93 I began looking for nests in the canyon of GV16 and GV17. I followed singing birds through out the day, but could not find a nest.

07-27-93 I returned to the active nest found on 07-07 and found it to be empty, with some weathered shell fragments in the bottom. I searched the area for fledglings, but saw no Gray Vireos in the area. I heard one distant singing bird near GV11 to the south. Gray Vireos seemed less vocal by late July.

07-28-93 I returned to the canyon where I found GV16 and GV17 to look for fledglings. I found one singing adult in this area. I worked my way south into the areas of GV18 and GV19. I heard one distant singing bird, but saw no fledglings.

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Appendix K

Analytical Data Quality Assurance and Quality Control

K.1 Laboratory Quality Control - Sample Acceptance Criteria and Instrument Detection Limit

K.1.a Ceimic Laboratory QC

CEIMIC CORPORATION

Precision & Accuracy Limits

Aqueous

Analytes	Lab Control Standard		Surrogate Standard % Recovery+
	RPD (max.)	% Recovery	
Volatiles (8240):			
Trichloroethene	20*	70 – 130	–
Benzene	20*	76 – 124	–
Toluene	20*	75 – 125	–
Chlorobenzene	20*	75 – 125	–
1,1 – Dichloroethene	20*	62 – 118	–
Toluene – d8	–	–	86 – 115
4 – Bromofluorobenzene	–	–	86 – 118
Dibromofluoromethane	–	–	88 – 110
Semivolatiles (8270):			
Phenol	30*	11 – 98	–
2 – Chlorophenol	30*	28 – 96	–
N – Nitroso – di – n – propylamine	30*	29 – 108	–
4 – Chloro – 3 – methylphenol	30*	32 – 99	–
Acenaphthene	30*	34 – 129	–
4 – Nitrophenol	30*	17 – 135	–
Pentachlorophenol	40*	21 – 128	–
Pyrene	30*	28 – 118	–
1,4 – Dichlorobenzene	30*	30 – 88	–
1,2,4 – Trichlorobenzene	30*	31 – 89	–
2,4 – Dinitrotoluene	30*	34 – 105	–
Nitrobenzene – d5	–	–	35 – 114
2 – Fluorobiphenyl	–	–	43 – 116
p – Terphenyl – d14	–	–	33 – 141
Phenol – d6	–	–	10 – 94
2 – Fluorophenol	–	–	21 – 100
2,4,6 – Tribromophenol	–	–	10 – 123
Metals:			
Aluminum	10*	75 – 125+	–
Antimony	10*	75 – 125+	–
Arsenic	10*	75 – 125+	–
Barium	10*	75 – 125+	–
Beryllium	10*	75 – 125+	–
Cadmium	10*	75 – 125+	–
Calcium	10*	75 – 125+	–
Chromium	10*	75 – 125+	–
Cobalt	10*	75 – 125+	–
Copper	10*	75 – 125+	–
Iron	10*	75 – 125+	–
Lead	10*	75 – 125+	–
Magnesium	10*	75 – 125+	–
Manganese	10*	75 – 125+	–
Mercury	10*	75 – 125+	–
Nickel	10*	75 – 125+	–
Potassium	10*	75 – 125+	–
Selenium	10*	75 – 125+	–
Silver	10*	75 – 125+	–
Sodium	10*	75 – 125+	–
Thallium	10*	75 – 125+	–
Vanadium	10*	75 – 125+	–
Zinc	10*	75 – 125+	–

* Not statistically determined.

\+ As defined by the methodology.

CEIMIC CORPORATION

Precision & Accuracy Limits
Soil

Analytes	Lab Control Standard		Surrogate Standard % Recovery+
	RPD (max.)	% Recovery	
Volatiles (8240):			
Trichloroethene	20*	65 – 135	–
Benzene	20*	64 – 136	–
Toluene	20*	67 – 133	–
Chlorobenzene	20*	66 – 133	–
1,1 – Dichloroethene	20*	52 – 136	–
Toluene – d8	–	–	74 – 121
4 – Bromofluorobenzene	–	–	80 – 120
Dibromofluoromethane	–	–	81 – 117
Semivolatiles (8270):			
Phenol	30*	20 – 100	–
2 – Chlorophenol	30*	23 – 94	–
N – Nitroso – di – n – propylamine	30*	15 – 111	–
4 – Chloro – 3 – methylphenol	30*	26 – 108	–
Acenaphthene	30*	27 – 129	–
4 – Nitrophenol	30*	9 – 136	–
Pentachlorophenol	40*	4 – 128	–
Pyrene	30*	9 – 132	–
1,4 – Dichlorobenzene	30*	25 – 94	–
1,2,4 – Trichlorobenzene	30*	28 – 94	–
2,4 – Dinitrotoluene	30*	29 – 111	–
Nitrobenzene – d5	–	–	23 – 120
2 – Fluorobiphenyl	–	–	30 – 115
p – Terphenyl – d14	–	–	18 – 137
Phenol – d6	–	–	24 – 113
2 – Fluorophenol	–	–	25 – 121
2,4,6 – Tribromophenol	–	–	19 – 122
Metals:			
Aluminum	10*	56 – 154	–
Antimony	10*	2 – 194	–
Arsenic	10*	84 – 118	–
Barium	10*	74 – 106	–
Beryllium	10*	81 – 114	–
Cadmium	10*	84 – 118	–
Calcium	10*	76 – 122	–
Chromium	10*	55 – 131	–
Cobalt	10*	80 – 115	–
Copper	10*	80 – 118	–
Iron	10*	43 – 142	–
Lead	10*	74 – 115	–
Magnesium	10*	75 – 135	–
Manganese	10*	74 – 118	–
Mercury	10*	74 – 114	–
Nickel	10*	78 – 111	–
Potassium	10*	76 – 112	–
Selenium	10*	70 – 120	–
Silver	10*	80 – 106	–
Sodium	10*	78 – 138	–
Thallium	10*	85 – 109	–
Vanadium	10*	64 – 116	–
Zinc	10*	81 – 112	–

* Not statistically determined.
\+ As defined by the methodology.

Volatile Organics (8240)

Method Detection Limits

Aqueous

CEIMIC CORPORATION
VOALATILE ORGANICS ANALYSIS
METHOD DETECTION LIMITS
EPA METHOD 624/8240 LOW WATER

January, 1994

	Sample Concentration (ppb) ID: MS2								
Target Analyte	BJ161	BJ163	BJ165	BJ166	BJ167	BJ168	BJ169	Amt. Spiked	MDL
Chloromethane	5.46	5.22	3.01	5.27	5.54	4.44	5.17	5	2.81
Bromomethane	5.21	6.19	6.59	6.63	5.44	3.59	4.51	5	3.55
Vinyl chloride	4.46	4.72	5.35	5.45	3.99	3.84	4.28	5	1.97
Chloroethane	4.13	4.39	4.91	5.60	2.93	1.29	2.05	5	4.94
Methylene chloride	5.55	6.11	6.85	6.45	6.39	5.83	6.44	5	1.37
Acetone	6.80	7.61	7.19	8.14	11.09	10.91	9.86	5	5.63
Carbon disulfide	4.94	5.35	6.02	5.56	4.99	5.37	5.23	5	1.15
1,1-Dichloroethene	4.56	5.23	5.78	5.91	4.99	4.75	4.61	5	1.72
1,1-Dichloroethane	5.32	5.60	5.98	6.06	5.44	5.52	6.18	5	1.06
1,2-Dichloroethene (total)	10.13	10.83	12.60	12.03	10.54	11.13	11.17	10	2.68
Chloroform	5.57	5.74	6.81	6.44	5.94	5.93	6.49	5	1.42
2-Butanone	3.21	5.40	6.49	4.33	6.30	6.85	6.79	5	4.38
1,1,1-Trichloroethane	5.12	5.53	6.84	6.22	5.38	5.65	6.22	5	1.89
1,2-Dichloroethane	5.57	5.95	7.36	6.78	5.92	6.30	7.25	5	2.19
Carbon tetrachloride	4.84	4.74	4.78	5.66	5.29	5.37	5.85	5	1.39
Bromodichloromethane	5.18	5.64	5.96	6.22	5.69	5.42	6.77	5	1.67
1,2-Dichloropropane	5.06	5.32	5.78	6.07	6.31	5.33	6.71	5	1.89
cis-1,3-Dichloropropene	4.70	4.85	4.70	5.31	5.06	4.51	5.72	5	1.32
Trichloroethene	5.23	5.43	6.05	6.53	5.86	5.78	6.27	5	1.43
Dibromochloromethane	5.04	5.38	5.49	5.93	5.12	5.23	6.48	5	1.61
1,1,2-Trichloroethane	5.18	5.58	6.18	6.29	5.78	5.77	7.06	5	1.89
Benzene	5.46	5.73	7.57	6.48	6.04	5.77	7.01	5	2.41
trans-1,3-Dichloropropene	4.37	4.40	4.90	4.69	4.59	4.23	5.01	5	0.91
Bromoform	4.82	5.23	5.03	5.56	5.06	5.46	6.32	5	1.56
4-Methyl-2-pentanone	4.63	4.69	5.22	5.01	4.29	5.40	5.14	5	1.22
2-Hexanone	4.47	4.13	3.89	4.47	4.16	4.43	4.83	5	0.96
1,1,2,2-Tetrachloroethane	5.31	6.05	6.12	5.90	5.55	5.21	6.47	5	1.44
Tetrachloroethene	5.30	5.50	5.91	6.43	5.18	5.54	5.97	5	1.38
Toluene	5.39	5.47	5.96	6.49	5.72	5.43	6.18	5	1.32
Chlorobenzene	5.55	5.63	6.02	6.76	5.98	5.97	6.47	5	1.37
Ethylbenzene	5.17	5.43	5.76	6.08	5.34	5.43	6.13	5	1.18
Styrene	5.05	4.99	5.64	5.86	5.34	5.74	5.52	5	1.05
Xylene (Total)	4.84	5.14	5.74	6.19	5.18	5.24	5.78	5	1.47

CEIMIC CORPORATION

VOLATILE ORGANICS ANALYSIS

METHOD DETECTION LIMITS

EPA METHOD 624/8240 LOW WATER

July, 1994

Target Analyte	Sample concentration (ppb) ID:MS3								
	CG976	CG977	CG979	CG980	CG981	CG983	CG984	Amt. Spiked	MDL
Chloromethane	5.33	4.95	5.39	5.38	5.78	5.69	5.97	5	1.16
Bromomethane	4.73	4.74	5.54	4.48	4.96	5.14	4.81	5	1.17
Vinyl chloride	4.11	3.95	4.63	4.48	4.53	4.68	4.41	5	0.92
Chloroethane	3.85	4.56	4.61	4.46	5.41	4.21	5.18	5	1.82
Methylene chloride	4.81	3.91	4.53	3.98	4.92	3.72	2.59	5	2.71
Acetone	5.47	5.24	4.68	5.23	4.94	6.46	5.18	5	1.92
Carbon disulfide	4.04	4.16	4.67	4.09	5.39	4.63	4.57	5	1.60
1,1-Dichloroethene	3.77	3.73	4.04	3.95	4.34	3.63	3.56	5	0.91
1,1-Dichloroethane	4.60	4.57	4.38	3.99	4.35	4.08	4.49	5	0.80
1,2-Dichloroethene (total)	8.52	8.25	9.26	8.44	8.86	8.82	9.43	10	1.47
Chloroform	4.21	4.23	4.16	3.87	4.15	4.27	4.34	5	0.51
2-Butanone	4.79	7.18	7.00	6.17	7.36	7.21	5.95	5	3.18
1,1,1-Trichloroethane	4.30	4.17	4.68	4.00	4.28	4.34	5.02	5	1.16
1,2-Dichloroethane	5.57	5.71	4.38	5.05	5.56	5.58	5.90	5	1.75
Carbon tetrachloride	2.61	2.49	2.71	2.76	2.72	2.70	2.89	5	0.42
Bromodichloromethane	4.08	3.87	3.99	3.56	3.42	3.80	3.88	5	0.79
1,2-Dichloropropane	4.30	4.25	4.09	4.03	4.14	4.23	4.38	5	0.42
cis-1,3-Dichloropropene	3.89	3.76	3.53	3.36	3.57	3.59	3.68	5	0.58
Trichloroethene	4.75	4.23	4.29	3.91	4.51	4.18	4.16	5	0.91
Dibromochloromethane	3.47	3.53	3.16	3.01	2.94	3.20	3.19	5	0.74
1,1,2-Trichloroethane	4.49	4.51	4.00	3.81	3.94	3.96	4.21	5	0.94
Benzene	5.74	5.51	4.43	5.17	5.60	5.65	5.62	5	1.55
trans-1,3-Dichloropropene	3.84	3.53	3.36	3.23	2.96	3.37	3.42	5	0.91
Bromoform	3.40	3.31	3.34	2.82	2.85	3.26	3.54	5	0.93
4-Methyl-2-pentanone	4.78	4.58	5.06	4.71	4.73	5.03	4.71	5	0.61
2-Hexanone	4.25	4.69	5.37	4.36	4.37	5.37	4.89	5	1.60
1,1,2,2-Tetrachloroethane	5.09	4.87	5.10	4.46	3.60	4.84	4.97	5	1.81
Tetrachloroethene	4.15	4.31	4.18	3.76	4.28	4.16	4.22	5	0.82
Toluene	4.68	4.74	4.81	4.55	4.71	4.60	5.04	5	0.54
Chlorobenzene	4.53	4.43	4.44	4.20	4.30	4.44	4.47	5	0.39
Ethylbenzene	5.04	4.77	4.76	4.53	4.62	4.72	4.90	5	0.58
Styrene	4.22	3.96	4.60	3.97	4.47	4.65	4.74	5	1.11
Xylene (Total)	4.36	3.91	4.80	4.15	4.68	4.79	4.45	5	1.14

CEIMIC CORPORATION

VOLATILE ORGANIC ANALYSIS
METHOD DETECTION LIMITS
EPA METHOD 624/8240

September, 1994

	Sample Concentration (ppb) ID: MS5								
Target Analyte	EE599	EE600	EE601	EE602	EE603	EE604	EE605	Amt. Spiked	MDL
Chloromethane	4.79	4.74	4.51	4.74	4.50	4.12	4.61	5	0.78
Bromomethane	6.88	5.36	5.54	6.63	6.46	5.63	6.50	5	2.08
Vinyl chloride	5.28	5.13	4.24	5.11	4.24	4.49	4.45	5	1.53
Chloroethane	4.26	4.77	4.33	5.03	4.86	4.91	4.97	5	1.05
Methylene chloride	7.14	7.01	6.38	7.33	7.27	6.75	6.85	5	1.13
Acetone	10.33	8.05	10.69	10.98	9.12	9.25	8.64	5	3.75
Carbon disulfide	4.00	3.84	3.51	3.76	3.75	3.69	3.71	5	0.51
1,1-Dichloroethene	5.17	5.26	4.16	4.97	4.82	4.73	4.80	5	1.23
1,1-Dichloroethane	4.72	4.89	4.33	4.93	4.91	4.71	4.64	5	0.72
1,2-Dichloroethene (total)	8.86	9.03	7.53	8.82	8.83	8.36	8.83	10	1.76
Chloroform	4.82	4.84	4.28	4.87	4.74	4.48	4.80	5	0.76
2-Butanone	8.86	8.62	6.22	8.45	8.56	6.21	8.11	5	3.89
1,1,1-Trichloroethane	4.98	5.21	4.69	5.79	5.27	4.59	5.57	5	1.49
1,2-Dichloroethane	4.83	4.59	4.39	4.95	4.94	4.50	4.70	5	0.74
Carbon tetrachloride	3.66	4.13	3.88	3.74	3.91	3.80	3.77	5	0.52
Bromodichloromethane	4.01	4.16	3.67	4.11	4.06	3.79	4.16	5	0.65
1,2-Dichloropropane	5.39	5.46	5.00	5.34	5.14	4.66	5.15	5	0.93
cis-1,3-Dichloropropene	3.62	3.76	3.25	3.73	3.81	3.16	3.65	5	0.88
Trichloroethene	5.16	5.23	4.63	5.25	4.90	4.85	5.23	5	0.83
Dibromochloromethane	4.24	4.32	4.06	4.45	4.03	3.73	4.29	5	0.81
1,1,2-Trichloroethane	5.08	5.41	5.40	5.63	5.39	4.85	5.04	5	0.92
Benzene	5.00	5.04	4.72	5.17	4.85	4.73	5.35	5	0.80
trans-1,3-Dichloropropene	3.52	3.57	3.08	3.54	3.44	2.90	3.04	5	0.95
Bromoform	3.76	3.88	3.47	4.02	3.66	3.39	3.72	5	0.75
4-Methyl-2-pentanone	6.42	6.73	5.29	6.89	6.59	5.41	5.94	5	2.19
2-Hexanone	5.60	5.49	5.28	5.30	5.00	4.22	5.14	5	1.55
1,1,2,2-Tetrachloroethane	5.28	5.14	4.68	5.37	5.35	4.60	5.09	5	1.06
Tetrachloroethene	4.90	4.60	4.30	4.95	5.31	4.57	4.71	5	1.11
Toluene	4.63	4.78	4.36	4.94	4.75	4.51	4.98	5	0.76
Chlorobenzene	4.83	4.96	4.67	4.93	4.93	4.62	5.28	5	0.74
Ethylbenzene	4.33	4.54	3.91	4.61	4.68	4.31	4.50	5	0.89
Styrene	4.39	4.39	3.90	4.56	4.50	4.05	4.59	5	0.90
Xylene (Total)	4.70	4.70	4.49	5.05	4.71	4.45	4.81	5	0.67

CEIMIC CORPORATION

VOLATILE ORGANICS ANALYSIS
METHOD DETECTION LIMITS
EPA METHOD 624/8240 LOW WATER

January, 1994

	Sample Concentration (ppb)							ID: MS6	
Target Analyte	FB266	FB268	FB269	FB270	FB271	FB272	FB273	Amt. Spiked	MDL
Chloromethane	5.48	4.88	5.61	4.79	5.04	5.29	4.74	5	1.09
Bromomethane	6.45	5.87	5.84	3.78	6.38	6.17	4.17	5	3.42
Vinyl chloride	5.27	4.68	4.13	4.54	4.88	4.42	4.50	5	1.14
Chloroethane	5.19	4.52	4.20	4.78	4.89	4.61	5.12	5	1.09
Methylene chloride	5.34	5.09	5.16	5.12	5.29	5.37	4.84	5	0.58
Acetone	9.88	8.34	11.63	2.81	7.22	6.64	11.19	5	9.59
Carbon disulfide	4.50	3.94	3.74	3.91	4.23	4.22	4.10	5	0.79
1,1-Dichloroethene	4.33	3.77	3.68	4.13	3.56	3.92	3.90	5	0.83
1,1-Dichloroethane	5.06	4.54	4.40	4.42	4.79	4.99	4.84	5	0.85
1,2-Dichloroethene (total)	9.24	8.66	8.06	8.63	8.70	8.81	8.62	10	1.09
Chloroform	5.09	4.57	4.39	4.85	4.99	4.94	5.12	5	0.85
2-Butanone	7.65	6.61	7.77	6.96	6.74	6.68	7.59	5	1.59
1,1,1-Trichloroethane	5.08	4.50	4.58	4.83	4.58	4.81	4.52	5	0.67
1,2-Dichloroethane	5.61	5.20	5.35	5.41	5.50	5.71	5.60	5	0.55
Carbon tetrachloride	4.16	3.79	3.83	4.22	3.73	4.31	3.97	5	0.72
Bromodichloromethane	4.61	4.03	4.28	4.87	4.77	4.54	4.67	5	0.92
1,2-Dichloropropane	5.42	4.89	5.12	5.17	5.28	5.50	5.39	5	0.67
cis-1,3-Dichloropropene	4.50	4.05	3.87	4.57	4.35	4.30	4.55	5	0.83
Trichloroethene	4.45	3.79	3.71	4.47	4.59	4.20	4.05	5	1.09
Dibromochloromethane	4.48	3.59	3.94	4.41	4.28	4.20	4.50	5	1.04
1,1,2-Trichloroethane	5.07	4.62	4.60	4.82	4.99	5.07	5.58	5	1.06
Benzene	5.49	4.88	4.91	4.98	5.38	5.36	5.04	5	0.80
trans-1,3-Dichloropropene	4.31	3.74	3.98	4.21	4.02	3.73	4.22	5	0.74
Bromoform	4.09	3.79	3.90	4.13	4.00	4.07	4.33	5	0.54
4-Methyl-2-pentanone	5.84	5.91	5.10	7.10	5.55	5.78	8.18	5	3.34
2-Hexanone	5.82	5.59	5.20	6.17	5.30	6.36	7.97	5	2.96
1,1,2,2-Tetrachloroethane	6.30	5.71	5.74	5.94	5.98	6.07	6.06	5	0.64
Tetrachloroethene	4.61	3.69	3.58	3.77	3.71	3.73	3.73	5	1.09
Toluene	5.12	4.52	4.21	4.83	4.64	4.60	4.51	5	0.89
Chlorobenzene	5.15	4.35	4.47	4.45	4.73	4.60	4.39	5	0.88
Ethylbenzene	4.70	4.48	4.26	4.48	4.22	4.66	4.27	5	0.61
Styrene	4.51	4.07	3.85	4.07	4.31	4.28	4.28	5	0.68
Xylene (Total)	4.59	4.17	4.09	4.44	4.41	4.34	4.04	5	0.64

CEIMIC CORPORATION
VOLATILE ORGANICS ANALYSIS
METHOD DETECTION LIMITS
EPA METHOD 624/8240 LOW WATER

February, 1994

	Sample Concentration (ug/l) ID: MS7								
Target Analyte	G6905	G6906	G6908	G6909	G6910	G6912	G6913	Amt. Spiked	MDL
Chloromethane	6.41	5.40	4.84	5.32	4.92	6.11	4.69	5	2.06
Bromomethane	6.27	4.95	5.24	5.04	5.53	6.24	5.57	5	1.68
Vinyl chloride	5.94	5.18	5.19	5.29	5.22	5.45	5.22	5	0.87
Chloroethane	5.47	4.62	4.79	3.91	4.95	4.93	5.43	5	1.66
Methylene chloride	6.14	5.59	5.73	5.52	6.06	6.44	6.02	5	1.04
Acetone	10.11	12.09	11.36	13.25	10.85	11.76	12.06	5	3.15
Carbon disulfide	5.71	5.00	5.23	5.30	5.76	6.06	5.58	5	1.15
1,1-Dichloroethene	5.88	5.53	6.26	6.34	6.23	6.57	5.96	5	1.09
1,1-Dichloroethane	5.27	4.89	4.65	4.84	5.03	5.69	5.00	5	1.06
1,2-Dichloroethene (total)	11.47	11.50	12.24	12.21	12.47	13.69	11.62	10	2.45
Chloroform	5.55	4.91	5.13	5.09	5.42	5.91	5.55	5	1.07
2-Butanone	6.43	5.22	6.55	5.67	5.33	6.42	5.82	5	1.73
1,1,1-Trichloroethane	5.08	4.77	5.12	5.15	5.01	5.90	5.73	5	1.28
1,2-Dichloroethane	5.88	5.24	5.29	5.06	5.48	6.20	5.44	5	1.25
Carbon tetrachloride	4.60	4.30	4.40	4.80	3.89	2.87	4.35	5	2.01
Bromodichloromethane	4.93	4.69	5.03	5.10	4.90	5.00	5.20	5	0.52
1,2-Dichloropropane	5.78	5.07	4.66	5.26	4.81	5.32	4.90	5	1.18
cis-1,3-Dichloropropene	5.29	4.69	4.35	4.96	4.71	4.96	4.47	5	1.01
Trichloroethene	5.15	4.57	5.00	5.35	5.25	5.62	5.46	5	1.08
Dibromochloromethane	5.03	4.66	5.04	5.10	4.64	4.35	5.12	5	0.94
1,1,2-Trichloroethane	5.15	5.09	5.45	5.54	5.15	5.47	5.74	5	0.77
Benzene	5.19	4.95	4.95	5.25	5.12	5.64	5.41	5	0.78
trans-1,3-Dichloropropene	5.48	4.35	5.24	5.25	4.80	5.01	4.93	5	1.16
Bromoform	5.11	4.78	5.32	5.48	4.50	3.85	4.96	5	1.73
4-Methyl-2-pentanone	6.69	6.80	6.98	6.99	6.12	6.99	5.57	5	1.72
2-Hexanone	6.92	6.70	8.09	7.47	7.12	7.25	6.59	5	1.61
1,1,2,2-Tetrachloroethane	6.42	5.83	6.47	6.17	5.70	5.85	5.84	5	0.97
Tetrachloroethene	5.52	4.93	5.12	5.64	5.32	5.71	5.32	5	0.88
Toluene	5.71	4.93	5.25	5.43	5.39	5.83	5.47	5	0.93
Chlorobenzene	5.86	4.93	5.18	5.44	5.23	5.67	5.48	5	0.99
Ethylbenzene	5.92	5.36	5.74	5.99	5.60	6.11	5.77	5	0.79
Styrene	5.42	4.95	5.37	5.62	5.39	5.72	5.36	5	0.77
Xylene (Total)	5.97	5.16	5.54	5.83	5.42	6.01	5.70	5	0.97

CEIMIC CORPORATION

VOLATILE ORGANICS ANALYSIS
METHOD DETECTION LIMITS
EPA METHOD 624/8240 LOW WATER

January, 1994

	Sample Concentration (ppb)					ID: MS8			
Target Analyte	H3570	H3571	H3572	H3573	H3575	H3577	H3578	Amt. Spiked	MDL
Chloromethane	5.00	5.06	5.03	4.91	5.41	5.76	4.94	5	0.98
Bromomethane	4.94	4.84	4.96	5.11	5.42	5.30	4.98	5	0.66
Vinyl chloride	4.20	4.61	4.68	4.65	5.36	5.25	4.80	5	1.24
Chloroethane	4.28	3.89	4.56	4.27	4.72	4.43	4.62	5	0.88
Methylene chloride	5.27	5.05	5.63	5.39	5.30	4.80	4.41	5	1.28
Acetone	10.87	12.01	11.51	16.79	10.75	9.03	13.36	5	7.77
Carbon disulfide	4.17	4.26	4.14	4.22	4.45	4.22	4.00	5	0.43
1,1-Dichloroethene	5.11	5.42	5.51	5.41	5.45	4.69	4.44	5	1.33
1,1-Dichloroethane	5.04	5.09	5.35	5.30	4.93	4.59	4.15	5	1.33
1,2-Dichloroethene (total)	7.95	7.98	8.88	8.32	8.84	8.12	7.50	10	1.57
Chloroform	5.16	5.08	5.62	5.33	5.26	4.54	4.56	5	1.26
2-Butanone	7.58	8.21	9.70	7.47	8.07	8.57	7.59	5	2.46
1,1,1-Trichloroethane	4.08	3.98	4.82	4.40	5.40	4.70	4.56	5	1.51
1,2-Dichloroethane	4.84	4.63	5.56	5.27	5.44	5.32	4.81	5	1.13
Carbon tetrachloride	4.63	4.81	5.74	5.08	5.16	4.97	4.05	5	1.63
Bromodichloromethane	4.49	4.12	5.12	4.57	5.09	4.87	4.18	5	1.28
1,2-Dichloropropane	5.48	5.13	6.28	5.62	5.75	5.15	4.37	5	1.88
cis-1,3-Dichloropropene	4.25	3.95	4.78	4.22	4.91	4.25	3.57	5	1.44
Trichloroethene	5.11	5.10	5.87	5.48	5.97	5.03	4.36	5	1.74
Dibromochloromethane	5.16	4.89	6.10	5.28	5.63	5.25	4.37	5	1.71
1,1,2-Trichloroethane	5.37	5.20	6.58	5.51	5.95	5.35	4.61	5	1.94
Benzene	4.44	4.06	4.98	4.38	5.01	4.52	3.84	5	1.37
trans-1,3-Dichloropropene	4.33	4.05	5.22	4.67	4.85	4.46	4.01	5	1.37
Bromoform	4.29	4.44	5.52	4.60	5.27	5.35	4.15	5	1.77
4-Methyl-2-pentanone	5.32	7.03	8.30	6.68	7.80	7.46	6.41	5	3.09
2-Hexanone	5.75	7.08	7.41	7.03	7.56	6.93	6.36	5	1.97
1,1,2,2-Tetrachloroethane	4.86	5.73	6.58	5.53	5.70	5.74	5.24	5	1.67
Tetrachloroethene	5.43	5.16	5.88	5.41	5.76	4.92	4.59	5	1.43
Toluene	4.46	4.19	4.66	4.40	4.81	4.22	4.00	5	0.89
Chlorobenzene	5.34	4.93	5.81	5.43	5.42	4.87	4.37	5	1.49
Ethylbenzene	4.38	4.09	4.79	4.20	4.88	4.40	4.06	5	1.02
Styrene	4.20	3.91	4.61	4.10	4.54	4.36	3.91	5	0.89
Xylene (Total)	4.46	4.18	4.80	4.30	4.79	4.66	4.23	5	0.83

Volatile Organics (8240)

Method Detection Limits

Soil

CEIMIC CORPORATION

VOLATILE ORGANICS ANALYSIS
METHOD DETECTION LIMITS
EPA METHOD 624/8240 LOW SOIL

Febraury, 1994

	Sample Concentration (ug/l)							ID: MS2	
Target Analyte	BJ603	BJ604	BJ606	BJ607	BJ608	BJ611	BJ612	Amt. Spiked	MDL
Chloromethane	4.71	4.34	4.84	4.13	3.61	3.73	3.01	5	2.04
Bromomethane	6.59	5.43	6.89	6.76	6.77	4.90	4.63	5	3.07
Vinyl chloride	4.22	4.03	3.92	3.65	2.45	2.88	2.62	5	2.29
Chloroethane	2.98	3.45	2.80	2.44	2.52	2.53	1.69	5	1.71
Methylene chloride	3.99	4.33	4.07	4.04	4.15	3.90	3.95	5	0.45
Acetone	5.03	4.26	2.75	2.54	2.70	3.97	3.33	5	2.94
Carbon disulfide	4.16	4.41	4.38	4.15	4.05	3.58	3.87	5	0.91
1,1-Dichloroethene	2.79	2.91	3.43	2.57	2.79	3.05	2.34	5	1.09
1,1-Dichloroethane	3.76	3.81	4.04	3.84	3.33	3.67	3.98	5	0.73
1,2-Dichloroethene (total)	7.80	7.63	7.69	7.64	7.76	7.12	7.47	10	0.72
Chloroform	4.37	4.38	4.16	4.53	4.38	4.27	4.26	5	0.38
2-Butanone	1.42	2.92	2.62	2.69	3.01	1.85	2.01	5	1.90
1,1,1-Trichloroethane	3.91	4.06	4.10	3.68	4.23	4.41	4.40	5	0.83
1,2-Dichloroethane	4.51	4.45	4.67	5.56	5.08	5.06	4.85	5	1.22
Carbon tetrachloride	3.58	3.25	3.01	2.85	2.92	3.07	3.42	5	0.85
Bromodichloromethane	4.03	4.09	4.36	4.76	4.35	4.70	4.80	5	1.00
1,2-Dichloropropane	4.13	4.28	4.14	4.65	4.32	4.64	4.92	5	0.94
cis-1,3-Dichloropropene	3.66	3.49	3.80	3.78	3.75	3.76	4.00	5	0.49
Trichloroethene	3.69	3.51	3.87	4.04	4.07	4.47	4.39	5	1.10
Dibromochloromethane	3.62	3.60	3.71	4.10	4.14	4.61	4.82	5	1.52
1,1,2-Trichloroethane	3.90	3.66	4.16	4.49	4.19	4.69	4.37	5	1.10
Benzene	4.31	4.14	4.29	4.96	5.02	4.65	4.69	5	1.08
trans-1,3-Dichloropropene	3.00	3.21	3.04	3.32	3.33	3.42	3.74	5	0.79
Bromoform	2.80	3.04	2.76	3.29	3.26	3.69	4.12	5	1.54
4-Methyl-2-pentanone	2.13	1.94	1.51	2.44	1.92	2.64	2.28	5	1.17
2-Hexanone	1.60	1.85	1.61	2.26	1.71	2.02	1.73	5	0.76
1,1,2,2-Tetrachloroethane	3.12	3.21	3.13	3.65	3.48	3.82	3.57	5	0.86
Tetrachloroethene	4.01	3.54	3.65	4.12	3.86	4.13	4.03	5	0.73
Toluene	4.00	3.92	3.96	4.33	4.20	4.49	4.06	5	0.66
Chlorobenzene	4.42	4.10	4.40	4.43	4.34	4.54	4.60	5	0.50
Ethylbenzene	4.02	3.91	3.70	4.37	4.13	4.26	3.86	5	0.74
Styrene	4.99	3.83	3.90	4.05	4.04	4.22	4.08	5	1.22
Xylene (Total)	4.17	4.23	3.93	4.30	4.04	4.45	4.12	5	0.53

CEIMIC CORPORATION

VOLATILE ORGANICS ANALYSIS
METHOD DETECTION LIMITS
EPA METHOD 624/8240 LOW SOIL

JULY, 1994

Target Analyte	Sample concentration (ppb) ID: MS3							Amt.	
	CH103	CH104	CH105	CH106	CH110	CH111	CH112	Spiked	MDL
Chloromethane	5.44	5.43	5.45	5.76	5.56	6.15	5.87	5	0.93
Bromomethane	6.69	4.69	5.59	6.48	5.30	6.08	5.61	5	2.36
Vinyl chloride	4.39	4.34	4.85	4.55	4.77	5.03	5.15	5	1.05
Chloroethane	3.15	2.69	2.56	2.94	3.16	3.10	3.50	5	1.08
Methylene chloride	5.15	4.92	5.19	4.05	4.63	5.08	5.12	5	1.40
Acetone	6.65	6.22	8.20	8.99	6.47	7.52	6.57	5	3.53
Carbon disulfide	3.66	3.45	3.19	3.28	3.60	3.73	3.82	5	0.79
1,1-Dichloroethene	5.42	4.81	5.71	5.37	4.66	5.09	5.35	5	1.25
1,1-Dichloroethane	4.85	4.66	5.15	5.32	4.72	4.84	4.96	5	0.80
1,2-Dichloroethene (total)	7.59	7.09	7.70	7.71	7.80	8.54	8.43	10	1.69
Chloroform	4.60	4.55	4.92	5.02	4.27	4.64	4.76	5	0.85
2-Butanone	6.34	6.62	8.71	8.83	7.60	8.50	8.65	5	3.56
1,1,1-Trichloroethane	3.81	4.02	4.30	4.17	4.20	4.58	4.59	5	0.96
1,2-Dichloroethane	4.23	4.01	4.39	4.68	4.45	5.01	4.65	5	1.11
Carbon tetrachloride	3.01	3.08	3.40	3.30	2.64	3.71	2.70	5	1.30
Bromodichloromethane	3.27	3.20	3.60	3.32	3.03	3.69	3.67	5	0.88
1,2-Dichloropropane	4.40	4.56	5.27	4.83	4.24	4.68	4.39	5	1.18
cis-1,3-Dichloropropene	3.20	3.18	3.52	3.43	3.29	3.62	3.67	5	0.67
Trichloroethene	4.63	4.32	4.90	4.78	3.99	4.79	4.66	5	1.09
Dibromochloromethane	3.28	3.10	3.46	3.37	2.75	3.10	3.00	5	0.81
1,1,2-Trichloroethane	4.25	4.34	4.76	4.67	3.72	4.38	4.30	5	1.14
Benzene	3.99	4.05	4.39	4.37	4.35	4.85	4.55	5	0.98
trans-1,3-Dichloropropene	3.03	2.95	3.36	3.29	2.94	3.47	3.56	5	0.86
Bromoform	2.83	2.72	3.19	3.12	2.95	3.28	3.05	5	0.67
4-Methyl-2-pentanone	4.54	5.14	5.49	5.50	5.35	5.78	5.68	5	1.41
2-Hexanone	4.46	5.17	5.66	5.45	5.18	5.38	4.95	5	1.33
1,1,2,2-Tetrachloroethane	4.19	4.50	5.03	4.99	4.49	4.91	4.81	5	1.07
Tetrachloroethene	4.22	4.65	4.45	4.77	3.87	4.78	4.41	5	1.11
Toluene	3.91	4.12	4.26	4.25	4.28	4.70	4.58	5	0.91
Chlorobenzene	4.66	4.53	4.62	4.59	4.02	4.54	4.50	5	0.73
Ethylbenzene	4.01	4.15	4.16	4.45	4.43	4.90	5.02	5	1.31
Styrene	3.53	3.82	3.78	4.05	3.76	4.21	4.03	5	0.77
Xylene (Total)	3.84	3.74	3.97	4.05	4.15	4.52	4.24	5	0.88

CEIMIC CORPORATION

VOLATILE ORGANICS ANALYSIS

METHOD DETECTION LIMITS

EPA METHOD 624/8240 LOW SOIL

September, 1994

Target Analyte	Sample concentration (ppb) ID:MS5								
	EE385	EE386	EE387	EE390	EE391	EE392	EE394	Amt. Spiked	MDL
Chloromethane	6.87	6.61	5.90	6.05	5.91	5.72	5.62	5	1.59
Bromomethane	10.13	8.64	9.11	8.98	10.20	9.82	8.40	5	2.46
Vinyl chloride	6.61	5.98	5.72	5.81	5.87	6.00	5.96	5	0.98
Chloroethane	7.33	7.31	7.25	7.23	7.01	6.98	6.82	5	0.67
Methylene chloride	7.16	6.90	6.30	8.42	6.45	7.02	7.45	5	1.47
Acetone	9.78	10.74	10.72	9.82	10.66	8.46	15.35	5	7.36
Carbon disulfide	5.58	5.48	5.27	4.88	5.13	4.95	5.03	5	0.90
1,1-Dichloroethene	6.49	6.31	5.89	6.17	6.44	6.19	5.96	5	0.77
1,1-Dichloroethane	6.10	5.71	5.59	5.74	6.01	5.75	5.81	5	0.61
1,2-Dichloroethene (total)	11.96	11.73	11.66	11.12	11.81	11.17	11.37	10	1.11
Chloroform	6.00	5.93	5.52	5.95	6.05	6.02	5.72	5	0.66
2-Butanone	9.15	8.42	7.71	9.08	8.88	8.56	8.62	5	1.66
1,1,1-Trichlorcethane	5.61	5.34	5.12	6.04	7.00	5.30	6.06	5	2.20
1,2-Dichloroethane	6.34	5.69	5.58	5.77	6.01	6.26	5.75	5	1.00
Carbon tetrachloride	4.59	4.36	4.12	4.84	5.11	4.89	4.77	5	1.15
Bromodichloromethane	5.10	4.65	4.53	4.81	4.98	4.83	4.78	5	0.64
1,2-Dichloropropane	5.61	5.36	5.37	5.42	5.94	5.74	5.66	5	0.74
cis-1,3-Dichloropropene	4.55	4.21	4.29	4.47	4.69	4.50	4.49	5	0.55
Trichloroethene	5.41	5.71	5.30	5.31	5.80	5.59	5.55	5	0.66
Dibromochloromethane	4.55	4.34	4.43	4.31	4.85	4.61	4.48	5	0.62
1,1,2-Trichloroethane	5.16	5.20	5.15	5.01	5.59	5.42	5.30	5	0.65
Benzene	5.51	5.39	5.79	5.72	5.90	5.86	5.62	5	0.63
trans-1,3-Dichloropropene	4.27	3.58	4.10	4.18	4.35	4.27	4.32	5	0.90
Bromoform	3.96	3.89	3.72	4.01	4.51	4.04	3.94	5	0.83
4-Methyl-2-pentanone	4.80	4.98	4.60	4.91	5.13	5.26	4.63	5	0.84
2-Hexanone	4.89	4.41	4.54	4.51	4.64	5.32	4.07	5	1.34
1,1,2,2-Tetrachloroethane	5.06	4.07	4.81	4.89	5.26	5.02	4.81	5	1.27
Tetrachloroethene	5.10	5.01	4.85	5.29	5.60	5.33	4.99	5	0.86
Toluene	5.25	5.38	5.29	5.21	5.55	5.43	5.13	5	0.48
Chlorobenzene	4.86	5.02	4.89	4.94	5.20	5.08	4.83	5	0.45
Ethylbenzene	5.04	4.79	4.96	4.83	5.30	4.99	4.74	5	0.64
Styrene	4.75	4.83	4.75	4.68	4.80	4.88	4.76	5	0.32
Xylene (Total)	5.24	5.36	5.15	4.77	5.22	5.21	5.17	5	0.63

CEIMIC CORPORATION
VOLATILE ORGANICS ANALYSIS
METHOD DETECTION LIMITS
EPA METHOD 624/8240 LOW SOIL

February, 1994

	Sample Concentration (ppb)				ID: MS8				
Target Analyte	H3869	H3871	H3873	H3874	H3875	H3876	H3877	Amt. Spiked	MDL
Chloromethane	4.50	3.91	4.04	4.08	3.97	3.78	4.06	5	0.71
Bromomethane	5.17	4.59	4.52	4.32	4.48	4.06	4.33	5	1.09
Vinyl chloride	4.45	4.11	3.65	4.02	4.11	4.14	3.84	5	0.79
Chloroethane	3.98	3.89	3.53	3.49	3.91	3.41	3.46	5	0.78
Methylene chloride	4.24	4.38	4.35	4.35	5.09	4.23	4.60	5	0.96
Acetone	6.92	7.02	8.33	7.98	6.42	5.46	8.13	5	3.28
Carbon disulfide	3.91	3.77	4.50	4.44	4.05	3.49	3.63	5	1.21
1,1-Dichloroethene	3.54	2.70	3.25	3.71	3.93	3.51	3.51	5	1.23
1,1-Dichloroethane	4.98	4.73	4.94	4.88	6.02	5.29	5.75	5	1.52
1,2-Dichloroethene (total)	10.26	9.95	10.21	10.52	10.91	9.47	9.65	10	1.56
Chloroform	5.18	5.02	5.13	5.09	5.94	5.59	5.81	5	1.19
2-Butanone	9.91	8.07	9.47	9.31	8.86	8.37	8.75	5	2.02
1,1,1-Trichloroethane	4.35	4.22	4.65	4.33	4.80	4.91	4.84	5	0.89
1,2-Dichloroethane	5.56	5.65	6.17	6.05	6.13	5.60	5.91	5	0.83
Carbon tetrachloride	3.63	3.53	3.87	4.10	5.12	4.65	4.75	5	1.92
Bromodichloromethane	4.30	4.06	4.43	4.36	4.61	4.11	4.37	5	0.59
1,2-Dichloropropane	4.74	4.51	4.68	4.53	5.66	5.06	4.65	5	1.24
cis-1,3-Dichloropropene	4.31	3.86	4.39	4.19	4.42	4.00	4.10	5	0.66
Trichloroethene	4.50	4.29	4.32	4.51	5.40	4.41	4.62	5	1.19
Dibromochloromethane	3.95	3.56	3.54	3.56	4.60	3.78	4.13	5	1.23
1,1,2-Trichloroethane	4.14	3.95	3.81	3.84	4.83	4.16	4.35	5	1.11
Benzene	4.11	4.05	4.13	4.02	4.36	3.90	4.12	5	0.44
trans-1,3-Dichloropropene	3.55	3.45	3.69	3.63	3.83	3.34	3.49	5	0.51
Bromoform	3.57	3.37	3.40	3.49	3.70	3.06	3.31	5	0.64
4-Methyl-2-pentanone	6.55	5.62	6.82	6.65	6.57	5.58	5.88	5	1.65
2-Hexanone	5.89	5.46	5.87	6.70	5.88	4.81	5.54	5	1.80
1,1,2,2-Tetrachloroethane	3.56	3.30	3.64	3.30	3.46	3.21	3.28	5	0.51
Tetrachloroethene	3.92	3.66	4.04	3.88	4.87	4.70	4.66	5	1.52
Toluene	4.29	4.03	4.28	4.29	4.69	4.20	4.33	5	0.42
Chlorobenzene	3.99	3.76	3.71	3.72	4.61	4.16	4.23	5	1.04
Ethylbenzene	3.82	3.45	3.50	3.68	4.27	3.59	3.86	5	0.88
Styrene	3.38	3.06	3.66	3.54	3.51	3.07	3.07	5	0.81
Xylene (Total)	3.34	3.16	3.67	3.76	3.62	3.27	3.34	5	0.72

Semivolatile Organics (8270)

Method Detection Limits

Aqueous

CEIMIC CORPORATION
SEMI–VOLATILE ORGANICS ANALYSIS
METHOD DETECTION LIMITS
EPA METHOD 625

INSTRUMENT: MS1 **MATRIX: WATER** **DATE ANALYZED: MARCH '94**

	SAMPLE CONCENTRATION: ppb (AMOUNT SPIKED: 10ppm)								
DATA FILE	AE087	AE095	AE089	AE090	AE093	AE094	AE096		
TARGET ANALYTES	SMDL–1	SMDL–2	SMDL–3	SMDL–4	SMDL–5	SMDL–6	SMDL–7	STD	MDL
Phenol	8.37	9.44	8.76	9.36	9.19	9.00	8.72	0.38	1.21
Bis(–2–Chloroethyl)Ether	8.83	9.59	8.86	9.74	9.08	9.34	8.68	0.41	1.27
2–Chlorophenol	8.40	8.95	8.21	9.08	8.54	8.72	8.23	0.34	1.08
1,3–Dichlorobenzene	7.67	8.06	7.47	8.29	7.79	7.95	7.38	0.32	1.02
1,4–Dichlorobenzene	7.33	7.67	7.12	8.00	7.50	7.39	7.09	0.32	1.00
1,2–Dichlorobenzene	8.04	8.27	7.77	8.47	8.13	8.21	7.69	0.28	0.87
2–Methylphenol	7.94	8.70	8.22	8.90	8.56	8.60	7.59	0.46	1.46
2,2'–oxybis(1–Chloropropane)	8.31	8.97	8.45	9.25	8.71	8.78	8.17	0.38	1.20
4–Methylphenol	8.46	9.07	8.76	9.35	8.77	8.92	7.79	0.50	1.57
N–Nitroso–Di–n–propylamine	8.28	8.93	8.42	8.97	8.78	8.71	8.17	0.32	1.01
Hexachloroethane	7.28	7.82	7.18	7.89	7.53	7.47	6.89	0.36	1.12
Nitrobenzene	8.74	10.00	9.32	9.12	8.95	9.54	8.96	0.43	1.35
Isophorone	7.87	8.13	7.89	8.25	7.94	8.01	7.67	0.19	0.59
2–Nitrophenol	8.93	9.36	9.12	9.32	8.70	9.13	8.79	0.25	0.79
2,4–Dimethylphenol	6.02	6.67	5.99	6.21	5.53	6.80	4.40	0.81	2.53
bis(–2–Chloroethoxy)Methane	7.92	8.18	8.23	8.60	8.00	8.27	7.75	0.28	0.87
2,4–Dichlorophenol	7.36	7.59	7.36	7.53	7.29	7.57	7.21	0.15	0.47
1,2,4–Trichlorobenzene	7.67	8.05	7.91	8.26	7.68	8.05	7.58	0.25	0.78
Naphthalene	7.91	8.38	8.02	8.30	8.24	8.23	7.93	0.19	0.60
4–Chloroaniline	1.62	5.08	4.95	4.83	5.04	4.50	3.24	1.30	4.08
Hexachlorobutadiene	7.02	7.19	7.23	7.46	6.75	7.38	6.60	0.32	1.01
4–Chloro–3–methylphenol	8.24	8.34	8.17	8.44	8.11	8.36	7.74	0.23	0.73
2–Methylnaphthalene	7.76	7.65	7.78	8.02	7.65	7.63	7.13	0.27	0.85
Hexachlorocyclopentadiene	3.08	3.52	3.02	3.14	3.17	3.40	3.36	0.19	0.59
2,4,6–Trichlorophenol	6.81	7.15	6.93	7.09	6.80	7.09	6.92	0.14	0.45
2,4,5–Trichlorophenol	8.08	8.56	8.17	8.21	7.84	8.70	7.81	0.34	1.06
2–Chloronaphthalene	6.56	6.87	6.19	6.72	6.51	6.60	6.22	0.25	0.77
2–Nitroaniline	5.99	7.47	6.66	7.53	6.09	7.42	5.08	0.93	2.94
Dimethyl Phthalate	8.34	8.68	8.32	8.49	8.39	8.75	8.24	0.19	0.61
Acenaphthylene	7.96	8.13	7.75	8.21	7.93	8.19	7.55	0.24	0.77
2,6–Dinitrotoluene	7.59	7.97	7.74	7.70	7.74	7.76	7.34	0.19	0.60
3–Nitroaniline	6.98	7.50	7.42	7.86	7.52	7.15	6.34	0.49	1.55
Acenaphthene	8.93	9.29	8.74	9.06	8.96	9.19	8.78	0.20	0.64
2,4–Dinitrophenol	5.43	6.21	6.04	6.10	5.74	6.81	6.42	0.45	1.40
4–Nitrophenol	7.10	7.70	7.54	7.66	7.34	8.26	7.34	0.37	1.17
Dibenzofuran	8.60	8.62	8.22	8.64	8.34	8.62	7.97	0.26	0.82

MDL = 3.143 x STD

CEIMIC CORPORATION
SEMI–VOLATILE ORGANICS ANALYSIS
METHOD DETECTION LIMITS
EPA METHOD 625

INSTRUMENT: MS1 **MATRIX: WATER** **DATE ANALYZED: MARCH '94**

	SAMPLE CONCENTRATION: ppb								
DATA FILE	AE087	AE095	AE089	AE090	AE093	AE094	AE096		
TARGET ANALYTES	SMDL–1	SMDL–2	SMDL–3	SMDL–4	SMDL–5	SMDL–6	SMDL–7	STD	MDL
2,4–Dinitrotoluene	8.06	8.30	8.02	7.99	7.75	8.06	7.73	0.20	0.62
Diethylphthalate	8.76	9.15	8.66	8.89	8.59	9.19	8.74	0.23	0.73
4–Chlorophenyl–phenylether	9.05	9.10	8.62	9.24	9.18	9.39	8.56	0.32	0.99
Fluorene	8.78	9.00	8.51	8.89	8.67	9.04	8.45	0.23	0.72
4–Nitroaniline	5.24	6.04	5.49	6.54	5.08	6.19	3.92	0.87	2.75
4,6–Dinitro–2–methylphenol	6.69	7.37	7.63	7.67	7.29	7.74	7.56	0.36	1.13
N–Nitrosodiphenylamine	4.85	3.38	4.22	5.52	5.07	2.84	2.55	1.16	3.64
4–Bromophenyl–phenylether	8.31	8.42	8.42	8.64	8.09	8.23	8.09	0.20	0.63
Hexachlorobenzene	8.39	8.47	9.06	8.75	8.32	8.58	8.39	0.26	0.82
Pentachlorophenol	7.63	7.45	7.78	7.65	7.44	8.04	7.29	0.25	0.78
Phenanthrene	8.77	8.99	9.21	9.21	9.08	9.20	8.90	0.17	0.54
Anthracene	8.05	7.96	8.46	8.47	8.31	8.19	7.89	0.23	0.74
Carbazole	8.41	8.46	8.75	8.67	8.48	8.65	8.68	0.13	0.42
Di–n–Butylphthalate	8.66	8.87	9.08	9.04	9.07	9.21	9.25	0.20	0.64
Fluoranthene	8.77	8.77	9.32	9.22	8.95	9.05	8.70	0.24	0.75
Pyrene	7.22	7.34	8.05	7.57	7.64	7.77	7.43	0.28	0.88
Butylbenzylphthalate	7.78	8.14	8.63	8.34	8.53	8.81	8.73	0.37	1.15
3,3'–Dichlorobenzidine	1.05	3.26	1.72	4.01	1.97	2.90	0.21	1.32	4.15
Benzo(a)Anthracene	7.53	7.16	7.61	7.49	7.40	7.66	7.42	0.16	0.51
Chrysene	7.69	7.57	7.88	7.83	7.85	8.02	7.49	0.19	0.59
Bis(2–Ethylhexyl)Phthalate	7.89	8.67	8.39	8.43	8.69	13.62	9.58	1.96	6.16
Di–n–octyl phthalate	7.70	8.23	8.39	7.79	8.13	9.43	9.21	0.67	2.10
Benzo(b)fluoranthene	8.71	8.78	8.59	8.15	8.21	9.15	8.97	0.37	1.16
Benzo(k)Fluoranthene	7.79	8.36	8.98	9.36	8.74	8.90	8.17	0.54	1.69
Benzo(a)Pyrene	6.85	6.87	7.18	7.37	7.06	7.38	7.00	0.22	0.68
Indeno(1,2,3–cd)Pyrene	7.67	7.69	8.08	8.10	7.95	8.19	8.09	0.21	0.65
Dibenzo(a,h)Anthracene	8.23	8.35	8.87	8.63	8.63	9.05	8.80	0.29	0.91
Benzo(g,h,i)Perylene	7.72	7.55	8.17	8.09	7.69	8.18	8.14	0.27	0.85
2–Fluorophenol	7.53	8.35	7.41	8.35	7.78	8.10	7.56	0.40	1.24
2–Chlorophenol–d4	7.99	8.55	7.97	8.69	8.37	8.18	7.77	0.33	1.05
Phenol–d5	7.48	8.28	7.84	8.27	7.92	7.87	7.49	0.32	1.02
2,4,6–Tribromophenol	8.69	7.94	7.78	7.84	7.71	7.92	7.07	0.47	1.49
1,2–Dichlorobenzene–d4	7.75	7.90	7.68	8.41	7.86	8.00	7.33	0.33	1.03
Nitrobenzene–d5	7.61	8.34	7.81	8.00	7.61	7.92	7.70	0.26	0.82
2–Fluorobiphenyl	8.06	8.05	7.70	8.14	8.10	8.30	7.67	0.23	0.73
Terphenyl–d14	7.39	7.38	7.69	7.43	7.57	7.61	7.29	0.15	0.46

MDL = 3.143 x STD

CEIMIC CORPORATION
SEMI–VOLATILE ORGANICS ANALYSIS
METHOD DETECTION LIMITS
EPA METHOD 625

INSTRUMENT: MS4 **MATRIX: WATER** **DATE ANALYZED: FEBUARY '94**

	SAMPLE CONCENTRATION: ppb (AMOUNT SPIKED: 10ppm)								
DATA FILE	DC377	DC385	DC379	DC380	DC384	DC382	DC383		
TARGET ANALYTES	SMDL–1	SMDL–2	SMDL–3	SMDL–4	SMDL–5	SMDL–6	SMDL–7	STD	MDL
Phenol	7.75	7.96	7.92	8.32	8.10	8.27	7.83	0.22	0.68
Bis(–2–Chloroethyl)Ether	8.17	8.87	8.45	9.02	8.65	8.80	8.67	0.28	0.88
2–Chlorophenol	7.41	7.82	7.47	7.98	7.84	8.07	7.44	0.27	0.86
1,3–Dichlorobenzene	7.25	7.43	7.01	7.79	7.41	7.92	7.17	0.33	1.03
1,4–Dichlorobenzene	6.98	7.21	6.89	7.48	7.14	7.58	7.12	0.25	0.79
1,2–Dichlorobenzene	7.56	7.68	7.29	7.86	7.63	7.99	7.49	0.23	0.73
2–Methylphenol	8.00	8.25	7.98	8.51	8.27	8.03	7.90	0.22	0.68
2,2'–oxybis(1–Chloropropane)	8.44	8.98	8.64	9.31	9.08	9.37	8.87	0.34	1.06
4–Methylphenol	7.56	7.72	7.54	8.03	7.75	7.60	7.29	0.23	0.72
N–Nitroso–Di–n–propylamine	7.87	8.02	7.86	8.18	8.14	8.26	7.68	0.21	0.66
Hexachloroethane	6.68	6.79	6.44	7.02	6.94	7.19	6.63	0.25	0.80
Nitrobenzene	7.81	9.03	8.58	8.47	8.94	9.67	8.78	0.57	1.79
Isophorone	7.60	7.45	7.49	7.74	7.45	7.74	7.29	0.17	0.52
2–Nitrophenol	9.46	11.95	10.75	11.67	11.76	12.39	11.94	1.00	3.13
2,4–Dimethylphenol	5.99	6.59	5.96	6.14	6.69	4.91	5.70	0.60	1.87
bis(–2–Chloroethoxy)Methane	7.76	7.89	7.94	8.07	7.85	8.16	7.77	0.15	0.47
2,4–Dichlorophenol	7.33	7.61	7.77	7.98	7.76	8.10	7.55	0.26	0.82
1,2,4–Trichlorobenzene	7.53	8.17	7.80	8.42	8.14	8.68	8.03	0.38	1.20
Naphthalene	7.63	8.01	7.70	8.16	7.85	8.25	7.86	0.23	0.72
4–Chloroaniline	2.85	5.04	4.92	5.31	4.64	4.03	5.14	0.86	2.71
Hexachlorobutadiene	7.17	7.98	7.72	8.43	7.86	8.42	7.85	0.43	1.36
4–Chloro–3–methylphenol	7.95	8.00	8.21	8.41	8.05	8.26	7.77	0.22	0.68
2–Methylnaphthalene	7.44	7.64	7.51	7.86	7.61	7.89	7.46	0.18	0.57
Hexachlorocyclopentadiene	3.38	4.36	3.58	3.90	4.05	4.58	4.03	0.42	1.32
2,4,6–Trichlorophenol	6.36	7.10	7.06	7.55	7.02	7.42	6.97	0.38	1.19
2,4,5–Trichlorophenol	7.87	8.02	8.61	8.69	8.56	8.82	8.36	0.35	1.11
2–Chloronaphthalene	7.51	7.85	7.86	8.17	7.62	7.75	7.85	0.21	0.66
2–Nitroaniline	5.58	8.85	7.38	8.89	8.81	7.33	7.09	1.23	3.86
Dimethyl Phthalate	8.06	8.27	8.28	8.47	8.43	8.68	8.30	0.19	0.61
Acenaphthylene	7.67	7.79	7.96	8.19	7.76	8.16	7.97	0.20	0.63
2,6–Dinitrotoluene	6.53	8.51	7.82	8.28	8.47	8.52	8.31	0.72	2.26
3–Nitroaniline	6.44	7.64	7.24	8.52	7.39	7.64	7.86	0.63	1.99
Acenaphthene	8.29	8.41	8.57	8.73	8.51	8.87	8.53	0.19	0.60
2,4–Dinitrophenol	5.81	7.47	7.51	7.73	7.91	7.87	6.90	0.75	2.34
4–Nitrophenol	7.00	7.49	7.76	7.69	7.44	7.50	6.98	0.31	0.97
Dibenzofuran	8.12	8.15	8.39	8.49	8.29	8.54	8.23	0.16	0.51

MDL = 3.143 x STD

CEIMIC CORPORATION
SEMI–VOLATILE ORGANICS ANALYSIS
METHOD DETECTION LIMITS
EPA METHOD 625

NSTRUMENT: ~~MS10~~ MS4 6/2/94 MATRIX: WATER DATE ANALYZED: FEBUARY '94

	SAMPLE CONCENTRATION: ppb								
DATA FILE	DC377	DC385	DC379	DC380	DC384	DC382	DC383		
TARGET ANALYTES	SMDL–1	SMDL–2	SMDL–3	SMDL–4	SMDL–5	SMDL–6	SMDL–7	STD	MDL
2,4–Dinitrotoluene	6.83	8.77	8.41	8.58	9.00	8.93	8.64	0.74	2.33
Diethylphthalate	7.72	7.71	8.00	8.01	7.98	8.32	7.79	0.22	0.68
4–Chlorophenyl–phenylether	8.26	8.65	8.72	9.00	8.67	9.00	8.62	0.25	0.80
Fluorene	8.40	8.59	8.79	8.85	8.62	8.90	8.58	0.18	0.56
4–Nitroaniline	5.51	7.05	6.79	8.48	7.44	5.74	5.66	1.10	3.46
4,6–Dinitro–2–methylphenol	6.44	9.06	8.49	8.55	8.87	9.14	8.58	0.92	2.89
N–Nitrosodiphenylamine	4.51	3.11	3.96	5.28	2.55	2.45	4.80	1.12	3.53
4–Bromophenyl–phenylether	8.35	9.06	9.16	9.36	9.11	9.58	9.35	0.39	1.23
Hexachlorobenzene	8.28	9.34	9.35	9.60	9.46	9.89	9.55	0.51	1.60
Pentachlorophenol	7.94	9.56	9.59	9.89	9.72	10.09	9.35	0.71	2.22
Phenanthrene	8.48	8.64	8.91	8.78	8.64	8.98	8.75	0.17	0.54
Anthracene	7.89	8.05	8.26	8.67	8.14	8.13	8.19	0.24	0.76
Carbazole	11.57	11.57	12.34	12.40	11.89	11.88	11.54	0.36	1.14
Di–n–Butylphthalate	8.61	8.77	9.06	9.01	8.95	9.22	8.92	0.20	0.62
Fluoranthene	8.51	9.06	9.17	9.17	8.84	9.06	8.75	0.25	0.78
Pyrene	7.25	7.44	8.12	8.31	7.82	9.33	7.98	0.68	2.14
Butylbenzylphthalate	8.47	9.23	9.84	10.03	9.77	10.92	9.89	0.75	2.36
3,3'–Dichlorobenzidine	0.20	1.45	0.09	1.65	0.71	0.00	0.47	0.66	2.08
Benzo(a)Anthracene	7.18	7.64	7.71	7.73	7.55	7.66	7.39	0.20	0.63
Chrysene	7.71	7.97	8.14	7.73	8.21	8.01	7.97	0.19	0.60
Bis(2–Ethylhexyl)Phthalate	7.86	9.10	8.84	9.09	14.33	10.10	9.68	2.09	6.58
Di–n–octyl phthalate	6.75	8.28	7.68	7.64	9.67	9.30	9.21	1.07	3.37
Benzo(b)fluoranthene	7.83	7.59	7.70	8.33	8.70	7.71	8.23	0.42	1.30
Benzo(k)Fluoranthene	6.76	7.71	7.56	7.12	7.60	8.44	7.60	0.52	1.64
Benzo(a)Pyrene	6.35	6.26	6.37	6.66	6.58	6.00	6.34	0.22	0.68
Indeno(1,2,3–cd)Pyrene	7.06	6.50	7.36	7.23	6.20	6.65	6.30	0.46	1.45
Dibenzo(a,h)Anthracene	7.32	6.77	7.74	7.42	6.51	6.98	6.58	0.46	1.45
Benzo(g,h,i)Perylene	6.90	6.32	7.15	7.00	5.88	6.32	5.91	0.52	1.63
2–Fluorophenol	7.04	7.25	6.86	7.61	7.30	7.62	7.12	0.28	0.89
2–Chlorophenol–d4	7.49	7.87	7.66	8.12	7.89	8.21	7.64	0.26	0.82
Phenol–d5	7.25	7.48	7.28	7.81	7.62	7.73	7.22	0.24	0.77
2,4,6–Tribromophenol	8.09	9.78	9.39	9.71	9.88	10.12	9.78	0.67	2.12
1,2–Dichlorobenzene–d4	7.56	7.99	7.58	8.24	7.94	8.42	7.82	0.32	1.00
Nitrobenzene–d5	6.90	8.00	7.50	8.07	7.83	8.33	7.72	0.46	1.46
2–Fluorobiphenyl	7.71	8.02	8.04	8.36	7.98	8.33	7.97	0.22	0.70
Terphenyl–d14	7.09	7.75	8.14	8.42	8.05	9.26	8.30	0.66	2.08

MDL = 3.143 x STD

CEIMIC CORPORATION
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EPA METHOD 625

INSTRUMENT: MS9 **MATRIX: WATER** **DATE ANALYZED: FEBUARY '94**

	SAMPLE CONCENTRATION: ppb (AMOUNT SPIKED: 10ppm)								
DATA FILE	I8846	I8848	I8849	I8854	I8855	I8852	I8853		
TARGET ANALYTES	SMDL–1	SMDL–2	SMDL–3	SMDL–4	SMDL–5	SMDL–6	SMDL–7	STD	MDL
Phenol	7.03	7.03	7.26	7.48	7.77	7.62	7.79	0.32	1.02
Bis(–2–Chloroethyl)Ether	7.81	7.51	8.02	8.15	7.77	7.94	8.15	0.23	0.72
2–Chlorophenol	7.39	7.16	7.64	7.86	7.85	7.69	8.19	0.33	1.05
1,3–Dichlorobenzene	7.56	7.42	7.88	7.92	7.85	7.90	8.30	0.28	0.89
1,4–Dichlorobenzene	7.36	7.10	7.67	7.57	7.32	7.49	7.79	0.23	0.73
1,2–Dichlorobenzene	7.76	7.45	8.05	8.01	7.59	7.78	8.13	0.25	0.79
2–Methylphenol	6.88	6.85	7.40	7.77	7.01	7.33	7.66	0.37	1.16
2,2'–oxybis(1–Chloropropane)	8.62	8.90	9.89	10.32	9.49	9.53	9.81	0.58	1.84
4–Methylphenol	6.89	6.95	7.35	7.71	7.17	7.37	7.80	0.35	1.09
N–Nitroso–Di–n–propylamine	7.63	7.76	8.60	9.09	8.26	8.38	8.57	0.51	1.59
Hexachloroethane	7.48	6.96	7.59	7.36	6.93	7.15	7.53	0.27	0.85
Nitrobenzene	7.93	8.17	7.78	8.69	8.69	8.51	9.23	0.50	1.58
Isophorone	7.19	7.16	7.80	7.94	7.29	7.36	7.54	0.30	0.95
2–Nitrophenol	8.13	8.36	8.84	9.41	9.72	9.31	9.90	0.67	2.11
2,4–Dimethylphenol	5.65	5.47	5.75	6.64	4.58	5.58	6.81	0.75	2.36
bis(–2–Chloroethoxy)Methane	7.58	7.45	7.98	8.06	7.61	7.63	7.84	0.23	0.71
2,4–Dichlorophenol	7.05	7.25	7.56	8.37	8.17	7.99	8.35	0.54	1.69
1,2,4–Trichlorobenzene	7.91	8.00	8.61	8.91	8.44	8.56	8.89	0.40	1.24
Naphthalene	7.89	7.83	8.33	8.32	8.08	8.09	8.46	0.24	0.74
4–Chloroaniline	1.49	4.24	4.49	5.09	3.45	4.93	4.65	1.25	3.93
Hexachlorobutadiene	7.63	7.96	8.74	8.78	8.34	8.51	8.93	0.48	1.50
4–Chloro–3–methylphenol	6.74	7.02	7.68	8.28	7.55	7.55	7.99	0.53	1.66
2–Methylnaphthalene	7.24	7.47	8.29	8.38	7.68	7.73	7.96	0.42	1.31
Hexachlorocyclopentadiene	3.53	3.50	3.50	4.26	4.53	4.17	4.46	0.47	1.47
2,4,6–Trichlorophenol	6.43	6.62	6.91	7.23	7.30	7.22	7.57	0.40	1.27
2,4,5–Trichlorophenol	7.12	7.45	7.67	8.37	8.20	8.04	8.79	0.57	1.80
2–Chloronaphthalene	7.40	7.48	7.48	7.62	7.55	7.83	7.94	0.20	0.62
2–Nitroaniline	4.42	4.72	5.44	5.75	4.32	4.84	6.37	0.76	2.37
Dimethyl Phthalate	7.60	7.55	8.37	8.44	7.78	7.86	8.05	0.35	1.11
Acenaphthylene	7.20	7.23	7.53	7.53	7.42	7.56	7.68	0.18	0.56
2,6–Dinitrotoluene	6.31	6.41	7.36	7.39	7.36	7.05	7.44	0.49	1.53
3–Nitroaniline	4.61	4.95	5.78	5.82	4.68	5.07	6.69	0.76	2.38
Acenaphthene	7.86	8.07	8.21	8.42	8.19	8.34	8.42	0.20	0.64
2,4–Dinitrophenol	2.38	3.11	2.97	3.80	5.56	4.68	6.05	1.39	4.36
4–Nitrophenol	2.85	3.31	2.97	3.45	5.15	4.49	5.76	1.14	3.59
Dibenzofuran	7.68	7.61	7.94	8.25	8.03	8.07	8.26	0.25	0.80

MDL = 3.143 x STD

CEIMIC CORRORATION
SEMI–VOLATILE ORGANICS ANALYSIS
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NSTRUMENT: MS9 MATRIX: WATER DATE ANALYZED: FEBUARY '94

	SAMPLE CONCENTRATION: ppb								
DATA FILE	I8846	I8848	I8849	I8854	I8855	I8852	I8853		
TARGET ANALYTES	SMDL–1	SMDL–2	SMDL–3	SMDL–4	SMDL–5	SMDL–6	SMDL–7	STD	MDL
2,4–Dinitrotoluene	6.14	6.02	6.70	6.60	7.51	6.80	7.47	0.58	1.83
Diethylphthalate	6.98	6.81	7.95	7.73	7.16	7.21	7.29	0.40	1.27
4–Chlorophenyl–phenylether	8.10	8.15	8.92	9.09	8.71	8.68	8.73	0.37	1.17
Fluorene	7.99	7.94	8.38	8.38	8.35	8.26	8.65	0.25	0.77
4–Nitroaniline	3.53	3.71	4.22	4.11	4.02	4.51	5.67	0.70	2.21
4,6–Dinitro–2–methylphenol	4.68	5.05	5.37	6.06	7.15	6.63	7.52	1.08	3.40
N–Nitrosodiphenylamine	4.35	3.58	4.86	3.30	2.36	4.62	2.50	1.00	3.15
4–Bromophenyl–phenylether	8.38	8.21	9.20	9.64	8.73	8.71	9.00	0.49	1.54
Hexachlorobenzene	8.69	8.92	9.86	10.65	9.54	9.59	9.61	0.64	2.01
Pentachlorophenol	6.03	6.41	6.85	7.57	8.64	8.04	8.71	1.07	3.35
Phenanthrene	8.42	8.34	8.58	8.64	8.71	8.63	8.82	0.16	0.52
Anthracene	7.12	7.19	7.51	7.55	7.75	7.61	7.87	0.28	0.87
Carbazole	6.82	7.30	6.81	6.87	8.28	7.87	8.26	0.67	2.10
Di–n–Butylphthalate	7.37	7.01	7.97	7.48	7.48	7.62	7.51	0.29	0.91
Fluoranthene	7.23	7.81	7.24	7.37	8.99	8.32	8.79	0.74	2.33
Pyrene	8.48	8.31	10.03	8.70	8.39	8.32	8.87	0.61	1.92
Butylbenzylphthalate	7.59	7.44	8.33	7.48	8.13	7.60	8.05	0.36	1.13
3,3'–Dichlorobenzidine	1.72	2.73	6.05	6.46	0.40	3.51	4.77	2.24	7.04
Benzo(a)Anthracene	7.35	7.81	7.98	7.99	8.30	8.25	8.25	0.34	1.05
Chrysene	8.03	7.86	8.25	8.57	8.32	8.17	8.83	0.33	1.03
Bis(2–Ethylhexyl)Phthalate	7.51	7.01	8.38	8.16	8.74	7.69	12.78	1.93	6.06
Di–n–octyl phthalate	5.95	6.08	5.70	5.68	7.26	6.34	6.84	0.59	1.87
Benzo(b)fluoranthene	7.76	6.42	6.21	7.62	7.05	6.72	8.57	0.84	2.63
Benzo(k)Fluoranthene	7.91	11.64	10.75	7.99	10.59	10.80	8.16	1.60	5.03
Benzo(a)Pyrene	6.46	6.67	6.71	6.56	6.89	6.71	6.87	0.15	0.49
Indeno(1,2,3–cd)Pyrene	5.95	6.01	6.20	6.91	6.90	6.75	7.01	0.46	1.45
Dibenzo(a,h)Anthracene	5.82	5.92	5.94	6.84	7.06	6.75	7.14	0.58	1.82
Benzo(g,h,i)Perylene	6.14	5.90	6.27	6.92	6.66	6.49	6.71	0.36	1.13
2–Fluorophenol	6.79	6.38	6.65	6.77	6.98	6.97	7.39	0.31	0.99
2–Chlorophenol–d4	7.64	7.53	8.02	8.13	7.97	8.06	8.28	0.27	0.84
Phenol–d5	6.86	6.76	7.01	7.22	7.29	7.34	7.52	0.28	0.87
2,4,6–Tribromophenol	6.94	7.50	8.15	8.67	9.25	8.62	9.44	0.91	2.85
1,2–Dichlorobenzene–d4	8.44	8.13	8.84	8.72	8.48	8.69	9.08	0.31	0.96
Nitrobenzene–d5	6.83	6.83	7.33	7.44	7.63	7.30	7.87	0.38	1.21
2–Fluorobiphenyl	7.76	7.93	8.11	8.20	8.04	8.17	8.34	0.19	0.60
Terphenyl–d14	8.05	7.99	9.68	8.88	8.67	8.15	9.23	0.64	2.03

MDL = 3.143 x STD

CEIMIC CORPORATION
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INSTRUMENT: MS10 **MATRIX: WATER** **DATE ANALYZED: FEBUARY '94**

	SAMPLE CONCENTRATION: ppb (AMOUNT SPIKED: 10ppm)								
DATA FILE	J7847	J7848	J7842	J7843	J7849	J7845	J7846		
TARGET ANALYTES	SMDL–1	SMDL–2	SMDL–3	SMDL–4	SMDL–5	SMDL–6	SMDL–7	STD	MDL
Phenol	7.25	7.56	7.32	7.53	7.46	8.03	7.47	0.25	0.80
Bis(–2–Chloroethyl)Ether	7.65	8.03	7.73	7.88	7.92	8.32	7.67	0.24	0.75
2–Chlorophenol	7.45	7.79	7.28	7.70	7.39	8.06	7.41	0.28	0.87
1,3–Dichlorobenzene	7.67	7.70	7.09	7.56	7.19	7.94	7.26	0.31	0.98
1,4–Dichlorobenzene	7.25	7.50	7.16	7.48	7.11	7.78	6.98	0.27	0.86
1,2–Dichlorobenzene	7.43	7.48	7.25	7.58	7.16	7.98	7.40	0.27	0.83
2–Methylphenol	6.72	7.30	7.05	7.25	6.88	7.31	7.01	0.23	0.71
2,2'–oxybis(1–Chloropropane)	7.64	8.00	7.81	8.11	7.90	8.53	7.74	0.30	0.93
4–Methylphenol	6.65	7.25	7.27	7.24	7.02	7.07	7.04	0.22	0.68
N–Nitroso–Di–n–propylamine	6.85	7.77	7.66	7.84	7.93	8.03	7.73	0.39	1.22
Hexachloroethane	7.33	7.41	6.80	7.35	6.97	7.67	7.07	0.30	0.94
Nitrobenzene	8.92	9.16	8.77	7.90	8.41	9.38	8.72	0.49	1.54
Isophorone	6.95	7.68	7.62	7.56	7.50	7.55	7.44	0.24	0.77
2–Nitrophenol	8.24	8.69	8.25	8.38	8.34	8.62	8.15	0.20	0.64
2,4–Dimethylphenol	6.33	6.59	5.72	5.75	4.41	4.59	5.50	0.81	2.56
bis(–2–Chloroethoxy)Methane	7.30	7.88	7.58	7.66	7.60	7.61	7.53	0.17	0.54
2,4–Dichlorophenol	6.29	6.91	6.67	6.87	6.70	6.61	6.66	0.20	0.64
1,2,4–Trichlorobenzene	7.81	7.92	7.58	7.88	7.49	8.04	7.49	0.22	0.70
Naphthalene	7.93	8.15	7.90	8.08	7.85	8.10	7.72	0.16	0.49
4–Chloroaniline	3.87	4.68	4.49	4.27	3.25	2.92	4.80	0.72	2.28
Hexachlorobutadiene	7.80	7.84	7.40	7.85	7.57	7.79	7.28	0.23	0.73
4–Chloro–3–methylphenol	7.06	7.62	7.97	7.56	7.62	7.42	7.45	0.27	0.86
2–Methylnaphthalene	6.88	7.51	7.57	7.55	7.28	7.23	7.28	0.24	0.77
Hexachlorocyclopentadiene	2.53	2.73	2.12	1.89	2.69	2.89	2.18	0.37	1.17
2,4,6–Trichlorophenol	6.83	6.98	6.75	6.66	6.78	7.24	6.88	0.19	0.60
2,4,5–Trichlorophenol	7.58	7.89	8.53	8.66	7.52	7.87	7.73	0.45	1.42
2–Chloronaphthalene	8.32	8.31	7.79	8.05	7.78	8.62	7.91	0.32	0.99
2–Nitroaniline	6.31	6.59	6.05	6.78	4.66	5.67	5.59	0.72	2.26
Dimethyl Phthalate	8.52	9.14	9.01	9.08	9.06	9.11	9.16	0.22	0.70
Acenaphthylene	8.35	8.38	8.17	8.41	7.99	8.60	8.24	0.19	0.61
2,6–Dinitrotoluene	6.72	7.40	7.44	7.33	7.38	7.24	7.48	0.26	0.83
3–Nitroaniline	6.12	6.54	5.93	6.53	4.66	5.55	5.49	0.66	2.08
Acenaphthene	8.75	8.89	8.71	8.77	8.60	9.26	8.86	0.21	0.67
2,4–Dinitrophenol	4.64	5.59	4.90	4.74	5.14	5.10	5.38	0.34	1.07
4–Nitrophenol	6.15	6.67	6.20	6.58	6.77	6.15	6.99	0.34	1.06
Dibenzofuran	8.30	8.56	8.49	8.46	8.47	8.71	8.46	0.12	0.39

MDL = 3.143 x STD

CEIMIC CORPORATION
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INSTRUMENT: MS10 **MATRIX: WATER** **DATE ANALYZED: FEBUARY '94**

	SAMPLE CONCENTRATION: ppb								
DATA FILE	J7847	J7848	J7842	J7843	J7849	J7845	J7846		
TARGET ANALYTES	SMDL–1	SMDL–2	SMDL–3	SMDL–4	SMDL–5	SMDL–6	SMDL–7	STD	MDL
2,4–Dinitrotoluene	7.03	7.96	7.48	7.72	7.81	7.72	8.09	0.35	1.10
Diethylphthalate	8.11	8.93	8.72	8.90	8.91	8.70	9.25	0.35	1.09
4–Chlorophenyl–phenylether	8.45	9.02	9.00	9.07	8.90	8.84	9.02	0.21	0.67
Fluorene	8.39	8.76	8.55	8.61	8.50	8.84	8.83	0.17	0.55
4–Nitroaniline	5.45	6.31	4.92	6.30	4.03	4.70	5.47	0.83	2.62
4,6–Dinitro–2–methylphenol	6.07	6.85	6.38	6.37	6.74	6.48	6.77	0.28	0.88
N–Nitrosodiphenylamine	2.50	3.28	4.18	5.34	2.54	2.48	4.91	1.21	3.80
4–Bromophenyl–phenylether	8.11	8.30	8.71	8.42	8.08	8.34	8.33	0.21	0.66
Hexachlorobenzene	8.03	8.47	8.43	8.51	8.39	8.44	8.11	0.19	0.59
Pentachlorophenol	6.04	6.30	5.76	6.07	6.51	5.94	6.17	0.24	0.76
Phenanthrene	8.80	8.91	8.64	8.88	8.73	9.08	8.73	0.15	0.46
Anthracene	7.86	8.15	7.59	8.01	7.66	7.90	7.90	0.19	0.61
Carbazole	8.26	8.59	7.46	8.35	8.42	8.56	8.65	0.40	1.27
Di–n–Butylphthalate	7.89	8.95	7.99	8.71	8.96	8.39	8.89	0.45	1.43
Fluoranthene	8.14	8.65	7.09	8.53	8.50	8.38	8.84	0.58	1.82
Pyrene	7.96	8.85	8.91	9.28	9.14	8.73	8.58	0.43	1.36
Butylbenzylphthalate	8.11	9.36	8.66	10.16	10.14	8.90	9.48	0.76	2.39
3,3'–Dichlorobenzidine	2.41	2.70	1.13	3.44	0.02	0.63	1.57	1.21	3.81
Benzo(a)Anthracene	7.87	7.40	7.44	7.64	7.70	7.60	7.44	0.17	0.54
Chrysene	9.51	8.91	9.23	9.18	9.22	9.74	9.10	0.27	0.86
Bis(2–Ethylhexyl)Phthalate	12.91	10.15	8.67	10.44	11.95	8.75	10.05	1.56	4.91
Di–n–octyl phthalate	7.06	10.00	7.15	9.85	11.88	7.06	10.32	1.94	6.11
Benzo(b)fluoranthene	9.81	10.66	9.90	11.08	11.13	10.53	11.39	0.61	1.93
Benzo(k)Fluoranthene	7.49	7.19	7.53	7.10	6.87	6.57	6.88	0.35	1.09
Benzo(a)Pyrene	7.37	7.12	7.40	7.54	7.30	6.97	7.45	0.20	0.62
Indeno(1,2,3–cd)Pyrene	7.66	6.87	7.63	6.73	6.65	7.83	6.62	0.54	1.69
Dibenzo(a,h)Anthracene	8.00	7.11	7.93	6.78	6.77	8.31	6.85	0.66	2.08
Benzo(g,h,i)Perylene	7.20	6.42	7.14	6.25	6.16	7.24	6.11	0.52	1.64
2–Fluorophenol	6.76	6.18	6.40	7.00	5.83	7.11	5.71	0.56	1.75
2–Chlorophenol–d4	7.59	7.92	7.60	8.04	7.82	8.40	7.64	0.29	0.92
Phenol–d5	6.30	9.02	8.76	9.01	8.77	7.21	8.56	1.05	3.31
2,4,6–Tribromophenol	7.46	8.20	7.66	7.87	8.17	7.94	8.52	0.36	1.13
1,2–Dichlorobenzene–d4	8.21	7.98	7.72	8.16	7.85	8.66	7.73	0.33	1.05
Nitrobenzene–d5	7.46	7.51	7.25	7.40	7.24	7.72	7.17	0.19	0.60
2–Fluorobiphenyl	8.61	8.57	8.31	8.41	8.21	9.23	8.52	0.33	1.05
Terphenyl–d14	7.60	8.99	8.40	8.98	9.27	8.12	8.63	0.58	1.82

MDL = 3.143 x STD

Semivolatile Organics (8270)

Method Detection Limits

Soil

CEIMIC CORPORATION
SEMI–VOLATILE ORGANICS ANALYSIS
METHOD DETECTION LIMITS
EPA METHOD 625

INSTRUMENT: MS1 **MATRIX: SOIL** **DATE ANALYZED: MARCH '94**

	SAMPLE CONCENTRATION: ppb (AMOUNT SPIKED: 10ppm)								
DATA FILE	AE100	AE101	AE102	AE103	AE104	AE105	AE106		
TARGET ANALYTES	SMDL–11	SMDL–12	SMDL–13	SMDL–14	SMDL–15	SMDL–16	SMDL–17	STD	MDL
Phenol	6.50	6.47	6.09	6.05	6.18	6.18	6.42	0.19	0.60
Bis(–2–Chloroethyl)Ether	5.71	6.11	5.76	5.66	5.50	5.99	5.44	0.24	0.76
2–Chlorophenol	6.08	6.30	6.03	5.87	5.79	6.22	5.92	0.19	0.59
1,3–Dichlorobenzene	5.58	5.93	5.70	5.29	5.43	5.73	5.32	0.24	0.74
1,4–Dichlorobenzene	5.37	5.81	5.52	5.32	5.27	5.55	5.22	0.21	0.65
1,2–Dichlorobenzene	6.04	6.14	5.84	5.61	5.61	5.93	5.48	0.24	0.77
2–Methylphenol	5.44	5.61	5.57	5.14	4.87	5.68	5.25	0.29	0.92
2,2'–oxybis(1–Chloropropane)	6.11	6.40	6.09	5.98	5.72	6.27	5.76	0.25	0.78
4–Methylphenol	5.78	6.07	5.88	5.45	5.22	6.14	5.55	0.34	1.06
N–Nitroso–Di–n–propylamine	5.91	6.32	6.01	5.76	5.74	6.17	5.73	0.23	0.73
Hexachloroethane	5.37	5.51	5.14	4.94	5.10	5.34	4.76	0.26	0.82
Nitrobenzene	5.36	5.59	5.33	5.17	4.92	5.55	5.21	0.23	0.72
Isophorone	5.21	5.48	5.15	4.95	4.71	5.45	5.19	0.27	0.84
2–Nitrophenol	6.03	6.27	6.27	5.72	5.58	6.37	5.76	0.32	0.99
2,4–Dimethylphenol	2.18	1.99	2.44	1.84	1.99	3.29	2.45	0.49	1.54
bis(–2–Chloroethoxy)Methane	5.21	5.66	5.42	5.16	4.93	5.71	5.45	0.28	0.89
2,4–Dichlorophenol	5.34	5.52	5.43	4.89	4.67	5.56	5.33	0.34	1.05
1,2,4–Trichlorobenzene	5.73	6.12	5.90	5.52	5.43	6.14	5.56	0.29	0.91
Naphthalene	5.66	5.94	5.84	5.69	5.37	6.06	5.60	0.23	0.72
4–Chloroaniline	1.90	2.58	2.12	1.24	0.50	2.59	0.66	0.87	2.72
Hexachlorobutadiene	5.30	5.62	5.54	5.13	5.16	5.94	5.29	0.29	0.92
4–Chloro–3–methylphenol	5.57	5.58	5.58	5.06	5.03	6.00	5.73	0.35	1.10
2–Methylnaphthalene	5.55	5.79	5.65	5.44	5.07	5.94	5.48	0.28	0.88
Hexachlorocyclopentadiene	3.45	3.79	3.27	3.18	3.18	3.38	3.43	0.21	0.67
2,4,6–Trichlorophenol	5.21	6.70	6.71	5.04	4.46	5.26	5.29	0.85	2.69
2,4,5–Trichlorophenol	5.81	5.81	5.82	5.57	5.12	6.09	6.20	0.35	1.11
2–Chloronaphthalene	4.63	4.96	4.79	4.69	4.34	4.89	4.80	0.21	0.65
2–Nitroaniline	5.36	5.41	5.29	4.90	4.54	5.47	5.46	0.35	1.10
Dimethyl Phthalate	6.03	5.92	5.99	5.83	5.57	6.32	6.40	0.28	0.89
Acenaphthylene	5.74	5.97	5.68	5.60	5.32	5.91	5.77	0.21	0.67
2,6–Dinitrotoluene	5.22	5.41	5.29	5.02	4.81	5.55	5.60	0.28	0.89
3–Nitroaniline	3.83	4.19	3.62	2.98	2.53	4.19	3.03	0.65	2.04
Acenaphthene	6.35	6.71	6.26	6.30	5.91	6.49	6.51	0.25	0.79
2,4–Dinitrophenol	3.53	3.69	3.01	3.17	3.06	2.48	4.37	0.60	1.89
4–Nitrophenol	4.92	4.46	4.62	3.96	4.46	4.57	5.46	0.46	1.45
Dibenzofuran	5.81	6.06	5.99	5.94	5.45	6.28	6.16	0.27	0.84

MDL = 3.143 x STD

CEIMIC CORPORATION
SEMI-VOLATILE ORGANICS ANALYSIS
METHOD DETECTION LIMITS
EPA METHOD 625

INSTRUMENT: MS1 **MATRIX: WATER** **DATE ANALYZED: MARCH '94**

	SAMPLE CONCENTRATION: ppb								
DATA FILE	AE100	AE101	AE102	AE103	AE104	AE105	AE106		
TARGET ANALYTES	SMDL-1	SMDL-2	SMDL-3	SMDL-4	SMDL-5	SMDL-6	SMDL-7	STD	MDL
2,4-Dinitrotoluene	5.67	5.68	5.43	5.23	5.07	5.87	6.25	0.40	1.26
Diethylphthalate	6.24	6.21	6.23	6.09	5.65	6.63	6.63	0.33	1.05
4-Chlorophenyl-phenylether	6.78	6.79	6.77	6.54	6.04	7.01	6.95	0.33	1.03
Fluorene	6.12	6.37	6.11	5.97	5.55	6.35	6.31	0.29	0.90
4-Nitroaniline	4.17	4.87	4.42	3.47	3.15	4.95	3.79	0.68	2.15
4,6-Dinitro-2-methylphenol	4.75	4.76	4.33	4.17	4.07	4.49	5.28	0.42	1.31
N-Nitrosodiphenylamine	5.42	5.33	5.19	4.97	4.77	5.63	5.33	0.29	0.90
4-Bromophenyl-phenylether	6.34	6.49	6.21	6.03	5.90	6.72	6.67	0.31	0.98
Hexachlorobenzene	6.49	6.60	6.38	6.21	5.96	7.10	6.99	0.41	1.28
Pentachlorophenol	5.26	5.05	4.32	4.65	5.15	5.19	6.04	0.54	1.69
Phenanthrene	6.00	6.07	5.76	5.70	5.60	6.31	6.37	0.30	0.94
Anthracene	5.66	5.58	5.55	5.22	5.09	6.13	5.71	0.34	1.07
Carbazole	5.52	5.86	5.87	5.25	4.88	6.35	5.71	0.47	1.49
Di-n-Butylphthalate	6.23	6.29	5.99	5.68	5.86	6.44	6.53	0.31	0.98
Fluoranthene	6.35	6.31	6.20	5.86	5.79	6.59	6.68	0.34	1.06
Pyrene	5.48	5.58	5.50	4.81	5.00	5.95	5.85	0.42	1.31
Butylbenzylphthalate	5.17	5.27	4.99	4.68	4.73	5.32	5.44	0.29	0.92
3,3'-Dichlorobenzidine	2.16	3.12	2.67	1.56	0.62	3.74	0.71	1.19	3.73
Benzo(a)Anthracene	5.24	5.43	5.27	4.92	4.88	5.85	5.57	0.35	1.09
Chrysene	5.57	5.57	5.53	5.18	5.26	6.23	6.02	0.38	1.19
Bis(2-Ethylhexyl)Phthalate	5.69	5.84	5.67	5.09	5.18	5.91	5.78	0.32	1.02
Di-n-octyl phthalate	6.22	6.33	6.11	5.92	5.96	6.53	7.18	0.43	1.36
Benzo(b)fluoranthene	6.12	5.95	5.91	5.42	5.40	6.06	6.44	0.37	1.18
Benzo(k)Fluoranthene	6.50	6.87	6.39	6.46	6.39	7.60	8.24	0.73	2.29
Benzo(a)Pyrene	5.32	5.47	5.53	5.31	5.05	6.27	6.11	0.45	1.40
Indeno(1,2,3-cd)Pyrene	5.85	6.01	5.68	5.63	5.46	6.22	6.68	0.42	1.31
Dibenzo(a,h)Anthracene	6.33	6.40	6.07	6.04	6.03	6.85	7.13	0.43	1.35
Benzo(g,h,i)Perylene	5.86	5.85	5.54	5.61	5.33	6.17	6.50	0.40	1.25
2-Fluorophenol	5.72	5.67	5.41	5.28	5.28	5.75	5.20	0.23	0.73
2-Chlorophenol-d4	5.71	6.06	5.90	5.83	5.60	6.05	5.60	0.19	0.60
Phenol-d5	5.82	5.79	5.67	5.36	5.22	5.85	5.32	0.27	0.84
2,4,6-Tribromophenol	5.97	6.13	5.97	5.49	6.19	6.64	6.76	0.43	1.35
1,2-Dichlorobenzene-d4	5.82	6.05	5.89	5.56	5.56	6.05	5.57	0.22	0.70
Nitrobenzene-d5	5.09	5.27	5.22	4.91	4.63	5.32	4.91	0.25	0.78
2-Fluorobiphenyl	5.94	5.99	6.07	5.88	5.46	6.05	5.89	0.21	0.65
Terphenyl-d14	5.64	5.77	5.49	5.07	5.28	5.97	5.86	0.32	1.01

MDL = 3.143 x STD

CEIMIC CORPORATION
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INSTRUMENT: MS4 **MATRIX: SOIL** **DATE ANALYZED: FEBUARY '94**

	SAMPLE CONCENTRATION: ppb (AMOUNT SPIKED: 10ppm)								
DATA FILE	DC390	DC391	DC392	DC393	DC395	DC396	DC397		
TARGET ANALYTES	SMDL–11	SMDL–12	SMDL–13	SMDL–14	SMDL–15	SMDL–16	SMDL–17	STD	MDL
Phenol	6.39	6.51	6.04	6.22	6.25	6.32	6.66	0.20	0.63
Bis(–2–Chloroethyl)Ether	9.81	7.60	7.04	9.01	7.64	7.51	8.02	0.97	3.06
2–Chlorophenol	5.99	6.08	5.99	5.82	6.16	5.66	6.69	0.33	1.02
1,3–Dichlorobenzene	5.53	5.66	5.44	5.14	5.61	5.06	6.38	0.43	1.36
1,4–Dichlorobenzene	5.36	5.54	5.39	5.05	5.45	4.97	6.19	0.40	1.25
1,2–Dichlorobenzene	6.02	6.16	5.89	5.75	6.12	5.65	6.83	0.39	1.22
2–Methylphenol	6.18	6.23	6.38	5.89	6.60	5.98	6.57	0.27	0.86
2,2'–oxybis(1–Chloropropane)	5.79	5.87	5.72	5.52	5.82	5.50	6.37	0.29	0.91
4–Methylphenol	5.54	5.61	5.47	5.30	5.88	5.50	5.94	0.23	0.71
N–Nitroso–Di–n–propylamine	5.81	5.84	5.63	5.55	5.79	5.50	6.23	0.24	0.77
Hexachloroethane	5.38	5.43	5.25	4.91	5.31	4.82	5.99	0.38	1.20
Nitrobenzene	5.75	5.72	5.49	5.53	5.85	5.62	6.26	0.26	0.82
Isophorone	5.64	5.67	5.45	5.37	5.78	5.58	6.10	0.24	0.76
2–Nitrophenol	7.17	6.98	6.55	6.85	7.09	6.92	7.80	0.39	1.21
2,4–Dimethylphenol	2.98	2.76	3.33	2.70	4.23	3.37	2.29	0.63	1.97
bis(–2–Chloroethoxy)Methane	5.99	6.02	5.76	5.73	6.16	5.95	6.60	0.29	0.92
2,4–Dichlorophenol	5.76	5.60	5.44	5.46	6.06	5.85	6.08	0.26	0.83
1,2,4–Trichlorobenzene	6.04	6.00	5.83	5.82	6.24	5.84	6.74	0.33	1.04
Naphthalene	6.03	6.01	5.85	5.80	6.17	5.78	6.73	0.33	1.04
4–Chloroaniline	2.28	2.53	2.49	1.95	2.73	1.65	2.71	0.40	1.27
Hexachlorobutadiene	5.89	5.95	5.77	5.64	6.05	5.79	6.63	0.32	1.02
4–Chloro–3–methylphenol	6.12	5.64	5.55	5.57	6.18	6.31	6.41	0.37	1.16
2–Methylnaphthalene	5.90	5.83	5.74	5.76	6.16	5.90	6.55	0.29	0.91
Hexachlorocyclopentadiene	4.61	4.48	4.04	4.21	4.44	4.39	4.41	0.19	0.59
2,4,6–Trichlorophenol	5.43	5.03	4.80	5.03	5.53	5.54	5.42	0.29	0.92
2,4,5–Trichlorophenol	6.31	5.63	5.51	5.62	6.28	6.52	6.29	0.42	1.32
2–Chloronaphthalene	5.24	4.78	5.78	5.95	5.62	5.40	6.68	0.60	1.88
2–Nitroaniline	5.56	5.25	4.88	5.09	5.87	5.79	5.81	0.39	1.24
Dimethyl Phthalate	6.53	6.26	5.95	6.14	6.84	6.93	6.89	0.40	1.25
Acenaphthylene	6.26	6.19	5.80	6.02	6.38	6.40	6.50	0.24	0.77
2,6–Dinitrotoluene	5.66	5.26	5.02	5.25	5.99	6.11	6.01	0.44	1.38
3–Nitroaniline	2.54	3.23	2.46	2.51	3.32	2.03	3.33	0.51	1.62
Acenaphthene	6.72	6.81	6.42	6.45	7.04	6.91	7.31	0.32	0.99
2,4–Dinitrophenol	4.08	2.93	2.56	3.26	2.66	4.62	4.65	0.90	2.83
4–Nitrophenol	5.55	4.29	3.93	4.37	4.56	5.48	4.65	0.61	1.91
Dibenzofuran	6.34	6.18	5.84	6.05	6.59	6.57	6.72	0.32	1.01

MDL = 3.143 x STD

CEIMIC CORPORATION
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INSTRUMENT: MS4 **MATRIX: SOIL** **DATE ANALYZED: FEBUARY '94**

	SAMPLE CONCENTRATION: ppb								
DATA FILE	DC390	DC391	DC392	DC393	DC395	DC396	DC397		
TARGET ANALYTES	SMDL–11	SMDL–12	SMDL–13	SMDL–14	SMDL–15	SMDL–16	SMDL–17	STD	MDL
2,4–Dinitrotoluene	5.83	5.28	5.04	5.46	6.23	6.53	6.21	0.55	1.74
Diethylphthalate	6.10	5.92	5.79	5.82	6.51	6.65	6.43	0.35	1.12
4–Chlorophenyl–phenylether	6.60	6.32	6.04	6.20	6.94	6.92	7.01	0.39	1.24
Fluorene	6.62	6.36	5.99	6.18	6.79	6.83	6.91	0.35	1.11
4–Nitroaniline	4.76	5.02	5.12	4.75	5.71	4.61	5.68	0.44	1.40
4,6–Dinitro–2–methylphenol	4.82	3.77	3.58	4.20	4.34	5.53	4.50	0.66	2.07
N–Nitrosodiphenylamine	5.48	5.25	5.12	5.22	6.04	5.90	5.73	0.36	1.13
4–Bromophenyl–phenylether	6.43	5.96	6.01	6.19	6.88	7.11	6.80	0.45	1.43
Hexachlorobenzene	6.46	6.20	6.02	6.22	7.01	7.08	6.86	0.43	1.35
Pentachlorophenol	5.43	4.44	3.99	4.88	5.01	6.12	4.34	0.73	2.28
Phenanthrene	6.61	6.37	6.31	6.47	7.12	7.48	7.10	0.45	1.42
Anthracene	6.04	5.79	5.85	5.70	6.74	6.53	6.68	0.45	1.40
Carbazole	7.06	6.72	6.93	6.84	8.00	7.80	7.86	0.55	1.72
Di–n–Butylphthalate	6.74	6.56	6.52	6.33	7.23	7.62	7.15	0.46	1.46
Fluoranthene	6.73	6.29	6.31	6.34	7.24	7.61	7.14	0.53	1.67
Pyrene	5.26	4.98	4.75	5.04	5.54	5.60	5.20	0.31	0.96
Butylbenzylphthalate	5.64	5.21	4.95	5.26	5.72	5.88	5.47	0.33	1.03
3,3'–Dichlorobenzidine	1.57	3.40	3.93	1.66	5.62	0.50	3.85	1.76	5.55
Benzo(a)Anthracene	5.50	5.29	5.23	4.97	5.90	5.80	5.49	0.33	1.03
Chrysene	5.88	5.89	5.60	5.94	6.41	6.86	6.54	0.45	1.42
Bis(2–Ethylhexyl)Phthalate	5.85	5.51	5.25	5.57	6.00	6.12	5.77	0.30	0.94
Di–n–octyl phthalate	5.72	5.06	4.20	5.10	5.69	6.12	4.82	0.65	2.04
Benzo(b)fluoranthene	5.53	5.75	5.02	5.25	5.80	6.48	5.64	0.46	1.46
Benzo(k)Fluoranthene	5.84	5.37	5.47	5.65	6.47	6.61	6.14	0.49	1.53
Benzo(a)Pyrene	4.91	4.91	4.95	4.77	5.63	5.54	5.58	0.38	1.19
Indeno(1,2,3–cd)Pyrene	5.39	5.32	5.51	4.86	5.72	6.30	6.04	0.48	1.51
Dibenzo(a,h)Anthracene	5.40	5.34	5.49	4.87	5.69	6.37	6.07	0.49	1.56
Benzo(g,h,i)Perylene	5.35	5.24	5.53	4.89	5.76	6.24	6.01	0.47	1.46
2–Fluorophenol	6.17	6.21	6.05	5.85	6.25	5.83	6.67	0.29	0.90
2–Chlorophenol–d4	6.18	6.21	6.11	5.91	6.20	5.79	6.59	0.26	0.81
Phenol–d5	6.01	6.05	5.74	5.73	5.95	5.62	6.39	0.26	0.82
2,4,6–Tribromophenol	5.87	5.32	5.31	5.46	6.25	6.58	6.06	0.49	1.55
1,2–Dichlorobenzene–d4	6.07	6.13	5.94	5.67	6.09	5.66	6.80	0.38	1.20
Nitrobenzene–d5	5.64	5.46	5.26	5.28	5.70	5.40	6.09	0.29	0.91
2–Fluorobiphenyl	6.27	6.25	5.89	6.07	6.42	6.21	6.81	0.29	0.91
Terphenyl–d14	5.15	4.80	4.54	4.82	5.43	5.55	5.05	0.36	1.13

MDL = 3.143 x STD

CEIMIC CORPORATION
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INSTRUMENT: MS9 **MATRIX: SOIL** **DATE ANALYZED: FEBUARY '94**

	SAMPLE CONCENTRATION: ppb (AMOUNT SPIKED: 10ppm)								
DATA FILE	I8898	I8899	I8900	I8901	I8902	I8903	I8904		
TARGET ANALYTES	SMDL–11	SMDL–12	SMDL–13	SMDL–14	SMDL–15	SMDL–16	SMDL–17	STD	MDL
Phenol	5.71	6.04	5.63	5.51	5.82	5.90	5.54	0.19	0.61
Bis(–2–Chloroethyl)Ether	6.04	6.48	6.18	5.78	5.69	6.24	5.70	0.30	0.95
2–Chlorophenol	5.54	5.83	5.65	5.31	5.28	5.82	5.33	0.24	0.75
1,3–Dichlorobenzene	5.19	5.64	5.37	4.95	5.09	5.39	4.89	0.27	0.84
1,4–Dichlorobenzene	5.14	5.51	5.29	4.91	4.93	5.29	4.85	0.25	0.77
1,2–Dichlorobenzene	5.57	6.06	5.65	5.32	5.31	5.78	5.30	0.29	0.90
2–Methylphenol	5.18	5.50	5.37	4.93	4.76	5.79	5.01	0.36	1.12
2,2'–oxybis(1–Chloropropane)	5.87	6.19	5.89	5.72	5.51	6.09	5.34	0.30	0.95
4–Methylphenol	5.26	5.46	5.28	4.99	4.75	5.87	5.01	0.37	1.15
N–Nitroso–Di–n–propylamine	6.21	6.68	6.14	6.09	5.98	6.47	5.99	0.26	0.82
Hexachloroethane	5.47	5.90	5.65	5.10	5.18	5.51	5.06	0.31	0.98
Nitrobenzene	5.39	5.74	5.43	5.07	5.09	5.46	5.27	0.23	0.73
Isophorone	5.50	5.86	5.45	5.27	5.19	5.76	5.49	0.24	0.75
2–Nitrophenol	5.83	6.46	5.89	5.44	5.47	5.80	5.61	0.35	1.09
2,4–Dimethylphenol	2.34	2.19	2.71	2.09	2.28	3.58	2.72	0.51	1.61
bis(–2–Chloroethoxy)Methane	5.67	5.98	5.68	5.63	5.34	5.88	5.59	0.21	0.65
2,4–Dichlorophenol	5.07	5.46	5.03	4.83	4.77	5.45	5.32	0.28	0.89
1,2,4–Trichlorobenzene	5.57	5.95	5.73	5.37	5.31	5.73	5.40	0.24	0.74
Naphthalene	5.84	6.23	5.99	5.73	5.51	6.06	5.80	0.24	0.74
4–Chloroaniline	2.20	2.77	2.46	1.66	0.88	2.92	1.07	0.81	2.55
Hexachlorobutadiene	5.33	5.82	5.63	5.29	5.13	5.57	5.29	0.24	0.76
4–Chloro–3–methylphenol	5.44	5.65	5.24	5.23	5.01	5.92	5.86	0.35	1.09
2–Methylnaphthalene	5.44	5.84	5.57	5.47	5.13	5.92	5.50	0.26	0.83
Hexachlorocyclopentadiene	3.68	4.30	3.64	3.06	3.66	3.35	3.51	0.38	1.20
2,4,6–Trichlorophenol	4.31	4.63	4.38	4.20	3.99	4.56	4.50	0.22	0.70
2,4,5–Trichlorophenol	5.27	5.49	5.08	4.71	4.61	5.29	5.56	0.37	1.15
2–Chloronaphthalene	5.34	5.67	5.47	5.27	5.06	5.58	5.36	0.20	0.64
2–Nitroaniline	4.66	4.96	4.56	4.23	3.98	4.76	4.87	0.35	1.11
Dimethyl Phthalate	5.43	5.65	5.42	5.32	4.97	5.92	5.89	0.33	1.05
Acenaphthylene	5.16	5.57	5.14	5.06	4.82	5.32	5.37	0.24	0.76
2,6–Dinitrotoluene	4.54	4.92	4.51	4.31	4.09	4.91	4.94	0.33	1.05
3–Nitroaniline	4.66	5.10	4.68	4.26	4.10	4.91	4.92	0.36	1.14
Acenaphthene	5.83	6.24	5.89	5.68	5.47	6.14	6.03	0.27	0.84
2,4–Dinitrophenol	1.60	2.33	1.49	0.59	1.55	0.47	2.77	0.84	2.63
4–Nitrophenol	3.38	3.96	2.97	2.46	2.91	2.52	3.99	0.63	1.98
Dibenzofuran	5.52	5.78	5.44	5.39	5.02	5.86	5.78	0.30	0.93

MDL = 3.143 x STD

CEIMIC CORPORATION
SEMI-VOLATILE ORGANICS ANALYSIS
METHOD DETECTION LIMITS
EPA METHOD 625

INSTRUMENT: MS9 **MATRIX: SOIL** **DATE ANALYZED: FEBUARY '94**

	SAMPLE CONCENTRATION: ppb								
DATA FILE	I8898	I8899	I8900	I8901	I8902	I8903	I8904		
TARGET ANALYTES	SMDL-11	SMDL-12	SMDL-13	SMDL-14	SMDL-15	SMDL-16	SMDL-17	STD	MDL
2,4-Dinitrotoluene	4.34	4.81	4.43	4.09	4.04	4.62	4.97	0.35	1.10
Diethylphthalate	5.15	5.43	5.13	5.17	4.81	5.76	5.65	0.33	1.05
4-Chlorophenyl-phenylether	5.66	5.93	5.65	5.52	5.21	6.04	5.90	0.28	0.89
Fluorene	5.72	6.09	5.71	5.66	5.31	6.18	6.08	0.31	0.98
4-Nitroaniline	3.91	4.56	4.03	3.24	3.40	4.27	4.11	0.47	1.47
4,6-Dinitro-2-methylphenol	2.87	3.64	3.16	2.04	2.96	2.31	4.45	0.81	2.54
N-Nitrosodiphenylamine	4.86	4.88	4.97	4.70	4.38	5.34	5.23	0.32	1.01
4-Bromophenyl-phenylether	5.86	5.82	5.93	5.70	5.38	6.17	6.24	0.29	0.91
Hexachlorobenzene	6.04	6.26	6.23	5.97	5.68	6.50	6.54	0.30	0.96
Pentachlorophenol	3.25	3.45	2.44	2.70	3.60	2.46	4.54	0.75	2.36
Phenanthrene	6.17	6.07	6.03	5.93	5.57	6.53	6.64	0.36	1.14
Anthracene	5.30	5.50	5.47	5.23	4.91	6.01	5.76	0.36	1.13
Carbazole	6.55	6.76	6.44	6.12	5.97	6.84	7.25	0.44	1.37
Di-n-Butylphthalate	6.04	6.17	5.95	5.94	5.67	6.68	6.81	0.41	1.30
Fluoranthene	6.84	6.87	6.46	6.51	6.37	7.16	7.59	0.44	1.37
Pyrene	5.25	5.53	5.56	4.93	4.89	5.94	5.93	0.43	1.36
Butylbenzylphthalate	5.60	5.87	5.51	5.13	5.36	6.00	6.36	0.42	1.31
3,3'-Dichlorobenzidine	2.49	3.23	2.69	1.91	0.88	3.51	1.15	1.00	3.14
Benzo(a)Anthracene	5.79	6.16	5.53	5.32	5.89	6.02	6.65	0.43	1.37
Chrysene	5.67	5.58	5.92	5.64	5.34	6.32	6.43	0.40	1.26
Bis(2-Ethylhexyl)Phthalate	5.88	6.00	5.89	5.61	5.77	6.44	6.64	0.37	1.17
Di-n-octyl phthalate	4.97	4.95	4.88	4.59	4.69	5.43	5.82	0.43	1.36
Benzo(b)fluoranthene	5.75	6.51	6.55	6.25	6.15	6.90	6.99	0.43	1.36
Benzo(k)Fluoranthene	4.91	4.30	3.85	3.85	4.01	4.42	5.03	0.48	1.51
Benzo(a)Pyrene	4.51	4.83	4.89	4.43	4.29	5.43	5.04	0.40	1.24
Indeno(1,2,3-cd)Pyrene	5.39	5.70	5.48	5.24	5.02	5.59	6.06	0.34	1.05
Dibenzo(a,h)Anthracene	5.26	5.49	5.49	5.18	4.78	5.62	5.93	0.36	1.14
Benzo(g,h,i)Perylene	5.52	5.48	5.41	5.57	5.07	5.87	6.11	0.33	1.05
2-Fluorophenol	5.04	5.48	5.18	4.81	4.81	5.23	4.78	0.27	0.83
2-Chlorophenol-d4	5.85	6.11	5.86	5.65	5.52	5.99	5.52	0.23	0.72
Phenol-d5	5.57	5.82	5.49	5.25	5.15	5.60	5.20	0.25	0.78
2,4,6-Tribromophenol	4.56	4.96	4.44	4.13	4.79	4.94	5.07	0.34	1.06
1,2-Dichlorobenzene-d4	5.97	6.29	6.15	5.73	5.75	6.16	5.56	0.27	0.85
Nitrobenzene-d5	5.13	5.55	5.25	4.78	4.95	5.19	5.00	0.25	0.78
2-Fluorobiphenyl	5.57	5.92	5.61	5.41	5.31	5.78	5.66	0.21	0.65
Terphenyl-d14	5.35	5.49	5.44	5.04	4.99	5.92	6.03	0.40	1.25

MDL = 3.143 x STD

CEIMIC CORPORATION
SEMI–VOLATILE ORGANICS ANALYSIS
METHOD DETECTION LIMITS
EPA METHOD 625

INSTRUMENT: MS10 **MATRIX: SOIL** **DATE ANALYZED: FEBUARY '94**

	SAMPLE CONCENTRATION: ppb (AMOUNT SPIKED: 10ppm)								
DATA FILE	J7854	J7855	J7856	J7857	J7858	J7859	J7860		
TARGET ANALYTES	SMDL–11	SMDL–12	SMDL–13	SMDL–14	SMDL–15	SMDL–16	SMDL–17	STD	MDL
Phenol	5.12	5.95	5.45	4.92	5.47	5.39	5.18	0.33	1.04
Bis(–2–Chloroethyl)Ether	5.58	6.31	5.89	5.33	5.33	6.03	5.32	0.40	1.25
2–Chlorophenol	4.98	5.68	5.45	4.85	4.95	5.52	4.90	0.34	1.08
1,3–Dichlorobenzene	5.44	6.08	5.71	5.16	5.23	5.82	5.24	0.35	1.10
1,4–Dichlorobenzene	5.16	5.44	5.16	4.94	4.78	5.36	4.84	0.25	0.79
1,2–Dichlorobenzene	5.38	6.06	5.50	5.21	5.14	5.75	5.14	0.35	1.09
2–Methylphenol	4.75	5.59	5.49	4.54	4.59	5.54	4.58	0.50	1.57
2,2'–oxybis(1–Chloropropane)	5.44	6.22	5.98	5.21	5.34	6.03	5.39	0.40	1.27
4–Methylphenol	4.79	5.82	5.59	4.56	4.72	5.63	4.72	0.53	1.68
N–Nitroso–Di–n–propylamine	5.56	6.80	6.10	5.21	5.58	6.52	5.69	0.57	1.80
Hexachloroethane	5.23	5.62	5.34	4.77	4.93	5.54	5.02	0.31	0.99
Nitrobenzene	5.14	5.75	5.27	4.94	5.11	5.46	5.07	0.28	0.87
Isophorone	5.48	6.33	5.85	5.21	5.38	6.13	5.46	0.42	1.32
2–Nitrophenol	5.83	6.59	6.00	5.23	5.58	6.13	5.67	0.44	1.37
2,4–Dimethylphenol	2.48	2.86	3.31	2.19	2.53	3.90	2.87	0.57	1.81
bis(–2–Chloroethoxy)Methane	5.40	6.13	5.82	5.13	5.30	5.88	5.30	0.37	1.17
2,4–Dichlorophenol	4.44	5.22	4.66	4.18	4.32	5.03	4.29	0.40	1.25
1,2,4–Trichlorobenzene	5.68	6.10	5.75	5.33	5.57	5.90	5.54	0.25	0.80
Naphthalene	5.77	6.27	5.91	5.64	5.58	6.16	5.59	0.28	0.87
4–Chloroaniline	1.24	2.12	1.95	1.38	0.65	2.06	0.70	0.62	1.96
Hexachlorobutadiene	5.73	6.29	5.87	5.40	5.53	6.12	5.51	0.33	1.04
4–Chloro–3–methylphenol	5.34	6.16	5.83	5.32	5.35	5.95	5.44	0.34	1.08
2–Methylnaphthalene	5.36	6.10	5.79	5.23	5.33	5.85	5.39	0.33	1.04
Hexachlorocyclopentadiene	3.28	4.23	3.23	2.60	3.30	3.38	3.55	0.48	1.52
2,4,6–Trichlorophenol	4.56	5.12	4.73	4.10	4.39	4.98	4.98	0.37	1.15
2,4,5–Trichlorophenol	5.14	5.63	5.02	4.41	4.81	5.26	5.45	0.41	1.28
2–Chloronaphthalene	5.60	6.22	5.85	5.47	5.31	6.10	6.02	0.34	1.08
2–Nitroaniline	4.89	5.56	5.06	4.38	4.53	5.59	5.33	0.48	1.50
Dimethyl Phthalate	6.46	6.80	6.64	6.22	6.00	7.21	7.06	0.44	1.37
Acenaphthylene	5.70	6.25	5.82	5.65	5.51	6.01	6.11	0.27	0.85
2,6–Dinitrotoluene	4.90	5.68	5.00	4.49	4.65	5.64	5.48	0.48	1.52
3–Nitroaniline	4.50	5.68	4.86	4.00	4.57	5.51	5.31	0.61	1.91
Acenaphthene	6.24	6.71	6.42	6.11	5.92	6.79	6.44	0.31	0.98
2,4–Dinitrophenol	2.77	4.27	2.59	0.92	2.19	2.29	3.09	1.01	3.18
4–Nitrophenol	3.87	5.18	3.63	2.96	3.53	4.16	4.86	0.77	2.43
Dibenzofuran	5.91	6.50	6.09	5.72	5.63	6.42	6.36	0.35	1.10

MDL = 3.143 x STD

CEIMIC CORPORATION
SEMI–VOLATILE ORGANICS ANALYSIS
METHOD DETECTION LIMITS
EPA METHOD 625

INSTRUMENT: MS10 **MATRIX: SOIL** **DATE ANALYZED: FEBUARY '94**

	SAMPLE CONCENTRATION: ppb								
DATA FILE	J7854	J7855	J7856	J7857	J7858	J7859	J7860		
TARGET ANALYTES	SMDL–11	SMDL–12	SMDL–13	SMDL–14	SMDL–15	SMDL–16	SMDL–17	STD	MDL
2,4–Dinitrotoluene	5.17	6.08	5.15	4.62	4.90	5.80	5.91	0.55	1.74
Diethylphthalate	6.07	6.67	6.30	5.81	5.78	6.86	6.98	0.49	1.55
4–Chlorophenyl–phenylether	6.24	6.80	6.35	5.99	5.72	6.76	6.70	0.42	1.30
Fluorene	6.10	6.55	6.06	5.82	5.65	6.51	6.62	0.38	1.20
4–Nitroaniline	3.32	4.73	3.73	3.58	2.54	5.03	3.43	0.85	2.68
4,6–Dinitro–2–methylphenol	4.03	5.05	3.89	2.92	3.78	3.98	4.66	0.68	2.13
N–Nitrosodiphenylamine	4.90	5.37	5.17	4.59	4.71	5.58	5.48	0.39	1.22
4–Bromophenyl–phenylether	5.90	6.27	6.38	5.55	5.74	6.70	6.40	0.41	1.30
Hexachlorobenzene	6.15	6.38	6.35	5.75	5.74	6.68	6.60	0.37	1.18
Pentachlorophenol	3.97	4.48	3.13	2.86	3.72	3.48	4.59	0.65	2.05
Phenanthrene	5.83	6.15	5.84	5.62	5.58	6.46	6.62	0.41	1.29
Anthracene	5.19	5.69	5.46	5.02	5.01	6.22	5.90	0.46	1.46
Carbazole	5.24	5.81	5.37	5.07	4.92	6.24	5.90	0.48	1.52
Di–n–Butylphthalate	6.12	6.49	6.37	5.73	5.91	7.04	6.89	0.48	1.52
Fluoranthene	5.84	6.36	5.71	5.60	5.68	6.60	6.75	0.48	1.51
Pyrene	5.82	6.59	6.28	5.60	5.63	6.51	6.62	0.46	1.43
Butylbenzylphthalate	6.07	6.80	6.48	5.76	5.57	6.70	6.94	0.54	1.68
3,3'–Dichlorobenzidine	1.90	2.97	2.23	1.64	0.53	3.14	0.61	1.03	3.25
Benzo(a)Anthracene	5.47	6.21	5.47	5.34	5.38	6.02	5.86	0.35	1.09
Chrysene	6.42	7.24	6.33	6.26	6.29	7.03	7.44	0.50	1.58
Bis(2–Ethylhexyl)Phthalate	7.00	8.57	7.07	6.59	7.42	8.26	7.66	0.71	2.23
Di–n–octyl phthalate	7.44	7.55	6.57	7.19	6.91	8.48	8.50	0.74	2.32
Benzo(b)fluoranthene	4.73	4.51	5.49	4.62	3.92	4.97	5.83	0.64	2.00
Benzo(k)Fluoranthene	7.92	8.89	6.26	5.81	4.74	9.32	8.62	1.76	5.53
Benzo(a)Pyrene	5.56	5.98	5.58	5.99	5.14	6.26	6.35	0.43	1.35
Indeno(1,2,3–cd)Pyrene	5.84	6.60	5.97	5.82	5.87	6.44	6.94	0.45	1.40
Dibenzo(a,h)Anthracene	6.08	6.84	6.09	3.58	6.00	6.64	7.06	1.16	3.64
Benzo(g,h,i)Perylene	5.77	6.60	6.12	2.92	5.85	6.75	6.99	1.38	4.32
2–Fluorophenol	5.09	5.65	5.39	4.59	4.86	5.58	5.03	0.39	1.22
2–Chlorophenol–d4	5.43	6.13	5.87	5.55	5.32	5.91	5.27	0.33	1.05
Phenol–d5	5.77	6.79	6.37	5.75	5.80	6.53	5.70	0.45	1.41
2,4,6–Tribromophenol	5.91	6.30	5.67	2.86	6.26	6.39	6.68	1.30	4.10
1,2–Dichlorobenzene–d4	5.87	6.28	5.98	5.62	5.58	6.22	5.50	0.31	0.98
Nitrobenzene–d5	5.12	5.69	5.18	5.02	4.84	5.48	5.09	0.29	0.90
2–Fluorobiphenyl	5.90	6.53	6.07	5.07	5.54	6.17	6.05	0.47	1.49
Terphenyl–d14	5.89	6.45	6.11	5.73	5.73	6.39	6.45	0.33	1.03

MDL = 3.143 x STD

Metals

Instrument Detection Limits

INSTRUMENT DETECTION LIMIT STUDY

LABORATORY NAME: CEIMIC CORPORATION DATE: 10 August 1994
ADDRESS: 10 Dean Knauss Dr, Narrangansett, RI 02882

All units in µg/L
6010 (ICAP)

Analyte	61E	61E Trace	P40	MRL	(Trace)
Al	16		14	200	
Sb	37		98	200	
As	45	2	XX	200	(10)
Ba	3		9	10	
Be	1		8	10	
Cd	4		11	10	
Ca	6		8	100	
Cr	7		27	20	
Co	5		23	20	
Cu	5		11	10	
Fe	3		31	100	
Pb	48	1	217	200	(5)
Mg	22		135	200	
Mn	1		8	10	
Ni	12		36	40	
K	161		83	500	
Se	48	4	XX	200	(5)
Ag	4		11	10	
Na	28		10	500	
Tl	XX	2	XX		(10)
V	3		11	50	
Zn	4		6	20	
Mo	XX		57	200	
Ti	XX		6	50	
Sn	63		135	200	

7000 series (GFAA)

	Z1 / Z2	MRL
As	1 / X	10
Pb	1 / 1	5
Se	2 / X	10
Tl	1 / 2	10
Cd	0.4/ 0.7	2
Cr	0.3/ X	5
Ag	1 / 0.4	5
Be	0.5/ 2	3
Sb	X / 11	20

7470 Hg by cold vapor		MRL
Hg	0.08	0.3

K.1.b NUS Laboratory QC

QUALITY CONTROL LIMITS FOR INORGANICS - SOIL/WATER
KIRTLAND AFB, ALBUQUERQUE, NEW MEXICO

Analytes	Method Reference	Lab Control Standard[1]	
		RPD (Max.)	% Recovery
Soil			
Aluminum	SW3050/SW6010	40	54.1-145
Barium	SW3050/SW7841	40	71.0-115
Beryllium	SW3050/6010	40	74.5-105
Cadmium	SW3050/6010	40	71.9-105
Calcium	SW3050/6010	40	53.4-127
Cobalt	SW3050/6010	40	64.7-130
Copper	SW3050/6010	40	54.6-126
Iron	SW3050/6010	40	71.0-128
Magnesium	SW3050/6010	40	66.6-120
Manganese	SW3050/6010	40	74.5-115
Molybdenum	SW3050/6010	40	54.7-121
Nickel	SW3050/6010	40	78.6-110
Potassium	SW3050/6010	40	51.7-141
Silver	SW3050/6010	40	51.8-124
Sodium	SW3050/6010	40	61.1-129
Vanadium	SW3050/6010	40	63.3-132
Zinc	SW3050/6010	40	66.2-111
Lead	SW3050/SW7421	40	50.0-150
Water			
Aluminum	SW3005/SW6010	3.93	92.2-108
Barium	SW3005/SW6010	6.60	93.7-102
Beryllium	SW3005/SW6010	20.0	95.3-109
Cadmium	SW3005/SW6010	20.0	82.0-119
Calcium	SW3005/SW6010	4.26	91.9-105
Cobalt	SW3005/SW6010	20.0	95.4-109
Copper	SW3005/SW6010	20.0	94.2-106
Iron	SW3005/SW6010	5.13	94.9-108
Lead	SW3005/SW7421	18.9	72.3-122
Magnesium	SW3005/SW6010	2.06	94.8-104

Analytes	Method Reference	Lab Control Standard[1]	
		RPD (Max.)	% Recovery
Manganese	SW3005/SW6010	3.40	95.7-106
Molybdenum	SW3005/SW6010	20.0	91.7-101
Nickel	SW3005/SW6010	5.87	92.5-111
Potassium	SW3005/SW6010	3.93	87.8-106
Silver	SW3005/SW6010	20.0	68.0-147
Sodium	SW3005/SW6010	2.79	92.3-105
Vanadium	SW3005/SW6010	20.0	94.0-101
Zinc	SW3005/SW6010	8.19	92.0-105

[1] Limits are subject to change following periodic recalculation of mean and standard deviation. The control limits in effect at the time of sample analysis will be used.

Lab control standard RPD and recovery are used to judge data acceptability. Matrix spike RPD and recovery are for information only. Reanalysis will not be performed if the matrix spike limits are exceeded.

CONTROL LIMITS FOR VOLATILES BY GC/MS METHOD 8240 - SOIL/WATER
KIRTLAND AFB, ALBUQUERQUE, NEW MEXICO

Analytes	Lab Control Standard		Surrogate Standard % Recovery	
	RPD (max.)	% Recovery	Method Blanks	Samples
Soil				
Acetone	87.8	10-202	—	—
Acrylonitrile	20[2]	50-150[2]	—	—
Benzene	4.94	56.6-155	—	—
Bromodichloromethane	7.14	68.2-150	—	—
Bromoform	18.0	70.2-139	—	—
Bromomethane	21.9	43.2-174	—	—
2-Butanone	31.3	15.9-229	—	—
Carbon disulfide	9.22	10-246	—	—
Carbon tetrachloride	7.31	77.4-137	—	—
Chlorobenzene	9.22	69.3-136	—	—
Chlorodibromomethane	7.49	70.6-139	—	—
Chloroethane	4.56	59.9-171	—	—
2-Chloroethyl vinyl ether	31.0	10-222	—	—
Chloroform	20[2]	66.9-159	—	—
Chloromethane	6.53	37.6-178	—	—
Dichlorodifluoromethane	9.61	50-150[2]	—	—
1,1-Dichloroethane	13.2	56.1-172	—	—
1,2-Dichloroethane	4.36	52.4-170	—	—
1,1-Dichloroethane	7.25	47.9-176	—	—
trans-1-2-Dichloroethene	6.62	52.4-170	—	—
1,2-Dichloropropane	8.98	56.0-161	—	—
cis-1,3-Dichloropropene	7.53	10-200	—	—
trans-1,3-Dichloropropene	21.3	50.1-151	—	—
Ethylbenzene	10.7	67.3-136	—	—
2-Hexanone	17.7	20.2-189	—	—
Methylene chloride	10.6	62.8-155	—	—
4-Methyl-2-pentanone	17.7	23.7-189	—	—
Styrene	10.6	70.9-127	—	—
1,1,2,2-Tetrachloroethane	19.9	54.5-155	—	—
Tetrachloroethene	9.67	56.5-160	—	—
Toluene	9.01	62.0-143	—	—
1,1,1-Trichloroethane	5.92	80.9-142	—	—

Analytes	Lab Control Standard		Surrogate Standard % Recovery	
	RPD (max.)	% Recovery	Method Blanks	Samples
1,1,2-Trichloroethane	10.4	67.8-144	—	—
Trichloroethene	6.21	76.7-134	—	—
Trichlorofluoromethane	20[2]	10-193[1]	—	—
Vinyl acetate	16.9	23.3-180	—	—
Vinyl chloride	19.9	40.1-177	—	—
Xylenes	12.8	70.2-130	—	—
Toluene-d_8[3]	—	78.4-118	90-108	84-138[4]
4-Bromofluorobenzene[3]	—	73.8-119	84-108	59-113[4]
1,2-Dichloroethane-d_4[3]	—	87.6-118	92-113	70-121[5]

Analytes	Lab Control Standard		Surrogate Standard % Recovery	
	RPD (max.)	% Recovery	Method Blanks	Samples
Water				
Acetone	40.7	36.5-156	—	—
Benzene	12.1	71.5-119	—	—
Bromodichloromethane	12.5	71.9-122	—	—
Bromoform	16.7	73.9-117	—	—
Bromomethane	18.5	50.1-153	—	—
2-Butanone	62.6	40.0-147	—	—
Carbon disulfide	26.2	27.3-156	—	—
Carbon tetrachloride	15.8	64.6-124	—	—
Chlorobenzene	11.9	76.2-119	—	—
Chlorodibromomethane	13.9	73.9-123	—	—
Chloroethane	19.9	50.7-146	—	—
2-Chloroethyl vinyl ether	14.6	36.3-142	—	—
Chloroform	10.5	68.6-129	—	—
Chloromethane	19.8	49.6-140	—	—
1,1-Dichloroethane	11.5	72.2-127	—	—
1,2-Dichloroethane	12.1	65.1-129	—	—
1,1-Dichloroethane	14.9	52.1-144	—	—
cis-1,2-Dichloroethene	12.9	72.9-124	—	—
trans-1,2-Dichloroethene	12.9	72.9-124	—	—

CONTROL LIMITS FOR MISCELLANEOUS PARAMETERS
SOIL/WATER
KIRTLAND AFB, ALBUQUERQUE, NEW MEXICO

Analytes	Method Reference	Laboratory Control Standard[1]	
		RPD (Max.)	% Recovery
Soil			
Am-241 by gamma spectrometry	E901.1	40%[2]	80.0-120[2]
Co-60 by gamma spectrometry	E901.1	40%[2]	80.0-120[2]
Cs-137 by gamma spectrometry	E901.1	40%[2]	80.0-120[2]
Gross Alpha	SW9310	36.6	76.9-133
Gross Beta	SW9310	30.0	92.8-116
Tritium	E906.0	40%[2]	78.1-110
Water			
Am-241 by gamma spectrometry	E901.1	15%[2]	80.0-120[2]
Co-60 by gamma spectrometry	E901.1	15%[2]	80.0-120[2]
Cs-137 by gamma spectrometry	E901.1	15%[2]	80.0-120[2]
Gross Alpha	SW9310	36.6	76.9-133
Gross Beta	SW9310	24.2	92.8-116
Tritium	E906.0	30.0	78.1-110

[1] Statistically-based control limits are recalculated semi-annually and are therefore subject to change.

[2] Statistically-based limits are not available.

Analytes	Lab Control Standard		Surrogate Standard % Recovery	
	RPD (max.)	% Recovery	Method Blanks	Samples
1,2-dichloropropane	13.3	67.6-124	—	—
cis-1,3-Dichloropropene	13.4	70.2-117	—	—
trans-1,3-Dichloropropene	9.90	69.7-119	—	—
Ethylbenzene	11.0	76.4-116	—	—
2-Hexanone	23.6	45.6-134	—	—
Methylene chloride	21.4	69.8-127	—	—
4-Methyl-2-pentanone	19.2	47.1-141	—	—
Styrene	15.7	77.5-116	—	—
1,1,2,2-Tetrachloroethane	13.5	65.2-124	—	—
Tetrachloroethene	14.3	49.5-138	—	—
Toluene	15.5	71.2-121	—	—
1,1,1-Trichloroethane	12.3	72.0-119	—	—
1,1,2-Trichloroethane	15.4	75.5-123	—	—
Trichloroethene	13.1	66.2-125	—	—
Vinyl acetate	17.7	44.1-142	—	—
Vinyl chloride	25.2	55.8-139	—	—
Xylenes	14.2	75.2-119	—	—
1,2-Dichloroethane-d_4[3]	-	75.2-122	—	—
4-Bromofluoro-benzene[3]	-	87.4-112	—	—
Toluene-d_8[3]	-	85.8-118	—	—

(1) Limits calculated from Table 7 of SW846 Method 8240.
(2) Statistically-based limits not available.
(3) These are surrogate compounds.
(4) Limits taken from Table 8 of SW846 Method 8240.
(5) Limits taken from U.S. EPA CLP Document No. OLM01.8.

NUS LABORATORY
CONTROL LIMITS FOR SEMIVOLATILES BY GC/MS METHOD 8270
SOIL
KIRTLAND AFB, ALBUQUERQUE, NEW MEXICO

Analytes	Lab Control Standard		Surrogate Standard % Recovery		Matrix Spikes[3][4]	
	RPD (max.)	% Recovery	Method Blanks	Samples	RPD (max.)	% Recovery
Acenaphthene	11.1	68.7-108	—	—	50[2]	46-118
Acenaphthylene	14.0	65.9-114	—	—	50[2]	28-151[1]
Anthracene	7.25	75.8-121	—	—	50[2]	31-131[1]
Benzo(a)anthracene	15.8	75.7-108	—	—	50[2]	45-130[1]
Benzo(b)fluoranthene	16.5	72.5-118	—	—	50[2]	30-153[1]
Benzo(k)fluoranthene	16.6	61.4-151	—	—	50[2]	34-137[1]
Benzo(g,h,i)perylene	36.1	47.6-146	—	—	50[2]	10-189[1]
Benzo(a)pyrene	14.7	68.1-119	—	—	50[2]	29-151[1]
Benzyl Alcohol	16.8	39.8-111	—	—	50[2]	25-125[1]
bis(2-chloroethoxy)methane	6.65	75.2-129	—	—	50[2]	52-162[1]
bis(2-chloroethyl)ether	12.0	66.9-105	—	—	50[2]	10-170[1]
bis(2-chloroisopropyl)ether	9.93	53.0-136	—	—	50[2]	27-174[1]
bis(2-ethylhexyl)phthalate	13.8	59.2-119	—	—	50[2]	16-150[1]
4-Bromophenyl phenyl ether	5.24	64.9-116	—	—	50[2]	53-127[1]
Butyl benzyl phthalate	15.2	70.3-120	—	—	50[2]	27-102[1]
4-Chloroaniline	20.3	10.0-62.0	—	—	50[2]	25-125[1]
2-Chloronaphthalene	22.5	59.2-111	—	—	50[2]	25-125[1]
4-Chlorophenyl phenyl ether	9.85	65.4-112	—	—	50[2]	39-144[1]
Chrysene	9.57	68.7-110	—	—	50[2]	14-170[1]
Dibenz(a,h)anthracene	10.8	61.6-128	—	—	50[2]	10-202[1]
Dibenzofuran	18.6	72.0-104	—	—	50[2]	25-125[1]
Di-n-butylphthalate	17.8	45.1-135	—	—	50[2]	33-86[1]
1,2-Dichlorobenzene	12.9	66.4-93.6	—	—	50[2]	31-130[1]
1,3-Dichlorobenzene	10.1	65.0-90.7	—	—	50[2]	19-151[1]
1,4-Dichlorobenzene	11.2	66.0-93.0	—	—	50[2]	36-97
3,3-Dichlorobenzene	24.1	25.3-74.4	—	—	50[2]	10-225[1]
Diethyl phthalate	9.68	42.9-131	—	—	50[2]	10-85[1]
Dimethyl phthalate	15.0	67.4-107	—	—	50[2]	25-125[1]
2,4-Dinitrotoluene	3.12	68.3-109	—	—	50[2]	26-96
2,6-Dinitrotoluene	17.4	69.8-112	—	—	50[2]	56-149[1]
Di-n-octyl phthalate	11.4	63.0-125	—	—	50[2]	24-126[1]

CONTROL LIMITS FOR SEMIVOLATILES BY GC/MS METHOD 8270
SOIL
KIRTLAND AFB, ALBUQUERQUE, NEW MEXICO

Analytes	Lab Control Standard		Surrogate Standard % Recovery		Matrix Spikes[3][4]	
	RPD (max.)	% Recovery	Method Blanks	Samples	RPD (max.)	% Recovery
Fluorene	18.4	71.3-104	—	—	50[2]	57-123[1]
Hexachlorobenzene	6.74	55.0-126	—	—	50[2]	35-115[1]
Hexachlorobutadiene	28.0	56.4-110	—	—	50[2]	27-113[1]
Hexachlorocyclopentadiene	33.3	18.1-141	—	—	50[2]	25-125[1]
Hexachloroethane	12.8	61.5-97.7	—	—	50[2]	33-111[1]
Indeno(1,2,3-cd)pyrene	10.9	57.6-134	—	—	50[2]	10-144
Isophorone	5.57	68.3-119	—	—	50[2]	19-208[1]
2-Methylnaphthalene	5.15	57.0-110	—	—	50[2]	25-125[1]
Naphthalene	7.11	70.1-98.2	—	—	50[2]	33-111[1]
2-Nitroaniline	7.58	52.0-149	—	—	50[2]	10-144[1]
3-Nitroaniline	16.9	38.8-102	—	—	50[2]	19-208[1]
4-Nitroaniline	20.0	54.6-107	—	—	50[2]	25-125[2]
Nitrobenzene	12.1	65.3-116	—	—	50[2]	30-125[1]
N-Nitroso-di-n-butylamine	20[2]	25-125[2]	—	—	50[2]	25-125[2]
N-Nitrosodimethylamine	20[2]	25-125[2]	—	—	50[2]	25-125[2]
N-Nitrosodiphenylamine	6.92	80.6-116	—	—	50[2]	25-125[2]
N-Nitrosodipropylamine	9.21	62.2-126	—	—	50[2]	41-116
Phenanthrene	10.6	68.5-116	—	—	50[2]	54-120[1]
Pyrene	15.5	72.5-115	—	—	50[2]	26-127
1,2,4,5-Tetrachlorobenzene	20[2]	25-125[2]	—	—	50[2]	25-125[2]
1,2,4-Trichlorobenzene	15.4	67.0-98.7	—	—	50[2]	39-98
Benzoic Acid	262	10-837	—	—	50[2]	25-125[2]
4-Chloro-3-methylphenol	8.14	76.6-107	—	—	50[2]	26-103
2-Chlorophenol	8.38	68.5-96.7	—	—	50[2]	25-107
2,4-Dichlorophenol	9.57	62.7-104	—	—	50[2]	44-130[1]
2,4-Dimethylphenol	16.4	68.5-103	—	—	50[2]	36-115[1]
4,6-Dinitro-2-methylphenol	32.2	29.0-124	—	—	50[2]	10-225[1]
2,4-Dinitrophenol	17.7	27.0-96.2	—	—	50[2]	10-142[1]
2-Methylphenol	5.67	68.6-107	—	—	50[2]	25-125[2]
4-Methylphenol	7.87	10-221	—	—	50[2]	25-125[2]
2-Nitrophenol	9.18	65.4-113	—	—	50[2]	25-125[2]
4-Nitrophenol	28.4	10-144	—	—	50[2]	11-114
Pentachlorophenol	58.0	10-146	—	—	50[2]	17-109

CONTROL LIMITS FOR SEMIVOLATILES BY GC/MS METHOD 8270
SOIL
KIRTLAND AFB, ALBUQUERQUE, NEW MEXICO

Analytes	Lab Control Standard		Surrogate Standard % Recovery		Matrix Spikes[3][4]	
	RPD (max.)	% Recovery	Method Blanks	Samples	RPD (max.)	% Recovery
Phenol	9.74	66.7-103	—	—	50[2]	26-90
2,4,5-Trichlorophenol	6.64	66.6-112	—	—	50[2]	25-125[2]
2,4,6-Trichlorophenol	6.85	43.0-112	—	—	50[2]	25-125[2]
Nitrobenzene-d_5[5]	—	56.6-109	13-124	23-120[4]	50[2]	—
2-Fluorobiphenyl[5]	—	49.6-116	17-115	30-115[4]	50[2]	—
p-Terphenyl-d_{14}[5]	—	45.3-111	15-157	18-137[4]	50[2]	—
Phenol-d_5	—	56.7-106	14-121	24-113[4]	50[2]	—
2-Fluorophenol[5]	—	54.3-93.1	10-117	25-121[4]	50[2]	—
2,4,6-Tribromophenol[5]	—	51.5-90.9	18-128	19-122[4]	50[2]	—

[1] Limits calculated from Table 7 of SW846 Method 8240.

[2] Statistically-based limits not available.

[3] 99 percent confidence interval presented for information only. If LCS/LCSD are acceptable, no action is taken for values exceeding this interval.

[4] Limits are subject to change following periodic recalculation of mean and standard deviation. The control limits in effect at the time of sample analysis will be used. Lab control standard RPD and recovery are used to judge data acceptability. Matrix spike RPD and recovery are for information only. Reanalysis will not be performed if the matrix spike limits are exceeded.

[5] These are surrogate compounds.

[6] Limits taken from Table 8 of SW846 8270.

CONTROL LIMITS FOR SEMIVOLATILES BY GC/MS METHOD 8270
SOIL
KIRTLAND AFB, ALBUQUERQUE, NEW MEXICO

Analytes	Lab Control Standard		Surrogate Standard % Recovery		Matrix Spikes[3][4]	
	RPD (max.)	% Recovery	Method Blanks	Samples	RPD (max.)	% Recovery
Fluoranthene	26.0	71.9-135	—	—	50[2]	30-124[1]

D-04-94-19

CHEMICAL ANALYSES TO BE CONDUCTED ON SAMPLES AT KIRTLAND AFB, ALBUQUERQUE, NEW MEXICO

Parameter	Method	Analyte	Method or Instrument Detection Limit[4][6]		Practical Quantitation Limit[1]	
			Water (mg/L)	Soil[2] (mg/kg)	Water (mg/L)	Soil (mg/kg)
ICP Metals	SW-846 3050/6010(S)	Aluminum	0.02	2	0.5	50
		Barium	0.002	0.2	0.02	2
		Beryllium	0.002	0.1	0.003	0.3
		Cadmium	0.005	0.5	0.04	4
		Calcium	0.02	2	0.1	10
		Cobalt	0.01	0.6	0.07	7
		Copper	0.001	/0.2	0.06	6
		Iron	0.006	2	0.07	7
		Magnesium	0.03	2	0.3	30
		Manganese	0.003	0.2	0.02	2
		Molybdenum	0.02	1	0.06	8
		Nickel	0.03	2	0.15	15
		Potassium	0.2	9	5	500
		Silver	0.003	0.3	0.07	7
		Sodium	0.03	3	0.3	30
		Vanadium	0.004	0.4	0.08	8
		Zinc	0.007	0.6	0.02	2
Lead (Graphite Furnace)	SW-846 3050/7421(W)	Lead	0.001	(PE3030) .09 (PE5100) 0.2	0.005	0.005
Volatile Organic Compounds	SW-846 8240	Acetone	4	10	100	100
		Benzene	2	2	5	5
		Bromodichloromethane	1	2	5	5
		Bromoform	3	2	5	5
		Bromomethane	2	2	10	10
		2-Butanone	9	3	100	100
		Carbon disulfide	6	1	5	5

Parameter	Method	Analyte	Method or Instrument Detection Limit[4][5]		Practical Quantitation Limit[1]	
			Water (mg/L)	Soil[2] (mg/kg)	Water (mg/L)	Soil (mg/kg)
Volatile Organic Compounds (Continued)	SW-846 8240	Carbon tetrachloride	6	1	5	5
		Chlorobenzene	1	2	5	5
		Dibromochloromethane	2	2	5	5
		Chloroethane	3	2	10	10
		2-Chloroethyl vinyl ether	3	2	10	10
		Chloroform	2	2	5	5
		Chloromethane	3	3	10	10
		1,1-Dichloroethane	3	1	5	5
		1,2-Dichloroethane	2	2	5	5
		1,1-Dichloroethene	6	1	5	5
		trans-1,2 Dichloroethene	4	2	5	5
		1,2-Dichloropropane	2	2	5	5
		cis-1,3-Dichloropropene	2	2	5	5
		trans-1,3 Dichloropropene	3	2	5	5
		Ethylbenzene	2	2	5	5
		2-Hexanone	4	3	50	50
		Methylene chloride	3	2	5	5
		4-Methyl-2-pentanone	3	3	50	50
		Styrene	2	2	5	5
		1,1,2,2-Tetrachloroethane	3	2	5	5
		Tetrachloroethene	3	2	5	5
		Toluene	2	2	5	5
		1,1,1-Trichloroethane	4	1	5	5
		1,1,2-Trichloroethane	2	2	5	5
		Trichloroethene	2	1	5	5
		Vinyl acetate	3	2	50	50
		Vinyl chloride	4	2	10	10
		Xylene (Total)	2	2	5	5

Parameter	Method	Analyte	Method or Instrument Detection Limit[4][6]		Practical Quantitation Limit[1]	
			Water (mg/L)	Soil[2] (mg/kg)	Water (mg/L)	Soil (mg/kg)
Soil Moisture	ASTM D-2216-80		NA	NA	NA	NA
Radioactivity	SW-846 9310	Gross Alpha	3[7]	5	4	[5]
		Gross Beta	4[7]	3	4	[5]
	EPA 901.1	Gamma Spectrometry	*[7]	*[7]	NA	NA
	EPA 906.0	Tritium	1000[7]	3	NA	NA

(1) Practical quantitation limits as per 1993 IRP Handbook or project requirements

(2) Detection limits for soil samples are determined by adjusting for percent moisture and dilutions used for sample preparation.

(3) AFCEE approval will be obtained prior to the use of EPA Method 418.1

(4) Instrument detection limits are reported for metals analytes only. The method detection limits are listed for all other analytes.

(5) Establish PQLs prior to analysis.

(6) Results will be reported to the most current detection limits at the time sample analysis is performed.

(7) Minimum Detectable Activity is affected by sample aliquot size and counting time and will be based on the counting error for each sample.

* Attachment A lists representative minimum detectable activities obtained by gamma spectrometry for representative sample aliquots and counting times.

\- Not found in literature review.

NA Not applicable.

ND Not determined.

K.2 Field Equipment Calibration Logs

Designer and Manufacturer of Scientific and Industrial Instruments

CERTIFICATE OF CALIBRATION

LUDLUM MEASUREMENTS, INC.
POST OFFICE BOX 810 PH. 915-235-5494
501 OAK STREET FAX NO. 915-235-4672
SWEETWATER, TEXAS 79556, U.S.A.

TOMER Environmental Restoration Group ORDER NO. 204921

Ludlum Measurements, Inc. Model 19 Serial No. 98063

). Model Serial No.

Cal. Date 03/07/94 Cal Due Date 03/07/95 Cal. Interval 1 Year Meterface 202-016

eck mark ☑ applies to applicable instr. and/or detector IAW mfg. spec. T. 74 °F RH 52 % Alt 706.8 mm Hg

☐ New Instrument Instrument Received ☑ Within Toler. +-10% ☐ 10-20% ☐ Out of Tol. ☐ Requiring Repair

☑ Mechanical ck. ☑ Meter Zeroed ☐ Background Subtract ☐ Input Sens. Linearity
☑ F/S Resp. ck ☑ Reset ck. ☐ Window Operation
☐ Audio ck. ☐ Alarm Setting ck. ☑ Batt. ck. (Min. Volt) 2.2 VDC

rument Volt Set 846 V Input Sens. 35 mV Det. Oper. V at mV Threshold Dial Ratio = mV

☐ HV Readout (2 points) Ref./Inst. / V Ref./Inst. / V

OMMENTS:

Calibration. GM detectors positioned perpendicular to source except for M 44-9 in which the front of probe faces source

RANGE/MULTIPLIER	REFERENCE CAL. POINT	INSTRUMENT REC'D "AS FOUND READING"	INSTRUMENT METER READING*
5000	4000 uR/hr	3900	4000
5000	1000 uR/hr	1000	1000
500	400 uR/hr = 69800 cpm	400	400
500	100 uR/hr = 17400 "	100	100
250	200 uR/hr = 34500 "	205	200
250	100 uR/hr = 17200 "	105	100
50	6980 cpm	41	40
50	1740 cpm	11	10
25	3450 cpm	22	20
25	1720 cpm	11	10

*Uncertainty within ± 10% C.F. within ± 20%

50, 25 **Range(s) Calibrated Electronically**

	REFERENCE CAL. POINT	INSTRUMENT RECEIVED	INSTRUMENT METER READING*
out			

	REFERENCE CAL. POINT	INSTRUMENT RECEIVED	INSTRUMENT METER READING*
Log Scale			

m Measurements, Inc. certifies that the above instrument has been calibrated by standards traceable to the National Institute of Standards and Technology, or to the calibration facilities of International Standards Organization members, or have been derived from accepted values of natural physical constants or have been derived by the ratio type of calibration techniques. bration system conforms to the requirements of MIL-STD-45662A and ANSI N323-1978. State of Texas Calibration License No. LO-1963

ence Instruments and/or Sources:

137 Gamma S/N ☐ 1162 ☐ G112 ☐ M565 ☐ 5105 ☐ T1008 ☑ T879 ☐ Neutron Am-241 Be S/N T-304

Alpha S/N ☐ Beta S/N ☐ Other

m 500 S/N 63888 ☑ Oscilloscope S/N 7090296 ☑ Multimeter S/N A32733

rated By: Stephen Herington Date 3-7-94

eviewed By: Jimmie Fleming Date 3-8-94

C22A 02/04/94

HALLIBURTON NUS
Environmental Corporation

EQUIPMENT CALIBRATION LOG

Instrument (Name/Model No./Serial No.): ~~Thermo Environmental Instruments~~ Model 580 S OVM / 5805-40471-263

Manufacturer Thermo Environmental Instruments **Date Purchased** ~8/92

Calibration Date	Initial Settings	Standard/Gas Used	Procedure	Adjustments Made	Final Settings	Signature	Comments
5/26/94	per manufacturer	isobutylene 100 ppm	per manual	none	101 ppm	RML	—
5/31/94	per manufacturer	"	"	"	99 ppm	RLR	—
6/1/94	per manufacturer	isobutylene 100 ppm	"	"	100 ppm	RML	—
6/2/94	per manufacturer	isobutylene 100 ppm	"	"	100 ppm	RML	—
6/3/94	↓	↓	"	"	99 ppm	RLR	—
6/6/94	↓	↓	"	"	101 ppm	RLR	—
6/7/94	↓	↓	"	"	102 ppm	RLR	—
6/9/94	↓	↓	"	"	102 ppm	RLR	—

Equipment Calibration Log

Thermo Environmental Instruments Model 580B OVM

Manufacturer = Thermo Environmental Instruments Date Purchased = Unknown (Rental unit from EI)

Calibration Date	Initial Settings	Standard/Gas Used	Adjustments Made	Final Settings	Signature	Comments
6-14-94	NA	Isobutylene/100 ppm	None	NA	RLR	calibrated per manual (101 ppm)
6-15-94	↓	↓	↓	↓	RLR	101 ppm
6-16-94					RLR	99 ppm
6-20-94	NA	Isobutylene/100ppm	"	"	RML	99 ppm
6-21-94	NA	Isobutylene/100ppm	"	"	RML	100 ppm
6-22-94	NA	↓	↓	↓	RLR	98 ppm
6-23-94	↓				RLR	100 ppm
6-24-94					RLR	101 ppm
6-27-94					RLR	99 ppm
6-28-94					RLR	100 ppm
6-29-94					RLR	102 ppm

HALLIBURTON NUS
Environmental Corporation

EQUIPMENT CALIBRATION LOG

Instrument (Name/Model No./Serial No.): Beta gamma cpunt ratemeter Model 12 / 98946 / PR107357 (pnb)

Manufacturer Ludlum Measurements Inc **Date Purchased** _____

Calibration Date	Initial Settings	Standard/Gas Used	Procedure	Adjustments Made	CPM ~~Final~~ Settings	Signature	Comments
12-28-93							Manufacturer calibration
5-26-94	N/A	Cs 137	Passive read	none	100K	RmL	response checked
5-31-94	N/A	Cs 137	Passive read	none	100K	RmL	response checked
6-1-94	N/A	Cs 137	Passive read	none	40K	RmL	response checked
6-2-94	N/A	Cs 137	Passive read	none	40K	RmL	response checked
6-3-94	N/A	Cs 137	Passive read	none	40K	RmL	response checked
6-6-94	N/A	Cs 137	Passive read	none	40K	RmL	response checked
6-7-94	N/A	Cs 137	Passive read	none	40K	RmL	response checked
6-8-94	N/A	Cs 137	Passive read	none	40K	RmL	response checked
6-9-94	N/A	Cs 137	"	none	40K	RmL	"
6-10-94	N/A	Cs 137	"	none	40K	RmL	"
6-13-94	N/A	Cs 137	"	none	40K	RmL	"
6-14-94	N/A	Cs137	"	none	40K	RmL	"
6-15-94	N/A	Cs137	"	none	40K	RmL	"
6-16-94	N/A	Cs137	"	none	40K	RmL	"
6-17-94	"	"	"	"	40K	SRC	"
6-20-94	N/A	Cs137	"	"	40K	RmL	"

Note: meter calibrated with probe contacting source

HALLIBURTON NUS
Environmental Corporation

EQUIPMENT CALIBRATION LOG

Instrument (Name/Model No./Serial No.): Beta gamma count rate meter/Model 12/98946/PR107337 and 10336241102829

Manufacturer Ludlum Measurements **Date Purchased** _____

Calibration Date	Initial Settings	Standard/Gas Used	Procedure	Adjustments Made	Final Settings	Signature	Comments
6-21-94	NA	Cs137	passive read	none	40K	RML	response check
6-22-94	NA	Cs137	"	"	40K	RML	"
6-23-94	NA	Cs137	"	"	40K	RML	"
6-24-94	NA	Cs137	"	"	40K	RML	"
6-27-94	NA	Cs137	"	"	40K	RML	"
6-28-94	NA	Cs137	"	"	40K	RML	"
6-29-94	NA	Cs137	"	"	40K	RML	"
7-13-94	NA	Cs137	"	"	60K	RML	"
7-14-94	NA	CS137	"	"	40K	BW	"
7-15-94	NA	Cs137	"	"	40K	RML	"
7-18-94	NA	"	"	"	"	BW	"
7-19-94	NA	"	"	"	"	BW	"
7-28-94	NA	Cs137	"	"	40K	RML	"
7-29-94	NA	CS137	"	"	40K	MAG	"
7-30-94	NA	CS137	"	"	40K	MAG	"
7-31-94	NA	CS137	"	"	40K	MAG	"

S/N 033624/102829

HALLIBURTON NUS
Environmental Corporation

EQUIPMENT CALIBRATION LOG

Instrument (Name/Model No./Serial No.): HNU, model PI101, N6616

Manufacturer HNU **Date Purchased** _____

Calibration Date	Initial Settings	Standard/Gas Used	Procedure	Adjustments Made	Final Settings	Signature	Comments
3/22/94	span 9.8	98.2 ppm ISOBUTYLENE	Regulator Calibration	none	57 ppm	RLS	
3/23/94	"	"	"	"	56 ppm	RLS	
3/24/94	"	" 56 ppm span gas	" ME-01	"	57 ppm	KC	
3/24/94	"	"	ME-01		45 ppm	KC	
3/25/94	"	"	"	ADJUST SPAN TO 10.06	56 ppm	MTC	
3/25/94	10.06	"	"	ADJUST SPAN			
3/27/94							LAMP CLEANED
3/28/94	10.00	"	"	none	154 ppm	MTC	
3/29/94	9.82	98.2 PPM ISOBUTYLENE	ME-01	adjust span ~~none~~	100 PPM	RLS	
3/30/94	"	"	"	none	80 ppm	MTC	
3/30/94	"	"	"	"	125	KC	
3/31/94	10.00	"	"	"	150	MTC	
3/31/94	"	"	"	"	70	KC	
4/4/94	"	"	"	"	145	KC	NEW HNU N-6613 REPLACE
4/4/94 PRE	9.8	"	"	NONE	56	KC	
4/4/94 POST	9.8	"	"	"	57	KC	

HALLIBURTON NUS
Environmental Corporation

EQUIPMENT CALIBRATION LOG

Instrument (Name/Model No./Serial No.): HNu MODEL PI101, N6613

Manufacturer HNu **Date Purchased** _____

Calibration Date	Initial Settings	Standard/Gas Used	Procedure	Adjustments Made	Final Settings	Signature	Comments
4-5-94	SPAN 9.8	98.2 ppm Isobutylene @ 56	ME-01	ADJUST ZERO	55 ppm PMSP	MTC KC	
4694 AM PM	9.8	"	"	NONE	56 HNu would	KC KC	
4-794	9.8	"	"	"		KC KC	INITIAL 0720 56 FINAL 1730 56
4-8-94	9.8	"	"	"		KC	INITIAL 0745 56 FINAL
4-11-94	9.8	"	"	"		KC	INITIAL 1130 56 FINAL 1600 56
4-12-94	9.8	NEW CYL ≈ 56 ppm @	"	"		KC	INITIAL 0715 40
4 13 94	10.0	"	"	incr span.		KC	INITIAL 0735 32 FINAL 1810 32
4 14 94	10	"	"	NONE		KC	initial 1100 34
4 15 94	10	"	"	"		KC	initial 0900 36 Adjusted underway pok.
4-19-94	10	"	"	"	56 ppm	MTC	Adjust Span 2.2 56
4 26 94	9.8	"	"	"			
4-27-94	9.6	"	"	"		KC Adjspan	0830 56 ppm → 1735 50 ppm — to 8.6
4-28-94	8.6	"	"	"	"	Spc	0745 55 ppm 1645 56.
4.29.94	8.6	"	"	"	—	KC	0735 55 ppm 1110 54 ppm
5.2.94	8.6	"	"	"	8.6	KC	0815 56 ppm 1735 55 ppm
5.3.94	8.6	"	"	"	"	KC	0735 56 ppm 1725 55 ppm

HALLIBURTON NUS
Environmental Corporation

EQUIPMENT CALIBRATION LOG

Instrument (Name/Model No./Serial No.): HNu PI 101, N-6613

Manufacturer HNu **Date Purchased** _____

Calibration Date	SPAN Initial Settings	Standard/Gas Used	Procedure	Adjustments Made	SPAN Final Settings	Signature	Comments
5-5-94	8.6	Isobutylene 56 ppm @ EQUIV	ME-01	NONE	8.6	KC	0800 = 55ppm 1530 = 52ppm
5-6-94	9.8	"	"	YES	9.0	SPC	0820 = 56 ppm 1615 = 53 ppm
5-9-94	9.0	"	"	NO	9.0	SPC	0745 - 56 ppm 1500 - 54 ppm
5-10-94	9.0	"	"	NO	9.0	SPC	0740 - 56 ppm 1820 - 54 ppm
5-11-94	9.0	"	"	YES	8.62	SPC	0750 - 56 ppm
5-13-94	8.62	"	"	YES	8.40	SPC	0730 - 56 ppm 1445 - 54 ppm
5-16-94	8.40	"	"	NO	8.40	SPC	0650 - 56 ppm 1820 56 ppm
5-17-94	8.40	"	"	NO	8.40	SPC	0650 56 ppm
5-18-94	8.40	"	"	NO	8.40	SPC	0650 - 56 ppm 1530 - 56 ppm
5-19-94	8.40	"	"	NO	8.40	SPC	0900 56 ppm
5-20-94	8.40	"	"	NO	8.40	SPC	0705 56 ppm
5-23-94	8.40	"	"	NO	8.40	SPC	0700 56 ppm 1615 56 ppm
5-24-94	8.40	"	"	NO	8.40	SPC	0645 56 ppm 1620 56 ppm
5-25-94	8.40	"	"	NO	8.40	SPC	0700 56 ppm 1630 56 ppm
5-26-94	8.40	"	"	NO	8.40	SPC	0720 56 ppm 1610 52 ppm
5-27-94	8.40	"	"	YES	8.30	SPC	0920 56 ppm

HALLIBURTON NUS
Environmental Corporation

EQUIPMENT CALIBRATION LOG

Instrument (Name/Model No./Serial No.): HNu PID 101, N-6613

Manufacturer HNu **Date Purchased** _____

Calibration Date	Initial Span Settings	Standard/Gas Used	Procedure	Adjustments Made	Final Settings	Signature	Comments
5-31-94	8.30	Isobutylene 56 ppm	ME-01	NONE	8.30	SPC	0710 56ppm 1715 56ppm
6-01-94	8.30	Isobutylene 56 ppm	ME-01	INCREASE SPAN	7.90	BW	0720 56ppm
6-02-94	~~8.70~~ 7.80	"	"	NONE	~~8.70~~ 7.80	SPC	0700 56ppm 1945 56ppm
6-6-94	7.80	"	"	"	7.80	SPC	0650 56ppm 1730 56ppm
6-7-94	7.80	"	"	"	7.80	SPC	0700 56ppm 1645 56ppm
6-8-94	7.80	"	"	"	7.80	SPC	0700 56ppm
6-9-94	7.80	"	"	YES (Span)	8.32	SPC	0715 56ppm 1635 56ppm
6-10-94	8.32	"	"	YES (Span)	8.30	SPC	0715 56ppm
6-13-94	8.30	"	"	YES (Span)	8.20	SPC	0715 56ppm 1630 56ppm
6-14-94	8.20	"	"	YES (Span)	8.20	SPC	0645 56ppm 1700 56ppm
6-15-94	8.20	"	"	YES (Span)	~~8.18~~ 7.80	SPC	0700 56ppm
6-16-94	7.80	"	"	NONE	7.80	SPC	0700 56ppm
6-17-94	7.80	"	"	YES (Span)	7.64	SPC	0650 56ppm 1700 56ppm
6-20-94	7.64	"	"	YES (Span)	7.32	SPC	0715 56ppm
6-21-94	7.32	"	"	NO	7.32	SPC	0700 56ppm
6-22-94	7.32	"	"	NO	7.32	SPC	0830 56ppm 1700 56ppm

HALLIBURTON NUS
Environmental Corporation

EQUIPMENT CALIBRATION LOG

Instrument (Name/Model No./Serial No.): HNU PID 101, N-6613

Manufacturer HNu **Date Purchased** _____

Calibration Date	Initial Settings	Standard/Gas Used	Procedure	Adjustments Made	Final Settings	Signature	Comments
6-23-94	7.32	ISO BUTYLENE 56 ppm	ME-01	~~YES (Span)~~ NONE	7.30	SPC	56 ppm 0700
6-24-94	7.30	"	"	NO	"	"	0745 56ppm
6-27-94	7.30	"	"	YES (Span)	7.10	SPC	1305 56ppm 1620 ~~56ppm~~
6-28-94	7.10	"	"	NO	7.10	SPC	0715 56ppm
6-29-94	7.10	"	"	NO	7.10	SPC	0720 56ppm
* 6-30-94	7.10	"	"	YES (Span)	7.38	SPC	0830 56ppm
7-05-94	7.38	"	"	Yes (span)	7.70	BW	0700 56ppm 1800 50 ppm
7/6/94	7.70	"	"	NO	7.70	BW	0650 56ppm 1600 32ppm
7/7/94	7.70	"	"	Yes (span)	7.30	BW	0645 56ppm 1535 51ppm
⇒ 7/13/94	7.30	"	"	NO	"	BW	0728 56ppm
7/14/94	7.30	"	"	Yes (span)	6.90	BW	0635 56ppm
7/15/94	6.9	"	"	NO	6.9	SC	0730 56ppm
7/17/94	6.9	"	"	NO	6.9	BW	0715 56ppm

* Cleaned instrument/working properly after failing on 6-24-94 in the field

Environmental Restoration Group, Inc.
12809 Arroyo de Vista NE
Albuquerque, New Mexico 87111
(505) 298-4224

SHIP TO:

Kevin Walter
Brown & Root Environmental
2300 Buena Vista SE, Suite 110
Albuquerque, NM 87106

P.O.# 2245-2A56-P00385

Date Shipped	Description
03/18/94	1 Ludlum Model 19, Serial #98063 1 Ludlum Model 12, Serial #102829 1 Ludlum Model 44-9, Serial #PR103362 1 Cs Source, Serial #92CS2500934 4 Calibration Certificates 3 Manuals

ERG
Environmental Restoration Group, Inc.
12809 Arroyo de Vista NE
Albuquerque, New Mexico 87111
(505) 298-4224

CERTIFICATE OF CALIBRATION

Model 44-9 S/N PR103762

Source Tc 93TC4700530 Strength 29,000 dpm

GM Tube Voltage 900± 50 Volts DC

HV set 900 VDC (Instrument) _____ VDC ( )

Counts for 2979 / 0.5 Mins

Counts Background 35 / 0.5 Mins

Net cpm 5848

Eff = $\frac{\text{cpm}}{\text{dpm (source)}}$ = 0.2 = _____ cpm/dpm (2)

Function Check:

Source: _____

cpm _____

Comments _____

Date 2/11/94 Calibrated by Kenneth R Baker

HALLIBURTON NUS
Environmental Corporation

EQUIPMENT CALIBRATION LOG

Instrument (Name/Model No./Serial No.): HNU PI101 # N-6609

Manufacturer HNU **Date Purchased** Unknown

Calibration Date	Initial Settings	Standard/Gas Used	Procedure	Adjustments Made	Final Settings	Signature	Comments
6-8-94	8.7	Isobutylene 56ppm	ME-01	Yes (span)	9.56	SC	56 ppm 07.45
6-9-94	9.56	↓	↓	yes (span)	10.34	RR	62 ppm 0750
6-10-94	10.34	↓	↓	no	↓	RR	62 ppm 0740
6-13-94	10.34	↓	↓	no	↓	RR	57 ppm 0802
6-14-94	10.34	↓	↓	yes (span)	10.24	RR	56 ppm 0730
6-15-94	10.24	↓	↓	yes (span)	8.24	RR	56 ppm 1110
6-16-94	8.24	↓	↓	yes (span)	7.57	RR	56 ppm 0733
6-17-94	7.57	↓	↓	↓	7.57	SC	56 ppm 0905
6-20-94	7.57	↓	↓	yes (span)	7.24	RR	56 ppm 1037

HALLIBURTON NUS
Environmental Corporation

EQUIPMENT CALIBRATION LOG

Instrument (Name/Model No./Serial No.): HNU PID 101 SN 301013

Manufacturer HNU **Date Purchased** _____

Calibration Date	Initial Settings	Standard/Gas Used	Procedure	Adjustments Made	Final Settings	Signature	Comments
7/17/94	9.8	Isobutylene 56ppm	ME-01	None	9.8	BW	56ppm 0710
7/18/94	"	"	"	None	"	BW	56ppm 0700
7/26/94	"	"	"	None	"	RML	58 ppm 0900
7/28/94	9.8	"	ME-01	None	9.8	RML	55.5ppm 0720
7/29/94	9.8	"	"	NONE	9.8	MAG	56 ppm 0725
7/30/94	9.8	"	"	NONE	"	MAG	55 ppm 0740
7/31/94	9.8	"	"	NONE	"	MAG	55 ppm 0800

HALLIBURTON NUS
Environmental Corporation

EQUIPMENT CALIBRATION LOG

Instrument (Name/Model No./Serial No.): μR meter 104597 Model 19

Manufacturer Ludlum Date Purchased Rental 7/5 ERG

Calibration Date	Initial Settings	Standard/Gas Used	Procedure	Adjustments Made	Final Settings	Signature	Comments
7/5		CS 137				KC	1000 μR/hr
7-6-94		CS 137				SPC	1000 μR/hr
7-7-94		CS 137				SPC	1000 μR/hr

EQUIPMENT CALIBRATION LOG

Instrument (Name/Model No./Serial No.): Micro R Meter / Model 19 / 89437

Manufacturer Ludlum Measurements Inc Date Purchased _____

Calibration Date	Initial Settings	Standard/Gas Used	Procedure	Adjustments Made	Final Settings (MR/hr)	Signature	Comments
2-2-94					2900 RR		Factory calibration
5-26-94	N/A	Cs 137	Passive Reading	none	~~29,000~~	RLR	
5-31-94	NA	"	"	"	2800	RLR	check / response OK
6-1-94	NA	Cs 137	Passive Reading	none	1000	RML	check response
6-2-94	NA	Cs 137	Passive reading	none	1000	RML	checked response
6-3-94	↓	↓	↓	↓	100	RLR	↓
6-6-94	NA	Cs 137	Passive reading	none	1000	RML	checked response
6-7-94	NA	Cs 137	Passive reading	none	1000	RML	checked response
6-8-94	NA	Cs 137	Passive reading	none	1000	RML	checked response
6-9-94	NA	Cs 137	Passive reading	none	1000	RML	"
6-10-94	NA	Cs 137	"	"	1000	RML	"
S/N 104597 6-28-94	NA	Cs 137	"	"	1000	RML	"

— response checked with meter too close to source

HALLIBURTON NUS
Environmental Corporation

EQUIPMENT CALIBRATION LOG

Instrument (Name/Model No./Serial No.): LUDLUM MODEL 19 STAGE 2B

Manufacturer LUDLUM Date Purchased _____

Calibration Date	Initial Settings	Standard/Gas Used	Procedure	Adjustments Made	Final Settings (μR/hr)	Signature	Comments
3-7-94							FACTORY CALIBRATION
3-24-94	N/A	Cs-137	Passive Reading	none	140	MTC	
3-25-94	"	"	"	"	160	MTC	
3-28-94	"	"	"	"	140	MTC	
3-29-94	"	"	"	"	150	MTC	
3-30-94	"	"	"	"	150	MTC	
3-31-94	"	"	"	"	160	MTC	
4-5-94	"	"	"	"	290	MTC	
4-6-94	"	"	"	"	300	KC	
4-7-94	"	"	"	"	300	KC	
4 8 94	"	"	"	"	800	KC	
4 11 94	"	"	"	"	800	KC	
4 12 94	"	"	"	"	900	KC	
4 13 94	"	"	"	"	900	KC	
4 19 94	"	"	"	"	300	MTC	
4 20 94					900	KC	

HALLIBURTON NUS
Environmental Corporation

EQUIPMENT CALIBRATION LOG

Instrument (Name/Model No./Serial No.): Ludlum M STAGE 2B

Manufacturer _____ Date Purchased _____

Calibration Date	Initial Settings	Standard/Gas Used	Procedure	Adjustments Made	Final Settings	Signature	Comments
4-22-94	N/A	C-137		NONE	NONE	KC	1,000
4-26-94	N/A	"		"	"	KC	900
4-27-94	"	"		"	"	SC	1,000
4-28-94	"	"		"	"	SC	1,000
4-29-94	—	—	—	"	—	KC	1,000
5-2-94	"	"		"	NA	KC	1,000
5-3-94	"	"	—	"	NA	SPC	1,000
5-5-94	"	"		"	NA	KC	1,000
5-6-94	"	"		"	NA	KC	1,000
5-9-94	"	"		"	NA	SPC	1,000
5-10-94	"	"		"	NA	SPC	1,000
5-11-94	"	"		"	N/A	SPC	1,000
5-13-94	"	"	"	"	N/A	SPC	1,000
5-16-94	"	"	"	"	N/A	SPC	1,000
5-17-94	"	"	"	"	N/A	SPC	1,000
5-18-94	"	"	"	"	NA	SPC	1,000

HALLIBURTON NUS
Environmental Corporation

EQUIPMENT CALIBRATION LOG

Instrument (Name/Model No./Serial No.): Cubicum 19 STAGE 2B

Manufacturer _____ Date Purchased _____

Calibration Date	Initial Settings	Standard/Gas Used	Procedure	Adjustments Made	Final Settings	Signature	Comments
5-19-94	N/A	Cs 137	PASSIVE READING	NONE	NONE	SPC	1000
5-20-94	"	"	"	"	"	SPC	1000
5-23-94	N/A	"	"	"	"	SPC	1000
5-24-94	N/A	"	"	"	"	SPC	1000
5-25-94	"	"	"	"	"	SPC	1000
5-26-94	"	"	"	"	"	SPC	1000
5-27-94	"	"	"	"	"	SPC	1000
6-1-94	"	"	"	"	"	SPC	1,000
5-31-94	"	"	"	"	"	SPC	1,000
6-3-94	"	"	"	"	"	SPC	1,000
6-6-94	"	"	"	"	"	SPC	1,000
6-7-94	"	"	"	"	"	SPC	1,000
6-8-94	"	"	"	"	"	SPC	1,000
6-9-94	"	"	"	"	"	SPC	1,000
6-10-94	"	"	"	"	"	SPC	1,000
6-13-94	"	"	"	"	"	SPC	1,000

HALLIBURTON NUS
Environmental Corporation

EQUIPMENT CALIBRATION LOG

Instrument (Name/Model No./Serial No.): Ludlum 19 Stage 2B

Manufacturer _____ Date Purchased _____

Calibration Date	Initial Settings	Standard/Gas Used	Procedure	Adjustments Made	Final Settings	Signature	Comments
6-14-94	N/A	Cs 137	PASSIVE READING	NONE	NONE	SPC	1,000
6-15-94	"	"	"	"	"	SPC	1,000
6-16-94	"	"	"	"	"	SPC	1,000
6-17-94	"	"	"	"	"	SPC	1,000
6-20-94	"	"	"	"	"	SPC	1,000
6-20-94	"	"	"	"	"	SPC	1,000
6-21-94	"	"	"	"	"	SPC	1,000
6-22-94	"	"	"	"	"	SPC	1,000
6-23-94	"	"	"	"	"	SPC	1,000
6-24-94	"	"	"	"	"	SPC	1,000
6-27-94	"	"	"	"	"	SPC	1,000
6-28-94	"	"	"	"	"	SPC	1,000
6-29-94	"	"	"	"	"	SPC	1,000
063094	"	"	"	"	"	SPC	1,000
070594	"	"	"	"	"	BW	1,000
7/6/94	"	"	"	"	"	BW	1,000

HALLIBURTON NUS
Environmental Corporation

EQUIPMENT CALIBRATION LOG

Instrument (Name/Model No./Serial No.): LudLum 19 · Stage 2B

Manufacturer _____ **Date Purchased** _____

Calibration Date	Initial Settings	Standard/Gas Used	Procedure	Adjustments Made	Final Settings	Signature	Comments
7/7/94	N/A	CS137	Passive Reading	None	None	BW	1,000

HALLIBURTON NUS
Environmental Corporation

EQUIPMENT CALIBRATION LOG

Instrument (Name/Model No./Serial No.): OVA 108 A 21793

Manufacturer CENTURY FOXBORO **Date Purchased** _____

Calibration Date	Initial Settings	Standard/Gas Used	Procedure	Adjustments Made	Final Settings	Signature	Comments
4/12/94	SPAN 620	Methane 100 ppm	ME-02	NONE		KC	INITIAL: 1520 100ppm
4-13-94	630	CH4 100 ppm 150psi	"			KC	INITIAL: 0730 100ppm
4 14 94	630	"	"	SPAN	630	KC	Initial: 1102 100ppm
4 15 94	630	"	"	NONE	630	KC	Initial: 1000 100ppm
4-19-94	624	"	"	span	624	KC	0900 - 100ppm
4 20 94	615	"	"	"	615	KC	0830 100ppm
4 22 94	615	"	"			KC	0900 100ppm 1645 85ppm
4 26 94	650	"	"		650	KC	755 100ppm
4 27 94	650	"	"	"	650	KC	
4-28-94	650	"	"	NONE	650	SPC	0810 100 ppm 1450 95 ppm
4 29-94	650	"	"	NONE	650	KC	0740 100ppm
5-2-94	650	"	"	"	"	KC	0800 100ppm 1736 95ppm
5-3 94	650	"	"	"	650	KC	0730 100ppm 1920 92 ppm
5-5-94	650	"	"	"	650	SPC	0805 100ppm 1530 98ppm
5-6-94	650	"	"	span	650	SPC	0825 100 ppm 1617 82 PPM
5-9-94	650	"	"	Span	660	SPC	0740 100 ppm 1510 110 ppm

HALLIBURTON NUS
Environmental Corporation

EQUIPMENT CALIBRATION LOG

Instrument (Name/Model No./Serial No.): OVA 108 A21793

Manufacturer CENT. FOXBORO **Date Purchased** _____

Calibration Date	Initial Settings	Standard/Gas Used	Procedure	Adjustments Made	Final Settings	Signature	Comments
5-10-94	660	METHANE 100 ppm	ME-02	YES (Span)	668	SPC	0735 - 100 ppm 1835 - 110 ppm
5-11-94	668	"	"	YES (Span)	659	SPC	0755 - 100 ppm
5-13-94	659	"	"	YES "	~~650~~	SPC	0740 - 100 ppm 1450 - 110 ppm
5-16-94	650	"	"	YES "	640	SPC	0700 - 100 ppm 1625 - 115 ppm
5-17-94	640	"	"	YES "	650	SPC	0700 - 100 ppm
5-18-94	650	"	"	YES "	662	SPC	0705 - 100 ppm BATTERY DEAD
5-19-94	662	"	"	YES "	672	SPC	0900 - 100 ppm 1730 - 110 ppm
5-20-94	672	"	"	YES "	678	SPC	0710 - 100 ppm
5-23-94	678	"	"	NO "	678	SPC	0715 - 100 ppm 1610 - 110 ppm
5-24-94	678	"	"	NO	678	SPC	0700 100 ppm 1615 105 ppm
5-25-94	678	"	"	YES (Span)	~~678~~ 704	SPC	0710 100 ppm 1635 90 ppm
5-26-94	704	"	"	YES "	710	SPC	0710 100 ppm
5-27-94	710	"	"	YES	690	SPC	0930 100 ppm
5-31-94 ~~5-28-94~~	690	"	"	YES	636	SPC	0720 110 ppm 1722 80 ppm
6-1-94	636	"	"	YES	622	SPC	735 100 ppm BATTERY DEAD
6-3-94	~~636~~ 622	"	"	YES	664	SPC	0715 100 ppm 1750 60 ppm

NEW CAL. GAS →

HALLIBURTON NUS
Environmental Corporation

* As of 6/27/94 OVA 108 Meter Replaced
* As of 6/24/94 OVA 128 used

EQUIPMENT CALIBRATION LOG

Instrument (Name/Model No./Serial No.): OVA 108 AZ1793

Manufacturer CENTURY FOXBORO Date Purchased _____

Calibration Date	Initial Settings	Standard/Gas Used	Procedure	Adjustments Made	Final Settings	Signature	Comments
6-6-94	664	METHANE 100 ppm	ME-02	YES (SPAN)	636	SPC	100 ppm - 0720 ~~100 ppm - 1720~~
6-7-94	636	"	"	YES (SPAN)	632	SPC	0720 - 100 ppm
6-8-94	632	"	"	NO	632	SPC	0730 - 100 ppm
6-9-94	632	"	"	YES (SPAN)	630	SPC	0725 - 100 ppm ~~1630 100 ppm~~
6-10-94	630	"	"	YES "	628	SPC	0730 100 ppm
6-13-94	628	"	"	NO -	628	SPC	0735 100 ppm ~~1645 100 ppm~~
6-14-94	628	"	"	YES (SPAN)	620	SPC	~~0650 100 ppm~~ 1700 100 ppm
6-15-94	620	"	"	YES (SPAN)	618	SPC	0710 100 ppm
6-16-94	618	"	"	NONE	618	SPC	0720 100 ppm ~~1800 110 ppm~~
6-17-94	618	"	"	YES (SPAN)	604	SPC	0710 100 ppm
6-20-94	604	"	"	YES (SPAN)	616	SPC	0800 100 ppm
6-21-94	616	"	"	NO	616	SPC	0730 100 ppm
6-22-94	616	"	"	YES (SPAN)	618	SPC	0820 100 ppm
6-23-94	READOUT METER BROKEN, NOT OPERABLE TODAY						
6-24-94	COULD NOT CALIBRATE OVA 128						
6-27-94	618	METHANE (100 ppm)	ME-02	YES (SPAN)	630	SPC	1320 100 ppm

HALLIBURTON NUS
Environmental Corporation

EQUIPMENT CALIBRATION LOG

Instrument (Name/Model No./Serial No.): OVA 108 A21793

Manufacturer CENTURY FOXBORO Date Purchased _____

Calibration Date	Initial Settings	Standard/Gas Used	Procedure	Adjustments Made	Final Settings	Signature	Comments
6-28-94	630	METHANE 100ppm	ME-02	NONE	6.30	SPC	0730 100ppm
6-29-94	630	"	"	"	6.30	SPC	0730 100ppm
6-30-94	630	"	"	YES (span)	6.36	SPC	0800 100ppm
7-05-94	636 ~~6710~~	"	"	Yes (span)	6.06	BW	0710 100ppm 1800 90ppm
7/6/94	6.06	"	"	Yes (span)	6.18	BW	0650 100ppm
7/7/94	6.18	"	"	NO	6.18	SPC	0705 100ppm
7/8/94	6.18	"	"	No	6.18	SPC	0645 100ppm
7/9/94	6.18	"	"	No	6.18	SPC	0700 100ppm
7-12-94	6.18	"	"	YES	6.34	SPC	0915 100ppm
7-15-94	6.34	"	"	Yes	6.32	BW	0745 100ppm

HALLIBURTON NUS
Environmental Corporation

N9505

EQUIPMENT CALIBRATION LOG

Instrument (Name/Model No./Serial No.): OVA MODEL 128 GC

Manufacturer CENTURY OVA **Date Purchased** _____

Calibration Date	Initial Settings	Standard/Gas Used	Procedure	Adjustments Made	Final Settings	Signature	Comments
3-22-94			HYDROGEN RECHARGING				
4-4-94	10.	100ppm CH4	Me-02	Span 10.0		KC	95ppm
~~SAM~~	~~BACK~~	~~FOR REFUSE~~	11	~~SAS~~			

A-12

HALLIBURTON NUS
Environmental Corporation

EQUIPMENT CALIBRATION LOG

Instrument (Name/Model No./Serial No.): 5049Z OVA 128

Manufacturer Foxboro **Date Purchased** Rent PIT NUS

Calibration Date	Initial Settings	Standard/Gas Used	Procedure	Adjustments Made	Final Settings	Signature	Comments
7/12/94	—	100 ppm Methane	ME-02				0745 100 ppm CH_4
7/14/94	3.80	"	"	Yes	4.90	BW	0645 100 ppm CH_4

HALLIBURTON NUS
Environmental Corporation

EQUIPMENT CALIBRATION LOG

Instrument (Name/Model No./Serial No.): OVA 128 5071Y

Manufacturer FOXBORO Date Purchased Rental

Calibration Date	Initial Settings	Standard/Gas Used	Procedure	Adjustments Made	Final Settings	Signature	Comments
7/12/94		100ppm CH4	ME-02			KC	0745 100ppm

HALLIBURTON NUS
Environmental Corporation

EQUIPMENT CALIBRATION LOG

Instrument (Name/Model No./Serial No.): Foxboro OVA 108 A 21507

Manufacturer Foxboro **Date Purchased** RENTAL Env. Inst Services Inc. 7/5

Calibration Date	Initial Settings	Standard/Gas Used	Procedure	Adjustments Made	Final Settings	Signature	Comments
7/5/94		100ppm CH_4 in Air 2/22/94	ME 02	NONE		KC	100ppm – 1115
7-15-94	540	"	"	Span	540	SPC	100 ppm 0800

HALLIBURTON NUS
Environmental Corporation

As of 7/7/94
OVA 108 replaced with below
For 2B

EQUIPMENT CALIBRATION LOG

Instrument (Name/Model No./Serial No.): OVA 108

Manufacturer Century Foxboro Date Purchased A21507

Calibration Date	Initial Settings	Standard/Gas Used	Procedure	Adjustments Made	Final Settings	Signature	Comments
7/7/94	4.96	Methane 100 ppm	MF-02	None	4.96	[illegible]	0700 100 ppm 1338 98 ppm

HALLIBURTON NUS
Environmental Corporation

EQUIPMENT CALIBRATION LOG

Instrument (Name/Model No./Serial No.): LUDLUM MODEL 12 STAGE 2B

Manufacturer LUDLUM Date Purchased _____

Calibration Date	Initial Settings	Standard/Gas Used	Procedure	Adjustments Made	Final Settings (ct/min)	Signature	Comments
12-28-93							FACTORY CALIBRATION
3-24-94	N/A	Cs-137	PASSIVE READING	none	40,000	MTC	
3-25-94	"	"	"	"	41,000	MAC	
3-28-94	"	"	"	"	28,000	MTC	
3-29-94	"	"	"	"	41,000	MTC	
3-30-94	"	"	"	"	40.000	MTC	
3-31-94	"	"	"	"	39,000	MAC	
3 31 94	"	"		"	30,000	KC	
4 4 94	"	"		"	30,000	KC	
4-5-94	"	"	"	"	36.000	MTC	
4-6-94	"	"	"	"	40,000	KC	
4 7 94	"	"	"	"	40,000	KC	
4 8 94	"	"	"	"	40,000	KC	
4 11 94	"	"	"	"	40,000	KC	
4 12 94	"	"	"	"	35,000	KC	
4 13 94	"	"	"	"	40,000	KC	

HALLIBURTON NUS
Environmental Corporation

EQUIPMENT CALIBRATION LOG

Instrument (Name/Model No./Serial No.): Ludlum 12 STAGE 2B

Manufacturer _____ Date Purchased _____

Calibration Date	Initial Settings	Standard/Gas Used	Procedure	Adjustments Made	Final Settings (counts/min)	Signature	Comments
4-15-94	N/A	Cs 137				KC	35,000
4-19-94	"	"	Instrument Reading	none	30,000	WTC	
4-20-94	"	"	"	"	38,000	KC	
4-22-94	"	"	"	"	35,000	KC	
4-26-94	"	"	"	"	38 K	KC	
4-27-94	"	"	"	"	32 K	SC	
4-28-94	"	"	"	"	36 K	SC	
4-29-94	—	"	"	"	40 K	KC	
5-3-94	"	"	"	"	40 K	SPC	
5-5-94	"	"	"	"	36 K	KC	
5-9-94	"	"	"	"	40 K	SPC	
5-10-94	"	"	"	"	40 K	SPC	
5-11-94	"	"	"	"	40 K	SPC	
5-13-94	"	"	"	"	40 K	SPC	
5-16-94	"	"	"	"	40 K	SPC	
5-17-94	"	"	"	"	40 K	SPC	

HALLIBURTON NUS
Environmental Corporation

EQUIPMENT CALIBRATION LOG

Instrument (Name/Model No./Serial No.): Ludlum 12 Stage 2B

Manufacturer _____ **Date Purchased** _____

Calibration Date	Initial Settings	Standard/Gas Used	Procedure	Adjustments Made	Final Settings (cpm)	Signature	Comments
5-18-94	N/A	Cs 137	PASSIVE READ	NONE	40K	SPC	
5-19-94	N/A	Cs 137	"	"	40K	SPC	
5-20-94	N/A	Cs 137	"	"	40K	SPC	
5-23-94	N/A	"	"	"	40K	SPC	
5-24-94	N/A	"	"	"	40K	SPC	
5-25-94	N/A	"	"	"	40K	SPC	
5-26-94	N/A	"	"	"	40K	SPC	
5-27-94	N/A	"	"	"	40K	SPC	
5-31-94	N/A	"	"	"	40K	SPC	
6-1-94	N/A	"	"	"	40K	SPC	
6-3-94	N/A	"	"	"	40K	SPC	
6-6-94	N/A	"	"	"	40K	SPC	
6-7-94	N/A	"	"	"	40K	SPC	
6-8-94	N/A	"	"	"	40K	SPC	
6-9-94	N/A	"	"	"	40K	SPC	
6-10-94	N/A	"	"	"	40K	SPC	

HALLIBURTON NUS
Environmental Corporation

EQUIPMENT CALIBRATION LOG

Instrument (Name/Model No./Serial No.): Luscum 12 STAGE 2B

Manufacturer _____ Date Purchased _____

Calibration Date	Initial Settings	Standard/Gas Used	Procedure	Adjustments Made	Final Settings	Signature	Comments
6-13-94	N/A	Cs^{137}	Passive Peak	NONE	40K	SPC	
6-14-94	"	"	"	"	40K	SPC	
6-15-94	"	"	"	"	40K	SPC	
6-16-94	"	"	"	"	40K	SPC	
6-17-94	"	"	"	"	40K	SPC	
6-20-94	"	"	"	"	40K	SPC	
6-21-94	"	"	"	"	40K	SPC	
6-22-94	"	"	"	"	40K	SPC	
6-23-94	"	"	"	"	40K	SPC	
6-24-94	"	"	"	"	40K	SPC	
6-27-94	"	"	"	"	40K	SPC	
6-28-94	"	"	"	"	40K	SPC	
6-29-94	"	"	"	"	40K	SPC	
6-30-94	"	"	"	"	40K	SPC	
7-5-94	"	"	"	"	40K	BW	
7/6/94	"	"	"	"	40K	BW	

HALLIBURTON NUS
Environmental Corporation

EQUIPMENT CALIBRATION LOG

Instrument (Name/Model No./Serial No.): Lud Lum 12 Stage 2B

Manufacturer _____ **Date Purchased** _____

Calibration Date	Initial Settings	Standard/Gas Used	Procedure	Adjustments Made	Final Settings	Signature	Comments
7/7/94	N/A	CS 137	Passive Ref	None	40K	BW	

THE SOURCE INC.

Radiation standards and check sources
2810 Siler Lane, Santa Fe, NM 87501
(505)473-9538 FAX(505)473-5805

Ref. PO# 26-1673

Certificate of Calibration

(Gamma Sources)

The Cesium 137 gamma ray emmission rate was compared with a NIST (formerlyNBS) SRM 4200B-134 . The comparison was completed using a Sodium Iodide or GeLi gamma detector.

The gamma activity of the standard on 03/12/92 was 9.20uCi .

The uncertainty of the measurement and the activity of the source is 10.0% which is the sum of the uncertainty of the NBS standard and the random error of counting at the 99% confidence interval.

Serial NO. 92CS2500934

Active Diameter(or area) ¼" Mounting Material Plastic

Total Diameter(or area) 1" Thickness 1/8"

Calibrated by: _____ Calibration Manager
Michael A. Ortiz
Date Signed: 03-18-92

Approved by: _____ Q.A. Manager
Charles L. Gonzales

ERG
Environmental Restoration Group, Inc.
12809 Arroyo de Vista NE
Albuquerque, New Mexico 87111
(505) 298-4224

CERTIFICATE OF CALIBRATION

Customer _____

Order No. _____

Mfg. Ludlum Model 12 Serial No. 102829

Mfg. _____ Detector Model _____ Serial No. _____

Cal. Date 12-28-93 Cal. Due 12-28-94 Temperature 70 °

Cal. Interval _____ Procedure: In accordance with Mfg. Spec. Humidity 30 %

INSTRUMENT RECEIVED

- ☑ Within tolerance + — 10%
- ☐ Out of tolerance
- ☐ 10%-20%
- ☐ Requiring repair
- ☐ New instrument

OPERATING PARAMETERS

- ☐ Threshold Dial Setting _____
- ☐ Det. Oper. voltage _____ V.
- ☐ Input sensitivity 10 mV
- ☐ Det. performance check only

COMMENTS:
Checked HV from 500 - 1500 VOLTS

RANGE MULTIPLIER	REFERENCE CALIBRATION POINT	INSTRUMENT DIAL READING	INSTRUMENT RECEIVED "AS FOUND" READING
1000	400 Kcpm	400 Kcpm	400 Kcpm
1000	100 Kcpm	100	100
100	40 "	40	39.5
100	10 "	10	10
10	4 "	4	4
10	1 "	1	1
1	400 cpm	400	400
1	100 "	100	100

Range(s) Calibrated with Ludlum Model 500 Pulser

CALIBRATION—NIST TRACEABLE

- ☐ Cs137 Gamma
- ☐ Neutron Am-241/Be
- ☐ Alpha _____
- ☐ Beta _____
- ☐ Other _____
- ☐ ELECTRONIC CALIBRATION

Calibrator Kenneth C Baker

Date 12-28-93 Quality Control _____

K.3 Data Validation Memos

Brown & Root Environmental **INTERNAL MEMORANDUM**

TO: Karin Crandall **DATE:** August 16, 1994

FROM: Cheryle C. Lu **COPIES:** File 2A56

SUBJECT: **INORGANIC DATA VALIDATION**
KIRTLAND AIR FORCE BASE, RFI DATA
CASE NO. KRT2B, SDG NO. ST201

SAMPLES: Soil: ST-201-02-0608, ST-201-02-1113, ST-201-03-1113.

HALLIBURTON NUS Laboratories analyzed 6 soil samples and 1 water sample (equipment blank) for Target Analyte List (TAL) metals and Molybdenum by Inductively Coupled Plasma (ICP) method and for mercury by Cold Vapor method. This memorandum only addresses the evaluation of the three soil samples listed above since only ten percent of all data will be reviewed.

Data for these analyses were reviewed with reference to the EPA "Functional Guidelines for Inorganic Data Validation", the "Brooks Air Force Base IRP Handbook," and the Stage 2B Sampling and Analysis Plan, January 1993. The data were evaluated according to the following parameters:

- Data completeness
- Holding Times
- Calibrations
- * Blanks
- * ICP Interference Check Results
- * Matrix Spike Recoveries
- Laboratory Duplicates
- * Laboratory Control Sample Results
- Detection Limit Results
- Sample Results

The symbol (*) indicates that quality control criteria were not met for this parameter. Analysis of CRDL standards and ICP Serial dilutions are not contractually required, consequently, the sample data were not evaluated for these parameters. Additionally, field duplicate results were not evaluated since the field duplicate pair was not reviewed during validation of this data package. Problems affecting data usability are addressed below, and the attached Table 1 summarizes the data validation qualifications.

Blanks

Laboratory method and field quality control blank analyses yielded the following contaminants at the maximum concentrations indicated:

Contaminant	Maximum Concentration	Action Level* for soil samples (mg/kg)
Calcium[1]	47 ug/l	23.5
Copper[1]	2.0 ug/l	1.0
Iron	33 ug/l	16.5
Sodium	441 ug/l	220.5
Vanadium	0.5 mg/kg	2.5
Zinc[2]	10 ug/l	5.0

* A 1 g to 100 ml sample digestion was employed for these soil samples.

[1] - A negative concentration was noted for this analyte.
[2] - Maximum concentration of contaminant found in field quality control blank.

Action levels of 5X these concentrations were used to evaluate the sample data. Sample weight, moisture content and dilution factors were taken into consideration prior to the application of all action levels. Positive results for sodium less than the action level were qualified as undetected, "U". No actions were taken for the remaining analytes since all sample concentrations of these analytes were nondetects or greater than the action levels.

Negative concentrations were reported for cadmium, calcium, copper and selenium in various laboratory method blanks. These occurrences are an indication of poor instrument performance (base-line fluctuations). Positive results and nondetects for these analytes are qualified as estimated, "J" and "UJ", respectively.

Interference Check Sample Results:

The interfering analyte iron was present in all three validated samples and calcium was present in one of the three samples at concentrations which exceeded 50% of the respective concentrations in the ICP solution for these analytes. Additionally, arsenic, sodium, barium, manganese, molybdenum, and zinc which were not supposed to be present in the ICS solution were detected in this solution at levels which exceeded two times (2X) the IDL. In addition, elevated positive results may exist for the other compounds as a results of interference stemming from high iron and calcium concentrations. Positive results for manganese and zinc in the affected samples were

qualified as estimated, "J". No action was necessary for sodium since this result in the affected samples was qualified as a result of blank contamination. None of the other analytes were affected by interferences stemming from high iron and calcium concentrations.

Furthermore, nondetected results for arsenic and molybdenum in the affected samples have been rejected, "R", as a result of suppression due to the high iron and calcium concentrations.

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Results:

The soil Matrix Spike/Matrix Spike Duplicate (MS/MSD) Percent Recoveries (%Rs) for potassium exceeded the upper quality control criteria. Positive results for potassium in the soil matrix were qualified as estimated "J".

The soil MS/MSD (%R) for barium was lower than the quality control criteria. Positive results for barium in the soil matrix were qualified as estimated "J".

Laboratory Control Sample Results:

The solid LCS results for aluminum were outside quality control limits for the soil matrix. Positive results for aluminum were qualified as estimated, "J".

No other problems were noted.

KIRTLAND AIR FORCE BASE
CASE NO. KRT2B, SDG NO. ST201
TABLE 1 - RECOMMENDATION SUMMARY

Aluminum	J^5		Magnesium		
Antimony			Manganese	J^4	
Arsenic		R^1	Mercury		
Barium	J^3		Molybdenum		R^1
Beryllium			Nickel		
Cadmium	J^1		Potassium	J^2	
Calcium	J^1		Selenium	J^1	
Chromium			Silver		
Copper	J^1		Sodium	A^1	
Cobalt			Thallium		
Iron			Vanadium		
Lead			Zinc	J^4	

If the field is left blank, the qualifier is A, accept all data.

A^1 - Accept data, but change positive result (where appropriate) to a revised detection limit because of blank contamination.

J^1 - Estimate "J", positive results or, "UJ", nondetects because negative concentrations were reported in the laboratory method blanks. Sample results are estimated due to poor instrument performance.

J^2 - Estimate "J", positive results because of high MS/MSD recovery.

J^3 - Estimate "J", positive result because of low MS/MSD recovery.

J^5 - Estimate "J", positive results because of high solid LCS results.

J^4 - Estimate "J", positive results due to ICP ICS interference as a result of high iron and calcium concentrations.

R^1 - Reject, "R",nondetects as a result of suppression due to high iron and calcium concentrations.

Brown & Root Environmental **INTERNAL MEMORANDUM**

TO: Karin Crandall **DATE:** August 16, 1994

FROM: Cheryle C. Lu **COPIES:** File 2A56

SUBJECT: **INORGANIC DATA VALIDATION**
KIRTLAND AIR FORCE BASE, RFI DATA
CASE NO. KRT2B, SDG NO. ST202

SAMPLES: Soil: ST-202-01-0710

HALLIBURTON NUS Laboratories analyzed 2 soil samples and 1 water sample (equipment blank) for Target Analyte List (TAL) metals and Molybdenum by Inductively Coupled Plasma (ICP) method and for mercury by Cold Vapor method. This memorandum only addresses the evaluation of the one soil samples listed above since only ten percent of all data will be reviewed.

Data for these analyses were reviewed with reference to the EPA "Functional Guidelines for Inorganic Data Validation", the "Brooks Air Force Base IRP Handbook," and the Stage 2B Sampling and Analysis Plan, January 1993. The data were evaluated according to the following parameters:

- Data completeness
- Holding Times
- Calibrations
- * Blanks
- * ICP Interference Check Results
- Matrix Spike Recoveries
- Laboratory Duplicates
- Laboratory Control Sample Results
- Detection Limit Results
- Sample Results

The symbol (*) indicates that quality control criteria were not met for this parameter. Analysis of CRDL standards and ICP Serial dilutions are not contractually required, consequently, the sample data were not evaluated for these parameters. Additionally, field duplicate results were not evaluated since the field duplicate pair was not reviewed during validation of this data package. Problems affecting data usability are addressed below, and the attached Table 1 summarizes the data validation qualifications.

Blanks

Laboratory method and field quality control blank analyses yielded the following contaminants at the maximum concentrations indicated:

Contaminant	Maximum Concentration	Action Level* for soil samples (mg/kg)
Aluminum	27 ug/l	13.5
Calcium[1]	37 ug/l	18.5
Copper[1]	1 ug/l	0.5
Iron	23 ug/l	11.5
Sodium	441 ug/l	220.5
Vanadium	5 ug/l	2.5
Zinc[2]	26 ug/l	13

* A 1 g to 100 ml sample digestion was employed for these soil samples.

[1] - A negative concentration was noted for this analyte.
[2] - Maximum concentration of contaminant found in field quality control blank.

Action levels of 5X these concentrations were used to evaluate the sample data. Sample weight, moisture content and dilution factors were taken into consideration prior to the application of all action levels. The positive result for sodium less than the action level was qualified as undetected, "U". No actions were taken for the remaining analytes since all sample concentrations of these analytes were nondetects or greater than the action levels.

Negative concentrations were reported for calcium, cadmium, copper, silver and selenium in various laboratory method blanks. These occurrences are an indication of poor instrument performance (base-line fluctuations). Positive results and nondetects for these analytes are qualified as estimated, "J" and "UJ", respectively.

Interference Check Sample Results:

The interfering analyte calcium was present in one sample at a concentration which exceeded 50% of the respective concentration in the ICP solution for this analyte. Additionally, arsenic, sodium, barium, copper, molybdenum, vanadium and zinc which were not supposed to be present in the ICS solution were detected in this solution at levels which exceeded two times (2X) the IDL. In addition, elevated positive results may exist for the other compounds as a results of interference stemming from high calcium

KIRTLAND AIR FORCE BASE
CASE NO. KRT2B, SDG NO. ST202
TABLE 1 - RECOMMENDATION SUMMARY

Aluminum			Magnesium		
Antimony			Manganese		
Arsenic		R^1	Mercury		
Barium			Molybdenum		R^1
Beryllium			Nickel		
Cadmium	J^1		Potassium		
Calcium	J^1		Selenium	J^1	
Chromium			Silver	J^1	
Copper	J^1		Sodium	A^1	
Cobalt			Thallium		
Iron			Vanadium	J^2	
Lead			Zinc	J^2	

If the field is left blank, the qualifier is A, accept all data.

A^1 - Accept data, but change positive result (where appropriate) to a revised detection limit because of blank contamination.

J^1 - Estimate "J", positive results or, "UJ", nondetects because negative concentrations were reported in the laboratory method blanks. Sample results are estimated due to poor instrument performance.

J^2 - Estimate "J", positive results due to ICP ICS interference as a result of high calcium concentrations.

R^1 - Reject, "R", nondetects as a result of suppression due to high calcium concentrations.

Brown & Root Environmental **INTERNAL MEMORANDUM**

TO: Karin Crandall **DATE:** August 16, 1994

FROM: Cheryle C. Lu **COPIES:** File 2A56

SUBJECT: **INORGANIC DATA VALIDATION**
KIRTLAND AIR FORCE BASE, RFI DATA
CASE NO. KRT2B, SDG NO. ST208

SAMPLES: Soil: ST-208-01-0810

HALLIBURTON NUS Laboratories analyzed 7 soil samples for Target Analyte List (TAL) metals and Molybdenum by Inductively Coupled Plasma (ICP) method and for mercury by Cold Vapor method. No field quality control blanks were included in this package. This memorandum only addresses the evaluation of the one soil samples listed above since only ten percent of all data will be reviewed.

Data for these analyses were reviewed with reference to the EPA "Functional Guidelines for Inorganic Data Validation", the "Brooks Air Force Base IRP Handbook," and the Stage 2B Sampling and Analysis Plan, January 1993. The data were evaluated according to the following parameters:

	• Data completeness
	• Holding Times
	• Calibrations
*	• Blanks
	• ICP Interference Check Results
*	• Matrix Spike Recoveries
	• Laboratory Duplicates
*	• Laboratory Control Sample Results
	• Detection Limit Results
	• Sample Results

The symbol (*) indicates that quality control criteria were not met for this parameter. Analysis of CRDL standards and ICP Serial dilutions are not contractually required, consequently, the sample data were not evaluated for these parameters. Additionally, field duplicate results were not evaluated since the field duplicate pair was not reviewed during validation of this data package. Problems affecting data usability are addressed below, and the attached Table 1 summarizes the data validation qualifications.

Blanks

Laboratory method and field quality control blank analyses yielded the following contaminants at the maximum concentrations indicated:

Contaminant	Maximum Concentration	Action Level* for soil samples (mg/kg)
Calcium[1]	4.8 mg/kg	24
Copper[1]	2 ug/l	1.0
Iron	33 ug/l	16.5
Silver	3 ug/l	1.5

* A 1 g to 100 ml sample digestion was employed for these soil samples.

[1] - A negative concentration was noted for this analyte.
[2] - Maximum concentration of contaminant found in field quality control blank.

Action levels of 5X these concentrations were used to evaluate the sample data. Sample weight, moisture content and dilution factors were taken into consideration prior to the application of all action levels. No actions were taken since all sample concentrations of these analytes were nondetects or greater than the action levels.

Negative concentrations were reported for aluminum, calcium, sodium and selenium in various laboratory method blanks. These occurrences are an indication of poor instrument performance (base-line fluctuations). Positive results and nondetects for these analytes are qualified as estimated, "J" and "UJ", respectively.

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Results:

The soil Matrix Spike/Matrix Spike Duplicate (MS/MSD) Percent Recoveries (%Rs) for barium and potassium exceeded the upper quality control criteria. Positive results for barium and potassium in the soil matrix were qualified as estimated "J".

The soil MS/MSD %Rs for copper were below the lower quality control limits. The positive result for copper was qualified as estimated, "J".

Laboratory Control Sample Results:

The solid LCS results for aluminum were outside quality control limits for the soil matrix. The positive result for aluminum was qualified as estimated, "J".

No other problems were noted.

KIRTLAND AIR FORCE BASE
CASE NO. KRT2B, SDG NO. 208
TABLE 1 - RECOMMENDATION SUMMARY

Aluminum	J[1,4]	Magnesium	
Antimony		Manganese	
Arsenic		Mercury	
Barium	J[2]	Molybdenum	
Beryllium		Nickel	
Cadmium		Potassium	J[2]
Calcium	J[1]	Selenium	J[1]
Chromium		Silver	
Copper	J[3]	Sodium	J[1]
Cobalt		Thallium	
Iron		Vanadium	
Lead		Zinc	

If the field is left blank, the qualifier is A, accept all data.

J[1] - Estimate "J", positive results or, "UJ", nondetects because negative concentrations were reported in the laboratory method blanks. Sample results are estimated due to poor instrument performance.

J[2] - Estimate "J", positive results because of high MS/MSD recovery.

J[3] - Estimate "J", positive results because of low MS/MSD recovery.

J[4] - Estimate "J", positive result because of high solid LCS results.

Brown & Root Environmental **INTERNAL MEMORANDUM**

TO: Karin Crandall DATE: August 24, 1994

FROM: Bernard J. Kuhn COPIES: File 2A56

SUBJECT: INORGANIC DATA VALIDATION
KIRTLAND AIR FORCE BASE, RFI DATA
CASE NO. KRT2B, SDG NO. ST210S

SAMPLES: Soil: ST-210-07-5254

Enseco analyzed 6 soil samples and 1 water sample (equipment blank) for Target Analyte List (TAL) metals by Inductively Coupled Plasma (ICP) method and for mercury by Cold Vapor method. This memorandum only addresses the evaluation of the one soil sample listed above since only ten percent of all data will be reviewed.

Data for these analyses were reviewed with reference to the EPA "Functional Guidelines for Inorganic Data Validation", the "Brooks Air Force Base IRP Handbook," and the Stage 2B Sampling and Analysis Plan, January 1993. The data were evaluated according to the following parameters:

- Data completeness
- Holding Times
- Calibrations
- * Blanks
- Matrix Spike Recoveries
- Laboratory Duplicates
- Laboratory Control Sample Results
- Detection Limit Results
- Sample Results

The symbol (*) indicates that quality control criteria were not met for this parameter. Analysis of CRDL standards and ICP Serial dilutions are not contractually required, consequently, the sample data were not evaluated for these parameters. Also, the ICP ICS was not analyzed by the laboratory, therefore the data was not reviewed for this parameter. Additionally, field duplicate results were not evaluated since the field duplicate pair was not reviewed during validation of this data package. Problems affecting data usability are addressed below, and the attached Table 1 summarizes the data validation qualifications.

zBlanks

No contaminants were detected in the laboratory method blanks. Field quality control blank analyses yielded the following contaminants at the maximum concentrations indicated:

Contaminant	Maximum Concentration	Action Level for soil samples (mg/kg)
Barium	0.0019 mg/l	1.9
Calcium	0.34 mg/l	340
Copper	0.07 mg/l	70
Iron	0.051 mg/l	51
Lead	0.057 mg/l	57
Sodium	0.44 mg/l	440
Zinc	0.1 mg/l	100

Action levels of 5X these concentrations were used to evaluate the sample data. Sample weight, moisture content and dilution factors were taken into consideration prior to the application of all action levels. Positive results for lead and sodium less than the action levels were qualified as undetected, "U". No actions were taken for the remaining analytes since all sample concentrations of these analytes were nondetects or greater than the action levels.

No other problems were noted.

KIRTLAND AIR FORCE BASE
CASE NO. KRT2B, SDG NO. ST210S
TABLE 1 - RECOMMENDATION SUMMARY

Aluminum		Magnesium	
Antimony		Manganese	
Arsenic		Mercury	
Barium		Molybdenum	
Beryllium		Nickel	
Cadmium		Potassium	
Calcium		Selenium	
Chromium		Silver	
Copper		Sodium	A[1]
Cobalt		Thallium	
Iron		Vanadium	
Lead	A[1]	Zinc	

If the field is left blank, the qualifier is A, accept all data.

A[1] - Accept data, but change positive result (where appropriate) to a revised detection limit because of blank contamination.

Brown & Root Environmental **INTERNAL MEMORANDUM**

TO: Karin Crandall **DATE:** August 24, 1994

FROM: Bernard J. Kuhn **COPIES:** File 2A56

SUBJECT: **INORGANIC DATA VALIDATION**
KIRTLAND AIR FORCE BASE, RFI DATA
CASE NO. KRT2B, SDG NO. ST210D

SAMPLES: Soil: ST-210-99-140

Ceimic Corporation analyzed 5 soil samples and 1 water sample (equipment blank) for Target Analyte List (TAL) metals by Inductively Coupled Plasma (ICP) method and for mercury by Cold Vapor method. This memorandum only addresses the evaluation of the one soil sample listed above since only ten percent of all data will be reviewed.

Data for these analyses were reviewed with reference to the EPA "Functional Guidelines for Inorganic Data Validation", the "Brooks Air Force Base IRP Handbook," and the Stage 2B Sampling and Analysis Plan, January 1993. The data were evaluated according to the following parameters:

- Data completeness
- Holding Times
- Calibrations
- * Blanks
- ICP Interference Check Results
- * Matrix Spike Recoveries
- * Laboratory Duplicates
- Laboratory Control Sample Results
- Detection Limit Results
- Sample Results

The symbol (*) indicates that quality control criteria were not met for this parameter. Analysis of CRDL standards and ICP Serial dilutions are not contractually required, consequently, the sample data were not evaluated for these parameters. Additionally, field duplicate results were not evaluated since the field duplicate pair was not reviewed during validation of this data package. Problems affecting data usability are addressed below, and the attached Table 1 summarizes the data validation qualifications.

Blanks

Laboratory method and field quality control blank analyses yielded the following contaminants at the maximum concentrations indicated:

Contaminant	Maximum Concentration	Action Level* for soil samples (mg/kg)
Aluminum	11.248 mg/kg	56.24
Antimony[1]	52.8 ug/l	52.8
Cadmium	0.972 mg/kg	4.86
Calcium	173 ug/l	173
Cobalt	6.2 ug/l	6.2
Copper[2]	8.1 ug/l	8.1
Iron[1]	51.7 ug/l	51.7
Lead	0.371 mg/kg	1.86
Magnesium	89.65 ug/l	89.65
Nickel[1,2]	8.4 ug/l	8.4
Potassium[1]	87.77 ug/l	87.77
Sodium	247 ug/l	247
Silver[1]	5.4 ug/l	5.4
Manganese	3.5 ug/l	3.5
Zinc	7.27 ug/l	7.27

* A 1 g to 100 ml sample digestion was employed for these soil samples.

[1] - A negative concentration was noted for this analyte.
[2] - Maximum concentration of contaminant found in field quality control blank.

Action levels of 5X these concentrations were used to evaluate the sample data. Sample weight, moisture content and dilution factors were taken into consideration prior to the application of all action levels. Positive results for cadmium, cobalt, nickel, sodium, and copper less than the action levels were qualified as undetected, "U". No actions were taken for the remaining analytes since all sample concentrations of these analytes were nondetects or greater than the action levels.

Negative concentrations were reported for antimony, chromium, potassium, iron, silver and nickel in various laboratory method blanks. These occurrences are an indication of poor instrument performance (base-line fluctuations). Positive results and nondetects for these analytes are qualified as estimated, "J" and "UJ", respectively.

Matrix Spike (MS) Results:

The soil MS Percent Recoveries (%Rs) for antimony and silver were below the lower (75%) quality control criteria. Nondetects for antimony and silver were qualified as estimated, "UJ" in the validated sample.

The Soil MS %Rs for copper and zinc exceeded the upper (125%) quality control criteria. Positive results for zinc were qualified as estimated, "J" in the validated sample. No actions were taken for copper since the positive result was qualified due to blank contamination.

Laboratory Duplicates:

The Relative Percent Difference (RPD) for the laboratory duplicate result for zinc and copper were greater than 35%. Positive results for zinc were qualified as estimated "J" in the validated sample. No actions were taken for copper since the positive result was qualified due to blank contamination.

No other problems were noted.

KIRTLAND AIR FORCE BASE
CASE NO. KRT2B, SDG NO. ST210D
TABLE 1 - RECOMMENDATION SUMMARY

Aluminum			Magnesium		
Antimony		$J^{1,4}$	Manganese		
Arsenic			Mercury		
Barium			Molybdenum		
Beryllium			Nickel	A^1	
Cadmium	A^1		Potassium		J^1
Calcium			Selenium		
Chromium		J^1	Silver		$J^{1,4}$
Copper	A^1		Sodium	A^1	
Cobalt	A^1		Thallium		
Iron		J^1	Vanadium		
Lead			Zinc		$J^{2,3}$

If the field is left blank, the qualifier is A, accept all data.

A^1 - Accept data, but change positive result (where appropriate) to a revised detection limit because of blank contamination.

J^1 - Estimate "J", positive result or, "UJ", nondetects because negative concentrations were reported in the laboratory method blanks. Sample results are estimated due to poor instrument performance.

J^2 - Estimate "J", positive result because of high MS recovery.

J^3 - Estimate "J", positive result because of laboratory duplicate imprecision.

J^4 - Estimate "UJ", nondetect because of low MS recovery.

Brown & Root Environmental **INTERNAL MEMORANDUM**

TO: Karin Crandall **DATE:** August 16, 1994

FROM: Cheryle C. Lu **COPIES:** File 2A56

SUBJECT: **INORGANIC DATA VALIDATION**
KIRTLAND AIR FORCE BASE, RFI DATA
CASE NO. KRT2B, SDG NO. ST211

SAMPLES: Soil: ST-211-99-0711

HALLIBURTON NUS Laboratories analyzed 13 soil samples and 2 water sample (equipment blank) for Target Analyte List (TAL) metals and Molybdenum by Inductively Coupled Plasma (ICP) method and for mercury by Cold Vapor method. This memorandum only addresses the evaluation of the one soil sample listed above since only ten percent of all data will be reviewed.

Data for these analyses were reviewed with reference to the EPA "Functional Guidelines for Inorganic Data Validation", the "Brooks Air Force Base IRP Handbook," and the Stage 2B Sampling and Analysis Plan, January 1993. The data were evaluated according to the following parameters:

- Data completeness
- Holding Times
- * Calibrations
- * Blanks
- * ICP Interference Check Results
- Matrix Spike Recoveries
- Laboratory Duplicates
- * Field Duplicates
- * Laboratory Control Sample Results
- Detection Limit Results
- Sample Results

The symbol (*) indicates that quality control criteria were not met for this parameter. Analysis of CRDL standards and ICP Serial dilutions are not contractually required, consequently, the sample data were not evaluated for these parameters. Problems affecting data usability are addressed below, and the attached Table 1 summarizes the data validation qualifications.

Calibrations

Continuing Calibration Verification (CCV) Percent Recoveries (%Rs) for potassium and sodium were below the lower (90%) quality control limit. Positive results for these analytes in the validated sample were qualified as estimated, "J".

Blanks

Laboratory method and field quality control blank analyses yielded the following contaminants at the maximum concentrations indicated:

Contaminant	Maximum Concentration	Action Level* for soil samples (mg/kg)
Calcium	40 ug/l	20
Chromium	1.6 mg/kg	8.0
Copper[2]	11 ug/l	5.5
Iron	11 ug/l	5.5
Sodium[1]	72 ug/l	36
Vanadium	6 ug/l	3.0
Zinc[2]	8 ug/l	4.0

* A 1 g to 100 ml sample digestion was employed for these soil samples.

[1] - A negative concentration was noted for this analyte.
[2] - Maximum concentration of contaminant found in field quality control blank.

Action levels of 5X these concentrations were used to evaluate the sample data. Sample weight, moisture content and dilution factors were taken into consideration prior to the application of all action levels. No actions were taken since all sample concentrations of these analytes were nondetects or greater than the action levels.

Negative concentrations were reported for aluminum, cobalt, lead and sodium in various laboratory method blanks. These occurrences are an indication of poor instrument performance (base-line fluctuations). Positive results for these analytes are qualified as estimated, "J".

Interference Check Sample Results:

The interfering analytes iron and calcium were present in one sample at concentrations which exceeded 50% of the respective concentration in the ICP solution for these analytes. Additionally, arsenic, sodium, copper, manganese, molybdenum and zinc which

were not supposed to be present in the ICS solution were detected in this solution at levels which exceeded two times (2X) the IDL. In addition, elevated positive results may exist for the other compounds as a results of interference stemming from high iron and calcium concentrations. The positive results for sodium and zinc in the affected sample were qualified as estimated, "J". None of the other analytes were affected by interferences stemming from high iron and calcium concentrations.

Furthermore, nondetected results for arsenic and molybdenum in the affected sample have been rejected, "R", as a result of suppression due to the high iron and calcium concentrations.

Laboratory Control Sample Results:

The solid LCS results for aluminum were outside quality control limits for the soil matrix. The positive result for aluminum was qualified as estimated, "J".

Field Duplicates:

The Relative Percent Difference (RPD) for the field duplicate result for barium, calcium and copper were greater than 50% for the soil sample pair. Positive results for barium, calcium and copper were qualified as estimated "J".

No other problems were noted.

KIRTLAND AIR FORCE BASE
CASE NO. KRT2B, SDG NO. ST211
TABLE 1 - RECOMMENDATION SUMMARY

Aluminum	$J^{1,3}$		Magnesium		
Antimony			Manganese		
Arsenic		R^1	Mercury		
Barium	J^2		Molybdenum		R^1
Beryllium			Nickel		
Cadmium			Potassium	J^5	
Calcium	J^2		Selenium		
Chromium			Silver		
Copper	J^2		Sodium	$J^{1,4,5}$	
Cobalt	J^1		Thallium		
Iron			Vanadium		
Lead	J^1		Zinc	J^4	

If the field is left blank, the qualifier is A, accept all data.

J^1 - Estimate "J", positive results or, "UJ", nondetects because negative concentrations were reported in the laboratory method blanks. Sample results are estimated due to poor instrument performance.

J^2 - Estimate "J", positive results in the affected soil sample due to field duplicate imprecision.

J^3 - Estimate "J", positive result because of high solid LCS results.

J^4 - Estimate "J", positive results due to ICP ICS interference as a result of high iron and calcium concentrations.

J^5 - Estimate "J" positive results due to low Continuing Calibration recovery.

R^1 - Reject, "R",nondetects as a result of suppression due to high iron and calcium concentrations.

Brown & Root Environmental **INTERNAL MEMORANDUM**

TO: Karin Crandall **DATE:** August 16, 1994

FROM: Cheryle C. Lu **COPIES:** File 2A56

SUBJECT: **INORGANIC DATA VALIDATION**
KIRTLAND AIR FORCE BASE, RFI DATA
CASE NO. KRT2B, SDG NO. ST214

SAMPLES: Soil: ST-214-03-2022

HALLIBURTON NUS Laboratories analyzed 10 soil samples and 2 water samples (equipment blank) for Target Analyte List (TAL) metals and Molybdenum by Inductively Coupled Plasma (ICP) method and for mercury by Cold Vapor method. This memorandum only addresses the evaluation of the one soil samples listed above since only ten percent of all data will be reviewed.

Data for these analyses were reviewed with reference to the EPA "Functional Guidelines for Inorganic Data Validation", the "Brooks Air Force Base IRP Handbook," and the Stage 2B Sampling and Analysis Plan, January 1993. The data were evaluated according to the following parameters:

- Data completeness
- Holding Times
- Calibrations
- * Blanks
- * ICP Interference Check Results
- * Matrix Spike Recoveries
- Laboratory Duplicates
- * Laboratory Control Sample Results
- Detection Limit Results
- Sample Results

The symbol (*) indicates that quality control criteria were not met for this parameter. Analysis of CRDL standards and ICP Serial dilutions are not contractually required, consequently, the sample data were not evaluated for these parameters. Additionally, field duplicate results were not evaluated since the field duplicate pair was not reviewed during validation of this data package. Problems affecting data usability are addressed below, and the attached Table 1 summarizes the data validation qualifications.

Blanks

Laboratory method and field quality control blank analyses yielded the following contaminants at the maximum concentrations indicated:

Contaminant	Maximum Concentration		Action Level* for soil samples (mg/kg)
Aluminum[1,2]	77	ug/l	38.5
Calcium	40	ug/l	20
Cobalt	10	ug/l	5.0
Copper[1,2]	13	ug/l	6.5
Iron[2]	97	ug/l	48.5
Magnesium[2]	304	ug/l	152
Manganese[2]	3	ug/l	1.5
Sodium[1]	226	ug/l	113
Silver[1]	3	ug/l	1.5
Zinc[2]	9	ug/l	4.5

* A 1 g to 100 ml sample digestion was employed for these soil samples.

[1] - A negative concentration was noted for this analyte.
[2] - Maximum concentration of contaminant found in field quality control blank.

Action levels of 5X these concentrations were used to evaluate the sample data. Sample weight, moisture content and dilution factors were taken into consideration prior to the application of all action levels. No actions were taken since all sample concentrations of the these analytes were nondetects or greater than the action levels.

Negative concentrations were reported for aluminum, sodium, selenium, chromium, copper, silver and vanadium in various laboratory method blanks. These occurrences are an indication of poor instrument performance (base-line fluctuations). Positive results and nondetects for these analytes are qualified as estimated, "J" and "UJ", respectively.

Interference Check Sample Results:

The interfering analytes iron and calcium were present in the validated sample at concentrations which exceeded 50% of the respective concentration in the ICP

solution for these analytes. Additionally, arsenic, sodium, barium, copper, cadmium, manganese, and molybdenum which were not supposed to be present in the ICS solution were detected in this solution at levels which exceeded two times (2X) the IDL. In addition, elevated positive results may exist for the other compounds as a results of interference stemming from high iron and calcium concentrations. Positive results for cadmium and sodium in the affected sample was qualified as estimated, "J". None of the other analytes were affected by influences stemming from high iron and calcium concentrations.

Furthermore, nondetected results for arsenic and molybdenum in the affected sample have been rejected, "R", as a result of suppression due to the high iron and calcium concentrations.

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Results:

The soil Matrix Spike/Matrix Spike Duplicate (MS/MSD) Percent Recoveries (%Rs) for copper and potassium were below quality control criteria. Positive results for copper and potassium in the soil matrix were qualified as estimated "J".

Laboratory Control Sample Results:

The solid LCS results for aluminum were outside quality control limits for the soil matrix. The positive result for aluminum was qualified as estimated, "J".

No other problems were noted.

KIRTLAND AIR FORCE BASE
CASE NO. KRT2B, SDG NO. ST214
TABLE 1 - RECOMMENDATION SUMMARY

Aluminum	$J^{1,3}$		Magnesium		
Antimony			Manganese		
Arsenic		R^1	Mercury		
Barium			Molybdenum		R^1
Beryllium			Nickel		
Cadmium	$J^{4,5}$		Potassium	J^2	
Calcium			Selenium	J^1	
Chromium	J^1		Silver	J^1	
Copper	$J^{1,2}$		Sodium	$J^{1,4}$	
Cobalt			Thallium		
Iron			Vanadium	J^1	
Lead			Zinc		

If the field is left blank, the qualifier is A, accept all data.

J^1 - Estimate "J", positive results or, "UJ", nondetects because negative concentrations were reported in the laboratory method blanks. Sample results are estimated due to poor instrument performance.

J^2 - Estimate "J", positive results as a result of low MS/MSD recovery.

J^3 - Estimate "J", positive result because of high solid LCS results.

J^4 - Estimate "J", positive results due to ICP ICS interference as a result of high calcium concentrations.

J^5 - Estimate "J", positive results due to ICP ICS interference as a result of high iron concentration.

R^1 - Reject, "R", nondetects as a result of suppression due to high iron concentrations.

Brown & Root Environmental **INTERNAL MEMORANDUM**

TO: Karin Crandall **DATE:** August 16, 1994

FROM: Cheryle C. Lu **COPIES:** File 2A56

SUBJECT: **INORGANIC DATA VALIDATION**
KIRTLAND AIR FORCE BASE, RFI DATA
CASE NO. KRT2B, SDG NO. ST215

SAMPLES: Soil: ST-215-02-0813, ST-215-03-2630, ST-215-04-1015.

HALLIBURTON NUS Laboratories analyzed 12 soil samples and 2 water sample (equipment blank) for Target Analyte List (TAL) metals and Molybdenum by Inductively Coupled Plasma (ICP) method and for mercury by Cold Vapor method. This memorandum only addresses the evaluation of the three soil samples listed above since only ten percent of all data will be reviewed.

Data for these analyses were reviewed with reference to the EPA "Functional Guidelines for Inorganic Data Validation", the "Brooks Air Force Base IRP Handbook," and the Stage 2B Sampling and Analysis Plan, January 1993. The data were evaluated according to the following parameters:

- Data completeness
- Holding Times
- Calibrations
- * Blanks
- * ICP Interference Check Results
- Matrix Spike Recoveries
- Laboratory Duplicates
- * Laboratory Control Sample Results
- Detection Limit Results
- Sample Results

The symbol (*) indicates that quality control criteria were not met for this parameter. Analysis of CRDL standards and ICP Serial dilutions are not contractually required, consequently, the sample data were not evaluated for these parameters. Additionally, field duplicate results were not evaluated since the field duplicate pair was not reviewed during validation of this data package. Problems affecting data usability are addressed below, and the attached Table 1 summarizes the data validation qualifications.

Blanks

Laboratory method and field quality control blank analyses yielded the following contaminants at the maximum concentrations indicated:

Contaminant	Maximum Concentration	Action Level* for soil samples (mg/kg)
Aluminum [1,2]	70 ug/l	35
Barium [2]	2 ug/l	1
Calcium	40 ug/l	20
Cobalt	10 ug/l	5
Chromium	1.6 mg/kg	8
Copper [1]	2 ug/l	1
Iron [2]	97 ug/l	48.5
Magnesium [2]	237 ug/l	118.5
Sodium [1]	223 ug/l	111.5
Zinc [2]	20 ug/l	10

* A 1 g to 100 ml sample digestion was employed for these soil samples.

[1] - A negative concentration was noted for this analyte.
[2] - Maximum concentration of contaminant found in field quality control blank.

Action levels of 5X these concentrations were used to evaluate the sample data. Sample weight, moisture content and dilution factors were taken into consideration prior to the application of all action levels. Positive results for chromium and cobalt less than the action level were qualified as undetected, "U". No actions were taken for the remaining analytes since all sample concentrations of these analytes were nondetects or greater than the action levels.

Negative concentrations were reported for aluminum, copper, silver, sodium and vanadium in various laboratory method blanks. These occurrences are an indication of poor instrument performance (base-line fluctuations). Positive results (not affected by the previously discussed action levels) and nondetects for these analytes are qualified as estimated, "J" and "UJ", respectively.

Interference Check Sample Results:

The interfering analytes iron and calcium were present in two samples at concentrations which exceeded 50% of the respective concentration in the ICP solution for these analytes. Additionally, sodium, barium, cadmium, copper, manganese, molybdenum, and zinc which were not supposed to be present in the ICS solution were detected in this solution at levels which exceeded two times (2X) the IDL. In addition, elevated positive results may exist for the other compounds as a results of interference stemming from high iron and calcium concentrations. Positive results for cadmium, and zinc in the affected samples were qualified as estimated, "J". None of the other analytes were affected by interferences stemming from high iron and calcium concentrations.

Furthermore, nondetected results for molybdenum in the affected samples have been rejected, "R", as a result of suppression due to high iron and calcium concentrations.

Laboratory Control Sample Results:

The solid LCS results for aluminum were outside quality control limits for the soil matrix. Positive results for aluminum were qualified as estimated, "J".

No other problems were noted.

KIRTLAND AIR FORCE BASE
CASE NO. KRT2B, SDG NO. ST215
TABLE 1 - RECOMMENDATION SUMMARY

Aluminum		$J^{1,2}$	Magnesium		
Antimony			Manganese		
Arsenic			Mercury		
Barium			Molybdenum		R^1
Beryllium			Nickel		
Cadmium		J^3	Potassium		
Calcium			Selenium		
Chromium	A^1		Silver	J^1	
Copper		J^1	Sodium	J^1	
Cobalt	A^1		Thallium		
Iron			Vanadium	J^1	
Lead			Zinc	J^3	

If the field is left blank, the qualifier is A, accept all data.

A^1 - Accept data, but change positive result (where appropriate) to a revised detection limit because of blank contamination.

J^1 - Estimate "J", positive results or, "UJ", nondetects because negative concentrations were reported in the laboratory method blanks. Sample results are estimated due to poor instrument performance.

J^2 - Estimate "J", positive result because of high solid LCS results.

J^3 - Estimate "J", positive results due to ICP ICS interference because of high iron and calcium concentrations.

R^1 - Reject, "R",nondetects as a result of suppression due to high iron and calcium concentrations.

Brown & Root Environmental **INTERNAL MEMORANDUM**

TO: Karin Crandall **DATE:** August 16, 1994

FROM: Cheryle C. Lu **COPIES:** File 2A56

SUBJECT: **INORGANIC DATA VALIDATION**
KIRTLAND AIR FORCE BASE, RFI DATA
CASE NO. KRT2B, SDG NO. ST218

SAMPLES: Soil: ST-218-01-0709.

HALLIBURTON NUS Laboratories analyzed 7 soil samples and 1 water sample (equipment blank) for Target Analyte List (TAL) metals and Molybdenum by Inductively Coupled Plasma (ICP) method and for mercury by Cold Vapor method. This memorandum only addresses the evaluation of the one soil sample listed above since only ten percent of all data will be reviewed.

Data for these analyses were reviewed with reference to the EPA "Functional Guidelines for Inorganic Data Validation", the "Brooks Air Force Base IRP Handbook," and the Stage 2B Sampling and Analysis Plan, January 1993. The data were evaluated according to the following parameters:

- Data completeness
- Holding Times
- Calibrations
- * Blanks
- * ICP Interference Check Results
- Laboratory Duplicates
- Laboratory Control Sample Results
- Detection Limit Results
- Sample Results

The symbol (*) indicates that quality control criteria were not met for this parameter. Analysis of CRDL standards and ICP Serial dilutions are not contractually required, consequently, the sample data were not evaluated for these parameters. Additionally, field duplicate results were not evaluated since the field duplicate pair was not reviewed during validation of this data package. Furthermore, no matrix spike sample was designated within this sample group, therefore the data was not reviewed for this parameter. Problems affecting data usability are addressed below, and the attached Table 1 summarizes the data validation qualifications.

Blanks

Laboratory method and field quality control blank analyses yielded the following contaminants at the maximum concentrations indicated:

Contaminant	Maximum Concentration	Action Level* for soil samples
		(mg/kg)
Calcium[1]	161 ug/l	80.5
Copper[1,2]	19 ug/l	9.5
Iron[1]	33 ug/lg	16.5
Sodium[2]	34 ug/l	17
Vanadium	4 ug/l	2.0
Zinc[2]	15 ug/l	7.5

* A 1 g to 100 ml sample digestion was employed for these soil samples.

[1] - A negative concentration was noted for this analyte.
[2] - Maximum concentration of contaminant found in field quality control blank.

Action levels of 5X these concentrations were used to evaluate the sample data. Sample weight, moisture content and dilution factors were taken into consideration prior to the application of all action levels. No actions were taken since all sample concentrations of these analytes were nondetects or greater than the action levels.

Negative concentrations were reported for calcium, chromium, copper, iron, silver and cadmium in various laboratory method blanks. These occurrences are an indication of poor instrument performance (base-line fluctuations). Positive results and nondetects for these analytes are qualified as estimated, "J" and "UJ", respectively.

Interference Check Sample Results:

The interfering analytes iron and calcium were present in one sample at concentration which exceeded 50% of the respective concentrations in the ICP solution for these analytes. Additionally, arsenic, sodium, copper, manganese, molybdenum, and zinc which were not supposed to be present in the ICS solution were detected in this solution at levels which exceeded two times (2X) the IDL. In addition, elevated positive results may exist for the other compounds as a results of interference stemming from high iron and calcium concentrations. The positive results for arsenic, copper, and zinc in the affected sample were qualified as estimated, "J". None of the

other analytes were affected by interferences stemming from high iron and calcium concentrations.

Furthermore, nondetect for molybdenum in the affected sample was rejected, "R", as a result of suppression due to the high iron and calcium concentration.

No other problems were noted.

KIRTLAND AIR FORCE BASE
CASE NO. KRT2B, SDG NO. ST218
TABLE 1 - RECOMMENDATION SUMMARY

Aluminum		Magnesium		
Antimony		Manganese		
Arsenic	$J^{2,3}$	Mercury		
Barium		Molybdenum		R^1
Beryllium		Nickel		
Cadmium	J^1	Potassium		
Calcium	J^1	Selenium		
Chromium	J^1	Silver	J^1	
Copper	$J^{1,3}$	Sodium		
Cobalt		Thallium		
Iron	J^1	Vanadium		
Lead		Zinc	$J^{2,3}$	

If the field is left blank, the qualifier is A, accept all data.

J^1 - Estimate "J", positive results or, "UJ", nondetects because negative concentrations were reported in the laboratory method blanks. Sample results are estimated due to poor instrument performance.

J^2 - Estimate "J", positive results due to ICP ICS interference as a result of high iron concentrations.

J^3 - Estimate "J", positive results due to ICP ICS interference as result of high calcium concentration.

R^1 - Reject, "R",nondetects as a result of suppression due to high iron and calcium concentrations.

Brown & Root Environmental **INTERNAL MEMORANDUM**

TO: Karin Crandall **DATE:** August 16, 1994

FROM: Cheryle C. Lu **COPIES:** File 2A56

SUBJECT: **INORGANIC DATA VALIDATION**
KIRTLAND AIR FORCE BASE, RFI DATA
CASE NO. KRT2B, SDG NO. ST219

SAMPLES: Soil: ST-219-02-0711, ST-219-03-1216, ST-219-04-2224

HALLIBURTON NUS Laboratories analyzed 16 soil samples and 2 water samples (equipment blank) for Target Analyte List (TAL) metals and Molybdenum by Inductively Coupled Plasma (ICP) method and for mercury by Cold Vapor method. This memorandum only addresses the evaluation of the three soil samples listed above since only ten percent of all data will be reviewed.

Data for these analyses were reviewed with reference to the EPA "Functional Guidelines for Inorganic Data Validation", the "Brooks Air Force Base IRP Handbook," and the Stage 2B Sampling and Analysis Plan, January 1993. The data were evaluated according to the following parameters:

- Data completeness
- Holding Times
- Calibrations
- * Blanks
- * ICP Interference Check Results
- * Matrix Spike Recoveries
- Laboratory Duplicates
- * Field Duplicates
- * Laboratory Control Sample Results
- Detection Limit Results
- Sample Results

The symbol (*) indicates that quality control criteria were not met for this parameter. Analysis of CRDL standards and ICP Serial dilutions are not contractually required, consequently, the sample data were not evaluated for these parameters. Problems affecting data usability are addressed below, and the attached Table 1 summarizes the data validation qualifications.

Blanks

Laboratory method and field quality control blank analyses yielded the following contaminants at the maximum concentrations indicated:

Contaminant	Maximum Concentration	Action Level* for soil samples (mg/kg)
Aluminum[2]	38 ug/l	19
Calcium[1]	24 ug/l	12
Chromium	17 ug/l	8.5
Copper[1,2]	51 ug/l	25.5
Iron[1]	13 ug/l	6.5
Magnesium[2]	97 ug/l	48.5
Sodium	5.9 mg/kg	29.5
Zinc[2]	88 ug/l	44

* A 1 g to 100 ml sample digestion was employed for these soil samples.

[1] - A negative concentration was noted for this analyte.
[2] - Maximum concentration of contaminant found in field quality control blank.

Action levels of 5X these concentrations were used to evaluate the sample data. Sample weight, moisture content and dilution factors were taken into consideration prior to the application of all action levels. The positive result for zinc less than the action level was qualified as undetected, "U". No actions were taken for the remaining analytes since all sample concentrations of these analytes were nondetects or greater than the action levels.

Negative concentrations were reported for calcium, cobalt, copper, iron, selenium and vanadium in various laboratory method blanks. These occurrences are an indication of poor instrument performance (base-line fluctuations). Positive results and nondetects for these analytes are qualified as estimated, "J" and "UJ", respectively in the validated samples.

Interference Check Sample Results:

The interfering analytes iron and/or calcium were present in the validated samples at concentrations which exceeded 50% of the respective concentrations in the ICP solution for these analytes. Additionally, arsenic, sodium, barium, copper,

manganese, vanadium, molybdenum and zinc which were not supposed to be present in the ICS solution were detected in this solution at levels which exceeded two times (2X) the IDL. In addition, elevated positive results may exist for the other compounds as a results of interference stemming from high iron and calcium concentrations. The positive results for sodium and zinc in the affected samples was qualified as estimated, "J". No action was necessary for zinc in one sample since this result in the affected sample was qualified due to blank contamination. None of the other analytes were affected by interferences stemming from high iron and/or calcium concentrations.

Furthermore, nondetected results for arsenic and molybdenum in the affected sample have been rejected, "R", as a result of suppression due to the high iron and/or calcium concentration.

Matrix Spike (MS) Results:

The soil Matrix Spike (MS) Percent Recoveries (%Rs) for potassium exceeded the upper quality control criteria. The positive results for potassium of the soil matrix was qualified as estimated, "J", in the validated samples.

Laboratory Control Sample Results:

The solid LCS results for aluminum were outside quality control limits for the soil matrix. The positive results for aluminum were qualified as estimated, "J", in the validated samples.

Field Duplicates:

The field duplicate Relative Percent Difference (RPD) for barium, calcium, and cobalt were greater than 50% for the soil sample pair. Positive results for barium, calcium and cobalt were qualified as estimated, "J", in the field duplicate pair.

No other problems were noted.

KIRTLAND AIR FORCE BASE
CASE NO. KRT2B, SDG NO. ST219
TABLE 1 - RECOMMENDATION SUMMARY

Aluminum	J[4]		Magnesium		
Antimony			Manganese		
Arsenic		R[1]	Mercury		
Barium	J[3]		Molybdenum		R[1]
Beryllium			Nickel		
Cadmium			Potassium	J[2]	
Calcium	J[1,3]		Selenium	J[1]	
Chromium			Silver		
Copper	J[1]		Sodium	J[5]	
Cobalt	J[1,3]		Thallium		
Iron	J[1]		Vanadium	J[1]	
Lead			Zinc	A[1] J[5]	

If the field is left blank, the qualifier is A, accept all data.

A[1] - Accept data, but change positive result (where appropriate) to a revised detection limit because of blank contamination.

J[1] - Estimate "J", positive results because negative concentrations were reported in the laboratory method blanks. Sample results are estimated due to poor instrument performance.

J[2] - Estimate "J", positive results because of high MS recovery.

J[3] - Estimate "J" positive results in the affected soil sample due to field duplicate imprecision.

J[4] - Estimate "J", positive result because of high solid LCS results.

J[5] - Estimate "J", positive results due to ICP ICS interference as a result of high iron and/or calcium concentrations.

R[1] - Reject, "R",nondetects as a result of suppression due to high iron and/or calcium concentrations.

Brown & Root Environmental **INTERNAL MEMORANDUM**

TO: Karin Crandall **DATE:** August 24, 1994

FROM: Bernard J. Kuhn **COPIES:** File 2A56

SUBJECT: **INORGANIC DATA VALIDATION**
KIRTLAND AIR FORCE BASE, RFI DATA
CASE NO. KRT2B, SDG NO. ST219S

SAMPLES: Soil: ST-219-08-3032

Ceimic Corporation analyzed 14 soil samples and 2 water samples (equipment blank) for Target Analyte List (TAL) metals by Inductively Coupled Plasma (ICP) method and for mercury by Cold Vapor method. This memorandum only addresses the evaluation of the one soil sample listed above since only ten percent of all data will be reviewed.

Data for these analyses were reviewed with reference to the EPA "Functional Guidelines for Inorganic Data Validation", the "Brooks Air Force Base IRP Handbook," and the Stage 2B Sampling and Analysis Plan, January 1993. The data were evaluated according to the following parameters:

- Data completeness
- Holding Times
- Calibrations
- * Blanks
- * ICP Interference Check Results
- Laboratory Control Sample Results
- Detection Limit Results
- Sample Results

The symbol (*) indicates that quality control criteria were not met for this parameter. Analysis of CRDL standards and ICP Serial dilutions are not contractually required, consequently, the sample data were not evaluated for these parameters. Additionally, field duplicate results were not evaluated since the field duplicate pair was not reviewed during validation of this data package. Furthermore, no matrix spike and duplicate sample was designated with this data set therefore the data were not evaluated for these parameters. Problems affecting data usability are addressed below, and the attached Table 1 summarizes the data validation qualifications.

Blanks

Laboratory method and field quality control blank analyses yielded the following contaminants at the maximum concentrations indicated:

Contaminant	Maximum Concentration	Action Level for soil samples (mg/kg)
Aluminum	78.86 ug/l	78.86
Antimony	57.7 ug/l	57.7
Barium	9.2 ug/l	9.2
Cadmium	4.0 ug/l	4.0
Calcium	167.8 ug/l	167.8
Cobalt	5.2 ug/l	5.2
Iron[1,2]	186 ug/l	186
Lead	0.238 mg/kg	1.2
Magnesium	82.0 ug/l	82.0
Manganese[1]	2.3 ug/l	2.3
Nickel[1]	17.6 ug/l	17.6
Potassium[1]	132.3 ug/l	132
Silver	1.01 mg/kg	5.05
Thallium[2]	4.0 ug/l	4.0
Vanadium	3.4 ug/l	3.4
Zinc	2.634 ug/l	2.634

[1] - A negative concentration was noted for this analyte.
[2] - Maximum concentration of contaminant found in field quality control blank.

Action levels of 5X these concentrations were used to evaluate the sample data. Sample weight, moisture content and dilution factors were taken into consideration prior to the application of all action levels. The positive result for cadmium, cobalt, and nickel less than the action level was qualified as undetected, "U". No actions were taken for the remaining analytes since all sample concentrations of these analytes were nondetects or greater than the action levels.

Negative concentrations were reported for chromium, potassium, iron, nickel, and manganese in various laboratory method blanks. These occurrences are an indication of poor instrument performance (base-line fluctuations). Positive results (not affected by blank contamination) for these analytes are qualified as estimated, "J".

Interference Check Sample Results:

The interfering analytes iron and calcium were present in one sample at concentrations which exceeded 50% of the respective concentrations in the ICP solution for these analytes. Additionally, cadmium, chromium, lead nickel, potassium, and zinc which were not supposed to be present in the ICS solution were detected in this solution at levels which exceeded two times (2X) the IDL. In addition, elevated positive results may exist for the other compounds as a results of interference stemming from high iron and calcium concentrations. No action was necessary for cadmium since this result in the affected sample was qualified as a result of blank contamination. None of the other analytes were affected by interferences stemming from high iron and calcium concentrations.

No other problems were noted.

KIRTLAND AIR FORCE BASE
CASE NO. KRT2B, SDG NO. ST219S
TABLE 1 - RECOMMENDATION SUMMARY

Aluminum			Magnesium		
Antimony			Manganese		J^1
Arsenic			Mercury		
Barium			Molybdenum		
Beryllium			Nickel	A^1	
Cadmium	A^1		Potassium		J^1
Calcium			Selenium		
Chromium		J^1	Silver		
Copper			Sodium		
Cobalt	A^1		Thallium		
Iron		J^1	Vanadium		
Lead			Zinc		

If the field is left blank, the qualifier is A, accept all data.

A^1 - Accept data, but change positive result (where appropriate) to a revised detection limit because of blank contamination.

J^1 - Estimate "J", positive results because negative concentrations were reported in the laboratory method blanks. Sample results are estimated due to poor instrument performance.

Brown & Root Environmental **INTERNAL MEMORANDUM**

TO: Karin Crandall **DATE:** August 26, 1994

FROM: Bernard J. Kuhn **COPIES:** File 2A56

SUBJECT: **INORGANIC DATA VALIDATION**
KIRTLAND AIR FORCE BASE, RFI DATA
CASE NO. KRT2B, SDG NO. ST219T

SAMPLES: Soil: ST-219-11-7072

Ceimic Corporation analyzed 11 soil samples and 2 water samples (equipment blank) for Target Analyte List (TAL) metals by Inductively Coupled Plasma (ICP) method and for mercury by Cold Vapor method. This memorandum only addresses the evaluation of the one soil sample listed above since only ten percent of all data will be reviewed.

Data for these analyses were reviewed with reference to the EPA "Functional Guidelines for Inorganic Data Validation", the "Brooks Air Force Base IRP Handbook," and the Stage 2B Sampling and Analysis Plan, January 1993. The data were evaluated according to the following parameters:

- Data completeness
- Holding Times
- Calibrations
- * Blanks
- ICP Interference Check Results
- * Matrix Spike Recoveries
- * Laboratory Duplicates
- Laboratory Control Sample Results
- Detection Limit Results
- Sample Results

The symbol (*) indicates that quality control criteria were not met for this parameter. Analysis of CRDL standards and ICP Serial dilutions are not contractually required, consequently, the sample data were not evaluated for these parameters. Additionally, field duplicate results were not evaluated since the field duplicate pair was not reviewed during validation of this data package. Problems affecting data usability are addressed below, and the attached Table 1 summarizes the data validation qualifications.

Blanks

Laboratory method and field quality control blank analyses yielded the following contaminants at the maximum concentrations indicated:

Contaminant	Maximum Concentration	Action Level for soil samples (mg/kg)
Aluminum[2]	237 ug/l	237
Cadmium	4.8 ug/l	4.8
Calcium	94.93 ug/l	94.93
Chromium[2]	7.2 ug/l	7.2
Iron[2]	284 ug/l	284
Magnesium[2]	683 ug/l	683
Manganese	2.0 ug/l	2.0
Mercury	0.109 ug/l	0.109
Potassium[1,2]	86.5 ug/l	86.5
Sodium	136.23 ug/l	136.23
Zinc	8.34 ug/l	8.34

[1] - A negative concentration was noted for this analyte.
[2] - Maximum concentration of contaminant found in field quality control blank.

Action levels of 5X these concentrations were used to evaluate the sample data. Sample weight, moisture content and dilution factors were taken into consideration prior to the application of all action levels. The positive result for chromium less than the action level was qualified as undetected, "U". No actions were taken for the remaining analytes since all sample concentrations of these analytes were nondetects or greater than the action levels.

Negative concentrations were reported for antimony, nickel and potassium in various laboratory method blanks. These occurrences are an indication of poor instrument performance (base-line fluctuations). Positive results for potassium and nickel are qualified as estimated, "J". No actions were necessary for antimony since this result was rejected due to extremely low matrix spike recovery.

Laboratory Duplicates

Laboratory duplicate Relative Percent Difference (RPD) for copper was greater than

35%. The positive result for copper was qualified as estimated, "J", in the validated sample.

Matrix Spike (MS)

The soil Matrix Spike (MS) Percent Recovery (%R) for antimony was extremely low (<30%). The nondetect for antimony in the soil matrix was rejected, "R".

The soil MS %Rs for selenium, silver, and thallium were below the lower (75%) quality control limit, but > 30%. Nondetects for selenium, silver, and thallium were qualified as estimated, "UJ", in the valdiated sample.

No other problems were noted.

KIRTLAND AIR FORCE BASE
CASE NO. KRT2B, SDG NO. ST219T
TABLE 1 - RECOMMENDATION SUMMARY

Aluminum				Magnesium	
Antimony			R^1	Manganese	
Arsenic				Mercury	
Barium				Molybdenum	
Beryllium				Nickel	J^1
Cadmium				Potassium	J^1
Calcium				Selenium	J^2
Chromium	A^1			Silver	J^2
Copper		J^3		Sodium	A^1
Cobalt				Thallium	J^2
Iron				Vanadium	
Lead				Zinc	

If the field is left blank, the qualifier is A, accept all data.

A^1 - Accept data, but change positive result (where appropriate) to a revised detection limit because of blank contamination.

J^1 - Estimate, "J", positive results because negative concentrations were reported in the laboratory method blanks. Sample results are estimated due to poor instrument performance.

J^2 - Estimate, "UJ" nondetect as a result of low MS recoveries.

J^3 - Estimate, "J", positive results as a result of laboratory duplicate imprecision.

R^1 - Reject, "R", nondetect as a result of extremely low MS recovery.

Brown & Root Environmental **INTERNAL MEMORANDUM**

TO: Karin Crandall **DATE:** August 26, 1994

FROM: Bernard J. Kuhn **COPIES:** File 2A56

SUBJECT: **INORGANIC DATA VALIDATION**
KIRTLAND AIR FORCE BASE, RFI DATA
CASE NO. KRT2B, SDG NO. ST219Z

SAMPLES: Soil: ST-219-11-100102, ST-219-12-1012

Ceimic Corporation analyzed 9 soil samples and 3 water samples (equipment blank) for Target Analyte List (TAL) metals by Inductively Coupled Plasma (ICP) method and for mercury by Cold Vapor method. This memorandum only addresses the evaluation of the two soil sample listed above since only ten percent of all data will be reviewed.

Data for these analyses were reviewed with reference to the EPA "Functional Guidelines for Inorganic Data Validation", the "Brooks Air Force Base IRP Handbook," and the Stage 2B Sampling and Analysis Plan, January 1993. The data were evaluated according to the following parameters:

- Data completeness
- Holding Times
- Calibrations
- * Blanks
- * ICP Interference Check Results
- * Matrix Spike Recoveries
- Laboratory Duplicates
- Laboratory Control Sample Results
- Detection Limit Results
- Sample Results

The symbol (*) indicates that quality control criteria were not met for this parameter. Analysis of CRDL standards and ICP Serial dilutions are not contractually required, consequently, the sample data were not evaluated for these parameters. Additionally, field duplicate results were not evaluated since the field duplicate pair was not reviewed during validation of this data package. Problems affecting data usability are addressed below, and the attached Table 1 summarizes the data validation qualifications.

Blanks

Laboratory method and field quality control blank analyses yielded the following contaminants at the maximum concentrations indicated:

Contaminant	Maximum Concentration	Action Level for soil samples (mg/kg)
Aluminum[1]	85.3 ug/l	85.3
Antimony[1]	38.4 ug/l	38.4
Barium	8.8 ug/l	8.8
Calcium[1]	78.8 ug/l	78.8
Cobalt	4.6 ug/l	4.6
Copper[2]	9.6 ug/l	9.6
Iron[1]	20.74 ug/l	20.74
Lead	1.2 ug/l	1.2
Manganese	4.1 ug/l	4.1
Mercury	0.11 ug/l	0.11
Potassium[1]	141.7 ug/l	141.7
Sodium	94.35 ug/l	94.35
Zinc[1]	15.41 ug/l	15.41

[1] - A negative concentration was noted for this analyte.
[2] - Maximum concentration of contaminant found in field quality control blank.

Action levels of 5X these concentrations were used to evaluate the sample data. Sample weight, moisture content and dilution factors were taken into consideration prior to the application of all action levels. The positive result for antimony, sodium, and cobalt less than the action level was qualified as undetected, "U". No actions were taken for the remaining analytes since all sample concentrations of these analytes were nondetects or greater than the action levels.

Negative concentrations were reported for aluminum, antimony,iron, manganese, nickel, potassium, and zinc in various laboratory method blanks. These occurrences are an indication of poor instrument performance (base-line fluctuations). Positive results (not affected by blank contamination) and nondetects for these analtyes are qualified as estimated, "J" and "UJ", respectively.

Interference Check Sample Results:

The interfering analyte calcium was present in one sample at a concentration which exceeded 50% of the respective concentration in the ICP solution for this analyte. Additionally, cadmium, lead, potassium, manganese, and zinc which were not supposed to be present in the ICS solution were detected in this solution at levels which exceeded two times (2X) the IDL. In addition, elevated positive results may exist for the other compounds as a result of interference stemming from high calcium concentrations. The positive result for cadmium in the affected sample qualified as estimated, "J". None of the other analytes were affected by interferences stemming from high calcium concentrations.

Matrix Spike (MS)

The soil MS Percent Recoveries (%Rs) for antimony and silver were below the lower (75%) quality control limit. Nondetects for these analytes were qualified as estimated, "UJ", in the valdiated sample.

The soil MS %R for manganese exceeded the upper (125%) quality control limit. The positive result for manganese was qualified as estimated, "J", in the validated sample.

No other problems were noted.

KIRTLAND AIR FORCE BASE
CASE NO. KRT2B, SDG NO. ST219Z
TABLE 1 - RECOMMENDATION SUMMARY

Aluminum	J^1	Magnesium	J^1
Antimony A^1	$J^{1,4}$	Manganese	J^2
Arsenic		Mercury	
Barium		Molybdenum	
Beryllium		Nickel	J^1
Cadmium	J^3	Potassium	J^1
Calcium	J^1	Selenium	
Chromium		Silver	J^4
Copper		Sodium A^1	
Cobalt A^1		Thallium	
Iron	J^1	Vanadium	
Lead		Zinc	J^1

If the field is left blank, the qualifier is A, accept all data.

A^1 - Accept data, but change positive result (where appropriate) to a revised detection limit because of blank contamination.

J^1 - Estimate, "J", positive results or, "UJ", nondetects because negative concentrations were reported in the laboratory method blanks. Sample results are estimated due to poor instrument performance.

J^2 - Estimate, "UJ" nondetect as a result of high MS recovery.

J^3 - Estimate, "J", positive results due to ICP ICS interference as a result of high calcium concentrations.

J^4 - Estimate "UJ", nondetect as a result of low MS recovery.

Brown & Root Environmental **INTERNAL MEMORANDUM**

TO: Karin Crandall **DATE:** August 25, 1994

FROM: Bernard J. Kuhn **COPIES:** File 2A56

SUBJECT: **INORGANIC DATA VALIDATION**
KIRTLAND AIR FORCE BASE, RFI DATA
CASE NO. KRT2B, SDG NO. ST219Y

SAMPLES: Soil: ST-219-99-3034

Ceimic Corporation analyzed 4 soil samples for Target Analyte List (TAL) metals by Inductively Coupled Plasma (ICP) method and for mercury by Cold Vapor method. This memorandum only addresses the evaluation of the one soil sample listed above since only ten percent of all data will be reviewed.

Data for these analyses were reviewed with reference to the EPA "Functional Guidelines for Inorganic Data Validation", the "Brooks Air Force Base IRP Handbook," and the Stage 2B Sampling and Analysis Plan, January 1993. The data were evaluated according to the following parameters:

- Data completeness
- Holding Times
- Calibrations
- * Blanks
- * ICP Interference Check Results
- Laboratory Control Sample Results
- Detection Limit Results
- Sample Results

The symbol (*) indicates that quality control criteria were not met for this parameter. Analysis of CRDL standards and ICP Serial dilutions are not contractually required, consequently, the sample data were not evaluated for these parameters. Additionally, field duplicate results were not evaluated since the field duplicate pair was not reviewed during validation of this data package. Furthermore, no matrix spike and duplicate sample was designated with this data set therefore the data were not evaluated for these parameters. Problems affecting data usability are addressed below, and the attached Table 1 summarizes the data validation qualifications.

Blanks

Laboratory method and field quality control blank analyses yielded the following contaminants at the maximum concentrations indicated:

Contaminant	Maximum Concentration	Action Level for soil samples (mg/kg)
Aluminum	120.8 ug/l	120.8
Barium	31.6 ug/l	31.6
Calcium	150.9 ug/l	150.9
Cobalt	8.3 ug/l	8.3
Iron[1]	57.2 ug/l	57.2
Magnesium	139.2 ug/l	139.2
Manganese	8.6 ug/l	8.6
Nickel	8.6 ug/l	8.6
Lead	0.239 mg/kg	1.195
Potassium[1]	70.2 ug/l	70.2
Sodium	27.514 mg/kg	137.53
Vanadium	8.4 ug/l	8.4
Zinc	10.5 ug/l	10.5

[1] - A negative concentration was noted for this analyte.

Action levels of 5X these concentrations were used to evaluate the sample data. Sample weight, moisture content and dilution factors were taken into consideration prior to the application of all action levels. The positive result for cobalt less than the action level was qualified as undetected, "U". No actions were taken for the remaining analytes since all sample concentrations of these analytes were nondetects or greater than the action levels.

Negative concentrations were reported for antimony, iron, mercury, and potassium in various laboratory method blanks. These occurrences are an indication of poor instrument performance (base-line fluctuations). Positive results for these analytes are qualified as estimated, "J".

Interference Check Sample Results:

The interfering analytes iron and calcium were present in one sample at concentrations which exceeded 50% of the respective concentrations in the ICP solution for these analytes. Additionally, cadmium, chromium, manganese and potassum which were not supposed to be present in the ICS solution were detected in this solution at levels which exceeded two times (2X) the IDL. In addition, elevated positive results may exist for the other compounds as a results of interference stemming from high iron and calcium concentrations. The positive result for cadmium in the affected sample was qualified as estimated, "J". None of the other analytes were affected by interferences stemming from high iron and calcium concentrations.

No other problems were noted.

KIRTLAND AIR FORCE BASE
CASE NO. KRT2B, SDG NO. ST219Y
TABLE 1 - RECOMMENDATION SUMMARY

Aluminum		Magnesium	
Antimony	J^1	Manganese	
Arsenic		Mercury	J^1
Barium		Molybdenum	
Beryllium		Nickel	
Cadmium	J^2	Potassium	J^1
Calcium		Selenium	
Chromium		Silver	
Copper		Sodium	
Cobalt	A^1	Thallium	
Iron	J^1	Vanadium	
Lead		Zinc	

If the field is left blank, the qualifier is A, accept all data.

A^1 - Accept data, but change positive result (where appropriate) to a revised detection limit because of blank contamination.

J^1 - Estimate "J", positive results because negative concentrations were reported in the laboratory method blanks. Sample results are estimated due to poor instrument performance.

J^2 - Estimate, "J", positive results due to ICP ICS interference as a result of high iron and calcium concentrations.

Brown & Root Environmental **INTERNAL MEMORANDUM**

TO: Karin Crandall **DATE:** August 29, 1994

FROM: Bernard J. Kuhn **COPIES:** File 2A56

SUBJECT: **INORGANIC DATA VALIDATION**
KIRTLAND AIR FORCE BASE, RFI DATA
CASE NO. KRT2B, SDG NO. ST219U

SAMPLES: Soil: ST-219-99-4044

Ceimic Corporation analyzed 3 soil samples for Target Analyte List (TAL) metals by Inductively Coupled Plasma (ICP) method and for mercury by Cold Vapor method. This memorandum only addresses the evaluation of the one soil sample listed above since only ten percent of all data will be reviewed.

Data for these analyses were reviewed with reference to the EPA "Functional Guidelines for Inorganic Data Validation", the "Brooks Air Force Base IRP Handbook," and the Stage 2B Sampling and Analysis Plan, January 1993. The data were evaluated according to the following parameters:

- Data completeness
- Holding Times
- Calibrations
- * Blanks
- ICP Interference Check Results
- Matrix Spike Recoveries
- Laboratory Duplicates
- Laboratory Control Sample Results
- Detection Limit Results
- Sample Results

The symbol (*) indicates that quality control criteria were not met for this parameter. Analysis of CRDL standards and ICP Serial dilutions are not contractually required, consequently, the sample data were not evaluated for these parameters. Additionally, field duplicate results were not evaluated since the field duplicate pair was not reviewed during validation of this data package. Problems affecting data usability are addressed below, and the attached Table 1 summarizes the data validation qualifications.

Blanks

Laboratory method blank analyses yielded the following contaminants at the maximum concentrations indicated:

Contaminant	Maximum Concentration	Action Level for soil samples (mg/kg)
Aluminum[1]	85.3 ug/l	85.3
Antimony	38.4 ug/l	38.4
Barium	8.8 ug/l	8.8
Cobalt	4.6 ug/l	4.6
Iron[1]	10.3 ug/l	10.3
Manganese	2.7 ug/l	2.7
Potassium[1]	119.9 ug/l	119.9
Zinc[1]	3.6 ug/l	3.6

[1] - A negative concentration was noted for this analyte.

Action levels of 5X these concentrations were used to evaluate the sample data. Sample weight, moisture content and dilution factors were taken into consideration prior to the application of all action levels. The positive result for antimony and cobalt less than the action level was qualified as undetected, "U". No actions were taken for the remaining analytes since all sample concentrations of these analytes were nondetects or greater than the action levels.

Negative concentrations were reported for aluminum, arsenic, nickel, magnesium, potassium, and zinc in various laboratory method blanks. These occurrences are an indication of poor instrument performance (base-line fluctuations). Positive results (not affected by blank contamination) for these analytes are qualified as estimated, "J".

No other problems were noted.

KIRTLAND AIR FORCE BASE
CASE NO. KRT2B, SDG NO. ST219U
TABLE 1 - RECOMMENDATION SUMMARY

Aluminum		J^1		Magnesium	J^1
Antimony	A^1			Manganese	
Arsenic		J^1		Mercury	
Barium				Molybdenum	
Beryllium				Nickel	J^1
Cadmium				Potassium	J^1
Calcium		J^1		Selenium	
Chromium				Silver	
Copper				Sodium	
Cobalt	A^1			Thallium	
Iron		J^1		Vanadium	
Lead				Zinc	J^1

If the field is left blank, the qualifier is A, accept all data.

A^1 - Accept data, but change positive result (where appropriate) to a revised detection limit because of blank contamination.

J^1 - Estimate "J", positive results because negative concentrations were reported in the laboratory method blanks. Sample results are estimated due to poor instrument performance.

Brown & Root Environmental **INTERNAL MEMORANDUM**

TO: Karin Crandall **DATE:** August 22, 1994

FROM: Bernard J. Kuhn **COPIES:** File 2A56

SUBJECT: INORGANIC DATA VALIDATION
KIRTLAND AIR FORCE BASE, RFI DATA
CASE NO. KRT2B, SDG NO. ST221

SAMPLES: Soil: ST-221-02-1315

HALLIBURTON NUS Laboratories analyzed 22 soil samples and 2 water samples (equipment blank) for Target Analyte List (TAL) metals and Molybdenum by Inductively Coupled Plasma (ICP) method and for mercury by Cold Vapor method. This memorandum only addresses the evaluation of one soil sample listed above since only ten percent of all data will be reviewed.

Data for these analyses were reviewed with reference to the EPA "Functional Guidelines for Inorganic Data Validation", the "Brooks Air Force Base IRP Handbook," and the Stage 2B Sampling and Analysis Plan, January 1993. The data were evaluated according to the following parameters:

- Data completeness
- Holding Times
- Calibrations
- * Blanks
- * ICP Interference Check Results
- * Matrix Spike Recoveries
- Laboratory Duplicates
- * Laboratory Control Sample Results
- Detection Limit Results
- Sample Results

The symbol (*) indicates that quality control criteria were not met for this parameter. Analysis of CRDL standards and ICP Serial dilutions are not contractually required, consequently, the sample data were not evaluated for these parameters. Additionally, field duplicate results were not evaluated since the field duplicate pair was not reviewed during validation of this data package. Problems affecting data usability are addressed below, and the attached Table 1 summarizes the data validation qualifications.

Blanks

Laboratory method and field quality control blank analyses yielded the following contaminants at the maximum concentrations indicated:

Contaminant	Maximum Concentration	Action Level* for soil samples (mg/kg)
Aluminum[1]	42 ug/l	21
Barium[2]	2 ug/l	1
Calcium	32 ug/l	16
Chromium	40 ug/l	20
Copper	9 ug/l	4.5
Iron	52 ug/l	26
Magnesium[2]	113 ug/l	56.5
Silver[1]	9 ug/l	4.5
Sodium	26.5 mg/kg	135
Selenium[1]	71 ug/l	35.5
Vanadium	5 ug/l	2.5
Zinc[2]	14 ug/l	7

* A 1 g to 100 ml sample digestion was employed for these soil samples.

[1] - A negative concentration was noted for this analyte.
[2] - Maximum concentration of contaminant found in field quality control blank.

Action levels of 5X these concentrations were used to evaluate the sample data. Sample weight, moisture content and dilution factors were taken into consideration prior to the application of all action levels. The positive result for chromium less than the action level was qualified as undetected, "U". No actions were taken for the remaining analytes since all sample concentrations of these analytes were nondetects or greater than the action levels.

Negative concentrations were reported for aluminum, cobalt, silver and selenium in various laboratory method blanks. These occurrences are an indication of poor instrument performance (base-line fluctuations). Positive results and nondetects for these analytes are qualified as estimated, "J" and "UJ", respectively. No actions were taken for silver since the nondetected result was rejected due to ICP interferences.

Interference Check Sample Results:

The interfering analytes iron and calcium were present in one sample at concentrations which exceeded 50% of the respective concentration in the ICP solution for these analytes. Additionally, arsenic, sodium, barium, copper, manganese, molybdenum, silver, and zinc which were not supposed to be present in the ICS solution were detected in this solution at levels which exceeded two times (2X) the IDL. In addition, elevated positive results may exist for the other compounds as a result of interference stemming from high iron and calcium concentrations. Positive results for sodium and zinc in the affected sample was qualified as estimated, "J". None of the other analytes were affected by interferences stemming from high iron and calcium concentrations.

Furthermore, nondetected results for arsenic, silver, and molybdenum in the affected sample have been rejected, "R", as a result of suppression due to the high iron and calcium concentrations.

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Results:

The soil Matrix Spike/Matrix Spike Duplicate (MS/MSD) Percent Recoveries (%Rs) for copper and potassium exceeded the upper quality control criteria. Positive results for copper and potassium in the soil matrix were qualified as estimated "J" in the validated sample.

Laboratory Control Sample Results:

The solid LCS results for aluminum and lead were outside quality control limits for the soil matrix. Positive results for aluminum and lead were qualified as estimated, "J" in the validated sample.

No other problems were noted.

KIRTLAND AIR FORCE BASE
CASE NO. KRT2B, SDG NO. ST221
TABLE 1 - RECOMMENDATION SUMMARY

Aluminum		$J^{1,3,4}$		Magnesium		
Antimony				Manganese		
Arsenic			R^1	Mercury		
Barium				Molybdenum		R^1
Beryllium				Nickel		
Cadmium				Potassium	J^3	
Calcium				Selenium	J^1	
Chromium	A^1			Silver		R^1
Copper		J^3		Sodium	J^2	
Cobalt		J^1		Thallium		
Iron				Vanadium		
Lead		J^4		Zinc	J^2	

If the field is left blank, the qualifier is A, accept all data.

A^1 - Accept data, but change positive result (where appropriate) to a revised detection limit because of blank contamination.

J^1 - Estimate "J", positive results or, "UJ", nondetects because negative concentrations were reported in the laboratory method blanks. Sample results are estimated due to poor instrument performance.

J^2 - Estimate "J", positive results due to ICP ICS interference as a result of high iron and or calcium concentrations.

J^3 - Estimate "J", positive results as a result of high MS/MSD recovery.

J^4 - Estimate "J", positive result because of high LCS results.

R^1 - Reject, "R", nondetects as a result of suppression due to high iron and calcium concentrations.

Brown & Root Environmental **INTERNAL MEMORANDUM**

TO: Karin Crandall **DATE:** August 16, 1994

FROM: Cheryle C. Lu **COPIES:** File 2A56

SUBJECT: **INORGANIC DATA VALIDATION**
KIRTLAND AIR FORCE BASE, RFI DATA
CASE NO. KRT2B, SDG NO. ST222

SAMPLES: Soil: ST-222-02-1315, ST-222-03-1315.

HALLIBURTON NUS Laboratories analyzed 6 soil samples and 1 water sample (equipment blank) for Target Analyte List (TAL) metals and Molybdenum by Inductively Coupled Plasma (ICP) method and for mercury by Cold Vapor method. This memorandum only addresses the evaluation of the two soil samples listed above since only ten percent of all data will be reviewed.

Data for these analyses were reviewed with reference to the EPA "Functional Guidelines for Inorganic Data Validation", the "Brooks Air Force Base IRP Handbook," and the Stage 2B Sampling and Analysis Plan, January 1993. The data were evaluated according to the following parameters:

- Data completeness
- Holding Times
- Calibrations
- * Blanks
- * ICP Interference Check Results
- * Matrix Spike Recoveries
- Laboratory Duplicates
- * Laboratory Control Sample Results
- Detection Limit Results
- Sample Results

The symbol (*) indicates that quality control criteria were not met for this parameter. Analysis of CRDL standards and ICP Serial dilutions are not contractually required, consequently, the sample data were not evaluated for these parameters. Additionally, field duplicate results were not evaluated since the field duplicate pair was not reviewed during validation of this data package. Problems affecting data usability are addressed below, and the attached Table 1 summarizes the data validation qualifications.

Blanks

Laboratory method and field quality control blank analyses yielded the following contaminants at the maximum concentrations indicated:

Contaminant	Maximum Concentration	Action Level* for soil samples (mg/kg)
Aluminum[2]	120 ug/l	60
Arsenic	84 ug/l	42
Barium[2]	2 ug/l	1
Calcium[1]	60 ug/l	30
Chromium	13 ug/l	6.5
Cobalt[1]	1 ug/l	0.5
Copper[1,2]	13 ug/l	6.5
Iron[1]	4.5 mg/kg	22.5
Lead	3.0 mg/kg	15
Magnesium[2]	398 ug/l	199
Sodium	178 ug/l	89
Vanadium[1]	5 ug/l	2.5
Zinc[2]	19 ug/l	9.5

* A 1 g to 100 ml sample digestion was employed for these soil samples.

[1] - A negative concentration was noted for this analyte.
[2] - Maximum concentration of contaminant found in field quality control blank.

Action levels of 5X these concentrations were used to evaluate the sample data. Sample weight, moisture content and dilution factors were taken into consideration prior to the application of all action levels. Positive results for sodium and lead less than the action levels were qualified as undetected, "U". No actions were taken for the remaining analytes since all sample concentrations of these analytes were nondetects or greater than the action levels.

Negative concentrations were reported for calcium, cobalt, copper, iron, silver and vanadium in various laboratory method blanks. These occurrences are an indication of poor instrument performance (base-line fluctuations). Positive results and nondetects for these analytes are qualified as estimated, "J" and "UJ", respectively.

Interference Check Sample Results:

The interfering analyte iron was present in one sample at a concentration which exceeded 50% of the respective concentration in the ICP solution for this analyte. Additionally, arsenic, sodium, barium, copper, manganese, molybdenum, and zinc which were not supposed to be present in the ICS solution were detected in this solution at levels which exceeded two times (2X) the IDL. In addition, elevated positive results may exist for the other compounds as a results of interference stemming from high iron concentrations. The positive result for zinc in the affected sample was qualified as estimated, "J". No action was necessary for sodium since this result in the affected sample was qualified as a result of blank contamination. None of the other analytes were affected by interferences stemming from high iron concentrations.

Furthermore, nondetected results for arsenic and molybdenum in the affected sample have been rejected, "R", as a result of suppression due to the high iron concentration.

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Results:

The soil Matrix Spike/Matrix Spike Duplicate (MS/MSD) Percent Recoveries (%Rs) for barium and potassium exceeded the upper quality control criteria. Positive results for barium and potassium in the soil matrix were qualified as estimated "J".

Laboratory Control Sample Results:

The solid LCS result for aluminum was outside quality control limits for the soil matrix. Positive results for aluminum were qualified as estimated, "J".

No other problems were noted.

KIRTLAND AIR FORCE BASE
CASE NO. KRT2B, SDG NO. ST222
TABLE 1 - RECOMMENDATION SUMMARY

Aluminum		J^3		Magnesium			
Antimony				Manganese			
Arsenic			R^1	Mercury			
Barium		J^2		Molybdenum			R^1
Beryllium				Nickel			
Cadmium				Potassium		J^2	
Calcium		J^1		Selenium			
Chromium				Silver		J^1	
Copper		J^1		Sodium	A^1		
Cobalt		J^1		Thallium			
Iron		J^1		Vanadium		J^1	
Lead	A^1			Zinc		J^4	

If the field is left blank, the qualifier is A, accept all data.

A^1 - Accept data, but change positive result (where appropriate) to a revised detection limit because of blank contamination.

J^1 - Estimate "J", positive results or, "UJ", nondetects because negative concentrations were reported in the laboratory method blanks. Sample results are estimated due to poor instrument performance.

J^2 - Estimate "J", positive results as a result of high MS/MSD recovery.

J^3 - Estimate "J", positive result because of high solid LCS results.

J^4 - Estimate "J", positive results due to ICP ICS interference as a result of high iron concentrations.

R^1 - Reject, "R",nondetects as a result of suppression due to high iron concentrations.

Brown & Root Environmental **INTERNAL MEMORANDUM**

TO: Karin Crandall **DATE:** August 16, 1994

FROM: Cheryle C. Lu **COPIES:** File 2A56

SUBJECT: **INORGANIC DATA VALIDATION**
KIRTLAND AIR FORCE BASE, RFI DATA
CASE NO. KRT2B, SDG NO. ST226

SAMPLES: Soil: ST-226-03-0306.

HALLIBURTON NUS Laboratories analyzed 11 soil samples and 1 water sample (equipment blank) for Target Analyte List (TAL) metals and Molybdenum by Inductively Coupled Plasma (ICP) method and for mercury by Cold Vapor method. This memorandum only addresses the evaluation of the one soil sample listed above since only ten percent of all data will be reviewed.

Data for these analyses were reviewed with reference to the EPA "Functional Guidelines for Inorganic Data Validation", the "Brooks Air Force Base IRP Handbook," and the Stage 2B Sampling and Analysis Plan, January 1993. The data were evaluated according to the following parameters:

- Data completeness
- Holding Times
- Calibrations
- * Blanks
- * ICP Interference Check Results
- * Matrix Spike Recoveries
- Laboratory Duplicates
- Laboratory Control Sample Results
- Detection Limit Results
- Sample Results

The symbol (*) indicates that quality control criteria were not met for this parameter. Analysis of CRDL standards and ICP Serial dilutions are not contractually required, consequently, the sample data were not evaluated for these parameters. Additionally, field duplicate results were not evaluated since the field duplicate pair was not reviewed during validation of this data package. Problems affecting data usability are addressed below, and the attached Table 1 summarizes the data validation qualifications.

Blanks

Laboratory method and field quality control blank analyses yielded the following contaminants at the maximum concentrations indicated:

Contaminant	Maximum Concentration	Action Level* for soil samples (mg/kg)
Aluminum	37 ug/l	18.5
Beryllium	2 ug/l	1
Calcium[1]	161 ug/l	80.5
Chromium[1]	11 ug/l5	5.5
Copper[1]	2 ug/l	1
Iron[1]	29 ug/l	14.5
Silver	5 ug/l	2.5
Sodium[2]	215 ug/l	107.5
Zinc[1,2]	21 ug/l	10.5

* A 1 g to 100 ml sample digestion was employed for these soil samples.

[1] - A negative concentration was noted for this analyte.
[2] - Maximum concentration of contaminant found in field quality control blank.

Action levels of 5X these concentrations were used to evaluate the sample data. Sample weight, moisture content and dilution factors were taken into consideration prior to the application of all action levels. The positive result for beryllium less than the action level was qualified as undetected, "U". No actions were taken for the remaining analytes since all sample concentrations of these analytes were nondetects or greater than the action levels.

Negative concentrations were reported for calcium, chromium, copper, iron and zinc in various laboratory method blanks. These occurrences are an indication of poor instrument performance (base-line fluctuations). Positive results (not affected by the previously discussed action levels)for these analytes are qualified as estimated, "J".

Interference Check Sample Results:

The interfering analytes iron and calcium were present in one sample at concentrations which exceeded 50% of the respective concentration in the ICP solution for this analyte.

Additionally, sodium, barium, copper, manganese, molybdenum, and zinc which were not supposed to be present in the ICS solution were detected in this solution at levels which exceeded two times (2X) the IDL. In addition, elevated positive results may exist for the other compounds as a result of interference stemming from high iron and calcium concentrations. The positive result for sodium in the affected sample was qualified as estimated, "J". None of the other analytes were affected by interferences stemming from high iron and calcium concentrations.

Furthermore, nondetected results for arsenic and molybdenum in the affected sample have been rejected, "R", as a result of suppression due to the high iron and calcium concentrations.

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Results:

The soil Matrix Spike/Matrix Spike Duplicate (MS/MSD) Percent Recoveries (%Rs) for copper, manganese and potassium exceeded the upper quality control criteria. Positive results for copper, manganese and potassium in the soil matrix were qualified as estimated "J".

No other problems were noted.

KIRTLAND AIR FORCE BASE
CASE NO. KRT2B, SDG NO. ST226
TABLE 1 - RECOMMENDATION SUMMARY

Aluminum				Magnesium			
Antimony				Manganese	J^2		
Arsenic			R^1	Mercury			
Barium				Molybdenum			R^1
Beryllium	A^1			Nickel			
Cadmium				Potassium	J^2		
Calcium		J^1		Selenium			
Chromium		J^1		Silver			
Copper		$J^{1,2}$		Sodium	J^3		
Cobalt				Thallium			
Iron		J^1		Vanadium			
Lead				Zinc	J^1		

If the field is left blank, the qualifier is A, accept all data.

A^1 - Accept data, but change positive result (where appropriate) to a revised detection limit because of blank contamination.

J^1 - Estimate "J", positive results or, "UJ", nondetects because negative concentrations were reported in the laboratory method blanks. Sample results are estimated due to poor instrument performance.

J^2 - Estimate "J", positive results as a result of high MS/MSD recovery.

J^3 - Estimate "J", positive results due to ICP ICS interference as a result of high iron and calcium concentrations.

R^1 - Reject, "R", nondetects as a result of suppression due to high iron and calcium concentrations.

Brown & Root Environmental **INTERNAL MEMORANDUM**

TO: Karin Crandall **DATE:** August 16, 1994

FROM: Cheryle C. Lu **COPIES:** File 2A56

SUBJECT: **INORGANIC DATA VALIDATION**
KIRTLAND AIR FORCE BASE, RFI DATA
CASE NO. KRT2B, SDG NO. ST230

SAMPLES: Soil: ST-230-01-2022

HALLIBURTON NUS Laboratories analyzed 7 soil samples and 1 water sample (equipment blank) for Target Analyte List (TAL) metals and Molybdenum by Inductively Coupled Plasma (ICP) method and for mercury by Cold Vapor method. This memorandum only addresses the evaluation of the one soil sample listed above since only ten percent of all data will be reviewed.

Data for these analyses were reviewed with reference to the EPA "Functional Guidelines for Inorganic Data Validation", the "Brooks Air Force Base IRP Handbook," and the Stage 2B Sampling and Analysis Plan, January 1993. The data were evaluated according to the following parameters:

- Data completeness
- Holding Times
- Calibrations
- * Blanks
- * ICP Interference Check Results
- Laboratory Duplicates
- * Laboratory Control Sample Results
- Detection Limit Results
- Sample Results

The symbol (*) indicates that quality control criteria were not met for this parameter. Analysis of CRDL standards and ICP Serial dilutions are not contractually required, consequently, the sample data were not evaluated for these parameters. A matrix spike was not designated for analysis with this sample group therefore the data were not evaluated for this parameter. Additionally, field duplicate results were not evaluated since the field duplicate pair was not reviewed during validation of this data package. Problems affecting data usability are addressed below, and the attached Table 1 summarizes the data validation qualifications.

Blanks

Laboratory method and field quality control blank analyses yielded the following contaminants at the maximum concentrations indicated:

Contaminant	Maximum Concentration	Action Level* for soil samples (mg/kg)
Antimony	293 ug/l	147
Calcium[1]	161 ug/l	80.5
Copper[1,2]	13 ug/l	6.5
Iron[1]	12 ug/l	6.0
Silver[1,2]	3 ug/l	1.5
Sodium[1,2]	137 ug/l	68.5
Zinc	7 ug/l	3.5

* A 1 g to 100 ml sample digestion was employed for these soil samples.

[1] - A negative concentration was noted for this analyte.
[2] - Maximum concentration of contaminant found in field quality control blank.

Action levels of 5X these concentrations were used to evaluate the sample data. Sample weight, moisture content and dilution factors were taken into consideration prior to the application of all action levels. No actions were taken since all sample concentrations of these analytes were nondetects or greater than the action levels.

Negative concentrations were reported for calcium, chromium, copper, iron, silver and sodium in various laboratory method blanks. These occurrences are an indication of poor instrument performance (base-line fluctuations). Positive results and nondetects for these analytes are qualified as estimated, "J" and "UJ", respectively.

Interference Check Sample Results:

The interfering analyte calcium was present in one sample at a concentration which exceeded 50% of the respective concentration in the ICP solution for this analyte. Additionally, arsenic, sodium, barium, copper, manganese, molybdenum, and zinc which were not supposed to be present in the ICS solution were detected in this solution at levels which exceeded two times (2X) the IDL. In addition, elevated positive results may exist for the other compounds as a results of interference stemming from high calcium concentrations. Positive result for copper, sodium, and zinc in the affected sample was qualified as estimated, "J". None of the other analytes were affected by interferences stemming from high calcium concentrations.

Furthermore, nondetected results for arsenic and molybdenum in the affected sample have been rejected, "R", as a result of suppression due to the high calcium concentration.

Laboratory Control Sample Results:

The solid LCS result for aluminum was outside quality control limits for the soil matrix. The positive result for aluminum was qualified as estimated, "J".

No other problems were noted.

KIRTLAND AIR FORCE BASE
CASE NO. KRT2B, SDG NO. ST230
TABLE 1 - RECOMMENDATION SUMMARY

Aluminum	J^2		Magnesium		
Antimony			Manganese		
Arsenic		R^1	Mercury		
Barium			Molybdenum		R^1
Beryllium			Nickel		
Cadmium			Potassium		
Calcium	J^1		Selenium		
Chromium	J^1		Silver	J^1	
Copper	$J^{1,3}$		Sodium	$J^{1,3}$	
Cobalt			Thallium		
Iron	J^1		Vanadium		
Lead			Zinc	J^3	

If the field is left blank, the qualifier is A, accept all data.

J^1 - Estimate "J", positive results or, "UJ", nondetects because negative concentrations were reported in the laboratory method blanks. Sample results are estimated due to poor instrument performance.

J^2 - Estimate "J", positive result because of high solid LCS results.

J^3 - Estimate "J", positive results due to ICP ICS interference as a result of high calcium concentrations.

R^1 - Reject, "R",nondetects as a result of suppression due to high calcium concentrations.

Brown & Root Environmental **INTERNAL MEMORANDUM**

TO: Karin Crandall **DATE:** August 16, 1994

FROM: Cheryle C. Lu **COPIES:** File 2A56

SUBJECT: **INORGANIC DATA VALIDATION**
KIRTLAND AIR FORCE BASE, RFI DATA
CASE NO. KRT2B, SDG NO. ST231

SAMPLES: Soil: ST-231-02-1317.

HALLIBURTON NUS Laboratories analyzed 9 soil samples and 1 water sample (equipment blank) for Target Analyte List (TAL) metals and Molybdenum by Inductively Coupled Plasma (ICP) method and for mercury by Cold Vapor method. This memorandum only addresses the evaluation of the one soil sample listed above since only ten percent of all data will be reviewed.

Data for these analyses were reviewed with reference to the EPA "Functional Guidelines for Inorganic Data Validation", the "Brooks Air Force Base IRP Handbook," and the Stage 2B Sampling and Analysis Plan, January 1993. The data were evaluated according to the following parameters:

- Data completeness
- Holding Times
- Calibrations
- * Blanks
- * ICP Interference Check Results
- * Matrix Spike Recoveries
- Laboratory Duplicates
- * Laboratory Control Sample Results
- Detection Limit Results
- Sample Results

The symbol (*) indicates that quality control criteria were not met for this parameter. Analysis of CRDL standards and ICP Serial dilutions are not contractually required, consequently, the sample data were not evaluated for these parameters. Additionally, field duplicate results were not evaluated since the field duplicate pair was not reviewed during validation of this data package. Problems affecting data usability are addressed below, and the attached Table 1 summarizes the data validation qualifications.

Blanks

Laboratory method and field quality control blank analyses yielded the following contaminants at the maximum concentrations indicated:

Contaminant	Maximum Concentration	Action Level* for soil samples (mg/kg)
Aluminum[2]	27 ug/l	13.5
Antimony	293 mg/l	147.5
Calcium[1]	161 ug/l	80.5
Copper[1,2]	6 ug/l	3.0
Iron[1]	12 ug/l	6.0
Sodium[1,2]	76 ug/l	38
Vanadium	4 ug/l	2.0

* A 1 g to 100 ml sample digestion was employed for these soil samples.

[1] - A negative concentration was noted for this analyte.
[2] - Maximum concentration of contaminant found in field quality control blank.

Action levels of 5X these concentrations were used to evaluate the sample data. Sample weight, moisture content and dilution factors were taken into consideration prior to the application of all action levels. No actions were taken since all sample concentrations of these analytes were greater than the action levels.

Negative concentrations were reported for calcium, cadmium, chromium, copper, and sodium in various laboratory method blanks. These occurrences are an indication of poor instrument performance (base-line fluctuations). Positive results and nondetects these analytes are qualified as estimated, "J" and "UJ", respectively.

Interference Check Sample Results:

The interfering analyte iron was present in one sample at a concentration which exceeded 50% of the respective concentration in the ICP solution for this analyte. Additionally, arsenic, sodium, copper, manganese, molybdenum, and zinc which were not supposed to be present in the ICS solution were detected in this solution at levels which exceeded two times (2X) the IDL. In addition, elevated positive results may exist for the other compounds as a results of interference stemming from high iron concentrations. Positive results for copper, sodium, and zinc in the affected sample was qualified as estimated, "J". None of the other analytes were affected by interferences stemming from high iron

concentrations.

Furthermore, nondetected results for arsenic and molybdenum in the affected sample have been rejected, "R", as a result of suppression due to the high iron concentration.

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Results:

The soil Matrix Spike/Matrix Spike Duplicate (MS/MSD) Percent Recoveries (%Rs) for barium and potassium exceeded the upper quality control criteria. Positive results for barium and potassium in the soil matrix were qualified as estimated "J".

Laboratory Control Sample Results:

The solid LCS results for aluminum was outside quality control limits for the soil matrix. The positive result for aluminum was qualified as estimated, "J".

No other problems were noted.

KIRTLAND AIR FORCE BASE
CASE NO. KRT2B, SDG NO. ST231
TABLE 1 - RECOMMENDATION SUMMARY

Aluminum	J[4]		Magnesium		
Antimony			Manganese		
Arsenic		R[1]	Mercury		
Barium	J[2]		Molybdenum		R[1]
Beryllium			Nickel		
Cadmium	J[1]		Potassium	J[2]	
Calcium	J[1]		Selenium		
Chromium	J[1]		Silver	J[1]	
Copper	J[1,3]		Sodium	J[1,3]	
Cobalt			Thallium		
Iron	J[1]		Vanadium		
Lead			Zinc	J[3]	

If the field is left blank, the qualifier is A, accept all data.

J[1] - Estimate "J", positive results or, "UJ", nondetects because negative concentrations were reported in the laboratory method blanks. Sample results are estimated due to poor instrument performance.

J[2] - Estimate "J", positive results because of high MS/MSD recovery.

J[3] - Estimate "J", positive results due to ICP ICS interference because of high iron concentrations.

J[4] - Estimate "J", positive result because of high LCS results.

R[1] - Reject, "R",nondetects as a result of suppression due to high iron concentrations.

Brown & Root Environmental **INTERNAL MEMORANDUM**

TO: Karin Crandall DATE: August 16, 1994

FROM: Cheryle C. Lu COPIES: File 2A56

SUBJECT: INORGANIC DATA VALIDATION
KIRTLAND AIR FORCE BASE, RFI DATA
CASE NO. KRT2B, SDG NO. ST234

SAMPLES: Soil: ST-234-02-1316.

HALLIBURTON NUS Laboratories analyzed 11 soil samples and 1 water sample (equipment blank) for Target Analyte List (TAL) metals and Molybdenum by Inductively Coupled Plasma (ICP) method and for mercury by Cold Vapor method. This memorandum only addresses the evaluation of the one soil sample listed above since only ten percent of all data will be reviewed.

Data for these analyses were reviewed with reference to the EPA "Functional Guidelines for Inorganic Data Validation", the "Brooks Air Force Base IRP Handbook," and the Stage 2B Sampling and Analysis Plan, January 1993. The data were evaluated according to the following parameters:

- Data completeness
- Holding Times
- Calibrations
- * Blanks
- * ICP Interference Check Results
- * Matrix Spike Recoveries
- Laboratory Duplicates
- * Laboratory Control Sample Results
- Detection Limit Results
- Sample Results

The symbol (*) indicates that quality control criteria were not met for this parameter. Analysis of CRDL standards and ICP Serial dilutions are not contractually required, consequently, the sample data were not evaluated for these parameters. Additionally, field duplicate results were not evaluated since the field duplicate pair was not reviewed during validation of this data package. Problems affecting data usability are addressed below, and the attached Table 1 summarizes the data validation qualifications.

Blanks

Laboratory method and field quality control blank analyses yielded the following contaminants at the maximum concentrations indicated:

Contaminant	Maximum Concentration	Action Level* for soil samples (mg/kg)
Aluminum[2]	60 ug/l	30
Arsenic	84 ug/l	42
Calcium[1]	49 ug/l	24.5
Copper[1,2]	6.0 ug/l	3
Iron[1,2]	119 ug/l	59.5
Lead	3.0 mg/kg	15
Magnesium[2]	180 ug/l	90
Sodium	178 ug/l	89
Vanadium[1]	0.5 mg/kg	2.5
Zinc	0.7 mg/kg	3.5

* A 1 g to 100 ml sample digestion was employed for these soil samples.

[1] - A negative concentration was noted for this analyte.
[2] - Maximum concentration of contaminant found in field quality control blank.

Action levels of 5X these concentrations were used to evaluate the sample data. Sample weight, moisture content and dilution factors were taken into consideration prior to the application of all action levels. Positive results for lead less than the action level was qualified as undetected, "U". No actions were taken for the remaining analytes since all sample concentrations of these analytes were nondetects or greater than the action levels.

Negative concentrations were reported for calcium, cobalt, copper, iron and vanadium in various laboratory method blanks. These occurrences are an indication of poor instrument performance (base-line fluctuations). Positive results for these analytes are qualified as estimated, "J".

Interference Check Sample Results:

The interfering analytes iron and calcium were present in one sample at concentrations

which exceeded 50% of the respective concentration in the ICP solution for these analytes. Additionally, arsenic, sodium, barium, copper, manganese, molybdenum, and zinc which were not supposed to be present in the ICS solution were detected in this solution at levels which exceeded two times (2X) the IDL. In addition, elevated positive results may exist for the other compounds as a result of interference stemming from high iron and calcuim concentrations. The positive result for sodium in the affected sample was qualified as estimated, "J". None of the other analytes were affected by interferences stemming from high iron and calcuim concentrations.

Furthermore, nondetected results for arsenic and molybdenum in the affected sample have been rejected, "R", as a result of suppression due to the high iron and calcuim concentrations.

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Results:

The soil Matrix Spike/Matrix Spike Duplicate (MS/MSD) Percent Recoveries (%Rs) for copper and potassium exceeded the upper quality control criteria. Positive results for copper and potassium in the soil matrix were qualified as estimated "J".

Laboratory Control Sample Results:

The solid LCS results for aluminum were outside quality control limits for the soil matrix. The positive result for aluminum was qualified as estimated, "J".

No other problems were noted.

KIRTLAND AIR FORCE BASE
CASE NO. KRT2B, SDG NO. ST234
TABLE 1 - RECOMMENDATION SUMMARY

Aluminum		J^3		Magnesium			
Antimony				Manganese			
Arsenic			R^1	Mercury			
Barium				Molybdenum		R^1	
Beryllium				Nickel			
Cadmium				Potassium	J^2		
Calcium		J^1		Selenium			
Chromium				Silver			
Copper		$J^{1,2}$		Sodium	J^4		
Cobalt		J^1		Thallium			
Iron		J^1		Vanadium	J^1		
Lead	A^1			Zinc			

If the field is left blank, the qualifier is A, accept all data.

A^1 - Accept data, but change positive result (where appropriate) to a revised detection limit because of blank contamination.

J^1 - Estimate "J", positive results because negative concentrations were reported in the laboratory method blanks. Sample results are estimated due to poor instrument performance.

J^2 - Estimate "J", positive results because of high MS/MSD recovery.

J^3 - Estimate "J", positive result because of high LCS results.

J^4 - Estimate "J", positive results due to ICP ICS interference because of high iron and calcuim concentrations.

R^1 - Reject, "R",nondetects as a result of suppression due to high iron and calcuim concentrations.

Brown & Root Environmental **INTERNAL MEMORANDUM**

TO: Karin Crandall **DATE:** August 16, 1994

FROM: Cheryle C. Lu **COPIES:** File 2A56

SUBJECT: INORGANIC DATA VALIDATION
KIRTLAND AIR FORCE BASE, RFI DATA
CASE NO. KRT2B, SDG NO. ST235

SAMPLES: Soil: ST-235-01-0406.

HALLIBURTON NUS Laboratories analyzed 4 soil samples and 1 water sample (equipment blank) for Target Analyte List (TAL) metals and Molybdenum by Inductively Coupled Plasma (ICP) method and for mercury by Cold Vapor method. This memorandum only addresses the evaluation of the one soil sample listed above since only ten percent of all data will be reviewed.

Data for these analyses were reviewed with reference to the EPA "Functional Guidelines for Inorganic Data Validation", the "Brooks Air Force Base IRP Handbook," and the Stage 2B Sampling and Analysis Plan, January 1993. The data were evaluated according to the following parameters:

- Data completeness
- Holding Times
- Calibrations
- * Blanks
- * ICP Interference Check Results
- Matrix Spike Recoveries
- Laboratory Duplicates
- * Laboratory Control Sample Results
- Detection Limit Results
- Sample Results

The symbol (*) indicates that quality control criteria were not met for this parameter. Analysis of CRDL standards and ICP Serial dilutions are not contractually required, consequently, the sample data were not evaluated for these parameters. Additionally, field duplicate results were not evaluated since the field duplicate pair was not reviewed during validation of this data package. Problems affecting data usability are addressed below, and the attached Table 1 summarizes the data validation qualifications.

Blanks

Laboratory method and field quality control blank analyses yielded the following contaminants at the maximum concentrations indicated:

Contaminant	Maximum Concentration	Action Level* for soil samples (mg/kg)
Arsenic	66 ug/l	33
Calcium[1]	33 ug/l	16.5
Copper[1,2]	20 ug/l	10
Iron[1]	10 ug/l	5
Sodium	77 ug/l	38.5
Vanadium	0.5 mg/kg	2.5
Zinc	0.7 mg/kg	3.5
Molybdenum	2.9 mg/kg	14.5

* A 1 g to 100 ml sample digestion was employed for these soil samples.

[1] - A negative concentration was noted for this analyte.
[2] - Maximum concentration of contaminant found in field quality control blank.

Action levels of 5X these concentrations were used to evaluate the sample data. Sample weight, moisture content and dilution factors were taken into consideration prior to the application of all action levels. The positive result for arsenic less than the action level was qualified as undetected, "U". No actions were taken for the remaining analytes since all sample concentrations of these analytes were nondetects or greater than the action levels.

Negative concentrations were reported for aluminum, cadmium, calcium, cobalt, copper, iron and silver in various laboratory method blanks. These occurrences are an indication of poor instrument performance (base-line fluctuations). Positive results and nondetects for these analytes are qualified as estimated, "J" and "UJ", respectively.

Interference Check Sample Results:

The interfering analytes iron and calcium were present in one sample at concentrations which exceeded 50% of the respective concentration in the ICP solution for this analyte. Additionally, arsenic, barium, copper, manganese, molybdenum, and zinc

which were not supposed to be present in the ICS solution were detected in this solution at levels which exceeded two times (2X) the IDL. In addition, elevated positive results may exist for the other compounds as a result of interference stemming from high iron and calcium concentrations. The positive result for zinc in the affected sample was qualified as estimated, "J". No action was necessary for arsenic since this result in the affected sample was qualified as a result of blank contamination. None of the other analytes were affected by interferences stemming from high iron and calcium concentrations.

Furthermore, nondetected result for molybdenum in the affected sample has been rejected, "R", as a result of suppression due to the high iron and calcium concentration.

Laboratory Control Sample Results:

The solid LCS results for aluminum were outside quality control limits for the soil matrix. The positive result for aluminum was qualified as estimated, "J".

No other problems were noted.

KIRTLAND AIR FORCE BASE
CASE NO. KRT2B, SDG NO. ST235
TABLE 1 - RECOMMENDATION SUMMARY

Aluminum		$J^{1,2}$	Magnesium		
Antimony			Manganese		
Arsenic	A^1		Mercury		
Barium			Molybdenum		R^1
Beryllium			Nickel		
Cadmium		J^1	Potassium		
Calcium		J^1	Selenium		
Chromium			Silver	J^1	
Copper		J^1	Sodium		
Cobalt		J^1	Thallium		
Iron		J^1	Vanadium		
Lead			Zinc	J^3	

If the field is left blank, the qualifier is A, accept all data.

A^1 - Accept data, but change positive result (where appropriate) to a revised detection limit because of blank contamination.

J^1 - Estimate "J", positive results or, "UJ", nondetects because negative concentrations were reported in the laboratory method blanks. Sample results are estimated due to poor instrument performance.

J^2 - Estimate "J", positive results because of high solid LCS results.

J^3 - Estimate "J", positive results due to ICP ICS interference as a result of high iron and/or calcium concentrations.

R^1 - Reject, "R", nondetects as a result of suppression due to high iron and calcium concentrations.

Brown & Root Environmental **INTERNAL MEMORANDUM**

TO: Karin Crandall **DATE:** August 16, 1994

FROM: Cheryle C. Lu **COPIES:** File 2A56

SUBJECT: **INORGANIC DATA VALIDATION**
KIRTLAND AIR FORCE BASE, RFI DATA
CASE NO. KRT2B, SDG NO. ST239

SAMPLES: Soil: ST-239-01-1721

HALLIBURTON NUS Laboratories analyzed 4 soil samples for Target Analyte List (TAL) metals and Molybdenum by Inductively Coupled Plasma (ICP) method and for mercury by Cold Vapor method. No field quality control blanks were included with this data package. This memorandum only addresses the evaluation of the one soil sample listed above since only ten percent of all data will be reviewed.

Data for these analyses were reviewed with reference to the EPA "Functional Guidelines for Inorganic Data Validation", the "Brooks Air Force Base IRP Handbook," and the Stage 2B Sampling and Analysis Plan, January 1993. The data were evaluated according to the following parameters:

- Data completeness
- Holding Times
- Calibrations
- * Blanks
- * ICP Interference Check Results
- Matrix Spike Recoveries
- Laboratory Duplicates
- * Field Duplicate Results
- * Laboratory Control Sample Results
- Detection Limits
- Sample Results

The symbol (*) indicates that quality control criteria were not met for this parameter. Analysis of CRDL standards and ICP Serial dilutions are not contractually required, consequently, the sample data were not evaluated for these parameters. Problems affecting data usability are addressed below, and the attached Table 1 summarizes the data validation qualifications.

Blanks

Laboratory method and field quality control blank analyses yielded the following contaminants at the maximum concentrations indicated:

Contaminant	Maximum Concentration	Action Level* for soil samples (mg/kg)
Arsenic	66.0 ug/l	33.0
Calcium[1]	33.0 ug/l	16.5
Copper[1]	1 ug/l	0.5
Molybdenum	2.9 mg/kg	14.5
Sodium	71.0 ug/l	35.5
Vanadium	0.5 mg/kg	2.5
Zinc	0.7 mg/kg	3.5

* A 1 g to 100 ml sample digestion was employed for these soil samples.

[1] - A negative concentration was noted for this analyte.

Action levels of 5X these concentrations were used to evaluate the sample data. Sample weight, moisture content and dilution factors were taken into consideration prior to the application of all action levels. Positive results for arsenic less than the action levels were qualified as undetected, "U". No actions were taken for the remaining analytes since all sample concentrations of these analytes were nondetects or greater than the action levels.

Negative concentrations were reported for aluminum, calcium, cobalt, copper, and iron in various laboratory method blanks. These occurrences are an indication of poor instrument performance (base-line fluctuations). Positive results for these analytes are qualified as estimated, "J".

Interference Check Sample Results:

The interfering analytes iron and calcium were present in one sample at concentrations which exceeded 50% of the respective concentration in the ICP solution for these analytes. Additionally, arsenic, sodium, barium, copper, manganese, molybdenum, vanadium, and zinc which were not supposed to be present in the ICS solution were detected in this solution at levels which exceeded two times (2X) the IDL. In addition, elevated positive results may exist for the other compounds as a result of interference

stemming from high iron and calcium concentrations. Positive results for sodium and zinc in the affected sample were qualified as estimated, "J". No action was necessary for arsenic since this result in the affected sample was qualified as a result of blank contamination. None of the other analytes were affected by interferences stemming from high iron and calcium concentrations.

Furthermore, the nondetected result for molybdenum in the affected sample has been rejected, "R", as a result of suppression due to the high iron and calcium concentration.

Laboratory Control Sample Results:

The solid LCS results for aluminum were outside quality control limits for the soil matrix. The positive result for aluminum was qualified as estimated, "J".

Field Duplicates:

The Field Duplicate Relative Percent Difference (PRD) for barium and calcium were greater than 50% for the soil sample pair. Positive results for barium and calcium were qualified as estimated "J".

No other problems were noted.

KIRTLAND AIR FORCE BASE
CASE NO. KRT2B, SDG NO. ST239
TABLE 1 - RECOMMENDATION SUMMARY

Aluminum		$J^{1,2}$	Magnesium		
Antimony			Manganese		
Arsenic	A^1		Mercury		
Barium		J^4	Molybdenum		R^1
Beryllium			Nickel		
Cadmium			Potassium		
Calcium		$J^{1,4}$	Selenium		
Chromium			Silver		
Copper		J^1	Sodium	J^3	
Cobalt		J^1	Thallium		
Iron		$J^{1,3}$	Vanadium		
Lead			Zinc	J^3	

If the field is left blank, the qualifier is A, accept all data.

A^1 - Accept data, but change positive result (where appropriate) to a revised detection limit because of blank contamination.

J^1 - Estimate "J", positive results because negative concentrations were reported in the laboratory method blanks. Sample results are estimated due to poor instrument performance.

J^2 - Estimate "J", positive result because of high solid LCS results.

J^3 - Estimate "J", positive results due to ICP ICS interference as a result of high iron and/or calcium concentrations.

J^4 - Estimate "J", positive results for field duplicate RPD was greater than 50%.

R^1 - Reject, "R",nondetects as a result of suppression due to high iron and calcium concentrations.

Brown & Root Environmental **INTERNAL MEMORANDUM**

TO: Karin Crandall **DATE:** August 17, 1994

FROM: Cheryle C. Lu **COPIES:** File 2A56

SUBJECT: **INORGANIC DATA VALIDATION**
KIRTLAND AIR FORCE BASE, RFI DATA
CASE NO. KRT2B, SDG NO. ST243

SAMPLES: Soil: ST-243-02-0811, ST-243-04-0305

HALLIBURTON NUS Laboratories analyzed 10 soil samples and 1 water sample (equipment blank) for Target Analyte List (TAL) metals and Molybdenum by Inductively Coupled Plasma (ICP) method and for mercury by Cold Vapor method. This memorandum only addresses the evaluation of the two soil samples listed above since only ten percent of all data will be reviewed.

Data for these analyses were reviewed with reference to the EPA "Functional Guidelines for Inorganic Data Validation", the "Brooks Air Force Base IRP Handbook," and the Stage 2B Sampling and Analysis Plan, January 1993. The data were evaluated according to the following parameters:

- Data completeness
- Holding Times
- Calibrations
- * Blanks
- * ICP Interference Check Results
- * Matrix Spike Recoveries
- Laboratory Duplicates
- * Laboratory Control Sample Results
- Detection Limit Results
- Sample Results

The symbol (*) indicates that quality control criteria were not met for this parameter. Analysis of CRDL standards and ICP Serial dilutions are not contractually required, consequently, the sample data were not evaluated for these parameters. Additionally, field duplicate results were not evaluated since the field duplicate pair was not reviewed during validation of this data package. Problems affecting data usability are addressed below, and the attached Table 1 summarizes the data validation qualifications.

Blanks

Laboratory method and field quality control blank analyses yielded the following contaminants at the maximum concentrations indicated:

Contaminant	Maximum Concentration	Action Level* for soil samples (mg/kg)
Aluminum[2]	66.0 ug/l	33.0
Cadmium[1]	5 ug/l	2.5
Calcium	62 ug/l	31
Copper[1,2]	14.0 ug/l	7.0
Iron[2]	83.0 ug/l	41.5
Magnesium[2]	214.0 ug/l	107.0
Sodium	16.3 mg/kg	81.5
Zinc[2]	11.0 ug/l	5.5

* A 1 g to 100 ml sample digestion was employed for these soil samples.

[1] - A negative concentration was noted for this analyte.
[2] - Maximum concentration of contaminant found in field quality control blank.

Action levels of 5X these concentrations were used to evaluate the sample data. Sample weight, moisture content and dilution factors were taken into consideration prior to the application of all action levels. No actions were taken for the remaining analytes since all sample concentrations of these analytes were nondetects or greater than the action levels.

Negative concentrations were reported for cobalt, copper, chromium, cadmium, silver and selenium in various laboratory method blanks. These occurrences are an indication of poor instrument performance (base-line fluctuations). Positive results and nondetects for these analytes are qualified as estimated, "J" and "UJ", respectively.

Interference Check Sample Results:

The interfering analytes iron and/or calcium were present in the two samples at concentrations which exceeded 50% of the respective concentration in the ICP solution for this analyte. Additionally, arsenic, sodium, barium, copper, manganese, molybdenum, and zinc which were not supposed to be present in the ICS solution were detected in this solution at levels which exceeded two times (2X) the IDL. In addition, elevated positive results may exist for the other compounds as a result of

interference stemming from high iron and/or calcium concentrations. Positive results for sodium and zinc in the affected sample was qualified as estimated, "J". None of the other analytes were affected by interferences stemming from high iron and/or calcium concentrations.

Furthermore, nondetected results for arsenic and molybdenum in the affected sample have been rejected, "R", as a result of suppression due to the high iron and calcium concentration.

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Results:

The soil Matrix Spike/Matrix Spike Duplicate (MS/MSD) Percent Recoveries (%Rs) for copper, potassium and zinc exceeded the upper quality control criteria. Positive results for copper, potassium and zinc in the soil matrix were qualified as estimated "J".

Laboratory Control Sample Results:

The solid LCS results for aluminum were outside quality control limits for the soil matrix. Positive results for aluminum were qualified as estimated, "J".

No other problems were noted.

KIRTLAND AIR FORCE BASE
CASE NO. KRT2B, SDG NO. ST243
TABLE 1 - RECOMMENDATION SUMMARY

Aluminum	J^4		Magnesium		
Antimony			Manganese		
Arsenic		R^1	Mercury		
Barium			Molybdenum		R^1
Beryllium			Nickel		
Cadmium	J^1		Potassium	J^3	
Calcium			Selenium	J^1	
Chromium	J^1		Silver	J^1	
Copper	$J^{1,3}$		Sodium	J^2	
Cobalt	J^1		Thallium		
Iron			Vanadium		
Lead			Zinc	$J^{2,3}$	

If the field is left blank, the qualifier is A, accept all data.

A^1 - Accept data, but change positive result (where appropriate) to a revised detection limit because of blank contamination.

J^1 - Estimate "J", positive results or, "UJ", nondetects because negative concentrations were reported in the laboratory method blanks. Sample results are estimated due to poor instrument performance.

J^2 - Estimate "J", positive results due to ICP ICS interference as a result of high iron and/or concentrations.

J^3 - Estimate "J", positive results as a result of high MS/MSD recovery.

J^4 - Estimate "J", positive results because of high LCS results.

R^1 - Reject, "R",nondetects as a result of suppression due to high iron and/or calcium concentrations.

Brown & Root Environmental **INTERNAL MEMORANDUM**

TO: Karin Crandall **DATE:** August 16, 1994

FROM: Cheryle C. Lu **COPIES:** File 2A56

SUBJECT: **INORGANIC DATA VALIDATION**
KIRTLAND AIR FORCE BASE, RFI DATA
CASE NO. KRT2B, SDG NO. ST244

SAMPLES: Soil: ST-244-03-0810.

HALLIBURTON NUS Laboratories analyzed 11 soil samples and 1 water sample (equipment blank) for Target Analyte List (TAL) metals and Molybdenum by Inductively Coupled Plasma (ICP) method and for mercury by Cold Vapor method. This memorandum only addresses the evaluation of the one soil sample listed above since only ten percent of all data will be reviewed.

Data for these analyses were reviewed with reference to the EPA "Functional Guidelines for Inorganic Data Validation", the "Brooks Air Force Base IRP Handbook," and the Stage 2B Sampling and Analysis Plan, January 1993. The data were evaluated according to the following parameters:

- Data completeness
- Holding Times
- Calibrations
- * Blanks
- * ICP Interference Check Results
- * Matrix Spike Recoveries
- Laboratory Duplicates
- * Laboratory Control Sample Results
- Detection Limit Results
- Sample Results

The symbol (*) indicates that quality control criteria were not met for this parameter. Analysis of CRDL standards and ICP Serial dilutions are not contractually required, consequently, the sample data were not evaluated for these parameters. Additionally, field duplicate results were not evaluated since the field duplicate pair was not reviewed during validation of this data package. Problems affecting data usability are addressed below, and the attached Table 1 summarizes the data validation qualifications.

Blanks

Laboratory method and field quality control blank analyses yielded the following contaminants at the maximum concentrations indicated:

Contaminant	Maximum Concentration	Action Level* for soil samples (mg/kg)
Aluminum[2]	23.0 ug/l	11.5
Arsenic	66.0 ug/l	33.0
Calcium[1]	69.0 ug/l	34.5
Chromium	13.0 ug/l	6.5
Copper[1,2]	17.0 ug/l	8.5
Iron[1]	4.5 mg/kg	22.5
Magnesium[2]	83.0 ug/l	41.5
Sodium	178 ug/l	89.0
Zinc[2]	16.0 ug/l	8.0

* A 1 g to 100 ml sample digestion was employed for these soil samples.

[1] - A negative concentration was noted for this analyte.
[2] - Maximum concentration of contaminant found in field quality control blank.

Action levels of 5X these concentrations were used to evaluate the sample data. Sample weight, moisture content and dilution factors were taken into consideration prior to the application of all action levels. The positive result for chromium less than the action level was qualified as undetected, "U". No actions were taken for the remaining analytes since all sample concentrations of these analytes were nondetects or greater than the action levels.

Negative concentrations were reported for calcium, copper, iron, silver and vanadium in various laboratory method blanks. These occurrences are an indication of poor instrument performance (base-line fluctuations). Positive results and nondetects for these analytes are qualified as estimated, "J" and "UJ", respectively.

Interference Check Sample Results:

The interfering analyte iron was present in one sample at a concentration which exceeded 50% of the respective concentration in the ICP solution for this analyte. Additionally, arsenic, sodium, barium, copper, manganese, molybdenum, and zinc which were not

supposed to be present in the ICS solution were detected in this solution at levels which exceeded two times (2X) the IDL. In addition, elevated positive results may exist for the other compounds as a results of interference stemming from high iron concentrations. Positive results for sodium and zinc in the affected sample were qualified as estimated, "J". None of the other analytes were affected by interferences stemming from high iron concentrations.

Furthermore, nondetected results for arsenic and molybdenum in the affected sample have been rejected, "R", as a result of suppression due to the high iron concentration.

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Results:

The soil Matrix Spike/Matrix Spike Duplicate (MS/MSD) Percent Recoveries (%Rs) for barium exceeded the upper quality control criteria. The positive result for barium in the soil matrix was qualified as estimated "J".

Laboratory Control Sample Results:

The solid LCS results for aluminum were outside quality control limits for the soil matrix. The positive result for aluminum was qualified as estimated, "J".

No other problems were noted.

KIRTLAND AIR FORCE BASE
CASE NO. KRT2B, SDG NO. ST244
TABLE 1 - RECOMMENDATION SUMMARY

Aluminum		J^3		Magnesium			
Antimony				Manganese			
Arsenic			R^1	Mercury			
Barium		J^2		Molybdenum			R^1
Beryllium				Nickel			
Cadmium				Potassium			
Calcium		J^1		Selenium			
Chromium	A^1			Silver	J^1		
Copper		J^1		Sodium	J^4		
Cobalt				Thallium			
Iron		J^1		Vanadium	J^1		
Lead				Zinc	J^4		

If the field is left blank, the qualifier is A, accept all data.

A^1 - Accept data, but change positive result (where appropriate) to a revised detection limit because of blank contamination.

J^1 - Estimate "J", positive results or, "UJ", nondetects because negative concentrations were reported in the laboratory method blanks. Sample results are estimated due to poor instrument performance.

J^2 - Estimate "J", positive results because of high solid MS/MSD recovery.

J^3 - Estimate "J", positive results because of high LCS results.

J^4 - Estimate "J", positive results due to ICP ICS interference as a result of high iron concentrations.

R^1 - Reject, "R",nondetects as a result of suppression due to high iron concentrations.

Brown & Root Environmental **INTERNAL MEMORANDUM**

TO: Karin Crandall **DATE:** August 16, 1994

FROM: Cheryle C. Lu **COPIES:** File 2A56

SUBJECT: **INORGANIC DATA VALIDATION**
KIRTLAND AIR FORCE BASE, RFI DATA
CASE NO. KRT2B, SDG NO. ST246

SAMPLES: Soil: ST-246-01-1416, ST-246-06-1517.

HALLIBURTON NUS Laboratories analyzed 21 soil samples and 1 water sample (equipment blank) for Target Analyte List (TAL) metals and Molybdenum by Inductively Coupled Plasma (ICP) method and for mercury by Cold Vapor method. This memorandum only addresses the evaluation of the two soil samples listed above since only ten percent of all data will be reviewed.

Data for these analyses were reviewed with reference to the EPA "Functional Guidelines for Inorganic Data Validation", the "Brooks Air Force Base IRP Handbook," and the Stage 2B Sampling and Analysis Plan, January 1993. The data were evaluated according to the following parameters:

- Data completeness
- Holding Times
- Calibrations
- * Blanks
- * ICP Interference Check Results
- * Matrix Spike Recoveries
- Laboratory Duplicates
- * Laboratory Control Sample Results
- Detection Limit Results
- Sample Results

The symbol (*) indicates that quality control criteria were not met for this parameter. Analysis of CRDL standards and ICP Serial dilutions are not contractually required, consequently, the sample data were not evaluated for these parameters. Additionally, field duplicate results were not evaluated since the field duplicate pair was not reviewed during validation of this data package. Problems affecting data usability are addressed below, and the attached Table 1 summarizes the data validation qualifications.

Blanks

Laboratory method and field quality control blank analyses yielded the following contaminants at the maximum concentrations indicated:

Contaminant	Maximum Concentration	Action Level* for soil samples (mg/kg)
Aluminum	37 ug/l	18.5
Beryllium	2 ug/l	1
Calcium[1]	161 ug/l	80.5
Chromium	11 ug/l	5.5
Copper	2 ug/l	1.0
Iron[1]	29 ug/l	14.5
Magnesium[2]	27 ug/l	13.5
Silver[1]	5 ug/l	2.5
Sodium[1]	79 ug/l	39.5
Zinc[1,2]	7 ug/l	3.5

* A 1 g to 100 ml sample digestion was employed for these soil samples.

[1] - A negative concentration was noted for this analyte.
[2] - Maximum concentration of contaminant found in field quality control blank.

Action levels of 5X these concentrations were used to evaluate the sample data. Sample weight, moisture content and dilution factors were taken into consideration prior to the application of all action levels. Positive results for beryllium less than the action level was qualified as undetected, "U". No actions were taken for the remaining analytes since all sample concentrations of these analytes were nondetects or greater than the action levels.

Negative concentrations were reported for antimony, arsenic, calcium, copper, iron, silver, sodium, vanadium and zinc in various laboratory method blanks. These occurrences are an indication of poor instrument performance (base-line fluctuations). Positive results (not affected by the previously discussed action levels) and nondetects for these analytes are qualified as estimated, "J" and "UJ", respectively. No actions were taken for arsenic as the nondetects for this analyte in the validated samples were rejected as a result of ICS interference.

Interference Check Sample Results:

The interfering analytes iron and calcium were present in two samples at concentrations which exceeded 50% of the respective concentration in the ICP solution for this analyte. Additionally, arsenic, sodium, barium, copper, manganese, molybdenum, and zinc which were not supposed to be present in the ICS solution were detected in this solution at levels which exceeded two times (2X) the IDL. In addition, elevated positive results may exist for the other compounds as a results of interference stemming from high iron and calcium concentrations. The positive results for sodium and zinc in the affected samples were qualified as estimated, "J". None of the other analytes were affected by interferences stemming from high iron and calcium concentrations.

Furthermore, nondetected results for arsenic and molybdenum in the affected samples have been rejected, "R", as a result of suppression due to the high iron and calcium concentration.

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Results:

The soil Matrix Spike/Matrix Spike Duplicate (MS/MSD) Percent Recoveries (%Rs) for potassium exceeded the upper quality control criteria. Positive results for potassium in the soil matrix were qualified as estimated "J".

The soil MS/MSD %Rs for copper were lower than the quality control criteria. Positive results for copper in the soil matrix were qualified as estimated, "J".

Laboratory Control Sample Results:

The solid LCS results for aluminum were outside quality control limits for the soil matrix. Positive results for aluminum were qualified as estimated, "J".

No other problems were noted.

KIRTLAND AIR FORCE BASE
CASE NO. KRT2B, SDG NO. ST246
TABLE 1 - RECOMMENDATION SUMMARY

Aluminum		J^4		Magnesium			
Antimony		J^1		Manganese			
Arsenic			R^1	Mercury			
Barium				Molybdenum			R^1
Beryllium	A^1			Nickel			
Cadmium				Potassium	J^2		
Calcium		J^1		Selenium			
Chromium				Silver	J^1		
Copper		$J^{1,3}$		Sodium	$J^{1,5}$		
Cobalt				Thallium			
Iron		J^1		Vanadium	J^1		
Lead				Zinc	$J^{1,5}$		

If the field is left blank, the qualifier is A, accept all data.

A^1 - Accept data, but change positive result (where appropriate) to a revised detection limit because of blank contamination.

J^1 - Estimate "J", positive results or, "UJ", nondetects because negative concentrations were reported in the laboratory method blanks. Sample results are estimated due to poor instrument performance.

J^2 - Estimate "J", positive results because of high MS/MSD recovery.

J^3 - Estimate "J" positive results because of low MS/MSD recovery.

J^4 - Estimate "J", positive result because of high solid LCS results.

J^5 - Estimate "J", positive results due to ICP ICS interference as a result of high iron and/or calcium concentrations.

R^1 - Reject, "R",nondetects as a result of suppression due to high iron and calcium concentrations.

Brown & Root Environmental **INTERNAL MEMORANDUM**

TO: Karin Crandall **DATE:** August 17, 1994

FROM: Cheryle C. Lu **COPIES:** File 2A56

SUBJECT: **INORGANIC DATA VALIDATION**
KIRTLAND AIR FORCE BASE, RFI DATA
CASE NO. KRT2B, SDG NO. ST248

SAMPLES: Soil: ST-248-01-0911, ST-248-05-0305

HALLIBURTON NUS Laboratories analyzed 9 soil samples and 1 water sample (equipment blank) for Target Analyte List (TAL) metals and Molybdenum by Inductively Coupled Plasma (ICP) method and for mercury by Cold Vapor method. This memorandum only addresses the evaluation of the two soil samples listed above since only ten percent of all data will be reviewed.

Data for these analyses were reviewed with reference to the EPA "Functional Guidelines for Inorganic Data Validation", the "Brooks Air Force Base IRP Handbook," and the Stage 2B Sampling and Analysis Plan, January 1993. The data were evaluated according to the following parameters:

	• Data completeness
	• Holding Times
*	• Calibrations
*	• Blanks
*	• ICP Interference Check Results
*	• Matrix Spike Recoveries
	• Laboratory Duplicates
*	• Laboratory Control Sample Results
	• Detection Limit Results
	• Sample Results

The symbol (*) indicates that quality control criteria were not met for this parameter. Analysis of CRDL standards and ICP Serial dilutions are not contractually required, consequently, the sample data were not evaluated for these parameters. Additionally, field duplicate results were not evaluated since the field duplicate pair was not reviewed during validation of this data package. Problems affecting data usability are addressed below, and the attached Table 1 summarizes the data validation qualifications.

Instrument Calibration:

Initial Calibration Verification (ICV) Percent Recovery (%R) for selenium was extremely low (<30%). Nondetects for selenium were rejected, "R", in the validated samples.

Blanks

Laboratory method and field quality control blank analyses yielded the following contaminants at the maximum concentrations indicated:

Contaminant	Maximum Concentration	Action Level* for soil samples (mg/kg)
Aluminum	29 ug/l	14.5
Arsenic[1]	66 ug/l	33
Calcium[1]	56 ug/l	28
Chromium[1]	1.8 mg/kg	9
Copper[1]	0.7 mg/kg	3.5
Iron[1]	11.2 mg/kg	56
Potassium	28 mg/kg	140
Sodium[1]	99 ug/l	49.5
Silver	4 ug/l	2
Vanadium[1]	0.5 mg/kg	2.5
Selenium	76 ug/l	38
Zinc[2]	9 ug/l	4.5

* A 1 g to 100 ml sample digestion was employed for these soil samples.

[1] - A negative concentration was noted for this analyte.
[2] - Maximum concentration of contaminant found in field quality control blank.

Action levels of 5X these concentrations were used to evaluate the sample data. Sample weight, moisture content and dilution factors were taken into consideration prior to the application of all action levels. Positive results for chromium less than the action levels were qualified as undetected, "U". No actions were taken for the remaining analytes since all sample concentrations of these analytes were nondetects or greater than the action levels.

Negative concentrations were reported for arsenic, calcium, cadmium, copper,

chromium, iron, sodium, and vanadium in various laboratory method blanks. These occurrences are an indication of poor instrument performance (base-line fluctuations). Positive results and nondetects for these analytes are qualified as estimated, "J" and "UJ", respectively. No actions were necessary for arsenic since the nondetects reports for this analyte in the validated samples were rejected due to ICP interference.

Interference Check Sample Results:

The interfering analytes iron and calcium present in two samples at concentrations which exceeded 50% of the respective concentration in the ICP solution for these analytes. Additionally, arsenic, sodium, barium, cadmium, copper, manganese, molybdenum, vanadium, and zinc which were not supposed to be present in the ICS solution were detected in this solution at levels which exceeded two times (2X) the IDL. In addition, elevated positive results may exist for the other compounds as a results of interference stemming from high iron and calcium concentrations. The positive result for cadmium, sodium, and zinc in the affected sample was qualified as estimated, "J". None of the other analytes were affected by interferences stemming from high iron and calcium concentrations.

Furthermore, nondetected results for arsenic and molybdenum in the affected sample have been rejected, "R", as a result of suppression due to the high iron and calcium concentration.

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Results:

The soil Matrix Spike/Matrix Spike Duplicate (MS/MSD) Percent Recoveries (%Rs) for barium and potassium exceeded the upper quality control criteria. Positive results for barium and potassium of the soil matrix were qualified as estimated "J" in the validated samples.

Laboratory Control Sample Results:

The solid LCS results for nickel and magnesium were outside quality control limits for the soil matrix. Positive results for nickel and magnesium were qualified as estimated, "J".

No other problems were noted.

KIRTLAND AIR FORCE BASE
CASE NO. KRT2B, SDG NO. ST248
TABLE 1 - RECOMMENDATION SUMMARY

Aluminum				Magnesium	J^3	
Antimony				Manganese		
Arsenic			R^1	Mercury		
Barium		J^4		Molybdenum		R^1
Beryllium				Nickel	J^3	
Cadmium		$J^{1,2}$		Potassium	J^4	
Calcium		J^1		Selenium		R^2
Chromium	A^1	J^1		Silver		
Copper		J^1		Sodium	$J^{1,2}$	
Cobalt				Thallium		
Iron		J^1		Vanadium	J^1	
Lead				Zinc	J^2	

If the field is left blank, the qualifier is A, accept all data.

A^1 - Accept data, but change positive result (where appropriate) to a revised detection limit because of blank contamination.

J^1 - Estimate "J", positive results or, "UJ", nondetects because negative concentrations were reported in the laboratory method blanks. Sample results are estimated due to poor instrument performance.

J^2 - Estimate "J", positive results due to ICP ICS interference as a result of high iron and/or calcium concentrations.

J^3 - Estimate "J", positive result because of high LCS results.

J^4 - Estimate "J", positive results because of high or low MS/MSD recovery.

R^1 - Reject, "R",nondetects as a result of suppression due to high iron and/or calcium concentrations.

R^2 - Reject, "R", nondetects as a result of ICV %R < 30%.

Brown & Root Environmental **INTERNAL MEMORANDUM**

TO: Karin Crandall DATE: August 23, 1994

FROM: Bernard J. Kuhn COPIES: File 2A56

SUBJECT: INORGANIC DATA VALIDATION
KIRTLAND AIR FORCE BASE, RFI DATA
CASE NO. KRT2B, SDG NO. ST253

SAMPLES: Soil: ST-253-01-0206

HALLIBURTON NUS Laboratories analyzed 5 soil samples for Target Analyte List (TAL) metals and Molybdenum by Inductively Coupled Plasma (ICP) method and for mercury by Cold Vapor method. This memorandum only addresses the evaluation of the one soil sample listed above since only ten percent of all data will be reviewed.

Data for these analyses were reviewed with reference to the EPA "Functional Guidelines for Inorganic Data Validation", the "Brooks Air Force Base IRP Handbook," and the Stage 2B Sampling and Analysis Plan, January 1993. The data were evaluated according to the following parameters:

- Data completeness
- Holding Times
- Calibrations
- * Blanks
- * ICP Interference Check Results
- Matrix Spike Recoveries
- Laboratory Duplicates
- * Field Duplicates
- Laboratory Control Sample Results
- Detection Limit Results
- Sample Results

The symbol (*) indicates that quality control criteria were not met for this parameter. Analysis of CRDL standards and ICP Serial dilutions are not contractually required, consequently, the sample data were not evaluated for these parameters. Problems affecting data usability are addressed below, and the attached Table 1 summarizes the data validation qualifications.

Blanks

Laboratory method quality control blank analyses yielded the following contaminants at the maximum concentrations indicated:

Contaminant	Maximum Concentration	Action Level* for soil samples (mg/kg)
Cobalt	10.0 ug/l	5.0
Copper[1]	1.0 ug/l	0.5
Sodium	12.3 mg/kg	61.5

* A 1 g to 100 ml sample digestion was employed for these soil samples.

[1] - A negative concentration was noted for this analyte.

Action levels of 5X these concentrations were used to evaluate the sample data. Sample weight, moisture content and dilution factors were taken into consideration prior to the application of all action levels. The positive result for cobalt less than the action level was qualified as undetected "U". No actions were taken for the remaining analytes since all sample concentrations of these analytes were nondetects or greater than the action levels.

Negative concentrations were reported for calcium, chromium, copper, iron, silver, and zinc in various laboratory method blanks. These occurrences are an indication of poor instrument performance (base-line fluctuations). Positive results and nondetects for these analytes are qualified as estimated, "J" and "UJ", respectively.

Interference Check Sample Results:

The interfering analyte calcium was present in one sample at a concentration which exceeded 50% of the respective concentration in the ICP solution for this analyte. Additionally, sodium, barium, copper, manganese, molybdenum, selenium, and zinc which were not supposed to be present in the ICS solution were detected in this solution at levels which exceeded two times (2X) the IDL. In addition, elevated positive results may exist for the other compounds as a results of interference stemming from high calcium concentrations. Positive results for copper, sodium, and zinc in the affected sample were qualified as estimated, "J". None of the other analytes were affected by interferences stemming from high calcium concentrations.

Furthermore, the nondetected result for molybdenum in the affected sample has been rejected, "R", as a result of suppression due to the high calcium concentration.

Field Duplicates:

The Relative Percent Difference (RPD) for the field duplicate result for barium was greater than 50% for the field duplicate pair. The positive result for barium was qualified as estimated "J" in the field duplicate pair.

No other problems were noted.

KIRTLAND AIR FORCE BASE
CASE NO. KRT2B, SDG NO. ST253
TABLE 1 - RECOMMENDATION SUMMARY

Aluminum			Magnesium		
Antimony			Manganese		
Arsenic			Mercury		
Barium		J^3	Molybdenum		R^1
Beryllium			Nickel		
Cadmium			Potassium		
Calcium		J^1	Selenium		
Chromium		J^1	Silver	J^1	
Copper		$J^{1,2}$	Sodium	J^2	
Cobalt	A^1		Thallium		
Iron		J^1	Vanadium		
Lead			Zinc	$J^{1,2}$	

If the field is left blank, the qualifier is A, accept all data.

A^1 - Accept data, but change positive result (where appropriate) to a revised detention limit because of blank contamination.

J^1 - Estimate "J", positive results or, "UJ", nondetects because negative concentrations were reported in the laboratory method blanks. Sample results are estimated due to poor instrument performance.

J^2 - Estimate "J", positive results due to ICP ICS interference as a result of high calcium concentrations.

J^3 - Estimate "J", positive results in the affected soil sample due to field duplicate imprecision.

R^1 - Reject, "R', nondetects as a result of suppression due to high calcium concentrations.

Brown & Root Environmental **INTERNAL MEMORANDUM**

TO: Karin Crandall **DATE:** August 23, 1994

FROM: Cheryle C. Lu **COPIES:** File 2A56

SUBJECT: **INORGANIC DATA VALIDATION**
KIRTLAND AIR FORCE BASE, RFI DATA
CASE NO. KRT2B, SDG NO. ST254

SAMPLES: Soil:

ST-254-01-0608, ST-254-01-1113, ST-254-04-0610, 254-05-1113

HALLIBURTON NUS Laboratories analyzed 11 soil samples and 1 water sample (equipment blank) for Target Analyte List (TAL) metals and Molybdenum by Inductively Coupled Plasma (ICP) method and for mercury by Cold Vapor method. This memorandum only addresses the evaluation of the three soil samples listed above since only ten percent of all data will be reviewed.

Data for these analyses were reviewed with reference to the EPA "Functional Guidelines for Inorganic Data Validation", the "Brooks Air Force Base IRP Handbook," and the Stage 2B Sampling and Analysis Plan, January 1993. The data were evaluated according to the following parameters:

- Data completeness
- Holding Times
- Calibrations
- * Blanks
- * ICP Interference Check Results
- * Matrix Spike Recoveries
- Laboratory Duplicates
- * Field Duplicates
- * Laboratory Control Sample Results
- Detection Limit Results
- Sample Results

The symbol (*) indicates that quality control criteria were not met for this parameter. Analysis of CRDL standards and ICP Serial dilutions are not contractually required, consequently, the sample data were not evaluated for these parameters. Problems affecting data usability are addressed below, and the attached Table 1 summarizes the data validation qualifications.

Blanks

Laboratory method blank analyses yielded the following contaminants at the maximum concentrations indicated:

Contaminant	Maximum Concentration	Action Level* for soil samples (mg/kg)
Aluminum[1]	24 ug/l	12
Arsenic	66 ug/l	33
Calcium[1]	42 ug/l	21
Copper[1]	1.0 ug/l	0.5
Iron[1]	2.5 mg/kg	12.5
Silver[1]	4 ug/l	2
Sodium[1]	99 ug/l	49.5
Selenium	76 ug/l	38
Vanadium[1]	0.5 mg/kg	2.5

* A 1 g to 100 ml sample digestion was employed for these soil samples.

[1] - A negative concentration was noted for this analyte.

Action levels of 5X these concentrations were used to evaluate the sample data. Sample weight, moisture content, and dilution factors were taken into consideration prior to the application of all action levels. Positive results for sodium less than the action level were qualified as undetected, "U". No actions were taken for the remaining analytes since all sample concentrations of these analytes were nondetects or greater than the action levels.

Negative concentrations were reported for aluminum, cadmium, calcium, chromium, copper, iron, nickel, sodium, silver and vanadium in various laboratory method blanks. These occurrences are an indication of poor instrument performance (base-line fluctuations). Positive results and nondetects for these analytes are qualified as estimated, "J" and "UJ", respectively.

Interference Check Sample Results:

The interfering analyte iron and/or calcium were present in four samples at concentrations which exceeded 50% of the respective concentration in the ICP solution for these analytes. Additionally, arsenic, sodium, barium, copper,

manganese, molybdenum, vanadium, and zinc which were not supposed to be present in the ICS solution were detected in this solution at levels which exceeded two times (2X) the IDL. In addition, elevated positive results may exist for the other compounds as a results of interference stemming from high iron and calcium concentrations. The positive results for copper, sodium, and/or zinc in the affected samples were qualified as estimated, "J". None of the other analytes were affected by interferences stemming from high iron and calcium concentrations.

Furthermore, nondetected results for arsenic and molybdenum in the affected samples have been rejected, "R", as a result of suppression due to the high iron and/or concentrations.

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Results:

The soil Matrix Spike/Matrix Spike Duplicate (MS/MSD) Percent Recoveries (%Rs) for potassium exceeded the upper quality control criteria. Positive results for potassium in the soil matrix were qualified as estimated "J" in the validated samples.

Laboratory Control Sample Results:

The solid LCS results for nickel were outside quality control limits for the soil matrix. Positive results for nickel in the validated samples were qualified as estimated, "J". Nondetects are not affected by high LCS results.

Field Duplicates:

The Relative Percent Difference (RPD) for the field duplicate result for sodium were greater than 50% for the field duplicate sample pair. Positive results for sodium in the field duplicates pair were qualified as estimated "J".

No other problems were noted.

KIRTLAND AIR FORCE BASE
CASE NO. KRT2B, SDG NO. ST254
TABLE 1 - RECOMMENDATION SUMMARY

Aluminum	J^1		Magnesium		
Antimony			Manganese	J^4	
Arsenic		R^1	Mercury		
Barium			Molybdenum		R^1
Beryllium			Nickel	$J^{1,4}$	
Cadmium	J^1		Potassium	J^3	
Calcium	J^1		Selenium		
Chromium	J^1		Silver	J^1	
Copper	$J^{1,2}$		Sodium	$J^{1,2,5}$	
Cobalt			Thallium		
Iron	J^1		Vanadium	J^1	
Lead			Zinc	J^2	

If the field is left blank, the qualifier is A, accept all data.

J^1 - Estimate "J", positive results or, "UJ", nondetects because negative concentrations were reported in the laboratory method blanks. Sample results are estimated due to poor instrument performance.

J^2 - Estimate "J", positive results due to ICP ICS interference as a result of high iron and/or calcium concentrations.

J^3 - Estimate "J", positive results as a of high MS/MSD recovery.

J^4 - Estimate "J", positive results because of high LCS results.

J^5 - Estimate "J", positive results in the affected soil samples due to field duplicate imprecision.

R^1 - Reject, "R", nondetects as a result of suppression due to high iron and/or calcium concentrations.

Brown & Root Environmental **INTERNAL MEMORANDUM**

TO: Karin Crandall **DATE:** August 23, 1994

FROM: Bernard J. Kuhn **COPIES:** File 2A56

SUBJECT: INORGANIC DATA VALIDATION
KIRTLAND AIR FORCE BASE, RFI DATA
CASE NO. KRT2B, SDG NO. ST256

SAMPLES: Soil: ST-256-01-0305, ST-256-02-0305

HALLIBURTON NUS Laboratories analyzed 4 soil samples for Target Analyte List (TAL) metals and molybdenum by Inductively Coupled Plasma (ICP) method and for mercury by Cold Vapor method. This memorandum only addresses the evaluation of one soil sample listed above since only ten percent of all data will be reviewed.

Data for these analyses were reviewed with reference to the EPA "Functional Guidelines for Inorganic Data Validation", the "Brooks Air Force Base IRP Handbook," and the Stage 2B Sampling and Analysis Plan, January 1993. The data were evaluated according to the following parameters:

- Data completeness
- Holding Times
- Calibrations
- * Blanks
- * ICP Interference Check Results
- Matrix Spike Recoveries
- Laboratory Duplicates
- * Laboratory Control Sample Results
- Detection Limit Results
- Sample Results

The symbol (*) indicates that quality control criteria were not met for this parameter. Analysis of CRDL standards and ICP Serial dilutions are not contractually required, consequently, the sample data were not evaluated for these parameters. Additionally, field duplicate results were not evaluated since the field duplicate pair was not reviewed during validation of this data package. Problems affecting data usability are addressed below, and the attached Table 1 summarizes the data validation qualifications.

Blanks

Laboratory method blank analyses yielded the following contaminants at the maximum concentrations indicated:

Contaminant	Maximum Concentration	Action Level* for soil samples (mg/kg)
Aluminum	54 ug/l	27
Antimony[1]	640 ug/l	320
Beryllium	2 ug/l	1
Calcium[1]	306 ug/l	153
Cadmium	5 ug/l	2.5
Chromium	12 ug/l	6.0
Cobalt	10 ug/l	5
Copper	0.3 mg/kg	1.5
Iron	3.4 mg/kg	17
Silver[1]	5 ug/l	2.5
Sodium	83 ug/l	41.5
Zinc	1.5 mg/kg	7.5

* A 1 g to 100 ml sample digestion was employed for these soil samples.

[1] - A negative concentration was noted for this analyte.

Action levels of 5X these concentrations were used to evaluate the sample data. Sample weight, moisture content and dilution factors were taken into consideration prior to the application of all action levels. The positive results for beryllium and cobalt less than the action level was qualified as undetected, "U". No actions were taken for the remaining analytes since all sample concentrations of these analytes were nondetects or greater than the action levels.

Negative concentrations were reported for antimony, selenium, silver and vanadium in various laboratory method blanks. These occurrences are an indication of poor instrument performance (base-line fluctuations). Positive results and nondetects for these analytes are qualified as estimated, "J" and "UJ", respectively. No actions were taken for silver since the nondetected result was rejected due to ICP interferences.

Interference Check Sample Results:

The interfering analyte calcium was present in two samples at concentrations which exceeded 50% of the respective concentration in the ICP solution for these analytes. Additionally, arsenic, sodium, barium, copper, manganese, molybdenum, and zinc which were not supposed to be present in the ICS solution were detected in this solution at levels which exceeded two times (2X) the IDL. In addition, elevated positive results may exist for the other compounds as a result of interference stemming from high calcium concentrations. Positive results for copper, sodium and zinc in the affected sample were qualified as estimated, "J". None of the other analytes were affected by interferences stemming from high calcium concentrations.

Furthermore, nondetected results for arsenic and molybdenum in the affected sample have been rejected, "R", as a result of suppression due to the high calcium concentration.

Laboratory Control Sample Results:

The solid LCS result for potassium was below the quality control limits for the soil matrix. In addition, the solid LCS result for silver exceeded quality control limits for the soil matrix. Positive results for potassium in the validated samples were qualified as estimated, "J". No actions were taken for silver since only nondetects were reported in the validated samples. Nondetects are not affected by high LCS results.

No other problems were noted.

KIRTLAND AIR FORCE BASE
CASE NO. KRT2B, SDG NO. ST256
TABLE 1 - RECOMMENDATION SUMMARY

Aluminum				Magnesium		
Antimony		J^1		Manganese		
Arsenic			R^1	Mercury		
Barium				Molybdenum		R^1
Beryllium	A^1			Nickel		
Cadmium				Potassium	J^2	
Calcium				Selenium	J^1	
Chromium				Silver	J^1	
Copper		J^3		Sodium	J^3	
Cobalt	A^1			Thallium		
Iron				Vanadium	J^1	
Lead				Zinc	J^3	

If the field is left blank, the qualifier is A, accept all data.

A^1 - Accept data, but change positive result (where appropriate) to a revised detection limit because of blank contamination.

J^1 - Estimate "J", positive results or, "UJ", nondetects because negative concentrations were reported in the laboratory method blanks. Sample results are estimated due to poor instrument performance.

J^2 - Estimate "J", positive results because of low LCS results.

J^3 - Estimate "J", positive results due to ICP ICS interference as a result of high calcium concentrations.

R^1 - Reject, "R", nondetects as a result of suppression due to high iron and calcium concentrations.

Brown & Root Environmental **INTERNAL MEMORANDUM**

TO: Karin Crandall **DATE:** August 23, 1994

FROM: Bernard J. Kuhn **COPIES:** File 2A56

SUBJECT: **INORGANIC DATA VALIDATION**
KIRTLAND AIR FORCE BASE, RFI DATA
CASE NO. KRT2B, SDG NO. ST257

SAMPLES: Soil: ST-257-02-0307

HALLIBURTON NUS Laboratories analyzed 7 soil samples and 1 water sample (equipment blank) for Target Analyte List (TAL) metals and Molybdenum by Inductively Coupled Plasma (ICP) method and for mercury by Cold Vapor method. This memorandum only addresses the evaluation of one soil sample listed above since only ten percent of all data will be reviewed.

Data for these analyses were reviewed with reference to the EPA "Functional Guidelines for Inorganic Data Validation", the "Brooks Air Force Base IRP Handbook," and the Stage 2B Sampling and Analysis Plan, January 1993. The data were evaluated according to the following parameters:

- Data completeness
- Holding Times
- Calibrations
- * Blanks
- * ICP Interference Check Results
- * Matrix Spike Recoveries
- Laboratory Duplicates
- * Laboratory Control Sample Results
- Detection Limit Results
- Sample Results

The symbol (*) indicates that quality control criteria were not met for this parameter. Analysis of CRDL standards and ICP Serial dilutions are not contractually required, consequently, the sample data were not evaluated for these parameters. Additionally, field duplicate results were not evaluated since the field duplicate pair was not reviewed during validation of this data package. Problems affecting data usability are addressed
below, and the attached Table 1 summarizes the data validation qualifications.

Action levels of 5X these concentrations were used to evaluate the sample data. Sample weight, moisture content and dilution factors were taken into consideration prior to the application of all action levels. Positive results for beryllium and nickel less than the action level were qualified as undetected, "U". No actions were taken for the remaining analytes since all sample concentrations of these analytes were nondetects or greater than the action levels.

Negative concentrations were reported for antimony, selenium, silver, and vanadium in various laboratory method blanks. These occurrences are an indication of poor instrument performance (base-line fluctuations). Positive results (not affected by the previously discussed action levels) and nondetects for these analytes are qualified as estimated, "J" and "UJ", respectively.

Interference Check Sample Results:

The interfering analyte calcium was present in one sample at a concentration which exceeded 50% of the respective concentration in the ICP solution for this analyte. Additionally, arsenic, sodium, barium, copper, manganese, molybdenum, vanadium, and zinc which were not supposed to be present in the ICS solution were detected in this solution at levels which exceeded two times (2X) the IDL. In addition, elevated positive results may exist for the other compounds as a results of interference stemming from high calcium concentrations. The positive results for copper, sodium, and zinc in the affected sample were qualified as estimated, "J". None of the other analytes were affected by interferences stemming from high calcium concentrations.

Furthermore, nondetected results for arsenic and molybdenum in the affected sample have been rejected, "R", as a result of suppression due to the high calcium concentration.

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Results:

The soil Matrix Spike/Matrix Spike Duplicate (MS/MSD) Percent Recoveries (%Rs) for copper exceeded the upper quality control criteria. The positive result for copper in the soil matrix was qualified as estimated "J" in the validated sample.

Laboratory Control Sample Results:

The solid LCS results for silver and potassium were outside quality control limits for the soil matrix. Positive results for silver and potassium were qualified as estimated, "J" in the validated sample.

No other problems were noted.

KIRTLAND AIR FORCE BASE
CASE NO. KRT2B, SDG NO. ST257
TABLE 1 - RECOMMENDATION SUMMARY

Aluminum				Magnesium			
Antimony		J^1		Manganese			
Arsenic			R^1	Mercury			
Barium				Molybdenum			R^1
Beryllium	A^1			Nickel	A^1		
Cadmium				Potassium		J^4	
Calcium				Selenium		J^1	
Chromium				Silver		$J^{1,4}$	
Copper		$J^{2,3}$		Sodium		J^2	
Cobalt				Thallium			
Iron				Vanadium		J^1	
Lead				Zinc		J^2	

If the field is left blank, the qualifier is A, accept all data.

A^1 - Accept data, but change positive result (where appropriate) to a revised detection limit because of blank contamination.

J^1 - Estimate "J", positive results or, "UJ", nondetects because negative concentrations were reported in the laboratory method blanks. Sample results are estimated due to poor instrument performance.

J^2 - Estimate "J", positive results due to ICP ICS interference as a result of high calcium concentrations.

J^3 - Estimate "J", positive results as a result of high MS/MSD recovery.

J^4 - Estimate "J", positive results because of high LCS results.

R^1 - Reject, "R", nondetects as a result of suppression due to high calcium concentrations.

Brown & Root Environmental **INTERNAL MEMORANDUM**

TO: Karin Crandall DATE: August 20, 1994

FROM: Cheryle C. Lu COPIES: File 2A56

SUBJECT: INORGANIC DATA VALIDATION
KIRTLAND AIR FORCE BASE, RFI DATA
CASE NO. KRT2B, SDG NO. ST258

SAMPLES: Soil: ST-258-01-0305

HALLIBURTON NUS Laboratories analyzed 4 soil samples for Target Analyte List (TAL) metals and Molybdenum by Inductively Coupled Plasma (ICP) method and for mercury by Cold Vapor method. This memorandum only addresses the evaluation of the one soil samples listed above since only ten percent of all data will be reviewed.

Data for these analyses were reviewed with reference to the EPA "Functional Guidelines for Inorganic Data Validation", the "Brooks Air Force Base IRP Handbook," and the Stage 2B Sampling and Analysis Plan, January 1993. The data were evaluated according to the following parameters:

- Data completeness
- Holding Times
- Calibrations
- * Blanks
- * ICP Interference Check Results
- Matrix Spike Recoveries
- Laboratory Duplicates
- * Laboratory Control Sample Results
- Detection Limit Results
- Sample Results

The symbol (*) indicates that quality control criteria were not met for this parameter. Analysis of CRDL standards and ICP Serial dilutions are not contractually required, consequently, the sample data were not evaluated for these parameters. Additionally, field duplicate results were not evaluated since the field duplicate pair was not reviewed during validation of this data package. Problems affecting data usability are addressed below, and the attached Table 1 summarizes the data validation qualifications.

Blanks

Laboratory method and field quality control blank analyses yielded the following contaminants at the maximum concentrations indicated:

Contaminant	Maximum Concentration	Action Level* for soil samples (mg/kg)
Aluminum	54 ug/l	27
Beryllium	2 ug/l	1
Calcium	306 ug/l	153
Chromium	12 ug/l	6
Cobalt	10 ug/l	5
Copper	0.2 mg/kg	1
Iron	3.4 mg/kg	17
Silver	5 ug/l	2.5
Sodium	33 ug/l	16.5

* A 1 g to 100 ml sample digestion was employed for these soil samples.

Action levels of 5X these concentrations were used to evaluate the sample data. Sample weight, moisture content and dilution factors were taken into consideration prior to the application of all action levels. Positive results for beryllium, cobalt, and chromium less than the action level were qualified as undetected, "U". No actions were taken for the remaining analytes since all sample concentrations of these analytes were nondetects or greater than the action levels.

Negative concentrations were reported for selenium and vanadium in various laboratory method blanks. These occurrences are an indication of poor instrument performance (base-line fluctuations). Positive results and nondetects for these analytes are qualified as estimated, "J" and "UJ", respectively.

Interference Check Sample Results:

The interfering analyte calcium was present in one sample at a concentration which exceeded 50% of the respective concentration in the ICP solution for this analyte. Additionally, arsenic, sodium, barium, copper, manganese, molybdenum, and zinc which were not supposed to be present in the ICS solution were detected in this solution at levels which exceeded two times (2X) the IDL. In addition, elevated positive results may exist for the other compounds as a results of interference

stemming from high calcium concentrations. Positive results for copper, sodium, and zinc in the affected sample were qualified as estimated, "J". None of the other analytes were affected by interferences stemming from high calcium concentrations.

Furthermore, nondetected results for arsenic and molybdenum in the affected sample have been rejected, "R", as a result of suppression due to the high calcium concentration.

Laboratory Control Sample Results:

The solid LCS result for potassium was outside quality control limits for the soil matrix. The positive result for potassium was qualified as estimated, "J" in the validated sample.

No other problems were noted.

KIRTLAND AIR FORCE BASE
CASE NO. KRT2B, SDG NO. ST258
TABLE 1 - RECOMMENDATION SUMMARY

Aluminum				Magnesium			
Antimony				Manganese			
Arsenic			R^1	Mercury			
Barium				Molybdenum			R^1
Beryllium	A^1			Nickel			
Cadmium				Potassium	J^3		
Calcium				Selenium	J^1		
Chromium	A^1			Silver			
Copper		J^2		Sodium	J^2		
Cobalt	A^1			Thallium			
Iron				Vanadium	J^1		
Lead				Zinc	J^2		

If the field is left blank, the qualifier is A, accept all data.

A^1 - Accept data, but change positive result (where appropriate) to a revised detection limit because of blank contamination.

J^1 - Estimate "J", positive results or, "UJ", nondetects because negative concentrations were reported in the laboratory method blanks. Sample results are estimated due to poor instrument performance.

J^2 - Estimate "J", positive results due to ICP ICS interference as a result of high calcium concentrations.

J^3 - Estimate "J", positive result because of low LCS results.

R^1 - Reject, "R", nondetects as a result of suppression due to high calcium concentrations.

Brown & Root Environmental **INTERNAL MEMORANDUM**

TO: Karin Crandall **DATE:** August 21, 1994

FROM: Cheryle C. Lu **COPIES:** File 2A56

SUBJECT: **INORGANIC DATA VALIDATION**
KIRTLAND AIR FORCE BASE, RFI DATA
CASE NO. KRT2B, SDG NO. ST260

SAMPLES: Soil: ST-260-01-1014, ST-260-02-1014

HALLIBURTON NUS Laboratories analyzed 4 soil samples and 1 water sample (equipment blank) for Target Analyte List (TAL) metals and Molybdenum by Inductively Coupled Plasma (ICP) method and for mercury by Cold Vapor method. This memorandum only addresses the evaluation of the two soil samples listed above since only ten percent of all data will be reviewed.

Data for these analyses were reviewed with reference to the EPA "Functional Guidelines for Inorganic Data Validation", the "Brooks Air Force Base IRP Handbook," and the Stage 2B Sampling and Analysis Plan, January 1993. The data were evaluated according to the following parameters:

- Data completeness
- Holding Times
- Calibrations
- * Blanks
- * ICP Interference Check Results
- * Matrix Spike Recoveries
- Laboratory Duplicates
- * Laboratory Control Sample Results
- Detection Limit Results
- Sample Results

The symbol (*) indicates that quality control criteria were not met for this parameter. Analysis of CRDL standards and ICP Serial dilutions are not contractually required, consequently, the sample data were not evaluated for these parameters. Additionally, field duplicate results were not evaluated since the field duplicate pair was not reviewed during validation of this data package. Problems affecting data usability are addressed below, and the attached Table 1 summarizes the data validation qualifications.

Blanks

Laboratory method and field quality control blank analyses yielded the following contaminants at the maximum concentrations indicated:

Contaminant	Maximum Concentration	Action Level* for soil samples (mg/kg)
Aluminum	86 ug/l	43
Beryllium	2 ug/l	1
Calcium	263 mg/kg	1315
Chromium	12 ug/l	6
Copper[2]	38 ug/l	19
Iron	3.9 mg/kg	19.5
Silver	5 ug/l	2.5
Sodium	576 ug/l	288
Zinc	4.1 mg/kg	20.5

* A 1 g to 100 ml sample digestion was employed for these soil samples.

[1] - A negative concentration was noted for this analyte.
[2] - Maximum concentration of contaminant found in field quality control blank.

Action levels of 5X these concentrations were used to evaluate the sample data. Sample weight, moisture content and dilution factors were taken into consideration prior to the application of all action levels. Positive results for silver, beryllium, chromium, and sodium less than the action levels were qualified as undetected, "U". No actions were taken for the remaining analytes since all sample concentrations of these analytes were nondetects or greater than the action levels.

Negative concentrations were reported for selenium and vanadium in various laboratory method blanks. These occurrences are an indication of poor instrument performance (base-line fluctuations). Positive results and nondetects for these analytes are qualified as estimated, "J" and "UJ", respectively.

Interference Check Sample Results:

The interfering analyte iron was present in one sample at a concentration which exceeded 50% of the respective concentration in the ICP solution for this analyte. Additionally, arsenic, sodium, barium, copper, manganese, molybdenum, and zinc

which were not supposed to be present in the ICS solution were detected in this solution at levels which exceeded two times (2X) the IDL. In addition, elevated positive results may exist for the other compounds as a results of interference stemming from high iron concentrations. Positive results for copper and zinc in the affected sample was qualified as estimated, "J". No action was necessary for sodium since this result in the affected sample was qualified as a result of blank contamination. None of the other analytes were affected by interferences stemming from high iron concentrations.

Furthermore, nondetected results for arsenic and molybdenum in the affected sample have been rejected, "R", as a result of suppression due to the high iron concentration.

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Results:

The soil Matrix Spike/Matrix Spike Duplicate (MS/MSD) Percent Recoveries (%Rs) for manganese and potassium exceeded the upper quality control criteria. Positive results for manganese and potassium in the soil matrix were qualified as estimated "J".

Laboratory Control Sample Results:

The solid LCS results for aluminum, mercury, and zinc were outside quality control limits for the soil matrix. Positive results for aluminum and zinc were qualified as estimated, "J" in the validated sample. No actions were taken for mercury because only nondetected results were reported for mercury in the validated samples.

No other problems were noted.

KIRTLAND AIR FORCE BASE
CASE NO. KRT2B, SDG NO. ST260
TABLE 1 - RECOMMENDATION SUMMARY

Aluminum		J^3		Magnesium			
Antimony				Manganese	J^4		
Arsenic			R^1	Mercury			
Barium				Molybdenum			R^1
Beryllium	A^1			Nickel			
Cadmium				Potassium	J^4		
Calcium				Selenium	J^1		
Chromium	A^1			Silver	A^1		
Copper		J^2		Sodium	A^1		
Cobalt				Thallium			
Iron				Vanadium	J^1		
Lead				Zinc	$J^{2,3}$		

If the field is left blank, the qualifier is A, accept all data.

A^1 - Accept data, but change positive result (where appropriate) to a revised detection limit because of blank contamination.

J^1 - Estimate "J", positive results or, "UJ", nondetects because negative concentrations were reported in the laboratory method blanks. Sample results are estimated due to poor instrument performance.

J^2 - Estimate "J", positive results due to ICP ICS interference as a result of high iron concentrations.

J^3 - Estimate "J", positive result because of low LCS results.

J^4 - Estimate "J", positive results as a result of high MS/MSD recovery.

R^1 - Reject, "R",nondetects as a result of suppression due to high iron concentrations.

Brown & Root Environmental **INTERNAL MEMORANDUM**

TO: Karin Crandall **DATE:** August 21, 1994

FROM: Cheryle C. Lu **COPIES:** File 2A56

SUBJECT: **INORGANIC DATA VALIDATION**
KIRTLAND AIR FORCE BASE, RFI DATA
CASE NO. KRT2B, SDG NO. ST261

SAMPLES: Soil: ST-261-01-0810, ST-261-02-0305

HALLIBURTON NUS Laboratories analyzed 4 soil samples for Target Analyte List (TAL) metals and Molybdenum by Inductively Coupled Plasma (ICP) method and for mercury by Cold Vapor method. This memorandum only addresses the evaluation of the two soil samples listed above since only ten percent of all data will be reviewed.

Data for these analyses were reviewed with reference to the EPA "Functional Guidelines for Inorganic Data Validation", the "Brooks Air Force Base IRP Handbook," and the Stage 2B Sampling and Analysis Plan, January 1993. The data were evaluated according to the following parameters:

- Data completeness
- Holding Times
- Calibrations
- * Blanks
- * ICP Interference Check Results
- Matrix Spike Recoveries
- Laboratory Duplicates
- * Laboratory Control Sample Results
- Detection Limit Results
- Sample Results

The symbol (*) indicates that quality control criteria were not met for this parameter. Analysis of CRDL standards and ICP Serial dilutions are not contractually required, consequently, the sample data were not evaluated for these parameters. Additionally, field duplicate results were not evaluated since the field duplicate pair was not reviewed during validation of this data package. Problems affecting data usability are addressed below, and the attached Table 1 summarizes the data validation qualifications.

Blanks

Laboratory method and field quality control blank analyses yielded the following contaminants at the maximum concentrations indicated:

Contaminant	Maximum Concentration	Action Level* for soil samples (mg/kg)
Aluminum	54 ug/l	27
Beryllium	2 ug/l	1
Calcium	46 ug/l	23
Chromium	12 ug/l	6
Cobalt	10 ug/l	5.0
Copper	0.2 mg/kg	1
Iron	3.9 mg/kg	19.5
Silver	5 ug/l	2.5
Sodium	33 ug/l	16.5
Zinc	1.3 mg/kg	6.5

* A 1 g to 100 ml sample digestion was employed for these soil samples.

Action levels of 5X these concentrations were used to evaluate the sample data. Sample weight, moisture content and dilution factors were taken into consideration prior to the application of all action levels. Positive results for beryllium, cobalt, chromium, and silver less than the action levels were qualified as undetected, "U". No actions were taken for the remaining analytes since all sample concentrations of these analytes were nondetects or greater than the action levels.

Negative concentrations were reported for selenium and vanadium in various laboratory method blanks. These occurrences are an indication of poor instrument performance (base-line fluctuations). Positive results and nondetects for these analytes are qualified as estimated, "J" and "UJ", respectively.

Interference Check Sample Results:

The interfering analyte calcium was present in one sample at a concentration which exceeded 50% of the respective concentration in the ICP solution for this analyte. Additionally, arsenic, sodium, barium, copper, manganese, molybdenum, and zinc which were not supposed to be present in the ICS solution were detected in this

solution at levels which exceeded two times (2X) the IDL. In addition, elevated positive results may exist for the other compounds as a results of interference stemming from high calcium concentrations. Positive results for copper, sodium, and zinc in the affected sample was qualified as estimated, "J". None of the other analytes were affected by interferences stemming from high iron concentrations.

Furthermore, nondetected results for arsenic and molybdenum in the affected sample have been rejected, "R", as a result of suppression due to the high calcium concentration.

Laboratory Control Sample Results:

The solid LCS results for aluminum, mercury, and potassium were outside quality control limits for the soil matrix. Positive results for aluminum and potassium were qualified as estimated, "J" in the validated samples. No actions were taken for mercury because only nondetects were reported for this analyte in the validated samples. Nondetects are not affected by this noncompliance.

No other problems were noted.

KIRTLAND AIR FORCE BASE
CASE NO. KRT2B, SDG NO. ST261
TABLE 1 - RECOMMENDATION SUMMARY

Aluminum		J^3		Magnesium			
Antimony				Manganese			
Arsenic			R^1	Mercury			
Barium				Molybdenum			R^1
Beryllium	A^1			Nickel			
Cadmium				Potassium		J^3	
Calcium				Selenium		J^1	
Chromium	A^1			Silver	A^1		
Copper		J^2		Sodium		J^2	
Cobalt	A^1			Thallium			
Iron				Vanadium		J^1	
Lead				Zinc		J^2	

If the field is left blank, the qualifier is A, accept all data.

A^1 - Accept data, but change positive result (where appropriate) to a revised detection limit because of blank contamination.

J^1 - Estimate "J", positive results or, "UJ", nondetects because negative concentrations were reported in the laboratory method blanks. Sample results are estimated due to poor instrument performance.

J^2 - Estimate "J", positive results due to ICP ICS interference as a result of high calcium concentrations.

J^3 - Estimate "J", positive result because of low LCS results.

R^1 - Reject, "R",nondetects as a result of suppression due to high calcium concentrations.

Brown & Root Environmental **INTERNAL MEMORANDUM**

TO: Karin Crandall **DATE:** August 16, 1994

FROM: Cheryle C. Lu **COPIES:** File 2A56

SUBJECT: **INORGANIC DATA VALIDATION**
KIRTLAND AIR FORCE BASE, RFI DATA
CASE NO. KRT2B, SDG NO. ST263

SAMPLES: Soil: ST-263-03-0812.

HALLIBURTON NUS Laboratories analyzed 11 soil samples and 2 water samples (equipment blank) for Target Analyte List (TAL) metals and Molybdenum by Inductively Coupled Plasma (ICP) method and for mercury by Cold Vapor method. This memorandum only addresses the evaluation of the one soil sample listed above since only ten percent of all data will be reviewed.

Data for these analyses were reviewed with reference to the EPA "Functional Guidelines for Inorganic Data Validation", the "Brooks Air Force Base IRP Handbook," and the Stage 2B Sampling and Analysis Plan, January 1993. The data were evaluated according to the following parameters:

- Data completeness
- Holding Times
- * Calibrations
- * Blanks
- * ICP Interference Check Results
- * Matrix Spike Recoveries
- Laboratory Duplicates
- * Laboratory Control Sample Results
- Detection Limit Results
- Sample Results

The symbol (*) indicates that quality control criteria were not met for this parameter. Analysis of CRDL standards and ICP Serial dilutions are not contractually required, consequently, the sample data were not evaluated for these parameters. Additionally, field duplicate results were not evaluated since the field duplicate pair was not reviewed during validation of this data package. Problems affecting data usability are addressed below, and the attached Table 1 summarizes the data validation qualifications.

Calibrations

One Continuing Calibration Verification (CCV) Percent Recovery (%R) for sodium was below the lower (90%) quality control limits. The positive result for sodium in the validated sample was qualified as estimated, "J".

Blanks

Laboratory method and field quality control blank analyses yielded the following contaminants at the maximum concentrations indicated:

Contaminant	Maximum Concentration	Action Level* for soil samples (mg/kg)
Calcium[1]	40 ug/l	20
Chromium[1]	1.5 mg/kg	7.5
Cobalt[1]	10 ug/l	5.0
Copper[1,2]	13 ug/l	6.5
Iron[1]	11 ug/l	5.5
Sodium[1]	12.3 mg/kg	61.5
Vanadium	6 ug/l	3.0
Zinc[1]	7 ug/l	3.5

* A 1 g to 100 ml sample digestion was employed for these soil samples.

[1] - A negative concentration was noted for this analyte.
[2] - Maximum concentration of contaminant found in field quality control blank.

Action levels of 5X these concentrations were used to evaluate the sample data. Sample weight, moisture content and dilution factors were taken into consideration prior to the application of all action levels. No actions were taken since all sample concentrations of these analytes were greater than the action levels.

Negative concentrations were reported for aluminum, chromium, lead, calcium, cobalt, copper, iron, selenium, silver, sodium and zinc in various laboratory method blanks. These occurrences are an indication of poor instrument performance (base-line fluctuations). Positive results and nondetects for these analytes are qualified as estimated, "J" and "UJ", respectively.

Interference Check Sample Results:

The interfering analytes iron and calcium were present in one sample at concentrations which exceeded 50% of the respective concentrations in the ICP solution for these analytes. Additionally, arsenic, sodium, copper, manganese, molybdenum, and zinc which were not supposed to be present in the ICS solution were detected in this solution at levels which exceeded two times (2X) the IDL. In addition, elevated positive results may exist for the other compounds as a results of interference stemming from high iron and calcium concentrations. Positive results for sodium and zinc in the affected sample were qualified as estimated, "J". None of the other analytes were affected by interferences stemming from high iron and calcium concentrations.

Furthermore, nondetected result for arsenic and molybdenum in the affected sample have been rejected, "R", as a result of suppression due to the high iron and calcium concentrations.

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Results:

The soil Matrix Spike/Matrix Spike Duplicate (MS/MSD) Percent Recoveries (%Rs) for manganese and potassium exceeded the upper quality control criteria. Positive results for manganese and potassium in the soil matrix were qualified as estimated "J".

Laboratory Control Sample Results:

The solid LCS results for aluminum were outside quality control limits for the soil matrix. The positive result for aluminum was qualified as estimated, "J".

No other problems were noted.

KIRTLAND AIR FORCE BASE
CASE NO. KRT2B, SDG NO. ST263
TABLE 1 - RECOMMENDATION SUMMARY

Aluminum	$J^{1,3}$		Magnesium		
Antimony			Manganese	J^{2}	
Arsenic		R^{1}	Mercury		
Barium			Molybdenum		R^{1}
Beryllium			Nickel		
Cadmium			Potassium	J^{2}	
Calcium	J^{1}		Selenium	J^{1}	
Chromium	J^{1}		Silver	J^{1}	
Copper	J^{1}		Sodium	$J^{1,4,5}$	
Cobalt	J^{1}		Thallium		
Iron	J^{1}		Vanadium		
Lead	J^{1}		Zinc	$J^{1,4}$	

If the field is left blank, the qualifier is A, accept all data.

J^{1} - Estimate "J", positive results or, "UJ", nondetects because negative concentrations were reported in the laboratory method blanks. Sample results are estimated due to poor instrument performance.

J^{2} - Estimate "J", positive results because of high MS/MSD recovery.

J^{3} - Estimate "J", positive result because of high solid LCS results.

J^{4} - Estimate "J", positive results due to ICP ICS interference as a result of high iron and calcuim concentrations.

J^{5} - Estimate, "J", positive result because of low a continuing calibration recovery.

R^{1} - Reject, "R",nondetects as a result of suppression due to high iron and calcium concentrations.

Brown & Root Environmental **INTERNAL MEMORANDUM**

TO: Karin Crandall **DATE:** August 23, 1994

FROM: Bernard J. Kuhn **COPIES:** File 2A56

SUBJECT: **INORGANIC DATA VALIDATION**
KIRTLAND AIR FORCE BASE, RFI DATA
CASE NO. KRT2B, SDG NO. ST264

SAMPLES: Soil: ST-264-03-0709.

HALLIBURTON NUS Laboratories analyzed 6 soil samples and 2 water samples (equipment blanks) for Target Analyte List (TAL) metals and Molybdenum by Inductively Coupled Plasma (ICP) method and for mercury by Cold Vapor method. This memorandum only addresses the evaluation of the one soil sample listed above since only ten percent of all data will be reviewed.

Data for these analyses were reviewed with reference to the EPA "Functional Guidelines for Inorganic Data Validation", the "Brooks Air Force Base IRP Handbook," and the Stage 2B Sampling and Analysis Plan, January 1993. The data were evaluated according to the following parameters:

- Data completeness
- Holding Times
- Calibrations
- * Blanks
- * ICP Interference Check Results
- * Matrix Spike Recoveries
- Laboratory Duplicates
- * Laboratory Control Sample Results
- Detection Limit Results
- Sample Results

The symbol (*) indicates that quality control criteria were not met for this parameter. Analysis of CRDL standards and ICP Serial dilutions are not contractually required, consequently, the sample data were not evaluated for these parameters. Additionally, field duplicate results were not evaluated since the field duplicate pair was not reviewed during validation of this data package. Problems affecting data usability are addressed below, and the attached Table 1 summarizes the data validation qualifications.

Blanks

Laboratory method and field quality control blank analyses yielded the following contaminants at the maximum concentrations indicated:

Contaminant	Maximum Concentration	Action Level* for soil samples (mg/kg)
Aluminum	42 ug/l	21
Antimony	640 ug/l	320
Beryllium	2.0 ug/l	1.0
Barium	2 ug/l	1
Cadmium	5.0 ug/l	2.5
Calcium[2]	9.0 mg/kg	45
Chromium	1.8 mg/kg	9.0
Copper[1]	11 ug/l	5.5
Iron	3.4 mg/kg	17
Silver[1]	4 ug/l	2
Sodium	83 ug/l	41.5
Vanadium[1]	5 ug/l	2.5
Zinc[1]	12 ug/l	6

* A 1 g to 100 ml sample digestion was employed for these soil samples.

[1] - A negative concentration was noted for this analyte.

Action levels of 5X these concentrations were used to evaluate the sample data. Sample weight, moisture content and dilution factors were taken into consideration prior to the application of all action levels. Positive results for beryllium and cadmium less than the action level were qualified as undetected, "U". No actions were taken for the remaining analytes since all sample concentrations of these analytes were nondetects or greater than the action levels.

Negative concentrations were reported for antimony, copper, zinc, silver and vanadium in various laboratory method blanks. These occurrences are an indication of poor instrument performance (base-line fluctuations). Positive results and nondetects for these analytes are qualified as estimated, "J" and "UJ", respectively.

Interference Check Sample Results:

The ICP ICS Percent Recovery (%R) for silver in solution AB exceeded quality control criteria. No action was necessary since only a nondetect was reported in the validated sample. Nondetects are not affected by this high recovery.

The interfering analytes iron and calcium were present in the sample at a concentration which exceeded 50% of the respective concentration in the ICP solution for these analytes. Additionally, arsenic, sodium, barium, copper, manganese, molybdenum, thallium and zinc which were not supposed to be present in the ICS solution were detected in this solution at levels which exceeded two times (2X) the IDL. In addition, elevated positive results may exist for the other compounds as a results of interference stemming from high iron and calcium concentrations. Positive results for manganese, sodium and zinc in the affected sample were qualified as estimated, "J". None of the other analytes were affected by interferences stemming from high iron and calcium concentrations.

Furthermore, nondetected results for arsenic, thallium and molybdenum in the affected samples have been rejected, "R", as a result of suppression due to the high iron and calcium concentrations.

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Results:

The soil Matrix Spike/Matrix Spike Duplicate (MS/MSD) Percent Recoveries (%Rs) for barium exceeded the upper quality control criteria. Positive results for barium in the soil matrix were qualified as estimated "J".

Laboratory Control Sample Results:

The solid LCS results for aluminum Barium, cadmium, cooper, magnesium, chromium, nickel and silver were outside quality control limits for the soil matrix. Positive results for these analytes (not previously qualified due to blank contamination) were qualified as estimated, "J" in the validated sample.

No other problems were noted.

KIRTLAND AIR FORCE BASE
CASE NO. KRT2B, SDG NO. ST264
TABLE 1 - RECOMMENDATION SUMMARY

Aluminum		J^4		Magnesium	J^4	
Antimony		J^1		Manganese	J^2	
Arsenic			R^1	Mercury		
Barium		$J^{3,4}$		Molybdenum		R^1
Beryllium	A^1			Nickel	J^4	
Cadmium	A^1			Potassium		
Calcium				Selenium		
Chromium		J^4		Silver	J^1	
Copper		$J^{1,4}$		Sodium	J^2	
Cobalt				Thallium		R^1
Iron				Vanadium	J^1	
Lead				Zinc	$J^{1,2}$	

If the field is left blank, the qualifier is A, accept all data.

A^1 - Accept data, but change positive result (where appropriate) to a revised detection limit because of blank contamination.

J^1 - Estimate "J", positive results or, "UJ", nondetects because negative concentrations were reported in the laboratory method blanks. Sample results are estimated due to poor instrument performance.

J^2 - Estimate "J", positive results due to ICP ICS interference as a result of high iron and calcium concentrations.

J^3 - Estimate "J", positive results because of high MS/MSD recovery.

J^4 - Estimate "J", positive result because of high LCS results.

R^1 - Reject, "R", nondetects as a result of suppression due to high iron and calcium concentrations.

Brown & Root Environmental **INTERNAL MEMORANDUM**

TO: Karin Crandall **DATE:** August 22, 1994

FROM: Cheryle C. Lu **COPIES:** File 2A56

SUBJECT: **INORGANIC DATA VALIDATION**
KIRTLAND AIR FORCE BASE, RFI DATA
CASE NO. KRT2B, SDG NO. ST266

SAMPLES: Soil: ST-266-03-0608

HALLIBURTON NUS Laboratories analyzed 13 soil samples and 2 water samples (equipment blank) for Target Analyte List (TAL) metals and Molybdenum by Inductively Coupled Plasma (ICP) method and for mercury by Cold Vapor method. This memorandum only addresses the evaluation of the one soil sample listed above since only ten percent of all data will be reviewed.

Data for these analyses were reviewed with reference to the EPA "Functional Guidelines for Inorganic Data Validation", the "Brooks Air Force Base IRP Handbook," and the Stage 2B Sampling and Analysis Plan, January 1993. The data were evaluated according to the following parameters:

- Data completeness
- Holding Times
- Calibrations
- * Blanks
- * ICP Interference Check Results
- Matrix Spike Recoveries
- Laboratory Duplicates
- * Laboratory Control Sample Results
- Detection Limit Results
- Sample Results

The symbol (*) indicates that quality control criteria were not met for this parameter. Analysis of CRDL standards and ICP Serial dilutions are not contractually required, consequently, the sample data were not evaluated for these parameters. Additionally, field duplicate results were not evaluated since the field duplicate pair was not reviewed during validation of this data package. Problems affecting data usability are addressed below, and the attached Table 1 summarizes the data validation qualifications.

Blanks

Laboratory method and field quality control blank analyses yielded the following contaminants at the maximum concentrations indicated:

Contaminant	Maximum Concentration	Action Level* for soil samples (mg/kg)
Aluminum	86 ug/l	43
Beryllium	2 ug/l	1
Calcium	306 ug/l	153
Chromium	12 ug/l	6
Copper	10 ug/l	5
Iron	3.9 mg/kg	19.5
Magnesium[1]	90 ug/l	45
Silver	5 ug/l	2.5
Sodium	576 ug/l	288
Zinc	1.3 mg/kg	6.5

* A 1 g to 100 ml sample digestion was employed for these soil samples.

[1] - Maximum concentration of contaminant found in field quality control blank.

Action levels of 5X these concentrations were used to evaluate the sample data. Sample weight, moisture content and dilution factors were taken into consideration prior to the application of all action levels. Positive results for beryllium, cobalt, and sodium less than the action levels were qualified as undetected, "U". No actions were taken for the remaining analytes since all sample concentrations of these analytes were nondetects or greater than the action levels.

Negative concentrations were reported for selenium and vanadium in various laboratory method blanks. These occurrences are an indication of poor instrument performance (base-line fluctuations). Positive results and nondetects for these analytes are qualified as estimated, "J" and "UJ", respectively in the validated sample.

Interference Check Sample Results:

The interfering analyte calcium was present in one sample at a concentration which exceeded 50% of the respective concentration in the ICP solution for this analyte. Additionally, arsenic, sodium, barium, copper, manganese, molybdenum, and zinc which were not supposed to be present in the ICS solution were detected in this solution at levels which exceeded two times (2X) the IDL. In addition, elevated positive results may exist for the other compounds as a results of interference stemming from high calcium concentrations. Positive results for copper and zinc in the affected sample were qualified as estimated, "J". No action was necessary for sodium since this result in the affected sample was qualified as a result of blank contamination. None of the other analytes were affected by interferences stemming from high calcium concentrations.

Furthermore, nondetected results for arsenic and molybdenum in the affected sample have been rejected, "R", as a result of suppression due to the high calcium concentration.

Laboratory Control Sample Results:

The solid LCS result for aluminum was outside quality control limits for the soil matrix. The positive result for aluminum was qualified as estimated, "J", in the validated sample.

No other problems were noted.

KIRTLAND AIR FORCE BASE
CASE NO. KRT2B, SDG NO. ST266
TABLE 1 - RECOMMENDATION SUMMARY

Aluminum		J^3		Magnesium			
Antimony				Manganese			
Arsenic			R^1	Mercury			
Barium				Molybdenum			R^1
Beryllium	A^1			Nickel			
Cadmium				Potassium			
Calcium				Selenium		J^1	
Chromium				Silver			
Copper		J^2		Sodium	A^1		
Cobalt	A^1			Thallium			
Iron				Vanadium		J^1	
Lead				Zinc		J^2	

If the field is left blank, the qualifier is A, accept all data.

A^1 - Accept data, but change positive result (where appropriate) to a revised detection limit because of blank contamination.

J^1 - Estimate "J", positive results or, "UJ", nondetects because negative concentrations were reported in the laboratory method blanks. Sample results are estimated due to poor instrument performance.

J^2 - Estimate "J", positive results due to ICP ICS interference as a result of high calcium concentrations.

J^3 - Estimate "J", positive results because of low LCS results.

R^1 - Reject, "R",nondetects as a result of suppression due to high calcium concentrations.

Brown & Root Environmental **INTERNAL MEMORANDUM**

TO: Karin Crandall **DATE:** August 23, 1994

FROM: Bernard J. Kuhn **COPIES:** File 2A56

SUBJECT: **INORGANIC DATA VALIDATION**
KIRTLAND AIR FORCE BASE, RFI DATA
CASE NO. KRT2B, SDG NO. ST267

SAMPLES: Soil: ST-267-04-0406

HALLIBURTON NUS Laboratories analyzed 6 soil samples and 2 water samples (equipment blanks) for Target Analyte List (TAL) metals and Molybdenum by Inductively Coupled Plasma (ICP) method and for mercury by Cold Vapor method. This memorandum only addresses the evaluation of the one soil sample listed above since only ten percent of all data will be reviewed.

Data for these analyses were reviewed with reference to the EPA "Functional Guidelines for Inorganic Data Validation", the "Brooks Air Force Base IRP Handbook," and the Stage 2B Sampling and Analysis Plan, January 1993. The data were evaluated according to the following parameters:

- Data completeness
- Holding Times
- Calibrations
- * Blanks
- * ICP Interference Check Results
- * Matrix Spike Recoveries
- Laboratory Duplicates
- Laboratory Control Sample Results
- Detection Limit Results
- Sample Results

The symbol (*) indicates that quality control criteria were not met for this parameter. Analysis of CRDL standards and ICP Serial dilutions are not contractually required, consequently, the sample data were not evaluated for these parameters. Additionally, field duplicate results were not evaluated since the field duplicate pair was not reviewed during validation of this data package. Problems affecting data usability are addressed below, and the attached Table 1 summarizes the data validation qualifications.

Blanks

Laboratory method and field quality control blank analyses yielded the following contaminants at the maximum concentrations indicated:

Contaminant	Maximum Concentration	Action Level* for soil samples (mg/kg)
Aluminum	54 ug/l	27
Beryllium	2 ug/l	1
Barium[2]	3 ug/l	1.5
Calcium	306 ug/l	153
Chromium	12 ug/l	6
Cobalt	10 ug/l	5
Copper[2]	45 ug/l	22.5
Iron[2]	103 ug/l	51.5
Magnesium[2]	285 ug/l	142.5
Silver[1]	5 ug/l	2.5
Sodium	33 ug/l	16.5
Vanadium[1]	4 ug/l	2
Zinc[2]	49 ug/l	24.5

* A 1 g to 100 ml sample digestion was employed for these soil samples.

[1] - A negative concentration was noted for this analyte.
[2] - Maximum concentration of contaminant found in field quality control blank.

Action levels of 5X these concentrations were used to evaluate the sample data. Sample weight, moisture content and dilution factors were taken into consideration prior to the application of all action levels. Positive results for beryllium, cobalt, copper, and chromium less than the action levels were qualified as undetected, "U". No actions were taken for the remaining analytes since all sample concentrations of these analytes were nondetects or greater than the action levels.

Negative concentrations were reported for selenium, silver and vanadium in various laboratory method blanks. These occurrences are an indication of poor instrument performance (base-line fluctuations). Positive results and nondetects for these analytes are qualified as estimated, "J" and "UJ", respectively.

Interference Check Sample Results:

The interfering analyte iron was present in one sample and calcium was present in the other sample at a concentration which exceeded 50% of the respective concentration in the ICP solution for this analyte. Additionally, arsenic, sodium, barium, copper, manganese, molybdenum, and zinc which were not supposed to be present in the ICS solution were detected in this solution at levels which exceeded two times (2X) the IDL. In addition, elevated positive results may exist for the other compounds as a results of interference stemming from high iron and calcium concentrations. Positive results for barium, copper, sodium, and zinc in the affected sample was qualified as estimated, "J". None of the other analytes were affected by interferences stemming from high iron and/or calcium concentrations.

Furthermore, nondetected results for arsenic and molybdenum in the affected sample have been rejected, "R", as a result of suppression due to the high iron and/or calcium concentration.

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Results:

The soil Matrix Spike/Matrix Spike Duplicate (MS/MSD) Percent Recoveries (%Rs) for nickel and potassium exceeded the upper quality control criteria. Positive results for nickel and potassium in the soil matrix were qualified as estimated "J" in the validated samples.

No other problems were noted.

KIRTLAND AIR FORCE BASE
CASE NO. KRT2B, SDG NO. ST267
TABLE 1 - RECOMMENDATION SUMMARY

Aluminum				Magnesium		
Antimony				Manganese		
Arsenic			R^1	Mercury		
Barium				Molybdenum		R^1
Beryllium	A^1			Nickel	J^3	
Cadmium				Potassium	J^3	
Calcium				Selenium	J^1	
Chromium	A^1			Silver	J^1	
Copper	A^1	J^2		Sodium	J^2	
Cobalt	A^1			Thallium		
Iron				Vanadium	J^1	
Lead				Zinc	J^2	

If the field is left blank, the qualifier is A, accept all data.

A^1 - Accept data, but change positive result (where appropriate) to a revised detection limit because of blank contamination.

J^1 - Estimate "J", positive results or, "UJ", nondetects because negative concentrations were reported in the laboratory method blanks. Sample results are estimated due to poor instrument performance.

J^2 - Estimate "J", positive results due to ICP ICS interference as a result of high iron and/or calcium concentrations.

J^3 - Estimate "J", positive results because of high MS/MSD recovery.

R^1 - Reject, "R",nondetects as a result of suppression due to high iron and/or calcium concentrations.

Brown & Root Environmental

INTERNAL MEMORANDUM

TO: Karin Crandall

DATE: August 30, 1994

FROM: James Cao

COPIES: File 2A56

SUBJECT: ORGANIC DATA VALIDATION - VOA/BNA
KIRTLAND AIR FORCE BASE, RFI DATA
CASE NO. KRT2B, SDG NO. ST201

SAMPLES: Soil: ST-201-02-0608, ST-201-02-1113, ST-201-03-1113

Enseco and Halliburton NUS Laboratories analyzed 6 soil samples, 1 aqueous rinsate blank, and 1 trip blank for Target Compound List (TCL) volatile and semivolatile organic compounds. Two field duplicate pairs were included with this analytical data set. The trip blank was analyzed only for volatile organic compounds. This memorandum only addresses the evaluation of the three soil samples listed above since only ten percent of all the data will be reviewed.

The data for these analyses were reviewed with reference to the EPA "Functional Guidelines for Organic Data Validation", EPA SW-846 Methods 8240 and 8270, the "Brooks Air Force Base IRP Handbook", version 3.0, and the stage 2B Sampling and Analysis Plan, January, 1993 and were evaluated according to the following parameters:

- Data completeness
- Holding times
- GC/MS tuning
- * Initial and continuing calibrations
- * Laboratory and field blank analyses
- Surrogate spike recoveries
- * Laboratory control spike/laboratory control spike duplicate results
- Internal standards performance
- Instrument performance
- Detection limits
- Sample quantitation

The symbol (*) indicates that quality control criteria were not met for this parameter. Problems affecting data usability are discussed below and the attached Table 1 summarizes the validation qualifications. Field duplicate results were not evaluated since the samples that comprise the field duplicate pair were not selected for validation. Additionally, the matrix spike/matrix spike duplicate results were not evaluated since the unspiked sample was not reviewed.

Volatiles

Several initial calibration Percent Relative Standard Deviation (%RSD) for acetone, methylene chloride, trans-1,2-dichloroethene, and 2-butanone exceeded the 30% quality control criteria. No actions were necessary since only nondetects were reported for these compounds in the validated samples. Nondetects are not affected by this noncompliance.

There are several continuing calibration Percent Differences (%Ds) for methylene chloride, and vinyl acetate that were greater than the 25% quality control criteria. Positive results for methylene chloride were qualified as estimated, "J". No actions were necessary for vinyl acetate since only nondetects were reported for this compound in the validated samples. Nondetects are not affected by this noncompliance.

The following compound was detected in the field quality control blanks at the maximum concentrations indicated below:

Compound	Maximum Concentration	Action Level
2-butanone	1.3 µg/L	0.007 mg/Kg

Samples Affected: ST-201-02-0608, ST-201-02-1113, ST-201-03-1113

Percent moisture, sample aliquot size, and dilution factors were taken into consideration during the application of all action levels. No positive results were reported for 2-butanone in any of the samples evaluated, thus no actions were required.

Laboratory Control Spike/Laboratory Control Spike Duplicate (LCS/LCSD) associated the analytical batch analyzed with 8240-AF-S yielded a high Percent Recovery (%R) for acetone and carbon disulfide. Additionally, a high Relative Percent Difference (RPD) was reported for carbon disulfide. No actions were necessary since only nondetects were reported for these compounds in the validated samples. Nondetects are not affected by this noncompliance.

Positive results for several compounds were reported by the laboratory at concentrations below the Reporting Limit (RL). These results were qualified as estimated, "J", since these results were not reported with 99% confidence.

No other problems were noted.

Semivolatiles

Continuing calibration percent difference (%D) for 2-methylnaphthalene, 4-nitroaniline, and hexachlorocyclopentadiene exceeded the 25% quality control criteria. No actions were necessary as only nondetects were reported for these compounds in the validated samples. Nondetects are not compromised by this noncompliance.

The LCS/LCSD associated the analytical batch analyzed with SBLKFR yielded high %Rs for 1,2,4-trichlorobenzene, 2-methylnaphthalene, and hexachlorocyclopentadiene. Only positive results are affected by high %Rs and since no positive results were reported for these compounds in the affected samples, no actions were necessary.

No other problems were noted.

KIRTLAND AIR FORCE BASE
CASE KRT2B, SDG ST 201

TABLE 1 - RECOMMENDATION SUMMARY

Sample No.	VOA	BNA
ST-201-02-0608	$J^{1,2}$	
ST-201-02-1113	$J^{1,2}$	
ST-201-03-1113	$J^{1,2}$	

If the field is left blank, the qualifier is A - Accept all data.

J^1 - Estimate, "J", positive result for methylene chloride because %D exceeded 25%.

J^2 - Estimate, "J", positive result for several compounds because these results were reported by the laboratory below the reporting limit.

Brown & Root Environmental

INTERNAL MEMORANDUM

TO: Karin Crandall

DATE: August 31, 1994

FROM: James Cao

COPIES: File 2A56

SUBJECT: ORGANIC DATA VALIDATION - VOA/BNA
KIRTLAND AIR FORCE BASE, RFI DATA
CASE NO. KRT2B, SDG NO. ST202

SAMPLES: Soil: ST-202-01-0710

Halliburton NUS Laboratories analyzed 2 soil samples, 1 aqueous rinsate blank and 1 trip blank for Target Compound List (TCL) volatile and semivolatile organic compounds. No field duplicate pair was included with this analytical data set. The trip blank was analyzed only for TCL volatile organic compounds. This memorandum only addresses the evaluation of the one soil sample listed above since only ten percent of all the data will be reviewed.

The data for these analyses were reviewed with reference to the EPA "Functional Guidelines for Organic Data Validation", EPA SW-846 Methods 8240 and 8270, the "Brooks Air Force Base IRP Handbook", version 3.0, and the Stage 2B Sampling and Analysis Plan, January, 1993 and were evaluated according to the following parameters:

- Data completeness
- Holding times
- GC/MS tuning
- * Initial and continuing calibrations
- * Laboratory and field blank analyses
- Surrogate spike recoveries
- * Laboratory control spike/laboratory control spike duplicate results
- Internal standards performance
- Instrument performance
- Detection limits
- Sample quantitation

The symbol (*) indicates that quality control criteria were not met for this parameter. Problems affecting data usability are discussed below and the attached Table 1 summarizes the validation qualifications. The matrix spike/matrix spike duplicate results were not evaluated since the unspiked sample was not reviewed.

Volatiles

Initial calibration Percent Relative Standard Deviation (%RSD) and continuing calibration Percent Difference (%D) for acetone exceeded 50%. No actions were necessary for acetone since this result was qualified due to blank contamination in the validated sample.

A continuing calibration %D for styrene exceeded the 25% quality control criteria. No actions were necessary for styrene since only a nondetect was reported in the validated sample. Nondetects are not affected by this noncompliance.

The following compound was detected in the laboratory method blank at the maximum concentration indicated below:

Compound	Maximum Concentration	Action Level
acetone	7 µg/kg	70 µg/kg

Affected Sample: ST-202-01-0710

Percent moisture, sample aliquot size, and dilution factors were taken into consideration during the application of action level. The positive acetone result less than the action level in the affected sample was qualified as undetected, "U".

Laboratory Control Spike/Laboratory Control Spike Duplicate (LCS/LCSD) associated with the analytical batch analyzed with VBLKES yielded a high Percent Recovery (%R) for styrene and a high Relative Percent Difference (PRD) for acetone. No actions were taken for these compounds since acetone was qualified due to blank contamination and styrene was reported as a nondetect.

No other problems were noted.

Semivolatiles

Continuing calibration %D for hexachlorocyclopentadiene and 4-nitroaniline exceeded the 25% quality control criteria. No actions were necessary since only nondetects were reported for these compounds in the affected sample. Nondetects are not compromised by this noncompliance.

The LCS/LCSD associated with the analytical batch analyzed with SBLKFQ yielded a high %R for hexachloroethane. No actions were necessary since only nondetects were reported for this compound in the affected sample and nondetects were not considered to be compromised by this noncompliance.

No other problems were noted.

KIRTLAND AIR FORCE BASE
CASE KRT2B, SDG ST202

TABLE 1 - RECOMMENDATION SUMMARY

Sample No.	VOA	BNA
ST-202-01-0710	A[1]	

If the field is left blank, the qualifier is A - Accept all data.

A[1] - Accept data, but qualify positive result for acetone as undetected, "U", as a result of laboratory method blank contamination.

Brown & Root Environmental

INTERNAL MEMORANDUM

TO: Karin Crandall

DATE: August 30, 1994

FROM: James Cao

COPIES: File 2A56

SUBJECT: **ORGANIC DATA VALIDATION - VOA/BNA**
KIRTLAND AIR FORCE BASE, RFI DATA
CASE NO. KRT2B, SDG NO. ST208

SAMPLES: Soil: ST-208-01-0810

Enseco and Halliburton NUS Laboratories analyzed 6 soil samples, 2 rinsate blanks, and 1 trip blank for Target Compound List (TCL) volatile and semivolatile organic compounds. No field duplicate pair was included with this analytical data set. The trip blank was analyzed only for TCL volatile organic compounds. This memorandum only addresses the evaluation of the one soil sample listed above since only ten percent of all the data will be reviewed.

The data for these analyses were reviewed with reference to the EPA "Functional Guidelines for Organic Data Validation", EPA SW-846 Methods 8240 and 8270, the "Brooks Air Force Base IRP Handbook", version 3.0, and the Stage 2B Sampling and Analysis Plan, January, 1993 and were evaluated according to the following parameters:

- Data completeness
- Holding times
- GC/MS tuning
- * Initial and continuing calibrations
- * Laboratory and field blank analyses
- Surrogate spike recoveries
- * Laboratory control spike/laboratory control spike duplicate results
- Internal standards performance
- Instrument performance
- Detection limits
- Sample quantitation

The symbol (*) indicates that quality control criteria were not met for this parameter. Problems affecting data usability are discussed below and the attached Table 1 summarizes the validation qualifications. The matrix spike/matrix spike duplicate results were not evaluated since the unspiked sample was not reviewed.

Volatiles

Several initial calibration Percent Relative Standard Deviation (%RSD) for acetone, methylene chloride, trans-1,2-dichloroethene, and 2-butanone exceeded the 30% quality control criteria. No actions were required since only nondetects were reported for these compounds in the validated sample. Nondetects are not compromised by this noncompliance.

Continuing calibration Percent Differences (%Ds) for acetone, trans-1,2-dichloroethene, bromodichloromethane, and 2-hexanone were greater than the 25% quality control criteria. No actions were required since only nondetects were reported for these compounds in the validated sample. Nondetects are not compromised by this noncompliance.

The following compounds were detected in the laboratory method and field quality control blanks at the maximum concentrations indicated below:

Compound	Maximum Concentration	Action Level
methylene chloride*	15 µg/l	0.015 mg/kg
2-butanone*	41 µg/l	0.041 mg/kg
acetone	0.0058 mg/kg	0.058 mg/kg

* - Maximum concentration was detected in the field quality control samples.

Affected Sample: ST-208-01-0810

Percent moisture, sample aliquot size, and dilution factors were taken into consideration during the application of all action levels. No actions were taken since only nondetects were reported for these compounds in the validated sample.

The Laboratory Control Spike/Laboratory Control Spike Duplicate (LCS/LCSD) yielded low Percent Recovery (%R) for acetone, 1,2-dichloropropane, 1,1,2-trichloroethane. No actions were taken since only nondetects were reported for these compounds in the validated sample. Nondetects are not compromised by this noncompliance.

No other problems were noted.

Semivolatiles

Continuing calibration %D for 2,4-dinitrophenol exceeded 50%. The nondetect reported for this compound in the validated sample was qualified as estimated, "UJ".

Continuing calibration %Ds for 2-methylnaphthalene and 4,6-dinitro-2-methylphenol exceeded the 25% quality control criteria. No actions were necessary since only nondetects were reported for these compounds in the validated sample. Nondetects are not compromised by this noncompliance.

The LCS/LCSD associated the analytical batch analyzed with SBLKFO yielded high Relative Percent Differences (RPDs) for 2,4-dinitrophenol and hexachlorocyclopentadiene and additionally, several high %Rs for 1,4-dichlorobenzene, hexachloroethane, 1,2,4-trichlorobenzene, hexachlorocyclopentadiene, and 2-methylnaphthalene. No actions were necessary since only nondetects were reported for these compounds in the validated sample and nondetects are not compromised by this noncompliance.

No other problems were noted.

KIRTLAND AIR FORCE BASE
CASE KRT2B, SDG ST208

TABLE 1 - RECOMMENDATION SUMMARY

Sample No.	VOA	BNA
ST-208-01-0810		J^1

If the field is left blank, the qualifier is A - Accept all data.

J^1 - Estimate, "UJ", nondetect because a continuing calibration %D exceeded 50%.

Brown & Root Environmental

INTERNAL MEMORANDUM

TO: Karin Crandall

DATE: August 31, 1994

FROM: James Cao

COPIES: File 2A56

SUBJECT: ORGANIC DATA VALIDATION - VOA/BNA
KIRTLAND AIR FORCE BASE, RFI DATA
CASE NO. KRT2B, SDG NO. ST210S

SAMPLES: Soil: ST-210-07-5254

Enseco Laboratories analyzed 4 soil samples, 1 aqueous rinsate blank, and 1 trip blank for Target Compound List (TCL) volatile and semivolatile organic compounds. The trip blanks were analyzed only for volatile organic compounds. Two field duplicate pairs were included with this analytical data set. This memorandum only addresses the evaluation of the one soil sample listed above since only ten percent of all the data will be reviewed.

The data for these analyses were reviewed with reference to the EPA "Functional Guidelines for Organic Data Validation", EPA SW-846 Methods 8240 and 8270, the "Brooks Air Force Base IRP Handbook", version 3.0, and the Stage 2B Sampling and Analysis Plan, January, 1993 and were evaluated according to the following parameters:

- Data completeness
- Holding times
- GC/MS tuning
- * Initial and continuing calibrations
- * Laboratory blank analyses
- Surrogate spike recoveries
- * Laboratory control spike/laboratory control spike duplicate results
- Internal standards performance
- * Matrix spike/matrix spike duplicate results
- Instrument performance
- Detection limits
- Sample quantitation

The symbol (*) indicates that quality control criteria were not met for this parameter. Problems affecting data usability are discussed below and the attached Table 1 summarizes the validation qualifications. Field duplicate results were not evaluated since the samples that comprise the field duplicate pair were not selected for validation.

Volatiles

Continuing calibration Percent Differences (%Ds) for acetone exceeded the 25% quality control criteria. No actions were necessary for acetone since the result reported for acetone was qualified due to blank contamination.

The following compounds were detected in the laboratory method and field quality control blanks at the maximum concentrations indicated below:

Compound	Maximum Concentration	Action Level
acetone*	5.1 ug/L	0.051 mg/Kg
methylene chloride	0.012 mg/Kg	0.12 mg/Kg

* - Maximum concentration was detected in the field quality control blanks.

Affected Sample: ST-210-07-5254

Percent moisture, sample aliquot size, and dilution factors were taken into consideration during the application of all action levels. Positive results reported at concentrations above the reporting limit but less than the action level in the validated sample were qualified as undetected "U".

Laboratory Control Spike/Laboratory Control Spike Duplicate (LCS/LCSD) yielded a high Percent Recovery (%R) for carbon disulfide and a low %R for acetone. Additionally, the Relative Percent Difference (RPD) for 1,1,2,2-tetrachloroethane was high. No actions were taken for these compounds since either these results were qualified due to blank contamination or no positive results were reported for these compounds in the validated sample.

The Matrix Spike (MS) analysis yielded a low %R for vinyl acetate. No actions were taken for vinyl acetate since only a nondetect was reported in the unspiked sample. Matrix Spike Duplicate (MSD) analyses associated with the validated sample was not completed due to instrument failure.

No other problems were noted.

Semivolatiles

An initial calibration Percent Relative Standard Deviation (%RSD) for benzoic acid exceeded the 30% quality control criteria. No actions were necessary since only a nondetect was reported for this compound in the validated sample. Nondetects are not compromised by this noncompliance.

No contaminants were detected in the laboratory method blanks. The following compound was detected in the field quality control blanks at the maximum concentrations indicated below:

Compound	Maximum Concentration	Action Level
bis(2-ethylhexyl)phthalate	1.0 ug/L	0.01 mg/Kg

Affected Sample: ST-210-07-5254

Percent moisture, sample aliquot size, and dilution factors were taken into consideration during the application of all action levels. No qualification was necessary for this compound since the reported result exceeded the action level.

The LCS/LCSD yielded high Percent Recoveries (%Rs) for benzo(a)anthracene, bis(2-ethylhexyl)phthalate, butyl benzyl phthalate, chrysene, dibenzofuran, 2,6-dinitrotoluene, pyrene, and 2,4,5-trichlorophenol. The positive result for bis(2-ethylhexyl)phthalate was qualified as estimated, "J". No actions were taken for the remaining compounds since only nondetects were reported for these compounds in the validated sample. Additionally, high RPDs were reported for 4,6-dinitro-2-methylphenol and fluoranthene. No actions were necessary since only nondetects were reported for these compounds in the validated sample. Nondetects are not affected by this noncompliance.

MS/MSD analyses yielded high %Rs for bis(2-ethylhexyl)phthalate, butyl benzyl phthalate, chrysene, 2,4-dinitrophenol, 2,6-dinitrotoluene, pyrene, and 2,4,5-trichlorophenol. The positive result for bis(2-ethylhexyl)phthalate was qualified as estimated, "J". No actions were taken for the remaining compounds since only nondetects were reported for these compounds in the unspiked sample.

MS/MSD analyses yielded a low %R for 2,4-dimethylphenol. The nondetect reported for this compound in the validated sample was qualified as estimated, "UJ".

No other problems were noted.

KIRTLAND AIR FORCE BASE
CASE KRT2B, SDG ST210S

TABLE 1 - RECOMMENDATION SUMMARY

Sample No.	VOA	BNA
ST-210-07-5254	A[1]	J[1,2]

If the field is left blank, the qualifier is A - Accept all data.

A[1] - Accept data, but qualify positive result for acetone and methylene chloride as undetected, "U", as a result of laboratory method or field quality control blank contamination.

J[1] - Estimate, "UJ", nondetect for 2,4-dimethylphenol due to low MS/MSD recovery.

J[2] - Estimate, "J", positive results for bis(2-ethylhexyl)phthalate as a result of high LCS/LCSD and MS/MSD recoveries.

Brown & Root Environmental

INTERNAL MEMORANDUM

TO: Karin Crandall

DATE: August 31, 1994

FROM: James Cao

COPIES: File 2A56

SUBJECT: ORGANIC DATA VALIDATION - VOA/BNA
KIRTLAND AIR FORCE BASE, RFI DATA
CASE NO. KRT2B, SDG NO. ST210D

SAMPLES: Soil: ST-210-99-140142

Ceimic Corporation analyzed 4 soil samples, 1 aqueous rinsate blank, and 1 trip blank for Target Compound List (TCL) volatile and semivolatile organic compounds. One field duplicate pair was included with this analytical data set. The trip blanks were analyzed only for volatile organic compounds. This memorandum only addresses the evaluation of the one soil sample listed above since only ten percent of all the data will be reviewed.

The data for these analyses were reviewed with reference to the EPA "Functional Guidelines for Organic Data Validation", EPA SW-846 Methods 8240 and 8270, the "Brooks Air Force Base IRP Handbook", version 3.0, and the Stage 2B Sampling and Analysis Plan, January, 1993 and were evaluated according to the following parameters:

- Data completeness
- Holding times
- GC/MS tuning
- * Initial and continuing calibrations
- * Laboratory and field blank analyses
- Surrogate spike recoveries
- * Laboratory control spike/laboratory control spike duplicate results
- Internal standards performance
- Field duplicate precision
- Instrument performance
- Detection limits
- Sample quantitation

The symbol (*) indicates that quality control criteria were not met for this parameter. Problems affecting data usability are discussed below and the attached Table 1 summarizes the validation qualifications. The matrix spike/matrix spike duplicate results were not evaluated since the unspiked sample was not reviewed.

Volatiles

Several continuing calibration Percent Differences (%Ds) for 1,1-dichloroethene, trans-

1,3-dichloropropene, and tetrachlorothene exceeded the 25% quality control criteria. Only nondetects were reported for these compounds in the validated sample. No actions were taken for these compounds since only positive results are affected by this noncompliance.

No contaminants were detected in the laboratory method blanks. The following compound was detected in the field quality control blanks at the maximum concentration indicated below:

Compound	Maximum Concentration	Action Level
methylene chloride	1.0 µg/L	0.01 mg/Kg

Affected Sample: ST-210-99-140142

Percent moisture, sample aliquot size, and dilution factors were taken into consideration during the application of all action levels. No actions were taken for methylene chloride since only a nondetect was reported for this compound in the validated sample.

The laboratory reported acetone at a concentration below the Reporting Limit (RL). This result for acetone was qualified as estimated, "J", because this result was not reported with 99% confidence.

No other problems were noted.

Semivolatiles

Continuing calibration %Ds for benzo(g,h,i)perylene and 4-nitrophenol exceeded the 25% quality control criteria. No actions were necessary since only nondetects were reported for these compounds in the validated sample. Nondetects are not affected by this noncompliance.

No contaminants were detected in the laboratory method blanks. The following compound was detected in the field quality control blanks at the maximum concentration indicated below:

Compound	Maximum Concentration	Action Level
bis(2-ethylhexyl)phthalate	1.0 µg/L	5 µg/Kg

Affected Sample: ST-210-99-140142

Percent moisture, sample aliquot size, and dilution factors were taken into

consideration during the application of all action levels. No actions were taken for bis(2-ethylhexyl)phthalate since only a nondetect was reported for this compound in the validated sample.

The Laboratory Control Spike/Laboratory Control Spike Duplicate (LCS/LCSD) yielded a high Percent Recovery (%R) for 2,4-dinitrotoluene. No actions were necessary since only a nondetect was reported for this compound in the validated sample and nondetects are not considered to be compromised by this noncompliance.

No other problems were noted.

KIRTLAND AIR FORCE BASE
CASE KRT2B, SDG ST210D

TABLE 1 - RECOMMENDATION SUMMARY

Sample No.	VOA	BNA
ST-210-99-140142	J[1]	

If the field is left blank, the qualifier is A - Accept all data.

J[1] - Estimate, "J" positive result for acetone because this result was detected by the laboratory below the reporting limit.

Brown & Root Environmental

INTERNAL MEMORANDUM

TO: Karin Crandall

DATE: August 10, 1994

FROM: Dwayne Mock

COPIES: File 2A56

SUBJECT: ORGANIC DATA VALIDATION - VOA/BNA
KIRTLAND AIR FORCE BASE, RFI DATA
CASE NO. KRT2B, SDG NO. ST211

SAMPLES: Soil: ST-211-99-0711

Halliburton NUS Laboratories and Enseco analyzed 10 soil samples, 1 rinsate blank, and 1 trip blank for Target Compound List (TCL) volatile and semivolatile organic compounds. The trip blank was analyzed only for TCL volatile organic compounds. This memorandum only addresses the evaluation of the one soil sample listed above since only ten percent of all the data will be reviewed.

The data for these analyses were reviewed with reference to the EPA "Functional Guidelines for Organic Data Validation", EPA SW-846 Methods 8240 and 8270 the "Brooks Air Force Base IRP Handbook", version 3.0, and the Stage 2B Sampling and Analysis Plan, January, 1993 and were evaluated according to the following parameters:

- Data completeness
- Holding times
- GC/MS tuning
- * Initial and continuing calibrations
- * Laboratory blank analyses
- * Surrogate spike recoveries
- Laboratory control spike/laboratory control spike duplicate results
- Internal standards performance
- Instrument performance
- Detection limits
- Sample quantitation

The symbol (*) indicates that quality control criteria were not met for this parameter. Problems affecting data usability are discussed below and the attached Table 1 summarizes the validation qualifications. Field duplicate results were not evaluated since the samples that comprise the field duplicate pair were not reviewed. Additionally, the matrix spike/matrix spike duplicate results were not evaluated since the unspiked sample was not reviewed.

Volatiles

An initial calibration Percent Relative Standard Deviation (%RSD) for acetone exceeded the 50%. No actions were necessary since the positive result reported for acetone in the validated sample was qualified as a result of blank contamination.

One initial calibration %RSD for 2-butanone exceeded the 30% quality control criteria. No actions were necessary because only nondetects were reported for 2-butanone in the validated sample. The nondetect is not compromised by this noncompliance.

The following compounds were detected in the laboratory method blanks at the maximum concentrations indicated below:

Compound	Maximum Concentration	Action Level
acetone	0.0096 mg/Kg	0.096 mg/Kg
methylene chloride	0.0049 mg/Kg	0.049 mg/Kg

Sample Affected: ST-211-99-0711

Percent moisture, sample aliquot size, and dilution factors were taken into consideration during the application of all action levels. Positive results reported at concentrations above the detection limit but less than the action level were qualified as undetected "U".

No other problems were noted.

Semivolatiles

One initial calibration %RSD for 2,4-dinitrophenol exceeded the 30% quality control criteria. No actions were necessary as only nondetects were reported for this compound in the validated sample. The nondetects is not compromised by this noncompliance.

Continuing calibration Percent Differences (%Ds) for benzoic acid, hexachlorocyclopentadiene, and 3,3'-dichlorobenzidine exceeded the 30% quality control criteria. No actions were necessary since only nondetects were reported for these compounds in the validated sample.

The surrogate Percent Recoveries (%Rs) for nitrobenzene-d5, 2-fluorobiphenyl, and terphenyl-d4 exceeded quality control limits for sample ST-211-99-0711. No actions were necessary since only nondetects were reported for the base-neutral compounds in this sample. Nondetects are not compromised by high surrogate recoveries.

No other problems were noted.

KIRTLAND AIR FORCE BASE
CASE KRT2B, SDG ST211

TABLE 1 - RECOMMENDATION SUMMARY

Sample No.	VOA	BNA
ST-211-99-0711	A[1,2]	

If the field is left blank, the qualifier is A - Accept all data.

A[1] - Accept data, but qualify positive result for acetone as undetected, "U", as a result of laboratory method blank contamination.

A[2] - Accept data, but qualify positive result for methylene chloride as undetected, "U", as a result of laboratory method blank contamination.

KIRTLAND AIR FORCE BASE
CASE KRT2B, SDG ST214

TABLE 1 - RECOMMENDATION SUMMARY

Sample No.	VOA	BNA
ST-214-03-2022	A[1,2]	J[1]

If the field is left blank, the qualifier is A - Accept all data.

A[1] - Accept data, but qualify positive result for acetone as undetected, "U", as a result of laboratory method blank contamination.

A[2] - Accept data, but qualify positive result for methylene chloride as undetected, "U", as a result of laboratory method blank contamination.

J[1] - Estimate, "UJ", nondetect because a continuing calibration %D exceeded 50% for bis(2-chloroiso-propyl)ether.

Brown & Root Environmental

INTERNAL MEMORANDUM

TO: KARIN CRANDALL

DATE: AUGUST 23, 1994

FROM: JAMES CAO

COPIES: FILE 2A56

SUBJECT: ORGANIC DATA VALIDATION - VOA/BNA
KIRTLAND AIR FORCE BASE
CASE KRT2B, SDG ST215

SAMPLES: Soils: ST-215-02-0813, ST-215-03-2630, ST-215-04-1015

Enseco and Halliburton NUS Laboratories analyzed 11 soil samples, 2 aqueous rinsate blanks, 2 aqueous ambient blanks, and 2 trip blanks for Target Compound List (TCL) volatile and semivolatile organic compounds. One field duplicate pair was included with this analytical data set. The trip blanks were analyzed only for volatile organic compounds. This memorandum only addresses the evaluation of the three soil samples listed above since only ten percent of all the data will be reviewed.

The data for these analyses were reviewed with reference to the EPA "Functional Guidelines for Organic Data Validation", EPA SW-846 Methods 8240 and 8270, the "Brooks Air Force Base IRP Handbook", version 3.0, and the Stage 2B Sampling and Analysis Plan, January, 1993 and were evaluated according to the following parameters:

- Data completeness
- Holding times
- GC/MS tuning
- * Initial and continuing calibrations
- * Laboratory and field blank analyses
- Surrogate spike recoveries
- * Laboratory control spike/laboratory control spike duplicate results
- Internal standards performance
- Matrix spike/matrix spike duplicate results
- Instrument performance
- Detection limits
- Sample quantitation

The symbol (*) indicates that quality control criteria were not met for this parameter. Problems affecting data usability are discussed below and the attached Table 1 summarizes the validation qualifications. Field duplicate results were not evaluated since the samples that comprise the field duplicate pair were not selected for

validation. Additionally, the matrix spike/matrix spike duplicate results were not evaluated since the unspiked sample was not reviewed.

Volatiles

There were several initial calibration Percent Relative Standard Deviations (%RSDs) for trichlorofluoromethane, acetone, methylene chloride, trans-1,2-dichloroethane, and 2-butanone that exceeded the 30% quality control criteria. Positive results for acetone, methylene chloride, and 2-butanone (not qualified as a result of blank contamination) were qualified as estimated, "J", in the validated samples. No actions were necessary for the other compounds since nondetects are not compromised by this noncompliance.

Continuing calibration Percent Differences (%Ds) for acetone exceeded 50%. Positive results for acetone (not qualified as a result of blank contamination) were qualified as estimated, "J".

Several continuing calibration %Ds for carbon disulfide, vinyl acetate, 2-butanone and chloromethane were greater than the 25% quality control criteria. Positive results for 2-butanone (not qualified as a result of blank contamination) were qualified as estimated, "J". No actions were taken for the remaining compounds since only nondetects were reported for these compounds in the affected samples. Nondetects are not affected by this noncompliance.

The following compounds were detected in the field quality control blanks at the maximum concentrations indicated below:

Compound	Maximum Concentration	Action Level
acetone	5.1 µg/L	0.051 mg/kg
1,2-dichloroethane	1.8 µg/L	0.009 mg/kg
2-hexanone	1.6 µg/L	0.008 mg/Kg
2-butanone	2.1 µg/L	0.021 mg/kg

Samples Affected: ST-25-02-0813, ST-215-03-2630, ST-215-04-1015

Percent moisture, sample aliquot size, and dilution factors were taken into consideration during the application of all action levels. Positive results reported at concentrations above the detection limit but less than the action level were qualified as undetected "U". No actions were taken for 1,2-dichloroethane and 2-hexanone since only nondetects were reported for these compounds in the validated samples.

Laboratory Control Spike/Laboratory Control Spike Duplicate (LCS/LCSD) associated with the analytical batch analyzed on 11MAY94-D yielded high Percent Recoveries (%Rs) for carbon disulfide and styrene. Additionally, high Relative Percent Differences (RPDs) were reported for bromomethane, 2-butanone, and methylene chloride.

Positive results for methylene chloride were qualified as estimate "J". No actions were taken for the remaining compounds since the results for these compounds were either nondetects or previously qualified as a result of blank contamination. Nondetects are not affected by these noncompliances.

The LCS/LCSD associated the analytical batch analyzed with 12MAY94-D yielded low %Rs for acetone and vinyl acetate and a high %R for carbon disulfide. Additionally, high RPDs were reported for acetone, carbon disulfide, chloromethane, and methylene chloride. The nondetect for vinyl acetate in the affected sample was qualified as estimated, "UJ". No actions were taken for the other compounds since the results for these compounds were either nondetects for previously qualified due to blank contamination.

The laboratory reported several compounds at concentrations below the Reporting Limit (RL). These compounds were qualified as estimated, "J", because these results are not reported with 99% confidence.

No other problems were noted.

Semivolatiles

Continuing calibration %Ds for 3-nitroaniline, 3, 3'-Dichlorobenzindine, 4-nitroaniline, bis(2-chloroisopropyl) either, and benzoic acid exceeded the 25% quality control criteria. No actions were necessary because only nondetects were reported for these compounds in the validated samples.

The LCS/LCSD associated the analytical batch analyzed with SBLKFF yielded high RPDs for hexachlorocyclopentadiene, 1,4-dichlorobenzene, hexachloroethane, and dimethylphthalate. No actions were necessary since only nondetects were reported for these compounds in the affected samples.

No other problems were noted.

KIRTLAND AIR FORCE BASE
CASE KRT2B, SDG ST215

TABLE 1 - RECOMMENDATION SUMMARY

Sample No.	VOA	BNA
ST-215-02-0813		$J^{1,2,3,5}$
ST-215-03-2630	$A^{1,2}$	$J^{3,5}$
ST-215-04-1015	A^{1}	$J^{4,5}$

If the field is left blank, the qualifier is A - Accept all data.

A^1 - Accept data, but qualify positive results for acetone as undetected, "U", as a result of blank contamination.

A^2 - Accept data, but qualify positive results for 2-butanone as a result of blank contamination.

J^1 - Estimate, "J", positive results for acetone as a result of initial calibration %RSDs > 30%.

J^2 - Estimate, "J", positive results for acetone as a result of continuing calibration %Ds > 50%.

J^3 - Estimate, "J", positive result for methylene chloride as a result of high LCS/LCSD %RPDs.

J^4 - Estimate, "UJ", nondetect for vinyl acetate as a result of low LCS/LSCD recovery.

J^5 - Estimate, "J", positive results for several compounds because these results were reported below the laboratory reporting limit.

Brown & Root Environmental

INTERNAL MEMORANDUM

TO: Karin Crandall

DATE: August 11, 1994

FROM: Dwayne Mock

COPIES: File 2A56

SUBJECT: ORGANIC DATA VALIDATION - VOA/BNA
KIRTLAND AIR FORCE BASE, RFI DATA
CASE NO. KRT2B, SDG NO. ST214

SAMPLES: Soil: ST-214-03-2022

Halliburton NUS Laboratories and Enseco analyzed 21 soil samples, 2 rinsate blanks, and 2 trip blanks for Target Compound List (TCL) volatile and semivolatile organic compounds. The trip blanks were analyzed only for TCL volatile organic compounds. This memorandum only addresses the evaluation of the one soil sample listed above since only ten percent of all the data will be reviewed.

The data for these analyses were reviewed with reference to the EPA "Functional Guidelines for Organic Data Validation", EPA SW-846 Methods 8240 and 8270 the "Brooks Air Force Base IRP Handbook", version 3.0, and the Stage 2B Sampling and Analysis Plan, January, 1993 and were evaluated according to the following parameters:

- Data completeness
- Holding times
- GC/MS tuning
- * Initial and continuing calibrations
- * Laboratory blank analyses
- Surrogate spike recoveries
- Laboratory control spike/laboratory control spike duplicate results
- Internal standards performance
- Instrument performance
- Detection limits
- Sample quantitation

The symbol (*) indicates that quality control criteria were not met for this parameter. Problems affecting data usability are discussed below and the attached Table 1 summarizes the validation qualifications. Field duplicate results were not evaluated since the samples that comprise the field duplicate pair were not reviewed. Additionally, the matrix spike/matrix spike duplicate results were not evaluated since the unspiked sample was not reviewed.

Volatiles

No contaminants were reported in the laboratory method blanks. The following compounds were detected in the field quality control blanks at the maximum concentrations indicated below:

Compound	Maximum Concentration	Action Level
acetone*	6.9 ug/L	0.069 mg/Kg
methylene chloride*	2.5 ug/L	0.025 mg/Kg
chlorobenzene*	0.32 ug/L	0.0016 mg/Kg

* - Maximum concentration detected in the field quality control blanks.

Samples Affected: ST-214-03-2022

Percent moisture, sample aliquot size, and dilution factors were taken into consideration during the application of all action levels. Positive results reported at concentrations above the detection limit but less than the action level were qualified as undetected "U". No actions were necessary for chlorobenzene since only nondetects were reported in the validated sample.

No other problems were noted.

Semivolatiles

One continuing calibration Percent Difference (%D) for bis(2-chloroisopropyl)ether exceeded 50%. The nondetect reported in the validated sample was qualified as estimated, "UJ".

No other problems were noted.

Brown & Root Environmental

INTERNAL MEMORANDUM

TO: Karin Crandall

DATE: August 31, 1994

FROM: James Cao

COPIES: File 2A56

SUBJECT: ORGANIC DATA VALIDATION - VOA/BNA
KIRTLAND AIR FORCE BASE, RFI DATA
CASE NO. KRT2B, SDG NO. ST218

SAMPLES: Soil: ST-218-01-0709

Enseco and Halliburton NUS Laboratories analyzed 6 soil samples, 1 aqueous rinsate blank, and 1 trip blank for Target Compound List (TCL) volatile and semivolatile organic compounds. No field duplicate pair was included with this analytical data set. The trip blank was analyzed only for volatile organic compounds. This memorandum only addresses the evaluation of the one soil sample listed above since only ten percent of all the data will be reviewed.

The data for these analyses were reviewed with reference to the EPA "Functional Guidelines for Organic Data Validation", EPA SW-846 Methods 8240 and 8270, the "Brooks Air Force Base IRP Handbook", version 3.0, and the Stage 2B Sampling and Analysis Plan, January, 1993 and were evaluated according to the following parameters:

- Data completeness
- Holding times
- GC/MS tuning
- * Initial and continuing calibrations
- * Laboratory and field blank analyses
- Surrogate spike recoveries
- * Laboratory control spike/laboratory control spike duplicate results
- Internal standards performance
- Instrument performance
- Detection limits
- Sample quantitation

The symbol (*) indicates that quality control criteria were not met for this parameter. Problems affecting data usability are discussed below and the attached Table 1 summarizes the validation qualifications. Matrix Spike/Matrix Spike Duplicate results were not evaluated since the unspiked sample was not reviewed.

Volatiles

There were several initial calibration Percent Relative Standard Deviation (%RSD) for acetone, methylene chloride, trans-1,2-dichloroethene and 2-butanone that exceeded the 30% quality control criteria. No actions were necessary since either nondetects were reported for these compounds or positive results were qualified due to blank contamination.

Several continuing calibration Percent Differences (%Ds) for carbon disulfide, 2-butanone, and 2-chloroethyl vinyl ether were greater than 50%. Nondetects for carbon disulfide and 2-chloro ethyl vinyl ether were qualified as estimated, "UJ", in the validated sample. No actions were necessary for 2-butanone since this result was qualified due to blank contamination.

Several continuing calibration %Ds for chloromethane, acetone, methylene chloride, and 1,1,2,2-tetrachloromethane exceeded the 25% quality control criteria. No actions were necessary since either nondetects were reported for these compounds or positive results were qualified due to blank contamination.

The following compounds were detected in the laboratory method and/or field quality control blanks at the maximum concentrations indicated below:

Compound	Maximum Concentration	Action Level
methylene chloride	1.3 µg/L	0.014 mg/Kg
acetone	0.0058 mg/Kg	0.058 mg/Kg
2-butanone	3.6 µg/L	0.018 mg/Kg
vinyl chloride	3.2 µg/L	0.016 mg/Kg

Sample Affected: ST-218-01-0709

Percent moisture, sample aliquot size, and dilution factors were taken into consideration during the application of all action levels. Positive results reported at concentrations above the reporting limit but less than the action level were qualified as undetected, "U". No actions were taken for methylene chloride and vinyl chloride since only nondetects were reported for these compounds in the affected sample.

Laboratory Control Spike/Laboratory Control Spike Duplicate (LCS/LCSD) associated with the analytical batch analyzed with 18 APR 94-D yielded high Percent Recoveries (%Rs) for carbon disulfide and styrene. Additionally, a high Relative Percent Difference (RPD) for carbon disulfide was reported. The positive result for styrene was qualified as estimated, "J", in the validated sample. No actions were necessary for carbon disulfide since only a nondetect was reported in the validated sample.

LCS/LCSD %Rs for dibromo chloromethane and vinyl acetate were low. Additionally, a high RPD was reported for vinyl acetate. Nondetects for these compounds were qualified as estimated, "UJ", in the validated sample. High RPDs were also reported for acetone and trichloroethene. No actions were taken based on these results of high RPDs because either nondetects were reported or these results were qualified due to blank contamination.

No other problems were noted.

Semivolatiles

The LCS/LCSD associated the analytical batch analyzed with SBLKFM yielded a low %Rs for 4-chloroaniline. No actions were necessary since only nondetects were reported for this compound in the affected sample.

No other problems were noted.

KIRTLAND AIR FORCE BASE
CASE NO. KRT2B, SDG ST218

TABLE 1 - RECOMMENDATION SUMMARY

Sample No.	VOA	BNA
ST-218-01-0709	A^1 $J^{1,2,3}$	

If the field is left blank, the qualifier is A - Accept all data.

A^1 - Accept data, but qualify positive results for acetone and 2-butanone as undetected, "U", as a result of blank contamination.

J^1 - Estimate, "UJ", nondetects for carbon disulfide and 2-chloroethyl vinyl ether because %Ds > 50%.

J^2 - Estimate, "J", positive result for styrene due to high LCS/LCSD recovery.

J^3 - Estimate, "UJ", nondetects for dibromochloromethane and vinyl acetate due to low LCS/LCSD recoveries.

Brown & Root Environmental

INTERNAL MEMORANDUM

TO: Karin Crandall

DATE: August 31, 1994

FROM: James Cao

COPIES: File 2A56

SUBJECT: ORGANIC DATA VALIDATION - VOA/BNA
KIRTLAND AIR FORCE BASE, RFI DATA
CASE NO. KRT2B, SDG NO. ST219

SAMPLES: Soil: ST-219-03-1216, ST-219-04-2224

Enseco and Halliburton NUS Laboratories analyzed 14 soil samples, 2 aqueous rinsate blanks, and 2 trip blanks for Target Compound List (TCL) volatile and semivolatile organic compounds. Two field duplicate pairs were included with this analytical data set. The trip blanks were analyzed only for volatile organic compounds. This memorandum only addresses the evaluation of the two soil samples listed above since only ten percent of all the data will be reviewed.

The data for these analyses were reviewed with reference to the EPA "Functional Guidelines for Organic Data Validation", EPA SW-846 Methods 8240 and 8270, the "Brooks Air Force Base IRP Handbook", version 3.0, and the Stage 2B Sampling and Analysis Plan, January, 1993 and were evaluated according to the following parameters:

- Data completeness
- Holding times
- GC/MS tuning
- * Initial and continuing calibrations
- * Laboratory and field blank analyses
- Surrogate spike recoveries
- * Laboratory control spike/laboratory control spike duplicate results
- Internal standards performance
- Matrix spike/matrix spike duplicate results
- Instrument performance
- Detection limits
- Sample quantitation

The symbol (*) indicates that quality control criteria were not met for this parameter. Problems affecting data usability are discussed below and the attached Table 1 summarizes the validation qualifications. Field duplicate results were not evaluated since the samples that comprise the field duplicate pairs were not selected for validation. Additionally, the matrix spike/matrix spike duplicate results were not evaluated since the unspiked sample was not reviewed.

Volatiles

Initial calibration Percent Relative Standard Deviations (%RSDs) for acetone, methylene chloride, trans-1,2-dichloroethene, and 2-butanone exceeded the 30% quality control criteria. Positive results for methylene chloride and 2-butanone were qualified as estimated, "J" in the validated samples. No actions were necessary for trans-1,2-dichloroethene since only nondetects were reported for this compound in the validated sample. Nondetects are not compromised by this noncompliance.

Continuing calibration Percent Difference (%D) for acetone was greater than 50%. Only a nondetect was reported for this compound in the affected sample and this nondetect was qualified as estimated, "UJ".

Continuing calibration (May 3, 1994) %Ds for chloromethane, methylene chloride, trans-1,2-dichloroethene, 1,1-dichloroethane, vinyl acetate, 2-butanone, and 1,1,2,2-tetrachloroethane were greater than the 25% quality control criteria. No actions were taken for these compounds since only nondetects were reported for these compounds in the affected sample. Only positive results are affected by this noncompliance.

Continuing calibration (May 4, 1994) %Ds for chloromethane, carbon disulfide, acetone, methylene chloride, and 2-butanone that exceeded the 25% quality control criteria. Positive results for 2-butanone and methylene chloride were qualified as estimated, "J", in the affected sample. No actions were taken for the remaining compounds since only nondetects were reported for these compounds in the affected validated sample.

The following compounds were detected in the laboratory method and field quality control blanks at the maximum concentrations indicated below:

Compound	Maximum Concentration	Action Level
acetone	0.0075 mg/kg	0.075 mg/kg
1,2-dichloroethene*	1.9 µg/L	0.0095 mg/kg

* - Maximum concentration detected in the field quality control blanks.

Samples Affected: ST-219-03-1216, ST-219-04-2224

Percent moisture, sample aliquot size, and dilution factors were taken into consideration during the application of all action levels. No actions were taken for these compounds since only nondetects were reported for these compounds in the affected samples.

Laboratory Control Spike/Laboratory Control Spike Duplicate (LCS/LCSD) associated with the analytical batch analyzed with 03MAY94-D yielded high Percent Recoveries

(%Rs) for trans-1,3-dichloropropene, styrene, and xylenes (total) and low %Rs for acetone and carbon disulfide. Positive results reported for xylenes (total) were qualified as estimated, "J". Nondetects for acetone and carbon disulfide were qualified as estimated, "UJ", in the validated sample. No actions were required for the remaining compounds since they were reported as nondetects. Additionally, high Relative Percent Differences (RPDs) were reported for 2-butanone and 1,1,2,2-tetrachloroethane. Only nondetects were reported for these compounds in the affected sample. No actions were taken since only positive results are affected by high RPDs.

The LCS/LCSD associated with the analytical batch analyzed with 04MAY94-D yielded a low %R for acetone and high %Rs for carbon disulfide and styrene. The nondetect for acetone was qualified as estimated, "UJ", in the validated sample. No actions were taken for these compounds in the affected sample since they were all reported as nondetects. Additionally, high RPDs were reported for acetone, 2-butanone, carbon disulfide, carbon tetrachloride, 1,2-dichloroethene, methylene chloride, and trichloroethene. Positive results reported for 2-butanone and methylene chloride were qualified as estimated, "J". No actions were taken for the remaining compounds with high RPDs since only nondetects were reported for these compounds in the affected sample.

No other problems were noted.

Semivolatiles

Continuing calibration %D for 2,4-dinitrophenol exceeded 50%. The nondetect for this compound in the affected sample was qualified as estimated, "UJ".

Several continuing calibration %D for benzoic acid, 4-nitroaniline, 4,6-dinitro-2-methylphenol, and 3,3-dichlorobenzidine exceeded the 25% quality control criteria. None of these compounds were detected in the validated samples therefore no actions were necessary.

The LCS/LCSD associated with the analytical batch analyzed with SBLKFV yielded high %Rs for 1,2,4-trichlorobenzene, hexachlorobutadiene, and dimethylphthalate. No actions were necessary since only nondetects were reported for these compounds in the affected samples and nondetects were not considered to be compromised by this noncompliance.

No other problems were noted.

KIRTLAND AIR FORCE BASE
CASE KRT2B, SDG ST219

TABLE 1 - RECOMMENDATION SUMMARY

Sample No.	VOA	BNA
ST-219-03-1216	$J^{2,4,6}$	J^{8}
ST-219-04-2224	$J^{1,3,5,7}$	

If the field is left blank, the qualifier is A - Accept all data.

J^{1} - Estimate, "J", positive results for methylene chloride and 2-butanone as a result of initial calibration %RSDs > 30%.

J^{2} - Estimate, "UJ", nondetect for acetone as a result of continuing calibration %Ds > 50%.

J^{3} - Estimate, "J", positive results for methylene chloride and 2-butanone as a result of continuing calibration %Ds > 25%.

J^{4} - Estimate, "J", positive result for xylene as a result of high LCS/LCSD %Rs.

J^{5} - Estimate, "J", positive result for methylene chloride and 2-butanone as a result of high LCS/LCSD %RPDs.

J^{6} - Esimate, "UJ", nondetect for acetone and carbon disulfide due to low LCS/LCSD recoveries.

J^{7} - Estimated, "UJ", nondetect for acetone due to low LCS/LCSD recoveries.

J^{8} - Estimate, "UJ", nondetects for 2,4-dinitrophenol as a result of continuing calibration %Ds > 50%.

Brown & Root Environmental

INTERNAL MEMORANDUM

TO: KARIN CRANDALL

DATE: AUGUST 15, 1994

FROM: JAMES CAO

COPIES: FILE 2A56

SUBJECT: ORGANIC DATA VALIDATION - VOA/BNA
KIRTLAND AIR FORCE BASE
CASE KRT2B, SDG ST219S

SAMPLES: Soils: ST-219-08-3032

Ceimic Laboratories analyzed 13 soil samples, 2 aqueous rinsate blanks, and 2 trip blanks for Target Compound List (TCL) volatile and semivolatile organic compounds. No field duplicate pair was included with this analytical data set. The trip blanks were analyzed only for volatile organic compounds. This memorandum only addresses the evaluation of the one soil sample listed above since only ten percent of all the data will be reviewed.

The data for these analyses were reviewed with reference to the EPA "Functional Guidelines for Organic Data Validation", EPA SW-846 Methods 8240 and 8270, the "Brooks Air Force Base IRP Handbook", version 3.0, and the Stage 2B Sampling and Analysis Plan, January, 1993 and were evaluated according to the following parameters:

- Data completeness
- Holding times
- GC/MS tuning
- * Initial and continuing calibrations
- * Laboratory and field blank analyses
- Surrogate spike recoveries
- Laboratory control spike/laboratory control spike duplicate results
- Internal standards performance
- Instrument performance
- Detection limits
- Sample quantitation

The symbol (*) indicates that quality control criteria were not met for this parameter. Problems affecting data usability are discussed below and the attached Table 1 summarizes the validation qualifications. Field duplicate results were not evaluated since the samples that comprise the field duplicate pair were not selected for validation. Additionally, the matrix spike/matrix spike duplicate results were not evaluated since the unspiked sample was not reviewed.

Volatiles

Continuing calibration Percent Differences (%Ds) for chloroethane and 1,1-dichloroehtene were greater than the 25% quality control criteria. Only nondetects were reported for these compounds in the validated sample. No actions were taken for these compounds since only positive results are affected by this noncompliance.

No other problems were noted.

Semivolatiles

An initial calibration Percent Relative Standard Deviation (%RSD) for benzo(k)-fluoranthene exceeded the 30% quality control criteria. Only nondetect was reported for this compound in the validated sample and nondetects are not compromised by this noncompliance.

Continuing calibration Percent Differences (%Ds) for bis(2-chloroethyl)ether, n-nitrosodiphenylamine, and di-n-octylphthalate exceeded the 25% quality control criteria. No actions were taken for these compounds since only nondetect were reported for these compounds in the validated sample.

No contaminants were detected in the laboratory method blanks. The following contaminants were detected in the field quality control blanks at the following maximum concentrations:

Compound	Maximum Concentration	Action Level
bis(2-ethylhexyl)phthalate	2 µg/L	20 µg/kg
naphthalene	2 µg/L	10 µg/kg

Sample Affected: ST-219-08-3032

Percent moisture, sample aliquot size, and dilution factors were taken into consideration during the application of all action levels. No action were taken for bis(2-ethylhexyl)phthalate and naphthalene since only nondetects were reported for these compounds in the validated sample.

No other problems were noted.

KIRTLAND AIR FORCE BASE
CASE KRT2B, SDG ST219S

TABLE 1 - RECOMMENDATION SUMMARY

Sample No.	VOA	BNA
ST-219-08-3032		

If the field is left blank, the qualifier is A - Accept all data.

Brown & Root Environmental

INTERNAL MEMORANDUM

TO: KARIN CRANDALL

DATE: SEPTEMBER 1, 1994

FROM: JAMES CAO

COPIES: FILE 2A56

SUBJECT: ORGANIC DATA VALIDATION - VOA/BNA
KIRTLAND AIR FORCE BASE
CASE KRT2B, SDG ST219T

SAMPLES: Soils: ST-219-11-7072

Ceimic Laboratories analyzed 9 soil samples, 1 aqueous rinsate blank, and 1 trip blank for Target Compound List (TCL) volatile and semivolatile organic compounds. Two field duplicate pairs were included with this analytical data set. The trip blanks were analyzed only for volatile organic compounds. This memorandum only addresses the evaluation of the one soil sample listed above since only ten percent of all the data will be reviewed.

The data for these analyses were reviewed with reference to the EPA "Functional Guidelines for Organic Data Validation", EPA SW-846 Methods 8240 and 8270, the "Brooks Air Force Base IRP Handbook", version 3.0, and the Stage 2B Sampling and Analysis Plan, January, 1993 and were evaluated according to the following parameters:

- Data completeness
- Holding times
- GC/MS tuning
- * Initial and continuing calibrations
- Laboratory and field blank analyses
- Surrogate spike recoveries
- Laboratory control spike/laboratory control spike duplicate results
- Internal standards performance
- Instrument performance
- Detection limits
- Sample quantitation

The symbol (*) indicates that quality control criteria were not met for this parameter. Problems affecting data usability are discussed below and the attached Table 1 summarizes the validation qualifications. Field duplicate results were not evaluated since the samples that comprise the field duplicate pairs were not selected for validation. Additionally, the matrix spike/matrix spike duplicate results were not evaluated since the unspiked sample was not reviewed.

Volatiles

Continuing calibration Percent Difference (%D) for methylene chloride was greater than the 25% quality control criteria. No actions were taken for methylene chloride since only a nondetect was reported for this compound in the validated sample. Only positive results are affected by this noncompliance.

Several compounds were reported by the laboratory at concentrations below the Reporting Limit (RL). These results were qualified as estimated, "J", because thee results are not reported with 99% confidence.

No other problems were noted.

Semivolatiles

Continuing calibration %D for 2,4-dinitrophenol exceeded the 50% quality control criteria. The nondetect for this compound in the validated sample was qualified as estimated, "UJ".

The continuing calibration %Ds for hexachlorocyclopentadine, hexachlorobutadine, 4-nitrophenol, 4,6-dinitro-2-methylphenol, and pentachlorophenol were greater than the 25% quality control criteria. No actions were necessary as only nondetects were reported for these compounds in the validated sample. Nondetects are not compromised by this noncompliance.

No other problems were noted.

KIRTLAND AIR FORCE BASE
CASE KRT2B, SDG ST219T

TABLE 1 - RECOMMENDATION SUMMARY

Sample No.	VOA	BNA
ST-219-11-7072	J^1	J^2

If the field is left blank, the qualifier is A - Accept all data.

J^1 - Estimate, "J", positive results for benzene, toluene, chlorobenzene, and ethylbenzene since these results were detected by the laboratory at concentrations below the reporting limit.

J^2 - Estimate, "UJ", nondetect for 2,4-dichlorophenol as a result of continuing calibration %D > 50%.

Brown & Root Environmental

INTERNAL MEMORANDUM

TO: KARIN CRANDALL **DATE:** AUGUST 26, 1994

FROM: DWAYNE MOCK **COPIES:** FILE 2A56

SUBJECT: ORGANIC DATA VALIDATION - VOA/BNA
KIRTLAND AIR FORCE BASE
CASE KRT2B, SDG ST219U

SAMPLES: Soils: ST-219-99-4044

Ceimic Corporation analyzed 3 soil samples for Target Compound List (TCL) volatile and semivolatile organic compounds. No field quality control blanks and field duplicate pair were included with this analytical data set. This memorandum only addresses the evaluation of the one soil sample listed above since only ten percent of all the data will be reviewed.

The data for these analyses were reviewed with reference to the EPA "Functional Guidelines for Organic Data Validation", EPA SW-846 Methods 8240 and 8270, the "Brooks Air Force Base IRP Handbook", version 3.0, and the Stage 2B Sampling and Analysis Plan, January, 1993 and were evaluated according to the following parameters:

- Data completeness
- Holding times
- GC/MS tuning
- * Initial and continuing calibrations
- Laboratory and field blank analyses
- Surrogate spike recoveries
- Laboratory control spike/laboratory control spike duplicate results
- Internal standards performance
- Instrument performance
- Detection limits
- Sample quantitation

The symbol (*) indicates that quality control criteria were not met for this parameter. Problems affecting data usability are discussed below and the attached Table 1 summarizes the validation qualifications. Matrix spike/matrix spike duplicate results were not evaluated since the unspiked sample was not reviewed.

Volatiles

The laboratory reported several compounds at concentrations below the Reporting Limit (RL). These compounds were qualified as estimated, "J", because these results are not reported with 99% confidence.

No other problems were noted.

Semivolatiles

Initial calibration %RSDs for 3-nitroaniline exceeded the 30% quality control criteria. No actions were necessary because only nondetects were reported for this compound in the validated samples. Nondetects are not compromised by this noncompliance.

Continuing calibration %Ds for carbazole, 3,3'-dichlorobenzidine, di-n-octylphthalate, and 3-nitroaniline exceeded 50%. Nondetects for these analytes in the validated sample were qualified as estimated, "UJ". No positive results were reported for these compounds in the validated sample.

Continuing calibration %Ds for 2,2'-oxybis(1-chloropropane), 2,4-dinitrophenol, 4-nitroaniline, bis(2-ethylhexyl)phthalate, and benzo(k)fluoranthene exceeded the 25% quality control criteria. No actions were necessary because only nondetects were reported for these compounds in the validated sample. Nondetects are not compromised by this noncompliance.

No other problems were noted.

KIRTLAND AIR FORCE BASE
CASE KRT2B, SDG ST219U

TABLE 1 - RECOMMENDATION SUMMARY

Sample No.	VOA	BNA
ST-219-99-4044	J^1	J^2

If the field is left blank, the qualifier is A - Accept all data.

J^1 - Estimate, "J", positive result for bis(2-ethylhexyl)phthalate because these results were reported below the laboratory reporting limit.

J^2 - Estimate, "UJ", nondetects for 3-nitroaniline, carbazole and 3,3'-dichloro-benzidine, and di-n-octylphthalate as a result of continuing calibration %Ds > 50%.

Brown & Root Environmental

INTERNAL MEMORANDUM

TO: KARIN CRANDALL

DATE: AUGUST 26, 1994

FROM: DWAYNE MOCK

COPIES: FILE 2A56

SUBJECT: ORGANIC DATA VALIDATION - VOA/BNA
KIRTLAND AIR FORCE BASE
CASE KRT2B, SDG ST219Y

SAMPLES: Soils: ST-219-99-3034

Ceimic Corporation analyzed 4 soil samples and 1 trip blank for Target Compound List (TCL) volatile and semivolatile organic compounds. No field duplicate pair was included with this analytical data set. The trip blank was analyzed only for volatile organic compounds. This memorandum only addresses the evaluation of the one soil sample listed above since only ten percent of all the data will be reviewed.

The data for these analyses were reviewed with reference to the EPA "Functional Guidelines for Organic Data Validation", EPA SW-846 Methods 8240 and 8270, the "Brooks Air Force Base IRP Handbook", version 3.0, and the Stage 2B Sampling and Analysis Plan, January, 1993 and were evaluated according to the following parameters:

- Data completeness
- Holding times
- GC/MS tuning
- * Initial and continuing calibrations
- Laboratory and field blank analyses
- Surrogate spike recoveries
- Laboratory control spike/laboratory control spike duplicate results
- Internal standards performance
- Instrument performance
- Detection limits
- Sample quantitation

The symbol (*) indicates that quality control criteria were not met for this parameter. Problems affecting data usability are discussed below and the attached Table 1 summarizes the validation qualifications. Matrix spike/matrix spike duplicate results were not evaluated since the unspiked sample was not reviewed.

Volatiles

Initial calibration Percent Relative Standard Deviations (%RSDs) for acetone and 2-butanone exceeded the 30% quality control criteria. No actions were necessary since only nondetects were reported for these compounds in the validated sample. Nondetects are not compromised by this noncompliance.

No other problems were noted.

Semivolatiles

Initial calibration %RSDs for 3-nitroaniline exceeded the 30% quality control criteria. No actions were necessary because only a nondetect was reported for this compound in the validated sample. Nondetects are not compromised as a result of this noncompliance.

Continuing calibration %Ds for carbazole and 3,3'-dichlorobenzidine exceeded 50%. The nondetects for these analytes in the validated sample were qualified as estimated, "UJ".

Continuing calibration %Ds for 3-nitroaniline and 4-nitroaniline exceeded the 25% quality control criteria. No actions were necessary because only nondetects were reported for these compounds in the validated sample. Nondetects are not compromised as a result of this noncompliance.

No other problems were noted.

KIRTLAND AIR FORCE BASE
CASE KRT2B, SDG ST219Y

TABLE 1 - RECOMMENDATION SUMMARY

Sample No.	VOA	BNA
ST-219-99-3034		J[1]

If the field is left blank, the qualifier is A - Accept all data.

J[1] - Estimate, "UJ", nondetects for carbazole and 3,3'-dichlorobenzidine as a result of continuing calibration %Ds > 50%.

Brown & Root Environmental

INTERNAL MEMORANDUM

TO: KARIN CRANDALL **DATE:** AUGUST 26, 1994

FROM: DWAYNE MOCK **COPIES:** FILE 2A56

SUBJECT: ORGANIC DATA VALIDATION - VOA/BNA
KIRTLAND AIR FORCE BASE
CASE KRT2B, SDG ST219Z

SAMPLES: Soils: ST-219-11-100102, ST-219-12-1012

Ceimic Corporation analyzed 9 soil samples, 2 aqueous rinsate blanks, and 3 trip blanks for Target Compound List (TCL) volatile and semivolatile organic compounds. No field duplicate pair was included with this analytical data set. The trip blanks were analyzed only for volatile organic compounds. This memorandum only addresses the evaluation of the two soil samples listed above since only ten percent of all the data will be reviewed.

The data for these analyses were reviewed with reference to the EPA "Functional Guidelines for Organic Data Validation", EPA SW-846 Methods 8240 and 8270, the "Brooks Air Force Base IRP Handbook", version 3.0, and the Stage 2B Sampling and Analysis Plan, January, 1993 and were evaluated according to the following parameters:

- Data completeness
- Holding times
- GC/MS tuning
- * Initial and continuing calibrations
- * Laboratory and field blank analyses
- Surrogate spike recoveries
- Laboratory control spike/laboratory control spike duplicate results
- Internal standards performance
- Instrument performance
- Detection limits
- Sample quantitation

The symbol (*) indicates that quality control criteria were not met for this parameter. Problems affecting data usability are discussed below and the attached Table 1 summarizes the validation qualifications. Matrix spike/matrix spike duplicate results were not evaluated since the unspiked sample was not reviewed.

Volatiles

The following compounds were detected in the laboratory method blanks at the maximum concentration indicated below.

Compound	Maximum Concentration	Action Level
benzene	2 ug/kg	20 ug/kg
toluene	2 ug/kg	20 ug/kg

Samples Affected: ST-219-11-100102, ST-219-12-1012

Percent moisture, sample aliquot, and dilution factors were taken into consideration during the application of all action levels. Positive results for toluene reported at concentrations above the reporting limit but less than the action level were qualified as undetected, "U". No actions were necessary for benzene since only nondetects were reported for this compound in the validated samples.

No other problems were noted.

Semivolatiles

Initial calibration %RSDs for 3-nitroaniline exceeded the 30% quality control criteria. No actions were necessary because only nondetects were reported for this compound in the validated samples.

Continuing calibration %Ds for carbazole and 3,3'-dichlorobenzidine exceeded 50%. Nondetects for these analytes in the validated samples were qualified as estimated, "UJ".

Continuing calibration %Ds for 2,2'-oxybis(1-chloropropane), 3-nitroaniline, 4-nitroaniline, and di-n-octylphthalate exceeded the 25% quality control criteria. No actions were necessary because only nondetects were reported for these compounds in the validated samples. Nondetects are not compromised as a result of this noncompliance.

The following compound was detected in the laboratory method blanks at the maximum concentration indicated below.

Compound	Maximum Concentration	Action Level
chrysene	3 ug/l	15 ug/kg

Samples Affected: ST-219-11-100102, ST-219-12-1012

Percent moisture, sample aliquot, and dilution factors were taken into consideration during the application of all action levels. No actions were necessary for chrysene since only nondetects were reported for this compound in the validated samples.

The laboratory reported bis(2-ethylhexyl)phthalate in one sample at a concentration below the Reporting Limit (RL). This compound was qualified as estimated, "J", because this result is not reported with 99% confidence.

No other problems were noted.

KIRTLAND AIR FORCE BASE
CASE KRT2B, SDG ST219Z

TABLE 1 - RECOMMENDATION SUMMARY

Sample No.	VOA	BNA
ST-219-11-100102	A[1]	J[1]
ST-219-12-1012		J[1,2]

If the field is left blank, the qualifier is A - Accept all data.

A[1] - Accept data, but qualify positive result for toluene as undetected, "U", as a result of blank contamination.

J[1] - Estimate, "UJ", nondetects for carbazole and 3,3'-dichlorobenzidine as a result of continuing calibration %Ds > 50%.

J[2] - Estimate,"J", positive result for bis(2-ethylhexyl)phthalate because this result was reported below the reporting limit.

Brown & Root Environmental

INTERNAL MEMORANDUM

TO: Karin Crandall

DATE: August 31, 1994

FROM: Dwayne Mock

COPIES: File 2A56

SUBJECT: ORGANIC DATA VALIDATION - VOA/BNA
KIRTLAND AIR FORCE BASE, RFI DATA
CASE NO. KRT2B, SDG NO. ST221

SAMPLE: Soil: ST-221-02-1315

Halliburton NUS Laboratories and Enseco analyzed 18 soil samples, 1 rinsate blank, and 1 trip blank for Target Compound List (TCL) volatile and semivolatile organic compounds. The trip blank was analyzed only for TCL volatile organic compounds. Two field duplicate pairs were included with this analytical data set. This memorandum only addresses the evaluation of the one soil sample listed above since only ten percent of all the data will be reviewed.

The data for these analyses were reviewed with reference to the EPA "Functional Guidelines for Organic Data Validation", EPA SW-846 Methods 8240 and 8270 the "Brooks Air Force Base IRP Handbook", version 3.0, and the Stage 2B Sampling and Analysis Plan, January, 1993 and were evaluated according to the following parameters:

- Data completeness
- Holding times
- GC/MS tuning
- * Initial and continuing calibrations
- * Laboratory blank analyses
- * Surrogate spike recoveries
- * Laboratory control spike/laboratory control spike duplicate results
- Internal standards performance
- Instrument performance
- Detection limits
- Sample quantitation

The symbol (*) indicates that quality control criteria were not met for this parameter. Problems affecting data usability are discussed below and the attached Table 1 summarizes the validation qualifications. The matrix spike/matrix spike duplicate results were not evaluated since the unspiked sample was not reviewed. Field duplicate results were not evaluated since the samples that comprise the field duplicate pair were not selected for validation.

Volatiles

Continuing calibration %Ds for chloromethane, acetone, and 2-hexanone exceeded the 25% quality control criteria. No actions were necessary for these compounds because only nondetects were reported for these compounds in the validated sample. Nondetects are not compromised by this noncompliance.

The following compounds were detected in the laboratory method blanks at the maximum concentrations indicated below:

Compound	Maximum Concentration	Action Level
acetone	0.0042 mg/kg	0.042 mg/kg
bromomethane	0.0037 mg/kg	0.019 mg/kg
carbon disulfide	0.0042 mg/kg	0.021 mg/kg
chloroethane	0.0051 mg/kg	0.026 mg/kg
chloromethane	0.0030 mg/kg	0.015 mg/kg
methylene chloride	0.0055 mg/kg	0.055 mg/kg
vinyl chloride	0.0034 mg/kg	0.017 mg/kg

Sample Affected: ST-221-02-1315

Percent moisture, sample aliquot size, and dilution factors were taken into consideration during the application of all action levels. Positive results reported at concentrations above the reporting limit but less than the action level were qualified as undetected "U". No actions were necessary for acetone, bromomethane, carbon disulfide, chloroethane, chloromethane, and vinyl chloride since only nondetects were reported for these compounds in the validated sample.

Laboratory Control Spike/Laboratory Control Spike Duplicate (LCS/LCSD) yielded high Percent Recoveries (%Rs) for acetone, carbon disulfide, 2-hexanone, and styrene. No actions were necessary for these compounds because only nondetects were reported for these compounds in the validated sample. Nondetects are not compromised by this noncompliance.

No other problems were noted.

Semivolatiles

Continuing calibration %Ds for 2,4-dinitrophenol, 4-chlorophenyl-phenylether, 3,3'-dichlorobenzidine, and benzo(k)fluoranthene exceeded the 25% quality control criteria. No actions were necessary since only nondetects were reported for these compounds in the validated sample.

The surrogate %Rs for the spiked compounds 2-fluorobiphenyl and terphenyl-d14 exceeded quality control limits in the validated sample. The positive result for di-n-butylphthalate of the base-neutral fraction was qualified as estimated, "J". Nondetects were not affected by this noncompliance.

The LCS/LCSD yielded high %Rs for 1,2,4-trichlorobenzene, hexachlorobutadiene, diethylphthalate, 4-nitroaniline, hexachlorocyclopentadiene, and dimethylphthalate. No actions were necessary since only nondetects were reported for these compounds in the validated samples. Nondetects are not compromised as a result of this noncompliance.

No other problems were noted.

KIRTLAND AIR FORCE BASE
CASE KRT2B, SDG ST221

TABLE 1 - RECOMMENDATION SUMMARY

Sample No.	VOA	BNA
ST-221-02-1315	A[1]	J[1]

If the field is left blank, the qualifier is A - Accept all data.

A[1] - Accept data, but qualify positive result for methylene chloride as undetected, "U", as a result of laboratory method blank contamination.

J[1] - Estimate, "J", positive results for di-n-butylphthalate as a result of high surrogate recoveries for the base-neutral fraction.

Brown & Root Environmental

INTERNAL MEMORANDUM

TO: Karin Crandall

DATE: August 11, 1994

FROM: Dwayne Mock

COPIES: File 2A56

SUBJECT: ORGANIC DATA VALIDATION - VOA/BNA
KIRTLAND AIR FORCE BASE, RFI DATA
CASE NO. KRT2B, SDG NO. ST222

SAMPLES: Soil: ST-222-02-1315, ST-222-03-1315

Halliburton NUS Laboratories and Enseco analyzed 6 soil samples, 1 rinsate blank, and 1 trip blank for Target Compound List (TCL) volatile and semivolatile organic compounds. The trip blanks were analyzed only for TCL volatile organic compounds. This memorandum only addresses the evaluation of the two soil samples listed above since only ten percent of all the data will be reviewed.

The data for these analyses were reviewed with reference to the EPA "Functional Guidelines for Organic Data Validation", EPA SW-846 Methods 8240 and 8270 the "Brooks Air Force Base IRP Handbook", version 3.0, and the Stage 2B Sampling and Analysis Plan, January, 1993 and were evaluated according to the following parameters:

- Data completeness
- Holding times
- GC/MS tuning
- * Initial and continuing calibrations
- * Laboratory blank analyses
- Surrogate spike recoveries
- Laboratory control spike/laboratory control spike duplicate results
- Internal standards performance
- Instrument performance
- Detection limits
- Sample quantitation

The symbol (*) indicates that quality control criteria were not met for this parameter. Problems affecting data usability are discussed below and the attached Table 1 summarizes the validation qualifications. Field duplicate results were not evaluated since the samples that comprise the field duplicate pair were not reviewed. Additionally, the matrix spike/matrix spike duplicate results were not evaluated since the unspiked sample was not reviewed.

Volatiles

Continuing calibration Percent Differences (%Ds) for acetone and 2-hexanone exceeded the 25% quality control criteria. No actions were necessary because positive results for acetone were previously qualified as a result of blank contamination and only nondetects were reported for 2-hexanone in the validated samples.

The following compounds were detected in the laboratory method and field quality control blanks at the maximum concentrations indicated below:

Compound	Maximum Concentration	Action Level
acetone*	3.6 ug/L	0.036 mg/Kg
methylene chloride	0.006 mg/Kg	0.060 mg/Kg

* - Maximum concentration detected in the field quality control blanks.

Samples Affected: ST-222-02-1315, ST-222-03-1315

Percent moisture, sample aliquot size, and dilution factors were taken into consideration during the application of all action levels. Positive results reported at concentrations above the detection limit but less than the action level were qualified as undetected "U".

No other problems were noted.

Semivolatiles

One initial calibration Relative Standard Deviation (%RSD) for 3-nitroaniline exceeded the 30% quality control criteria. No actions were necessary since only nondetects were reported for this compound in the validated samples.

Continuing calibration %Ds for hexachlorocyclopentadiene and 3,3'-dichlorobenzidine exceeded 50%. The nondetects reported for these compounds in the validated samples were qualified as estimated, "UJ". No positive results were reported for these compounds in the two validated soil samples.

Several continuing calibration %Ds for benzoic acid, 2,4,5-tri-chlorophenol, 3-nitroaniline, 2,4-dinitrophenol, 4-nitrophenol, 2,4-dinitrotoluene, 4-nitroaniline, and 4,6-dinitro-2-methyl-phenol exceeded the 25% quality control criteria. No actions were taken since only nondetects were reported for these compounds in the validated samples.

No other problems were noted.

KIRTLAND AIR FORCE BASE
CASE KRT2B, SDG ST222

TABLE 1 - RECOMMENDATION SUMMARY

Sample No.	VOA	BNA
ST-222-02-1315	$A^{1,2}$ J^{1}	$J^{2,3}$
ST-222-03-1315	A^{2}	$J^{2,3}$

If the field is left blank, the qualifier is A - Accept all data.

A^{1} - Accept data, but qualify positive result for acetone as undetected, "U", as a result of laboratory method blank contamination.

A^{2} - Accept data, but qualify positive result for methylene chloride as undetected, "U", as a result of laboratory method blank contamination.

J^{1} - Estimate, "J", positive results reported at concentrations less than the Reporting Limit (RL).

J^{2} - Estimate, "UJ", nondetect because a continuing calibration %D exceeded 50% for hexachlorocyclo-pentadiene.

J^{3} - Estimate, "UJ", nondetect because a continuing calibration %D exceeded 50% for 3,3'-dichlorobenzidine.

Brown & Root Environmental

INTERNAL MEMORANDUM

TO: Karin Crandall

DATE: August 31, 1994

FROM: James Cao

COPIES: File 2A56

SUBJECT: ORGANIC DATA VALIDATION - VOA/BNA
KIRTLAND AIR FORCE BASE, RFI DATA
CASE NO. KRT2B, SDG NO. ST226

SAMPLES: Soil: ST-226-03-0306

Halliburton NUS Laboratories analyzed 11 soil samples, 1 aqueous rinsate blank, 1 ambient blank, and 1 trip blank for Target Compound List (TCL) volatile and semivolatile organic compounds. One field duplicate pair was included with this analytical data set. The trip blank was analyzed only for volatile organic compounds. This memorandum only addresses the evaluation of the one soil sample listed above since only ten percent of all the data will be reviewed.

The data for these analyses were reviewed with reference to the EPA "Functional Guidelines for Organic Data Validation", EPA SW-846 Methods 8240 and 8270, the "Brooks Air Force Base IRP Handbook", version 3.0, and the Stage 2B Sampling and Analysis Plan, January, 1993 and were evaluated according to the following parameters:

- Data completeness
- Holding times
- GC/MS tuning
- * Initial and continuing calibrations
- * Laboratory and field blank analyses
- Surrogate spike recoveries
- * Laboratory control spike/laboratory control spike duplicate results
- Internal standards performance
- Instrument performance
- Detection limits
- Sample quantitation

The symbol (*) indicates that quality control criteria were not met for this parameter. Problems affecting data usability are discussed below and the attached Table 1 summarizes the validation qualifications. Field duplicate results were not evaluated since the samples that comprise the field duplicate pairs were not selected for validation. Additionally, the matrix spike/matrix spike duplicate results were not evaluated since the unspiked sample was not reviewed.

Volatiles

The target compound 2-chloroethyl vinyl ether was not detected in the initial and continuing calibrations which affect the low level soil samples run on instrument GCMSC. The result reported for this compound was a nondetect. The nondetect was considered unreliable and was rejected, "R".

A continuing calibration Percent Difference (%D) for acetone exceeded 50%. The nondetect for acetone was qualified as estimated, "UJ", in the validated sample. Also, the %Ds for bromomethane, 2-butanone, and vinyl acetate were greater than the 25% quality control criteria. No actions were required for these compounds since only nondetects were reported in the validated sample.

The following compounds were detected in the laboratory method blanks at the maximum concentrations indicated below:

Compound	Maximum Concentration	Action Level
acetone	10 µg/kg	100 µg/kg
chlorobenzene	1.0 µg/kg	5 µg/kg

Affected Sample: ST-226-03-0306

Percent moisture, sample aliquot size, and dilution factors were taken into consideration during the application of all action levels. No actions were taken since only nondetects were reported for these compounds in the validated samples.

Laboratory Control Spike/Laboratory Control Spike Duplicate (LCS/LCSD) yielded a zero Percent Recovery (%R) for 2-chloroethyl vinyl ether. The nondetected result reported for this compound in the validated sample was considered to be unsable and was rejected, "R".

No other problems were noted.

Semivolatiles

Continuing calibration %D for bis(2-chloroisopropyl)ether exceeded 50%. The nondetect for this compound in the validated sample was qualified as estimated, "UJ". Also, continuing calibration %Ds for benzyl alcohol, 4-chloroaniline, 2-methylnaphthalene, 2,4-dinitrophenol, dibenzofuran, and benzylbutylphthalate were greater than the 25% quality control criteria. No actions were necessary since only nondetects were reported for these compounds in the validated sample. Nondetects are not compromised by this noncompliance.

The LCS/LCSD yielded a high percent recovery (%R) for dimethylphthalate and a low %R for 4-chloroaniline. The nondetect for 4-chloroaniline was qualified as estimated, "UJ", in the validated sample. No actions were necessary for dimethylphthalate since only a nondetect was reported for this compound in the validated sample and nondetects are not considered to be compromised by this noncompliance.

No other problems were noted.

KIRTLAND AIR FORCE BASE
CASE KRT2B, SDG ST226

TABLE 1 - RECOMMENDATION SUMMARY

Sample No.	VOA	BNA
ST-226-03-0306	J^1 R^1	$J^{2,3}$

If the field is left blank, the qualifier is A - Accept all data.

J^1 - Estimate, "UJ", nondetect for acetone as a result of continuing calibration %D > 50.

J^2 - Estimate, "UJ", nondetect for bis(2-chloroisopropyl)ether as a result of continuing calibration %D > 50.

J^3 - Estimate, "UJ", nondetect for 4-chloroaniline due to low LCS/LCSD recovery.

R^1 - Reject, "R", nondetected result for 2-chloroethyl vinyl ether as a result of initial and continuing calibration RRFs < 0.05 and extremely low LCS/LCSD %Rs.

Brown & Root Environmental

INTERNAL MEMORANDUM

TO: Karin Crandall **DATE:** August 31, 1994

FROM: James Cao **COPIES:** File 2A56

SUBJECT: **ORGANIC DATA VALIDATION - VOA/BNA**
KIRTLAND AIR FORCE BASE, RFI DATA
CASE NO. KRT2B, SDG NO. ST230

SAMPLES: Soil: ST-230-01-2022

Enseco and Halliburton NUS Laboratories analyzed 6 soil samples, 1 aqueous rinsate blank, and 1 trip blank for Target Compound List (TCL) volatile and semivolatile organic compounds. Two field duplicate pairs were included with this analytical data set. The trip blank was analyzed only for TCL volatile organic compounds. This memorandum only addresses the evaluation of the one soil sample listed above since only ten percent of all the data will be reviewed.

The data for these analyses were reviewed with reference to the EPA "Functional Guidelines for Organic Data Validation", EPA SW-846 Methods 8240 and 8270, the "Brooks Air Force Base IRP Handbook", version 3.0, and the Stage 2B Sampling and Analysis Plan, January, 1993 and were evaluated according to the following parameters:

- Data completeness
- Holding times
- GC/MS tuning
- * Initial and continuing calibrations
- Laboratory and field blank analyses
- Surrogate spike recoveries
- * Laboratory control spike/laboratory control spike duplicate results
- Internal standards performance
- Instrument performance
- Detection limits
- Sample quantitation

The symbol (*) indicates that quality control criteria were not met for this parameter. Problems affecting data usability are discussed below and the attached Table 1 summarizes the validation qualifications. Field duplicate results were not evaluated since the samples that comprise the field duplicate pair were not selected for validation. Additionally, the matrix spike/matrix spike duplicate results were not evaluated since the unspiked sample was not reviewed.

Volatiles

No problems were noted.

Semivolatiles

Continuing calibration %Ds for benzyl alcohol, 2,4-dinitrophenol, and 4-nitroaniline were greater than the 25% quality control criteria. No actions were necessary since only nondetects were reported for these compounds in the validated sample. Nondetects are not compromised by this noncompliance.

The Laboratory Control Spike/Laboratory control Spike Duplicate (LCS/LCSD) yielded high Percent Recoveries (%Rs) for dimethylphthalate and hexachloroethane. No actions were taken for these compounds since only nondetects were reported for these compounds in the validated sample and nondetects were not considered to be compromised by this noncompliance.

No other problems were noted.

KIRTLAND AIR FORCE BASE
CASE KRT2B, SDG ST230

TABLE 1 - RECOMMENDATION SUMMARY

Sample No.	VOA	BNA
ST-230-01-2022		

If the field is left blank, the qualifier is A - Accept all data.

Brown & Root Environmental

INTERNAL MEMORANDUM

TO: KARIN CRANDALL

DATE: AUGUST 15, 1994

FROM: JAMES CAO

COPIES: FILE 2A56

SUBJECT: ORGANIC DATA VALIDATION - VOA/BNA
KIRTLAND AIR FORCE BASE
CASE KRT2B, SDG ST231

SAMPLES: Soils: ST-231-02-1317

Enseco and Halliburton NUS Laboratories analyzed 8 soil samples, 1 aqueous rinsate blank, and 1 trip blank for Target Compound List (TCL) volatile and semivolatile organic compounds. This memorandum only addresses the evaluation of the one soil sample listed above since only ten percent of all the data will be reviewed.

The data for these analyses were reviewed with reference to the EPA "Functional Guidelines for Organic Data Validation", EPA SW-846 Methods 8240 and 8270, the "Brooks Air Force Base IRP Handbook", version 3.0, and the Stage 2B Sampling and Analysis Plan, January, 1993 and were evaluated according to the following parameters:

- Data completeness
- Holding times
- GC/MS tuning
- * Initial and continuing calibrations
- Laboratory and field blank analyses
- Surrogate spike recoveries
- * Laboratory control spike/laboratory control spike duplicate results
- Internal standards performance
- * Matrix spike/matrix spike duplicate results
- Instrument performance
- Detection limits
- Sample quantitation

The symbol (*) indicates that quality control criteria were not met for this parameter. Problems affecting data usability are discussed below and the attached Table 1 summarizes the validation qualifications.

Volatiles

No problems were noted.

Semivolatiles

Continuing calibration %D for 4-nitroaniline exceeded 50%. The nondetect for this compound in the validated sample was qualified as estimated, "UJ". Additionally, the %Ds for benzyl alcohol, bis(2-chloroisopropyl)ether, 2-methylnaphthalene, and dibenzofuran were greater than the 25% quality control criteria. No actions were necessary since only nondetects were reported for these compounds in the validated sample. Nondetects are not compromised by this noncompliance.

The Laboratory Control Spike/Laboratory Control Spike Duplicate (LCS/LCSD) yielded high Percent Recoveries (%Rs) for dimethylphthalate and hexachloroethane. No actions were necessary since only nondetects were reported for these compounds in the validated sample and nondetects are not compromised by this noncompliance.

The Maxtrix Spike/Matrix Spike Duplicate (MS/MSD) analyses of the validated sample yielded a low Percent Recovery (%R) for phenol and high %Rs for diethylphthalate, di-n-butylphthalate, and benzylbutylphthalate. The positive result for phenol was qualified as estimated, "J", in the unspiked sample. No actions were taken for the remaining compounds since they were reported as nondetects in the unspiked sample.

No other problems were noted.

KIRTLAND AIR FORCE BASE
CASE KRT2B, SDG ST231

TABLE 1 - RECOMMENDATION SUMMARY

Sample No.	VOA	BNA
ST-231-02-1317		J[1,2]

If the field is left blank, the qualifier is A - Accept all data.

J[1] - Estimate, "UJ", nondetect for 4-nitroaniline as a result of continuing calibration %D > 50%.

J[2] - Estimate, "J", positive result for phenol as a result of a low MS/MSD recovery.

Brown & Root Environmental

INTERNAL MEMORANDUM

TO: Karin Crandall

DATE: August 11, 1994

FROM: Dwayne Mock

COPIES: File 2A56

SUBJECT: **ORGANIC DATA VALIDATION - VOA/BNA**
KIRTLAND AIR FORCE BASE, RFI DATA
CASE NO. KRT2B, SDG NO. ST234

SAMPLES: Soil: ST-234-02-1316

Halliburton NUS Laboratories and Enseco analyzed 11 soil samples, 1 rinsate blank, and 1 trip blank for Target Compound List (TCL) volatile and semivolatile organic compounds. The trip blanks were analyzed only for TCL volatile organic compounds. This memorandum only addresses the evaluation of the one soil sample listed above since only ten percent of all the data will be reviewed.

The data for these analyses were reviewed with reference to the EPA "Functional Guidelines for Organic Data Validation", EPA SW-846 Methods 8240 and 8270 the "Brooks Air Force Base IRP Handbook", version 3.0, and the Stage 2B Sampling and Analysis Plan, January, 1993 and were evaluated according to the following parameters:

- Data completeness
- Holding times
- GC/MS tuning
- * Initial and continuing calibrations
- * Laboratory blank analyses
- Surrogate spike recoveries
- Laboratory control spike/laboratory control spike duplicate results
- Internal standards performance
- Instrument performance
- Detection limits
- Sample quantitation

The symbol (*) indicates that quality control criteria were not met for this parameter. Problems affecting data usability are discussed below and the attached Table 1 summarizes the validation qualifications. Field duplicate results were not evaluated since the samples that comprise the field duplicate pair were not reviewed. Additionally, the matrix spike/matrix spike duplicate results were not evaluated since the unspiked sample was not reviewed.

Volatiles

One continuing calibration Percent Difference (%D) for acetone exceeded the 25% quality control criteria. No actions were necessary because the positive result for

acetone in the validated sample was previously qualified as a result of blank contamination.

The following compounds were detected in the laboratory method and field quality control blanks at the maximum concentrations indicated below:

Compound	Maximum Concentration	Action Level
acetone*	2.3 ug/L	0.023 mg/Kg
methylene chloride	0.0063 mg/Kg	0.063 mg/Kg
tetrachloroethene*	14 ug/L	0.070 mg/Kg
1,1,1-trichloroethane*	6.1 ug/L	0.031 mg/Kg

* - Maximum concentration detected in the field quality control blank.

Samples Affected: ST-234-02-1316

Percent moisture, sample aliquot size, and dilution factors were taken into consideration during the application of all action levels. Positive results reported at concentrations above the detection limit but less than the action level were qualified as undetected "U". No actions were necessary for tetrachloroethene and 1,1,1-trichloroethane because only nondetects were reported for these compounds in the validated sample.

No other problems were noted.

Semivolatiles

One initial calibration Relative Standard Deviation (%RSD) for 3-nitroaniline exceeded the 30% quality control criteria. No actions were necessary since only a nondetect was reported for this compound in the validated sample.

Continuing calibration %Ds for 2,4-dinitrophenol exceeded 50%. The nondetect reported for this compound in the validated sample was qualified as estimated, "UJ".

Several continuing calibration %Ds for bis(2-chloroisopropyl) ether, N-nitroso-di-n-propylamine, hexachlorocyclopentadiene, 2,4,5-trichlorophenol, diethylphthalate, 4-nitroaniline, and 4,6-dinitro-2-methylphenol exceeded the 25% quality control criteria. No actions were taken since only nondetects were reported for these compounds in the validated samples.

No other problems were noted.

KIRTLAND AIR FORCE BASE
CASE KRT2B, SDG ST234

TABLE 1 - RECOMMENDATION SUMMARY

Sample No.	VOA	BNA
ST-234-02-1316	A[1]	J[1]

If the field is left blank, the qualifier is A - Accept all data.

A[1] - Accept data, but qualify positive result for methylene chloride as undetected, "U", as a result of laboratory method blank contamination.

J[1] - Estimate, "UJ", nondetect because a continuing calibration %D exceeded 50% for 2,4-dinitrophenol.

Brown & Root Environmental

INTERNAL MEMORANDUM

TO: Karin Crandall

DATE: August 30, 1994

FROM: Dwayne Mock

COPIES: File 2A56

SUBJECT: ORGANIC DATA VALIDATION - VOA/BNA
KIRTLAND AIR FORCE BASE, RFI DATA
CASE NO. KRT2B, SDG NO. ST235

SAMPLE: Soil: ST-235-01-0406

Halliburton NUS Laboratories and Enseco analyzed 9 soil samples, 1 rinsate blank, 1 ambient blank, and 1 trip blank for Target Compound List (TCL) volatile and semivolatile organic compounds. The trip blank was analyzed only for TCL volatile organic compounds. One field duplicate pairs were included with this data package. This memorandum only addresses the evaluation of the one soil sample listed above since only ten percent of all the data will be reviewed.

The data for these analyses were reviewed with reference to the EPA "Functional Guidelines for Organic Data Validation", EPA SW-846 Methods 8240 and 8270 the "Brooks Air Force Base IRP Handbook", version 3.0, and the Stage 2B Sampling and Analysis Plan, January, 1993 and were evaluated according to the following parameters:

- Data completeness
- Holding times
- GC/MS tuning
- * Initial and continuing calibrations
- * Laboratory blank analyses
- Surrogate spike recoveries
- * Laboratory control spike/laboratory control spike duplicate results
- Internal standards performance
- Instrument performance
- Detection limits
- Sample quantitation

The symbol (*) indicates that quality control criteria were not met for this parameter. Problems affecting data usability are discussed below and the attached Table 1 summarizes the validation qualifications. Field duplicate results were not evaluated since the samples that comprise the field duplicate pair were not reviewed. Additionally, the matrix spike/matrix spike duplicate results were not evaluated since the unspiked sample was not reviewed.

Volatiles

One continuing calibration Percent Difference (%D) for trans-1,3-dichloropropene exceeded 50%. The nondetect for this compound in the validated sample was qualified as estimated, "UJ".

Continuing calibration %Ds for chloromethane, bromomethane, carbon disulfide, methylene chloride, trans-1,2-dichloroethene, 2-chloroethyl vinyl ether, cis-1,3-dichloropropene, and bromoform exceeded the 25% quality control criteria. No actions were taken for methylene chloride since this compound was qualified as a result of blank contamination in the validated sample. No actions were necessary for the other compounds because only nondetects were reported for these compounds in the validated sample. Nondetects are not compromised by this noncompliance.

The following compounds were detected in the laboratory method blanks at the maximum concentrations indicated below:

Compound	Maximum Concentration	Action Level
acetone	3.4 ug/L	0.034 mg/kg
bromomethane	0.003 mg/kg	0.015 mg/kg
methylene chloride	0.0065 mg/kg	0.065 mg/kg

Samples Affected: ST-235-01-0406

Percent moisture, sample aliquot size, and dilution factors were taken into consideration during the application of all action levels. Positive results reported at concentrations above the reporting limit but less than the action level were qualified as undetected "U".

Laboratory Control Spike/Laboratory Control Spike Duplicate (LCS/LCSD) yielded low Percent Recoveries (%Rs) for acetone, 1,1,2-trichloroethane, vinyl acetate. The nondetects for 1,1,2-trichloroethane and vinyl acetate in the validated sample were qualified as estimated, "UJ". No actions were necessary for acetone since the result reported for this compound was qualified due to blank contamination.

The positive result reported by the laboratory for 2-butanone was below the Reporting Limit (RL). This result was qualified as estimated, "J", because this result is not reported with 99% confidence.

No other problems were noted.

Semivolatiles

An initial calibration Percent Relative Standard Deviation (%RSD) for 3-nitroaniline exceeded the 30% quality control criteria. No actions were necessary since only nondetects were reported for this compound in the validated sample.

One continuing calibration %Ds for 4,6-dinitro-2-methylphenol exceeded 50%. The nondetect for this compound in the validated sample was qualified as estimated, "UJ". Also, continuing calibration %Ds for 2,4,5-trichlorophenol, 3-nitroaniline, 2,4-dinitrophenol, 2,4-dinitrotoluene, 4-nitroaniline, and 3,3'-dichlorobenzidine exceeded the 25% quality control criteria. No actions were necessary since only nondetects were reported for these compounds in the validated sample.

The LCS/LCSD yielded high %Rs for 1,2,4-trichlorobenzene, hexachlorocyclopentadiene, and dimethylphthalate. No actions were necessary since only nondetects were reported for these compounds in the validated sample. Nondetects are not compromised as a result of this noncompliance.

No other problems were noted.

KIRTLAND AIR FORCE BASE
CASE KRT2B, SDG ST235

TABLE 1 - RECOMMENDATION SUMMARY

Sample No.	VOA	BNA
ST-235-01-0406	A[1,2] J[1,2,3]	J[4]

If the field is left blank, the qualifier is A - Accept all data.

A[1] - Accept data, but qualify positive result for acetone, bromomethane, and methylene chloride as undetected, "U", as a result of laboratory method blank contamination.

J[1] - Estimate, "UJ", nondetect for trans-1,3-dichloropropene because a continuing calibration %D exceeded 50%.

J[2] - Estimate, "UJ", nondetect for 1,1,2-trichloroethane, and vinyl acetate as a result of a low LCS/LCSD recovery.

J[3] - Estimate, "J", positive result for 2-butanone because this result was not reported by the laboratory with 99% confidence.

J[4] - Estimate, "UJ", nondetect for 4,6-dinitro-2-methylphenol because a continuing calibration %D exceeded 50%.

Brown & Root Environmental

INTERNAL MEMORANDUM

TO: Karin Crandall

DATE: August 31, 1994

FROM: Dwayne Mock

COPIES: File 2A56

SUBJECT: **ORGANIC DATA VALIDATION - VOA/BNA**
KIRTLAND AIR FORCE BASE, RFI DATA
CASE NO. KRT2B, SDG NO. ST239

SAMPLE: Soil: ST-239-01-1721

Halliburton NUS Laboratories and Enseco analyzed 10 soil samples, 1 rinsate blank, and 1 trip blank for Target Compound List (TCL) volatile and semivolatile organic compounds. The trip blank was analyzed only for TCL volatile organic compounds. One field duplicate pair was included with this data package. This memorandum only addresses the evaluation of the one soil sample listed above since only ten percent of all the data will be reviewed.

The data for these analyses were reviewed with reference to the EPA "Functional Guidelines for Organic Data Validation", EPA SW-846 Methods 8240 and 8270 the "Brooks Air Force Base IRP Handbook", version 3.0, and the Stage 2B Sampling and Analysis Plan, January, 1993 and were evaluated according to the following parameters:

- Data completeness
- Holding times
- GC/MS tuning
- * Initial and continuing calibrations
- * Laboratory blank analyses
- Surrogate spike recoveries
- * Laboratory control spike/laboratory control spike duplicate results
- Internal standards performance
- Field duplicate results
- Instrument performance
- Detection limits
- Sample quantitation

The symbol (*) indicates that quality control criteria were not met for this parameter. Problems affecting data usability are discussed below and the attached Table 1 summarizes the validation qualifications. The matrix spike/matrix spike duplicate results were not evaluated since the unspiked sample was not reviewed.

Volatiles

Continuing calibration %Ds for chloromethane, acetone, and 2-hexanone exceeded the 25% quality control criteria. No actions were necessary for these compounds

because only nondetects were reported for these compounds in the validated sample. Nondetects are not compromised by this noncompliance.

The following compounds were detected in the laboratory method and field quality control blanks at the maximum concentrations indicated below:

Compound	Maximum Concentration	Action Level
acetone	2.1 ug/L	0.021 mg/kg
methylene chloride	0.0063 mg/kg	0.063 mg/kg

Samples Affected: ST-239-01-1721

Percent moisture, sample aliquot size, and dilution factors were taken into consideration during the application of all action levels. Positive results reported at concentrations above the reporting limit but less than the action level were qualified as undetected "U". No actions were necessary for acetone since only a nondetect was reported for this compound in the validated sample.

Laboratory Control Spike/Laboratory Control Spike Duplicate (LCS/LCSD) yielded low Percent Recoveries (%Rs) for acetone. The nondetect for this compound in the validated sample were qualified as estimated, "UJ".

No other problems were noted.

Semivolatiles

An initial calibration Percent Relative Standard Deviation (%RSD) for 3-nitroaniline exceeded the 30% quality control criteria. No actions were necessary since only a nondetect was reported for this compound in the validated sample.

Continuing calibration %Ds for 2,4,5-trichlorophenol, 2,4-dinitrotoluene, 4,6-dinitro-2-methylphenol, and 3,3'-dichlorobenzidine exceeded the 25% quality control criteria. No actions were necessary since only nondetects were reported for these compounds in the validated sample.

The LCS/LCSD yielded high %Rs for 1,2,4-trichlorobenzene, hexachlorocyclopentadiene, and dimethylphthalate. No actions were necessary since only nondetects were reported for these compounds in the validated sample. Nondetects are not compromised as a result of this noncompliance.

No other problems were noted.

KIRTLAND AIR FORCE BASE
CASE KRT2B, SDG ST239

TABLE 1 - RECOMMENDATION SUMMARY

Sample No.	VOA	BNA
ST-239-01-1721	A[1] J[1]	

If the field is left blank, the qualifier is A - Accept all data.

A[1] - Accept data, but qualify positive result for methylene chloride as undetected, "U", as a result of laboratory method blank contamination.

J[1] - Estimate, "UJ", nondetect for acetone as a result of a low LCS/LCSD recovery.

Brown & Root Environmental

INTERNAL MEMORANDUM

TO: Karin Crandall **DATE:** August 31, 1994

FROM: Dwayne Mock **COPIES:** File 2A56

SUBJECT: **ORGANIC DATA VALIDATION - VOA/BNA**
KIRTLAND AIR FORCE BASE, RFI DATA
CASE NO. KRT2B, SDG NO. ST243

SAMPLE: Soil: 243-02-0811, 243-04-0305

Enseco and Halliburton NUS Laboratories analyzed 9 soil samples, 1 aqueous rinsate blanks, and 1 trip blanks for Target Compound List (TCL) volatile and semivolatile organic compounds. The trip blanks were analyzed only for volatile organic compounds. This memorandum only addresses the evaluation of the two soil samples listed above since only ten percent of all the data will be reviewed.

The data for these analyses were reviewed with reference to the EPA "Functional Guidelines for Organic Data Validation", EPA SW-846 Methods 8240 and 8270 the "Brooks Air Force Base IRP Handbook", version 3.0, and the Stage 2B Sampling and Analysis Plan, January, 1993 and were evaluated according to the following parameters:

- Data completeness
- Holding times
- GC/MS tuning
- * Initial and continuing calibrations
- * Laboratory blank analyses
- * Surrogate spike recoveries
- * Laboratory control spike/laboratory control spike duplicate results
- Internal standards performance
- Instrument performance
- Detection limits
- Sample quantitation

The symbol (*) indicates that quality control criteria were not met for this parameter. Problems affecting data usability are discussed below and the attached Table 1 summarizes the validation qualifications. Field duplicate results were not evaluated since the samples that comprise the field duplicate pairs were not selected for validation. Additionally, the matrix spike/matrix spike duplicate results were not evaluated since the unspiked sample was not reviewed.

Volatiles

Continuing calibration Percent Difference (%D) for carbon disulfide was greater than

50%. Nondetects of carbon disulfide in the validated samples were qualified as estimated, "UJ".

Continuing calibration %Ds for trans-1,2-dichloroethene, vinyl acetate, and 4-methyl-2-pentanone were greater than the 25% quality control criteria. No actions were taken for the these compounds since only nondetects were reported for these compounds in the validated samples. Only positive results are affected by this noncompliance.

The following compounds were detected in the laboratory method and field quality control blanks at the maximum concentrations indicated below:

Compound	Maximum Concentration	Action Level
acetone*	9.6 µg/L	0.096 mg/kg
bromomethane	0.001 mg/kg	0.005 mg/kg
methylene chloride	0.0044 mg/Kg	0.044 mg/Kg

* - Maximum concentration were detected in the field quality control blanks.

Samples Affected: ST-243-02-0811, ST-243-04-0305

Percent moisture, sample aliquot size, and dilution factors were taken into consideration during the application of all action levels. Positive results reported at concentrations above the reporting limit but less than the action level were qualified as undetected "U".

Laboratory Control Spike/Laboratory Control Spike Duplicate (LCS/LCSD) yielded high Percent Recoveries (%Rs) for carbon disulfide, trans-1,3-dichloropropene, and styrene and a low %R for acetone. Positive acetone result was qualified due to blank contamination. No actions were taken for the remaining compounds since no positive results were reported for these compounds. Additionally, high Relative Percent Differences (RPDs) were reported for bromomethane, carbon tetrachloride, and 1,1-dichloroethane. The positive result for bromomethane in sample 243-02-0811 was qualified undetected, "U", as a result of blank contamination and the nondetect in sample 243-04-0305 was not compromised by the high RPD. No actions were necessary for carbon tetrachloride and 1,1-dichloroethane since only nondetects were reported for these compounds.

The laboratory reported toluene in one sample at a concentration below the Reporting Limit (RL). Toluene was qualified as estimated, "J", since this result is not reported with 99% confidence.

No other problems were noted.

Semivolatiles

Continuing calibration %Ds for 2,6-dinitrotoluene, 3-nitroaniline, 2,4-dinitrophenol, 4-nitroaniline, and hexachlorobenzene exceeded the 25% quality control criteria. Additionally, continuing calibration %D for benzoic acid was greater than 50%. No actions were taken for benzoic acid since nondetects for this compound were rejected due to extremely low LCS/LCSD recoveries. No actions were necessary for the remaining compounds since only nondetects were reported for these compounds in the validated samples.

The surrogate Percent Recovery (%R) for phenol-d5 was high in the validated samples. No actions were necessary since only one acid fraction surrogate was noncompliant.

The LCS/LCSD associated the analytical batch analyzed with SBLKFK yielded a zero %R for benzoic acid and a low %R for 4-chloroaniline. Only nondetects were reported for these compounds and the nondetects of benzoic acid were qualified as rejected, "R". Nondetects for 4-chloroaniline were qualified as estimated, "UJ". Additionally, high Relative Percent Differences (RPDs) were reported for phenol, 2-chlorophenol, 1,4-dichlorobenzene, bis(2-chloroisopropyl)ether, n-nitroso-di-n-propylamine. Positive results for phenol were qualified as estimated, "J". No actions were taken for the remaining compounds since only positive results are affected by high RPDs.

No other problems were noted.

KIRTLAND AIR FORCE BASE
CASE KRT2B, SDG ST243

TABLE 1 - RECOMMENDATION SUMMARY

Sample No.	VOA	BNA
243-02-0811	A^1 J^1	$J^{2,3}$ R^1
243-04-0305	A^1 $J^{1,4}$	$J^{2,3}$ R^1

If the field is left blank, the qualifier is A - Accept all data.

A^1 - Accept data, but qualify positive results for acetone, bromomethane, and methylene chloride as undetected, "U", as a result of laboratory and field blank contamination.

J^1 - Estimate, "UJ", nondetects for carbon disulfide as a result of initial calibration %Ds > 50%.

J^2 - Estimate, "UJ", nondetects for 4-chloroaniline as a result of low LCS/LCSD recoveries

J^3 - Estimate, "J", positive results for phenol as a result of high LCS/LCSD RPDs.

J^4 - Estimate, "J", positive result for toluene because this result was reported by the laboratory at a concentration below the reporting limit.

R^1 - Reject, "R", nondetects for benzoic acid as a result of extremely low LCS/LCSD recoveries.

Brown & Root Environmental

INTERNAL MEMORANDUM

TO: Karin Crandall **DATE:** August 30, 1994

FROM: Dwayne Mock **COPIES:** File 2A56

SUBJECT: **ORGANIC DATA VALIDATION - VOA/BNA**
KIRTLAND AIR FORCE BASE, RFI DATA
CASE NO. KRT2B, SDG NO. ST244

SAMPLE: Soil: ST-244-03-0810

Halliburton NUS Laboratories and Enseco analyzed 15 soil samples, 1 rinsate blank, and 1 trip blank for Target Compound List (TCL) volatile and semivolatile organic compounds. The trip blank was analyzed only for TCL volatile organic compounds. Two field duplicate pairs were included with this data package. This memorandum only addresses the evaluation of the one soil sample listed above since only ten percent of all the data will be reviewed.

The data for these analyses were reviewed with reference to the EPA "Functional Guidelines for Organic Data Validation", EPA SW-846 Methods 8240 and 8270 the "Brooks Air Force Base IRP Handbook", version 3.0, and the Stage 2B Sampling and Analysis Plan, January, 1993 and were evaluated according to the following parameters:

- Data completeness
- Holding times
- GC/MS tuning
- * Initial and continuing calibrations
- * Laboratory blank analyses
- Surrogate spike recoveries
- * Laboratory control spike/laboratory control spike duplicate results
- Internal standards performance
- Instrument performance
- Detection limits
- Sample quantitation

The symbol (*) indicates that quality control criteria were not met for this parameter. Problems affecting data usability are discussed below and the attached Table 1 summarizes the validation qualifications. Field duplicate results were not evaluated since the samples that comprise the field duplicate pair were not reviewed. Additionally, the matrix spike/matrix spike duplicate results were not evaluated since the unspiked sample was not reviewed.

Volatiles

Continuing calibration Percent Differences (%Ds) for chloromethane and carbon disulfide exceeded the 25% quality control criteria. No actions were necessary because only nondetects were reported for these compounds in the validated sample. Nondetects are not compromised by this noncompliance.

The following compounds were detected in the laboratory method blanks at the maximum concentrations indicated below:

Compound	Maximum Concentration	Action Level
methylene chloride	0.0078 mg/Kg	0.078 mg/Kg

Samples Affected: ST-244-03-0810

Percent moisture, sample aliquot size, and dilution factors were taken into consideration during the application of all action levels. Positive results reported at concentrations above the detection limit but less than the action level were qualified as undetected "U".

The Laboratory Control Spike/Laboratory Control Spike Duplicate (LCS/LCSD) yielded high Percent Recovery (%R) for carbon disulfide and styrene. In addition, LCS/LCSD yielded high Relative Percent Difference (RPDs) for acetone, bromoform, 2-butanone, 2-hexanone, and styrene. No actions were necessary since only nondetects were reported for these compounds in the validated sample. Nondetects are not compromised as a result of these noncompliances.

No other problems were noted.

Semivolatiles

An initial calibration Percent Relative Standard Deviation (%RSD) for 3-nitroaniline exceeded 50%. The nondetect for this compound in the validated sample was qualified as estimated, "UJ".

Continuing calibration %Ds for 4-chloroaniline, 4-nitroaniline, and N-nitrosodiphenylamine exceeded the 25% quality control criteria. No actions were necessary since only nondetects were reported for these compounds in the validated sample.

The LCS/LCSD yielded a low %R for 4-chloroaniline. The nondetect for this compound in the validated sample was qualified as estimated, "UJ".

The LCS/LCSD yielded high %Rs for 2-methylnaphthalene and 4-nitroaniline. No actions were necessary since only nondetects were reported for these compounds in the validated sample. Nondetects are not compromised as a result of this noncompliance.

No other problems were noted.

KIRTLAND AIR FORCE BASE
CASE KRT2B, SDG ST244

TABLE 1 - RECOMMENDATION SUMMARY

Sample No.	VOA	BNA
ST-244-03-0810	A[1]	J[1,2]

If the field is left blank, the qualifier is A - Accept all data.

A[1] - Accept data, but qualify positive result for methylene chloride as undetected, "U", as a result of laboratory method blank contamination.

J[1] - Estimate, "UJ", nondetect for 3-nitroaniline because an initial calibration %RSD exceeded 50%.

J[2] - Estimate, "UJ", nondetect for 4-chloroaniline as a result of a low LCS/LCSD recovery.

Brown & Root Environmental

INTERNAL MEMORANDUM

TO: Karin Crandall

DATE: August 31, 1994

FROM: James Cao

COPIES: File 2A56

SUBJECT: ORGANIC DATA VALIDATION - VOA/BNA
KIRTLAND AIR FORCE BASE, RFI DATA
CASE NO. KRT2B, SDG NO. ST246

SAMPLES: Soil: ST-246-01-1416, ST-246-06-1517

Enseco and Halliburton NUS Laboratories analyzed 19 soil samples, 1 aqueous rinsate blanks, and 1 trip blanks for Target Compound List (TCL) volatile and semivolatile organic compounds. One field duplicate pair was included with this analytical data set. The trip blanks were analyzed only for volatile organic compounds. This memorandum only addresses the evaluation of the two soil samples listed above since only ten percent of all the data will be reviewed.

The data for these analyses were reviewed with reference to the EPA "Functional Guidelines for Organic Data Validation", EPA SW-846 Methods 8240 and 8270, the "Brooks Air Force Base IRP Handbook", version 3.0, and the Stage 2B Sampling and Analysis Plan, January, 1993 and were evaluated according to the following parameters:

- Data completeness
- Holding times
- GC/MS tuning
- * Initial and continuing calibrations
- * Laboratory and field blank analyses
- Surrogate spike recoveries
- * Laboratory control spike/laboratory control spike duplicate results
- * Internal standards performance
- Instrument performance
- Detection limits
- Sample quantitation

The symbol (*) indicates that quality control criteria were not met for this parameter. Problems affecting data usability are discussed below and the attached Table 1 summarizes the validation qualifications. Field duplicate results were not evaluated since the samples that comprise the field duplicate pairs were not selected for validation. Additionally, the matrix spike/matrix spike duplicate results were not evaluated since the unspiked sample was not reviewed.

Volatiles

The target compound 2-chloroethyl vinyl ether could not be detected in the initial and continuing calibrations affecting low level soil samples run on instrument GCMSC. All the results reported for this compound were nondetects. These nondetects were rejected, "R" in the validated samples.

Continuing calibration Percent Differences (%Ds) for bromoethane, chloroethane, and acetone were greater than 50%. Nondetects were reported for bromomethane and chloroethane in the affected sample (246-06-1517) and these nondetects were qualified as estimated, "UJ". No actions were necessary for acetone since the result was qualified due to blank contamination.

Continuing calibration %Ds for vinyl chloride, 2-butanone, bromodichloromethane, trichloroethene, 2-hexanone, and tetrachloroethene were greater than the 25% quality control criteria. No actions were taken for the these compounds since only nondetects were reported for these compounds in the validated samples. Only positive results are affected by this noncompliance.

The following compounds were detected in the laboratory method and field quality control blanks at the maximum concentrations indicated below:

Compound	Maximum Concentration	Action Level
chlorobenzene	1 µg/Kg	5 µg/Kg
acetone	9 µg/Kg	90 µg/Kg

Samples Affected: ST-246-01-1416, ST-246-06-1517

Percent moisture, sample aliquot size, and dilution factors were taken into consideration during the application of all action levels. Positive results reported at concentrations above the reporting limit but less than the action level were qualified as undetected "U". No actions were taken for chlorobenzene since only nondetects were reported for this compound in the validated samples.

Laboratory Control Spike/Laboratory Control Spike Duplicate (LCS/LCSD) associated with the analytical batch analyzed with VBLKCP yielded high Relative Percent Difference (RPDs) for 2-butanone and trichloroethene. No actions were taken for the compounds with high RPDs since no positive results were reported for these compounds. Also, the Percent Recoveries (%Rs) for 2-chloroethyl vinyl ether were zero. The nondetects reported for this compound in the validated sample were rejected, "R".

The LCS/LCSD associated with the analytical batch analyzed with VBLKCS yielded a zero %R for 2-chloroethyl vinyl ether and high %Rs for bromomethane, chloroethane, acetone, 1,1,2,2-tetrachloroethane, styrene, m/p-xylenes, and o-xylene. Only nondetects were reported for 2-chloroethyl vinyl ether in the validated sample. This nondetect was rejected, "R". No actions were taken for the remaining compounds since only nondetects were reported for these compounds in the associated sample. Additionally, low %Rs were reported for bromodichloromethane, 1,2-dichloropropane, trichloroethene, dibromochloromethane, 1,1,2-trichloroethane, and bromoform. No actions were necessary since only nondetects were reported for these compounds.

No other problems were noted.

Semivolatiles

Continuing calibration %Ds for benzyl alcohol, 2-methylnaphthalene, 3-nitroaniline, 2,4-dinitrophenol, dibenzofuran, 4-nitroaniline, hexachlorocyclopentadiene, and 4-chloroaniline exceeded the 25% quality control criteria. No actions were necessary since only nondetects were reported for these compounds in the validated samples. Nondetects are not compromised by this noncompliance.

The internal standard areas of phenanthrene-d10 and chrysene-d12 in sample 246-01-1416 were below the lower quality control limit. Nondetects reported for compounds quantitated using the failed internal standards were qualified as estimated, "UJ" in the affected sample.

The LCS/LCSD associated with the analytical batch analyzed with SBLKFD yielded high Relative Percent Differences (RPDs) for 1,2,4-trichlorobenzene and 4-chloroaniline. Additionally, high %R were reported for 1,4-dichlorobenzene, hexachlorocyclopentadiene, dimethylphthalate, hexachloroethane, 1,2,4-trichlorobenzene, hexachlorobutadiene, and n-nitrosodiphenylamine and a low %R for 4-chloroaniline. The nondetect reported for 4-chloroaniline was qualified as estimated, "UJ", in the affected sample. No actions were necessary for the remaining compounds since only nondetects were reported for these compounds in the validated samples and nondetects were not considered to be compromised by these noncompliances.

The LCS/LCSD associated with the analytical batch analyzed with SBLKFF yielded a high %R for dimethylphthalate. Only positive results are affected by high %Rs and since no positive results were reported for dimethylphthalate in the affected sample, no actions were necessary.

No other problems were noted.

KIRTLAND AIR FORCE BASE
CASE KRT2B, SDG ST246

TABLE 1 - RECOMMENDATION SUMMARY

Sample No.	VOA	BNA
ST-246-01-1416	A^1 R^1	$J^{2,3}$
ST-246-06-1517	A^1 J^1 R^1	

If the field is left blank, the qualifier is A - Accept all data.

A^1 - Accept data, but qualify positive result for acetone as undetected, "U", as a result of laboratory blank contamination.

J^1 - Estimate, "J" and "UJ", positive and nondetected results for acetone, bromomethane, and chloroethane as a result of continuing calibration %Ds > 50%.

J^2 - Estimate, "UJ", nondetected results for all compounds quantitated using the failed phenanthrene-d10 and chrysene-d12 internal standards.

J^3 - Estimate, "UJ", nondetects for 4-chloroaniline as a result of low LCS/LCSD recovery.

R^1 - Reject, "R", nondetects for 2-chloroethyl vinyl ether as a result of initial and continuing calibration RRFs < 0.05 and extremely low LCS/LCSD recoveries.

Brown & Root Environmental

INTERNAL MEMORANDUM

TO: Karin Crandall **DATE:** August 31, 1994

FROM: Dwayne Mock **COPIES:** File 2A56

SUBJECT: **ORGANIC DATA VALIDATION - VOA/BNA/Pesticides/PCBs**
KIRTLAND AIR FORCE BASE, RFI DATA
CASE NO. KRT2B, SDG NO. ST248

SAMPLE: Soil: ST-248-01-0911, ST-248-05-0305

Halliburton NUS Laboratories and Enseco analyzed 10 soil samples, 1 rinsate blank, and 1 trip blank for Target Compound List (TCL) volatile, semivolatile, and pesticide/PCB organic compounds. The trip blank was analyzed only for TCL volatile organic compounds. No field duplicate pair was included with this data package. This memorandum only addresses the evaluation of the two soil samples listed above since only ten percent of all the data will be reviewed.

The data for these analyses were reviewed with reference to the EPA "Functional Guidelines for Organic Data Validation", EPA SW-846 Methods 8240 and 8270 the "Brooks Air Force Base IRP Handbook", version 3.0, and the Stage 2B Sampling and Analysis Plan, January, 1993 and were evaluated according to the following parameters:

- Data completeness
- Holding times
- GC/MS tuning
- * Initial and continuing calibrations
- * Laboratory blank analyses
- Surrogate spike recoveries
- * Laboratory control spike/laboratory control spike duplicate results
- Internal standards performance
- Instrument performance
- Detection limits
- Sample quantitation

The symbol (*) indicates that quality control criteria were not met for this parameter. Problems affecting data usability are discussed below and the attached Table 1 summarizes the validation qualifications. The matrix spike/matrix spike duplicate results were not evaluated since the unspiked sample was not reviewed.

Volatiles

One continuing calibration Percent Difference (%D) for chloromethane exceeded the 25% quality control criteria. No action was necessary because only nondetects were reported for this compound in the validated samples. Nondetects are not compromised by this noncompliance.

The following compounds were detected in the laboratory method blanks at the maximum concentrations indicated below:

Compound	Maximum Concentration	Action Level
methylene chloride	0.0041 mg/kg	0.041 mg/kg

Samples Affected: ST-248-01-0911, ST-248-05-0305

Percent moisture, sample aliquot size, and dilution factors were taken into consideration during the application of all action levels. Positive results reported at concentrations above the detection limit but less than the action level were qualified as undetected "U" in the validated samples.

Laboratory Control Spike/Laboratory Control Spike Duplicate (LCS/LCSD) yielded low Percent Recoveries (%Rs) for acetone, 1,1,2-trichloroethane, and vinyl acetate as well as high Relative Percent Difference (RPDs) for acetone and 1,1,2-trichloroethane. Positive results and nondetects for these compounds in the validated samples were qualified as estimated, "J" and "UJ", respectively.

The LCS/LCSD yielded high RPDs for bromoform, bromomethane, 2-butanone, chloroethane, 1,2-dichloroethene (total), 2-hexanone, 4-methyl-2-pentanone, and 1,1,2,2-tetrachloroethane. No actions were necessary since only nondetects were reported for these compounds in the validated samples.

The laboratory reported acetone at a concentration below the Reporting Limit (RL). This result was qualified as estimated, "J", because this result was not reported with 99% confidence.

No other problems were noted.

Semivolatiles

Initial calibration Percent Relative Standard Deviation (%RSD) for 3-nitroaniline and benzo(k)fluoranthene exceeded the 30% quality control criteria. No actions were necessary since only nondetects were reported for these compounds in the validated samples. Nondetects are not compromised by this noncompliance.

Continuing calibration %Ds for N-nitroso-di-n-propylamine, hexachlorocyclopentadiene, and 3,3'-dichlorobenzidine exceeded the 25% quality control criteria. No actions were necessary since only nondetects were reported for these compounds in the validated samples. Nondetects are not compromised by this noncompliance.

The LCS/LCSD yielded high %Rs for hexachlorocyclopentadiene. No actions were necessary since only nondetects were reported for this compound in the validated samples. Nondetects are not compromised as a result of this noncompliance.

No other problems were noted.

Pesticides/PCBs

One continuing calibration %D for aroclor-1242 exceeded the 15% quality control criteria of the RTX-1701 column. No actions were necessary since only nondetects were reported for aroclor-1242 in the validated samples.

One continuing calibration %D for chlordane exceeded the 15% quality control criteria of the RTX-35 column. No actions were necessary since only nondetects were reported for chlordane in the validated samples.

KIRTLAND AIR FORCE BASE
CASE KRT2B, SDG ST248

TABLE 1 - RECOMMENDATION SUMMARY

Sample No.	VOA	BNA	Pesticides/PCBs
ST-248-01-0911	A^1 $J^{1,2}$		
ST-248-05-0305	A^1 J^1		

If the field is left blank, the qualifier is A - Accept all data.

A^1 - Accept data, but qualify positive result for methylene chloride as undetected, "U", as a result of laboratory method blank contamination.

J^1 - Estimate, "J", positive results and/or "UJ", nondetects for acetone, 1,1,2-trichloroethane, and vinyl acetate as a result of a low LCS/LCSD recovery.

J^2 - Estimate, "J", positive result for acetone because this result was reported by the laboratory below the reporting limit.

Brown & Root Environmental

INTERNAL MEMORANDUM

TO: Karin Crandall

DATE: August 31, 1994

FROM: James Cao

COPIES: File 2A56

SUBJECT: ORGANIC DATA VALIDATION - VOA/BNA
KIRTLAND AIR FORCE BASE, RFI DATA
CASE NO. KRT2B, SDG NO. ST253

SAMPLES: Soil: ST-253-01-0206

Enseco and Halliburton NUS Laboratories analyzed 19 soil samples, 1 aqueous rinsate blanks, and 1 trip blanks for Target Compound List (TCL) volatile and semivolatile organic compounds. One field duplicate pair was included with this analytical data set. The trip blank was analyzed only for volatile organic compounds. This memorandum only addresses the evaluation of the two soil samples listed above since only ten percent of all the data will be reviewed.

The data for these analyses were reviewed with reference to the EPA "Functional Guidelines for Organic Data Validation", EPA SW-846 Methods 8240 and 8270, the "Brooks Air Force Base IRP Handbook", version 3.0, and the Stage 2B Sampling and Analysis Plan, January, 1993 and were evaluated according to the following parameters:

- Data completeness
- Holding times
- GC/MS tuning
- * Initial and continuing calibrations
- * Laboratory and field blank analyses
- * Surrogate spike recoveries
- * Laboratory control spike/laboratory control spike duplicate results
- Internal standards performance
- Instrument performance
- Detection limits
- Sample quantitation

The symbol (*) indicates that quality control criteria were not met for this parameter. Problems affecting data usability are discussed below and the attached Table 1 summarizes the validation qualifications. Field duplicate results were not evaluated since the samples that comprise the field duplicate pairs were not selected for validation. Additionally, the matrix spike/matrix spike duplicate results were not evaluated since the unspiked sample was not reviewed.

Volatiles

Continuing calibration Percent Differences (%Ds) for carbon disulfide and trans-1,2-dichloroethene were greater than 50%. Nondetects reported for these compounds were qualified as estimated, "UJ" in the validated samples.

Continuing calibration %Ds for bromomethane and vinyl acetate were greater than the 25% quality control criteria. No actions were taken for the these compounds since only nondetects were reported for these compounds in the validated samples. Only positive results are affected by this noncompliance.

The following compounds were detected in the laboratory method and field quality control blanks at the maximum concentrations indicated below:

Compound	Maximum Concentration	Action Level
methylene chloride	0.0012 mg/kg	0.012 mg/kg
acetone	5.0 ug/L	0.050 ug/L
bromomethane	4.1 ug/L	0.041 ug/L

Samples Affected: ST-253-01-0206

Percent moisture, sample aliquot size, and dilution factors were taken into consideration during the application of all action levels. Positive results reported at concentrations above the reporting limit but less than the action level were qualified as undetected "U". No actions were necessary for bromomethane since only a nondetect was reported for this compound in the valdiated sample.

Laboratory Control Spike/Laboratory Control Spike Duplicate (LCS/LCSD) yielded high Percent Recoveries (%Rs) for carbon disulfide and styrene . No actions were necessary since only nondetects were reported for these compounds in the validated sample.

The LCS/LCSD yielded low %Rs for 1,2-dichloroethane, ethylbenzene, tetrachloroethene, 1,1,2-trichloroethane. The nondetects reported for these compounds were qualified as estimated, "UJ" in the validated sample.

No other problems were noted.

Semivolatiles

Continuing calibration %Ds for benzoic acid, 2-chloronaphthalene, 3-nitroaniline, 4-nitroaniline, hexachlorobenzene, and phenanthrene exceeded the 25% quality control criteria. No actions were necessary since only nondetects were reported for these

compounds in the validated samples. Nondetects are not compromised by this noncompliance.

The surrogate %R for phenol-d5 and nitrobenzene-d5 exceeded quality control criteria. No actions were necessary since only one surrogate per fraction was noncompliant.

The LCS/LCSD yielded a high %R for dimethylphthalate and a low %Rs for benzoic acid. The nondetect reported for benzoic acid was qualified as estimated, "UJ" in the validated sample. No actions were necessary for the dimethylphthalate since only a nondetect was reported for this compound in the validated samples and nondetects are not compromised by this noncompliance.

No other problems were noted.

KIRTLAND AIR FORCE BASE
CASE KRT2B, SDG ST253

TABLE 1 - RECOMMENDATION SUMMARY

Sample No.	VOA	BNA
ST-253-01-1416	A^1 $J^{1,2}$	J^3

If the field is left blank, the qualifier is A - Accept all data.

A^1 - Accept data, but qualify positive result for acetone and methylene chloride as undetected, "U", as a result of laboratory blank contamination.

J^1 - Estimate, "UJ", nondetects for carbon disulfide and trans-1,2-dichloroethene as a result of continuing calibration %Ds > 50%.

J^2 - Estimate, "UJ", nondetects for 1,2-dichloroethane, ethylbenzene, tetrachloroethene, 1,1,2-trichloroethane as a result of low LCS/LCSD recovery.

J^3 - Estimate, "UJ", nondetect for benzoic acid as a result of low LCS/LCSD recovery.

Brown & Root Environmental

INTERNAL MEMORANDUM

TO: Karin Crandall

DATE: August 13, 1994

FROM: Dwayne Mock

COPIES: File 2A56

SUBJECT: ORGANIC DATA VALIDATION - VOA/BNA
KIRTLAND AIR FORCE BASE, RFI DATA
CASE NO. KRT2B, SDG NO. ST254

SAMPLES: Soil: ST-254-01-0608, ST-254-01-1113,
ST-254-04-0610, ST-254-05-1113

Halliburton NUS Laboratories and Enseco analyzed 11 soil samples, 1 rinsate blank, and 1 trip blank for Target Compound List (TCL) volatile and semivolatile organic compounds. The trip blank was analyzed only for TCL volatile organic compounds. This memorandum only addresses the evaluation of the four soil samples listed above since only ten percent of all the data will be reviewed.

The data for these analyses were reviewed with reference to the EPA "Functional Guidelines for Organic Data Validation", EPA SW-846 Methods 8240 and 8270 the "Brooks Air Force Base IRP Handbook", version 3.0, and the Stage 2B Sampling and Analysis Plan, January, 1993 and were evaluated according to the following parameters:

- Data completeness
- Holding times
- GC/MS tuning
- * Initial and continuing calibrations
- * Laboratory blank analyses
- * Surrogate spike recoveries
- Laboratory control spike/laboratory control spike duplicate results
- Internal standards performance
- Instrument performance
- Detection limits
- Sample quantitation

The symbol (*) indicates that quality control criteria were not met for this parameter. Problems affecting data usability are discussed below and the attached Table 1 summarizes the validation qualifications. Field duplicate results were not evaluated since the samples that comprise the field duplicate pair were not reviewed. Additionally, the matrix spike/matrix spike duplicate results were not evaluated since the unspiked sample was not reviewed.

Volatiles

An initial calibration Percent Relative Standard Deviation (%RSD) for 1,1-dichloroethane exceeded the 30% quality control criteria. No actions were necessary since no positive result was reported for this compound in the validated samples.

Continuing calibration Percent Differences (%Ds) for trans-1,2-dichloroethene, vinyl acetate, and trans-1,3-dichloropropene exceeded 50%. Nondetects reported for these compounds in the validated samples were qualified as estimated, "UJ".

Several continuing calibration %Ds for chloromethane, acetone, cis-1,3-dichloropropene, and bromoform exceeded the 30% quality control criteria. No actions were necessary for acetone since all positive results in the validated samples were qualified as a reult of blank contamination and only nondtects were reported for the other compounds in the validated samples. The nondetects are not compromised as a result of this noncompliance.

The following compounds were detected in the laboratory method and field quality control blanks at the maximum concentrations indicated below:

Compound	Maximum Concentration	Action Level
acetone*	4.3 ug/L	0.043 mg/Kg
methylene chloride	0.005 mg/Kg	0.050 mg/Kg
chloroform	0.0038 mg/Kg	0.019 mg/Kg

Samples Affected: All validated samples.

* - Maximum concentration detected in the field quality control blanks.

Percent moisture, sample aliquot size, and dilution factors were taken into consideration during the application of all action levels. Positive results reported at concentrations above the detection limit but less than the action level were qualified as undetected "U". No actions were taken for chloroform since all results reported for chloroform in the validated samples were nondetects.

No other problems were noted.

Semivolatiles

One continuing calibration Percent Difference (%D) for 4-nitroaniline exceeded 50%. Nondetects reported for this compound in the affected samples were qualified as estimated, "UJ".

Continuing calibration %Ds for benzoic acid, 4-chloroaniline, 3-nitroaniline, 2,4-dinitrophenol, and 4-nitroaniline exceeded the 30% quality control criteria. No actions were necessary since only nondetects were reported for these compounds in the affected samples.

The surrogate Percent Recoveries (%Rs) for nitrobenzene-d5, and 2-fluorobiphenyl were below quality control limits for samples KAFB-ST-254-04-0610 and KAFB-ST-254-05-1113. Nondetects reported for all base-neutral compounds in the affected samples were qualified as estimated, "UJ".

No other problems were noted.

KIRTLAND AIR FORCE BASE
CASE KRT2B, SDG ST254

TABLE 1 - RECOMMENDATION SUMMARY

Sample No.	VOA		BNA
ST-254-01-0608	A[2]		J[4]
ST-254-01-1113	A[2]		J[4]
ST-254-04-0610	A[1,2]	J[1,2,3]	J[5]
ST-254-05-1113	A[1,2]	J[1,2,3]	J[5]

If the field is left blank, the qualifier is A - Accept all data.

A[1] - Qualify positive result for acetone as undetected, "U", as a result of laboratory method blank contamination.

A[2] - Qualify positive result for methylene chloride as undetected, "U", as a result of laboratory method blank contamination.

J[1] - Estimate, "UJ", nondetect for trans-1,2-dichloroethene because continuing calibration %D exceeded 50%.

J[2] - Estimate, "UJ", nondetect for trans-1,3-dichloropropene because continuing calibration %D exceeded 50%.

J[3] - Estimate, "UJ", nondetect for vinyl acetate because continuing calibration %D exceeded 50%.

J[4] - Estimate, "UJ", nondetect for 4-nitroaniline because continuing calibration %D exceeded 50%.

J[5] - Estimate, "UJ", nondetects for all base-neutral compounds as a result of low surrogate recoveries.

Brown & Root Environmental

INTERNAL MEMORANDUM

TO: Karin Crandall **DATE:** August 30, 1994

FROM: James Cao **COPIES:** File 2A56

SUBJECT: **ORGANIC DATA VALIDATION - VOA/BNA**
KIRTLAND AIR FORCE BASE, RFI DATA
CASE KRT2B, SDG ST256

SAMPLES: Soils: ST-256-01-0305, ST-256-02-0305

Enseco and Halliburton NUS Laboratories analyzed 4 soil samples, 1 aqueous rinsate blank, and 1 trip blank for Target Compound List (TCL) volatile and semivolatile organic compounds. One field duplicate pair was included with this analytical data set. The trip blank was analyzed only for volatile organic compounds. This memorandum only addresses the evaluation of the two soil samples listed above since only ten percent of all the data will be reviewed.

The data for these analyses were reviewed with reference to the EPA "Functional Guidelines for Organic Data Validation", EPA SW-846 Methods 8240 and 8270, the "Brooks Air Force Base IRP Handbook", version 3.0, and the Stage 2B Sampling and Analysis Plan, January, 1993 and were evaluated according to the following parameters:

- Data completeness
- Holding times
- GC/MS tuning
- * Initial and continuing calibrations
- * Laboratory and field blank analyses
- Surrogate spike recoveries
- * Laboratory control spike/laboratory control spike duplicate results
- Internal standards performance
- Instrument performance
- Detection limits
- Sample quantitation

The symbol (*) indicates that quality control criteria were not met for this parameter. Problems affecting data usability are discussed below and the attached Table 1 summarizes the validation qualifications. Field duplicate results were not evaluated since the samples that comprise the field duplicate pair were not selected for validation. Additionally, the matrix spike/matrix spike duplicate results were not evaluated since the unspiked sample was not reviewed.

Volatiles

Continuing calibration Percent Difference (%D) for 2-hexanone was greater than 50%. Additionally, the %Ds for carbon disulfide, acetone, 2-butanone, vinyl acetate, and 4-methyl-2-pentanone exceeded the 25% quality control criteria. Only nondetects were reported for these compounds in the validated samples. The nondetects for 2-hexanone were qualified as estimated, "UJ" in the validated samples. No actions were taken for the remaining compounds since only positive results are affected by this noncompliance.

The following compounds were detected in the laboratory method and field quality control blanks at the maximum concentrations indicated below:

Compound	Maximum Concentration	Action Level
acetone*	5.9 µg/L	0.059 mg/Kg
methylene chloride	0.0073 mg/Kg	0.073 mg/Kg

* - Maximum concentration were detected in the field quality control blanks.

Samples Affected: ST-256-01-0305, ST-256-02-0305

Percent moisture, sample aliquot size, and dilution factors were taken into consideration during the application of all action levels. Positive results reported at concentrations above the reporting limit but less than the action level were qualified as undetected "U". No actions were taken for acetone since only nondetects were reported for this compound in the validated samples.

Laboratory Control Spike/Laboratory Control Spike Duplicate (LCS/LCSD) yielded low Percent Recoveries (%Rs) for acetone and carbon disulfide. Also, high Relative Percent Differences (RPDs) were reported for acetone, bromoform, 2-butanone, 2-hexanone, and 4-methyl-2-pentanone. Nondetects for acetone and carbon disulfide were qualified as estimated, "UJ", in the valdiated samples. No actions were taken for the compounds with high %Rs and RPDs since only nondetects were reported for these compounds in the validated samples.

No other problems were noted.

Semivolatiles

Continuing calibration %Ds for benzoic acid, hexachlorobutadiene, and 3,3-dichlorobenzidine exceeded the 25% quality control criteria. Additionally, the %D for hexachlorocyclopentadien was greater than 50%. The nondetected results for

hexachlorocyclopentadiene were qualified as estimated, "UJ", in the validated samples. No actions were taken for the remaining compounds since only nondetects were reported for these compounds in the validated samples.

The LCS/LCSD yielded high Percent Recoveries (%Rs) for 1,2,4-trichlorobenzene, hexachlorocyclopentadiene, dimethylphthalate, and benzyl alcohol. Additionally, a high RPD was reported for n-nitroso-di-n-propylamine. No actions were necessary since only nondetects were reported for these compounds in the validated samples and nondetects are not compromised by this noncompliance.

No other problems were noted.

KIRTLAND AIR FORCE BASE
CASE KRT2B, SDG ST256

TABLE 1 - RECOMMENDATION SUMMARY

Sample No.	VOA	BNA
ST-256-01-0305	A^1 $J^{1,3}$	J^2
ST-256-02-0305	A^1 $J^{1,3}$	J^2

If the field is left blank, the qualifier is A - Accept all data.

A^1 - Accept data, but qualify positive results for methylene chloride as undetected, "U", as a result of field quality control blank contamination.

J^1 - Estimate, "UJ", nondetects for 2-hexanone as a result of continuing calibration %D > 50%.

J^2 - Estimate, "UJ", nondetects for hexachlorocyclopentadiene as a result of continuing calibration %D > 50%.

J^3 - Estimate, "UJ", nondetects for acetone and carbon disulfide due to low LCS/LCSD recovery.

Brown & Root Environmental

INTERNAL MEMORANDUM

TO: Karin Crandall

DATE: August 31, 1994

FROM: James Cao

COPIES: File 2A56

SUBJECT: ORGANIC DATA VALIDATION - VOA/BNA
KIRTLAND AIR FORCE BASE, RFI DATA
CASE NO. KRT2B, SDG NO. ST257

SAMPLES: Soil: ST-257-02-0307

Enseco and Halliburton NUS Laboratories analyzed 6 soil samples, 1 aqueous rinsate blank, and 1 trip blank for Target Compound List (TCL) volatile and semivolatile organic compounds. One field duplicate pair was included with this analytical data set. The trip blank was analyzed only for volatile organic compounds. This memorandum only addresses the evaluation of the one soil sample listed above since only ten percent of all the data will be reviewed.

The data for these analyses were reviewed with reference to the EPA "Functional Guidelines for Organic Data Validation", EPA SW-846 Methods 8240 and 8270, the "Brooks Air Force Base IRP Handbook", version 3.0, and the Stage 2B Sampling and Analysis Plan, January, 1993 and were evaluated according to the following parameters:

- Data completeness
- Holding times
- GC/MS tuning
- * Initial and continuing calibrations
- * Laboratory and field blank analyses
- Surrogate spike recoveries
- * Laboratory control spike/laboratory control spike duplicate results
- Internal standards performance
- * Matrix spike/matrix spike duplicate results
- Instrument performance
- Detection limits
- Sample quantitation

The symbol (*) indicates that quality control criteria were not met for this parameter. Problems affecting data usability are discussed below and the attached Table 1 summarizes the validation qualifications. Field duplicate results were not evaluated since the samples that comprise the field duplicate pair were not selected for validation.

Volatiles

Continuing calibration Percent Difference (%D) for chloromethane, trans-1,2-dichloroethene, 1,1-dichloroethane, and 2-chloroethyl vinyl ether exceeded the 25% quality control criteria. No actions were taken for these compounds since only nondetects were reported in the validated sample. Nondetects are not affected by this noncompliance.

The following compounds were detected in the laboratory method and field quality control blanks at the maximum concentrations indicated below:

Compound	Maximum Concentration	Action Level
acetone*	5.9 µg/L	0.059 mg/Kg
methylene chloride	0.0073 mg/Kg	0.073 mg/Kg

* - Maximum concentration were detected in the field quality control blanks.

Affected Sample: ST-257-02-0307

Percent moisture, sample aliquot size, and dilution factors were taken into consideration during the application of all action levels. Positive results reported at concentrations above the reporting limit but less than the action level were qualified as undetected "U". No actions were taken for acetone since only a nondetect was reported for acetone in the validated sample.

Laboratory Control Spike/Laboratory Control Spike Duplicate (LCS/LCSD) yielded a high Percent Recovery (%R) for acetone. Also, high Relative Percent Differences (RPDs) were reported for 2-butanone and vinyl acetate. No actions were taken for the compounds since only nondetects were reported for these compounds in the validated sample.

The Matrix Spike/Matrix Spike Duplicate (MS/MSD) analysis of the validated sample yielded high %Rs for acetone and low %Rs for vinyl acetate. The nondetect for vinyl acetate was qualified as estimated, "UJ", in the validated sample. No actions were taken for acetone since only nondetects were reported for this compound in the unspiked sample.

No other problems were noted.

Semivolatiles

Continuing calibration %Ds for benzoic acid, hexachlorobutadiene, and 3,3-dichlorobenzidine exceeded the 25% quality control criteria. No actions were taken

for these compounds since only nondetects were reported for these compounds in the validated samples.

Continuing calibration %D for hexachlorocyclopentadiene was greater than 50%. The nondetect for hexachlorocyclopentadiene were qualified as estimated, "UJ", in the validated sample.

The LCS/LCSD yielded high Percent Recoveries (%Rs) for 1,2,4-trichlorobenzene, hexachlorocyclopentadiene, dimethylphthalate, and benzyl alcohol. Additionally, a high RPD was reported for n-nitroso-di-n-propylamine. No actions were necessary since only nondetects were reported for these compounds in the validated sample and nondetects are not compromised by these noncompliances.

The Matrix Spike/Matrix Spike Duplicate (MS/MSD) analysis yielded high %Rs for phenol, hexachloroethane, hexachlorobutadiene, 2-methylnaphthalene, diethylphthalate, and hexachlorocyclopentadiene. No actions were necessary since only nondetects were reported for these compounds in the validated (unspiked) sample.

No other problems were noted.

KIRTLAND AIR FORCE BASE
CASE KRT2B, SDG ST257

TABLE 1 - RECOMMENDATION SUMMARY

Sample No.	VOA		BNA
ST-257-02-0307	A[1]	J[1]	J[2]

If the field is left blank, the qualifier is A - Accept all data.

A[1] - Accept data but qualify positive results for methylene chloride as undetected, "U", as a result of field quality control blank contamination.

J[1] - Estimate, "UJ", nondetect for vinyl acetate because of low MS/MSD recoveries.

J[2] - Estimate, "UJ", nondetect for hexachlorocyclopentadiene as a result of continuing calibration %D > 50%.

Brown & Root Environmental

INTERNAL MEMORANDUM

TO: Karin Crandall **DATE:** September 5, 1994

FROM: James Cao **COPIES:** File 2A56

SUBJECT: ORGANIC DATA VALIDATION - VOA/BNA
KIRTLAND AIR FORCE BASE, RFI DATA
CASE NO. KRT2B, SDG NO. ST258

SAMPLES: Soil: ST-258-01-0305

Enseco and Halliburton NUS Laboratories analyzed 4 soil samples, 1 aqueous rinsate blank, and 1 trip blank for Target Compound List (TCL) volatile and semivolatile organic compounds. No field duplicate pair was included with this analytical data set. The trip blanks were analyzed only for volatile organic compounds. This memorandum only addresses the evaluation of the one soil sample listed above since only ten percent of all the data will be reviewed.

The data for these analyses were reviewed with reference to the EPA "Functional Guidelines for Organic Data Validation", EPA SW-846 Methods 8240 and 8270, the "Brooks Air Force Base IRP Handbook", version 3.0, and the Stage 2B Sampling and Analysis Plan, January, 1993 and were evaluated according to the following parameters:

- Data completeness
- Holding times
- GC/MS tuning
- * Initial and continuing calibrations
- * Laboratory and field blank analyses
- Surrogate spike recoveries
- * Laboratory control spike/laboratory control spike duplicate results
- Internal standards performance
- Instrument performance
- Detection limits
- Sample quantitation

The symbol (*) indicates that quality control criteria were not met for this parameter. Problems affecting data usability are discussed below and the attached Table 1 summarizes the validation qualifications. The matrix spike/matrix spike duplicate results were not evaluated since the unspiked sample was not reviewed.

Volatiles

A continuing calibration Percent Difference (%D) for 2-hexanone was greater than 50%. The nondetect for 2-hexanone was qualified as estimated, "UJ", in the validated sample.

The continuing calibration %Ds for carbon disulfide, acetone, 2-butanone, vinyl acetate, and 4-methyl-2-pentanone exceeded the 25% quality control criteria. Only nondetects were reported for these compounds in the validated sample. No actions were taken for these compounds since only positive results are affected by this noncompliance.

The following compounds were detected in the laboratory method and field quality control blanks at the maximum concentrations indicated below:

Compound	Maximum Concentration	Action Level
acetone*	2.7 µg/L	0.027 mg/Kg
methylene chloride	0.0073 mg/Kg	0.073 mg/Kg

* - Maximum concentration as detected in the field quality control blanks.

Samples Affected: ST-258-01-0305

Percent moisture, sample aliquot size, and dilution factors were taken into consideration during the application of all action levels. Positive results reported at concentrations above the reporting limit but less than the action level were qualified as undetected "U". No actions were taken for acetone since only a nondetect was reported for this compound in the validated sample.

Laboratory Control Spike/Laboratory Control Spike Duplicate (LCS/LCSD) yielded low Percent Recoveries (%Rs) for acetone and carbon disulfide. Nondetects for these compounds in the validated sample were qualified as estimated, "UJ". Also, high Relative Percent Differences (RPDs) were reported for acetone, bromoform, 2-butanone, 2-hexanone, and 4-methyl-2-pentanone. No actions were necessary for the compounds with high RPDs since only nondetects were reported for these compounds in the validated sample.

No other problems were noted.

Semivolatiles

Continuing calibration %D for 2,4-dinitrophenol exceeded the 25% quality control criteria. Additionally, the %D for hexachlorocyclopentadiene was greater than 50%. The nondetect for hexachlorocyclopentadiene was qualified as estimated, "UJ", in the

validated sample. No actions were taken for 2,4-dinitrophenol since only a nondetect was reported for this compound in the validated sample.

The LCS/LCSD yielded a high %R for hexachlorocyclopentadiene. No actions were necessary since only a nondetect was reported for this compound in the validated sample and nondetects are not compromised by this noncompliance.

The LCS/LCSD yeilded a low %R for 4-chloroaniline. The nondetect for this compound in the validated sample was qualified as estimated, "UJ".

No other problems were noted.

KIRTLAND AIR FORCE BASE
CASE KRT2B, SDG ST258

TABLE 1 - RECOMMENDATION SUMMARY

Sample No.	VOA	BNA
ST-258-01-0305	A[1] J[1,2]	J[3,4]

If the field is left blank, the qualifier is A - Accept all data.

A[1] - Accept data, but qualify positive results for methylene chloride as undetected, "U", as a result of laboratory method blank contamination.

J[1] - Estimate, "UJ", nondetect for 2-hexanone as a result of continuing calibration %D > 50%.

J[2] - Estimate, "UJ", nondetects for acetone and carbon disulfide due to low LCS/LCSD recoveries.

J[3] - Estimate, "UJ", nondetect for hexachlorocyclopentadiene as a result of continuing calibration %D > 50%.

J[4] - Estimate, "UJ", nondetect for 4-chloroaniline due to low LCS/LCSD recovery.

Brown & Root Environmental

INTERNAL MEMORANDUM

TO: Karin Crandall

DATE: August 30, 1994

FROM: James Cao

COPIES: File 2A56

SUBJECT: ORGANIC DATA VALIDATION - VOA/BNA
KIRTLAND AIR FORCE BASE, RFI DATA
CASE KRT2B, SDG ST260

SAMPLES: Soils: ST-260-01-1014, ST-260-02-1014

Enseco and Halliburton NUS Laboratories analyzed 4 soil samples, 1 aqueous rinsate blank, and 1 trip blank for Target Compound List (TCL) volatile and semivolatile organic compounds. One field duplicate pair was included with this analytical data set. The trip blank was analyzed only for volatile organic compounds. This memorandum only addresses the evaluation of the two soil samples listed above since only ten percent of all the data will be reviewed.

The data for these analyses were reviewed with reference to the EPA "Functional Guidelines for Organic Data Validation", EPA SW-846 Methods 8240 and 8270, the "Brooks Air Force Base IRP Handbook", version 3.0, and the Stage 2B Sampling and Analysis Plan, January, 1993 and were evaluated according to the following parameters:

- Data completeness
- Holding times
- GC/MS tuning
- * Initial and continuing calibrations
- * Laboratory and field blank analyses
- * Surrogate spike recoveries
- * Laboratory control spike/laboratory control spike duplicate results
- * Internal standards performance
- Instrument performance
- Detection limits
- Sample quantitation

The symbol (*) indicates that quality control criteria were not met for this parameter. Problems affecting data usability are discussed below and the attached Table 1 summarizes the validation qualifications. Field duplicate results were not evaluated since the samples that comprise the field duplicate pair were not selected for validation. Additionally, the matrix spike/matrix spike duplicate results were not evaluated since the unspiked sample was not reviewed.

Volatiles

A continuing calibration Percent Difference (%D) for 2-chloroethyl vinyl ether was greater than 50%. Only nondetects were reported for this compound in the validated samples. The nondetects were qualified as estimated, "UJ".

The following compounds were detected in the laboratory method blanks at the maximum concentrations indicated below:

Compound	Maximum Concentration	Action Level
methylene chloride	0.0066 mg/Kg	0.066 mg/Kg

Samples Affected: ST-260-01-1014, ST-260-02-1014

Percent moisture, sample aliquot size, and dilution factors were taken into consideration during the application of all action levels. Positive results reported at concentrations above the reporting limit but less than the action level were qualified as undetected "U".

Laboratory Control Spike/Laboratory Control Spike Duplicate (LCS/LCSD) yielded high Percent Recoveries (%Rs) for carbon disulfide, chlorobenzene, 2-chloroethyl vinyl ether, and tetrachloroethene and a low %R for vinyl acetate. Nondetects for vinyl acetate were qualified as estimated, "UJ", in the validated samples. No actions were taken for the other compounds since only nondetects were reported for these compounds in the validated samples.

Positive results for acetone and toluene were reported by the laboratory at concentrations below the Reporting Limit (RL). These results were qualified s estimated, "J".

No other problems were noted.

Semivolatiles

Continuing calibration %D for hexachlorocyclopentadiene was greater than 50%. Also, the %D for 4-nitroaniline exceeded the 25% quality control criteria. The nondetects for hexachlorocyclopentadiene in the validated samples were qualified as estimated, "UJ". No actions were taken for 4-nitroaniline since only nondetects were reported for this compound in the validated samples.

The LCS/LCSD yielded high Percent Recoveries (%Rs) for 1,2,4-trichlorobenzene, hexachlorocyclopentadiene, hexachloroethane, hexachlorobutadiene, and dimethylphthalate. Additionally, a low %R was reported for 4-chloroaniline.

Nondetects for 4-chloroaniline were qualified as estiamted, "UJ" in the validated samples. No actions were necessary for the remaining compounds since only nondetects were reported for these compounds in the validated samples and nondetects were not considered to be compromised by these noncompliances.

The surrogate Percent Recoveries (%Rs) for nitrobenzene-d5, 2-fluorobiphenyl, and/or terphenyl-d14 in the validated samples were high. No actions were necessary since only nondetects were reported for the target compounds.

The internal standard area for perylene-d12 was below the lower quality control limit for sample ST-260-01-1014. Only nondetects were reported for target compounds in the affected sample and the nondetected results reported for compounds quantitated using the failed internal standard were qualified as estimated, "UJ".

No other problems were noted.

KIRTLAND AIR FORCE BASE
CASE KRT2B, SDG ST260

TABLE 1 - RECOMMENDATION SUMMARY

Sample No.	VOA	BNA
ST-260-01-1014	A^{1} $J^{1,5,6}$	$J^{2,3,4}$
ST-260-02-1014	A^{1} $J^{1,5,6}$	$J^{2,4}$

If the field is left blank, the qualifier is A - Accept all data.

A^{1} - Accept data, but qualify positive results for methylene chloride as undetected, "U", as a result of blank contamination.

J^{1} - Estimate, "UJ", nondetects for 2-chloroethyl vinyl ether as a result of continuing calibration %D > 50%.

J^{2} - Estimate, "UJ", nondetects for hexachlorocyclopentadiene as a result of continuing calibration %D > 50%.

J^{3} - Estimate, "UJ", nondetects for all compounds quantitated using the failed internal standard perylene-d12.

J^{4} - Estimate, "UJ", nondetect for 4-chloroaniline as a result of low LCS/LCSD recoveries.

J^{5} - Estimate, "J", positive results reported by the laboratory below the reporting limit.

J^{6} - Estimate, "UJ", nondetects for vinyl acetate as a result of low LCS/LCSD recoveries.

Brown & Root Environmental

INTERNAL MEMORANDUM

TO: Karin Crandall

DATE: August 31, 1994

FROM: James Cao

COPIES: File 2A56

SUBJECT: **ORGANIC DATA VALIDATION - VOA/BNA**
KIRTLAND AIR FORCE BASE, RFI DATA
CASE NO. KRT2B, SDG NO. ST261

SAMPLES: Soil: ST-261-01-0810, ST-261-02-0305

Enseco and Halliburton NUS Laboratories analyzed 4 soil samples, 1 aqueous rinsate blank, and 1 trip blank for Target Compound List (TCL) volatile and semivolatile organic compounds. One field duplicate pair was included with this analytical data set. The trip blank was analyzed only for volatile organic compounds. This memorandum only addresses the evaluation of the two soil samples listed above since only ten percent of all the data will be reviewed.

The data for these analyses were reviewed with reference to the EPA "Functional Guidelines for Organic Data Validation", EPA SW-846 Methods 8240 and 8270, the "Brooks Air Force Base IRP Handbook", version 3.0, and the Stage 2B Sampling and Analysis Plan, January, 1993 and were evaluated according to the following parameters:

- Data completeness
- Holding times
- GC/MS tuning
- * Initial and continuing calibrations
- * Laboratory and field blank analyses
- * Surrogate spike recoveries
- * Laboratory control spike/laboratory control spike duplicate results
- Internal standards performance
- Instrument performance
- Detection limits
- Sample quantitation

The symbol (*) indicates that quality control criteria were not met for this parameter. Problems affecting data usability are discussed below and the attached Table 1 summarizes the validation qualifications. Field duplicate results were not evaluated since the samples that comprise the field duplicate pair were not selected for validation. Additionally, the matrix spike/matrix spike duplicate results were not evaluated since the unspiked sample was not reviewed.

Volatiles

A continuing calibration Percent Difference (%D) for 2-chloroethyl vinyl ether was greater than the 50%. Only nondetects were reported for this compound in the validated samples. The nondetects were qualified as estimated, "UJ".

The following compound was detected in the laboratory method blanks at the maximum concentration indicated below:

Compound	Maximum Concentration	Action Level
methylene chloride	0.0066 mg/Kg	0.066 mg/Kg

Samples Affected: ST-261-01-0810, ST-261-02-0305

Percent moisture, sample aliquot size, and dilution factors were taken into consideration during the application of all action levels. Positive results reported at concentrations above the reporting limit but less than the action level were qualified as undetected "U".

Laboratory Control Spike/Laboratory Control Spike Duplicate (LCS/LCSD) yielded high Percent Recoveries (%Rs) for carbon disulfide, chlorobenzene, 2-chloroethyl vinyl ether, and tetrachloroethene and a low %R for vinyl acetate. Nondetects for vinyl acetate were qualified as estimated, "UJ". No actions were taken for the other compounds since only nondetects were reported for the other compounds in the validated samples. Nondetects are not affected by high LCS/LCSD recoveries.

No other problems were noted.

Semivolatiles

Continuing calibration %D for hexachlorocyclopentadiene was greater than 50%. Also, the %D for 4-nitroaniline exceeded the 25% quality control criteria. The nondetected results for hexachlorocyclopentadiene in the validated samples were qualified as estimated, "UJ". No actions were taken for 4-nitroaniline since only nondetects were reported for this compound in the validated samples.

The LCS/LCSD yielded high %Rs for 1,2,4-trichlorobenzene, hexachlorocyclopentadiene, hexachloroethane, hexachlorobutadiene, and dimethylphthalate. Additionally, a low %R was reported for 4-chloroaniline. Nondetects for 4-chloroaniline were qualified as estimated, "UJ". No actions were necessary for the other compounds since only nondetects were reported in the validated samples and nondetects were not considered to be compromised by this noncompliance.

The surrogate %Rs for nitrobenzene-d5, 2-fluorobiphenyl, and terphenyl-d14 in the validated samples were high. No actions were necessary since only nondetects were reported in the validated samples.

No other problems were noted.

KIRTLAND AIR FORCE BASE
CASE KRT2B, SDG ST261

TABLE 1 - RECOMMENDATION SUMMARY

Sample No.	VOA	BNA
ST-261-01-0810	A[1] J[1,2]	J[3,4]
ST-261-02-0305	A[1] J[1,2]	J[3,4]

If the field is left blank, the qualifier is A - Accept all data.

A[1] - Accept data, but qualify positive results for methylene chloride as undetected, "U", as a result of laboratory method and field quality control blank contaminations.

J[1] - Estimate, "UJ", nondetects for 2-chloroethyl vinyl ether as a result of continuing calibration %D > 50%.

J[2] - Estimate, "UJ", nondetects for vinyl acetate due to low LCS/LCSD recoveries.

J[3] - Estimate, "UJ", nondetects for hexachlorocyclopentadiene as a result of continuing calibration %D > 50%.

J[4] - Estimate, "UJ", nondetects for 4-chloroaniline due to low LCS/LCSD recoveries.

Brown & Root Environmental

INTERNAL MEMORANDUM

TO: Karin Crandall

DATE: September 5, 1994

FROM: James Cao

COPIES: File 2A56

SUBJECT: ORGANIC DATA VALIDATION - VOA/BNA
KIRTLAND AIR FORCE BASE, RFI DATA
CASE KRT2B, SDG ST263

SAMPLES: Soils: ST-263-03-0812

Enseco and Halliburton NUS Laboratories analyzed 14 soil samples, 1 aqueous rinsate blank, and 1 trip blank for Target Compound List (TCL) volatile and semivolatile organic compounds. One field duplicate pair was included with this analytical data set. The trip blank was analyzed only for volatile organic compounds. This memorandum only addresses the evaluation of the one soil sample listed above since only ten percent of all the data will be reviewed.

The data for these analyses were reviewed with reference to the EPA "Functional Guidelines for Organic Data Validation", EPA SW-846 Methods 8240 and 8270, the "Brooks Air Force Base IRP Handbook", version 3.0, and the Stage 2B Sampling and Analysis Plan, January, 1993 and were evaluated according to the following parameters:

- Data completeness
- Holding times
- GC/MS tuning
- * Initial and continuing calibrations
- * Laboratory and field blank analyses
- * Surrogate spike recoveries
- * Laboratory control spike/laboratory control spike duplicate results
- Internal standards performance
- * Field duplicate precision
- Instrument performance
- Detection limits
- Sample quantitation

The symbol (*) indicates that quality control criteria were not met for this parameter. Problems affecting data usability are discussed below and the attached Table 1 summarizes the validation qualifications. The matrix spike/matrix spike duplicate results were not evaluated since the unspiked sample was not reviewed.

Volatiles

The initial calibration Percent Relative Standard Deviation (%RSD) for acetone was greater than 50%. No actions were necessary for acetone because this result was qualified due to blank contamination in the validated sample. Additionally, the initial calibration Percent Relative Standard Deviation (%RSD) for 2-butanone exceeded the 25% quality control criteria. This compound was not detected in the validated sample therefore no action was necessary.

The following compounds were detected in the laboratory method and field quality control blanks at the maximum concentrations indicated below:

Compound	Maximum Concentration	Action Level
bromomethane	1.0 µg/l	0.005 mg/kg
2-butanone*	1.4 µg/l	0.014 mg/kg
acetone	0.0096 mg/kg	0.096 mg/kg
methylene chloride	0.0068 mg/kg	0.068 mg/kg

* - Maximum concentration was detected in the field quality control blank.

Sample Affected: ST-260-03-0812

Percent moisture, sample aliquot size, and dilution factors were taken into consideration during the application of all action levels. Positive results reported at concentrations above the reporting limit but less than the action level were qualified as undetected, "U". No actions were taken for bromomethane and 2-butanone since only nondetects were reported for these compounds.

Laboratory Control Spike/Laboratory Control Spike Duplicate (LCS/LCSD) Percent Recoveries (%Rs) for all target compounds in the analysis of LCSD (DCS2) were not calculated because DCS2 did not purge. No actions were taken based on this problem since the data could not be evaluated.

No other problems were noted.

Semivolatiles

Continuing calibration %Ds for benzoic acid and 3,3-dichlorobenzidine were greater than the 25% quality control criteria. No actions were necessary since only nondetects were reported for these compounds in the validated sample. Nondetects are not compromised by this noncompliance.

The surrogate Percent Recovery (%R) for phenol-d5 in the validated sample exceeded the quality control criteria. No actions were necessary since only one fractional surrogate was noncompliant.

The LCS/LCSD yielded high Percent Recoveries (%Rs) for dimethylphthalate and hexachloroethane. No actions were necessary since only nondetects were reported for these compounds in the validated sample and nondetects were not considered to be compromised by these noncompliances. Additionally, zero %Rs were reported for benzoic acid. Only nondetect was reported for benzoic acid in the validated sample and the nondetect was considered to be unsable and was rejected, "R".

The field duplicate associated with sample 263-03-0812 yielded a Relative Percent Difference (RPD) for phenol that exceeded 50%. The positive result for phenol was qualified as estimated, "J" in the validated sample of the field duplicate pair.

No other problems were noted.

KIRTLAND AIR FORCE BASE
CASE KRT2B , SDG ST263

TABLE 1 - RECOMMENDATION SUMMARY

Sample No.	VOA	BNA
ST-263-03-0812	A^1 J^1	J^2 R^1

If the field is left blank, the qualifier is A - Accept all data.

A^1 - Accept data, but qualify positive results for acetone and methylene chloride as undetected, "U", as a result of blank contamination.

J^1 - Estimate, "J", positive result for acetone as a result of initial calibration %RSD > 50.

J^2 - Estimate, "J", positive result for phenol as a result of field duplicate imprecision.

R^1 - Reject, "R", nondetect for benzoic acid as a result of extremely low LCS/LCSD recoveries.

Brown & Root Environmental

INTERNAL MEMORANDUM

TO: Karin Crandall

DATE: August 31, 1994

FROM: James Cao

COPIES: File 2A56

SUBJECT: **ORGANIC DATA VALIDATION - VOA/BNA**
KIRTLAND AIR FORCE BASE, RFI DATA
CASE NO. KRT2B, SDG NO. ST264

SAMPLES: Soil: ST-264-03-0709

Enseco and Halliburton NUS Laboratories analyzed 6 soil samples, 1 aqueous rinsate blank, and 1 trip blank for Target Compound List (TCL) volatile and semivolatile organic compounds. No field duplicate pair was included with this analytical data set. The trip blank was analyzed only for volatile organic compounds. This memorandum only addresses the evaluation of the one soil sample listed above since only ten percent of all the data will be reviewed.

The data for these analyses were reviewed with reference to the EPA "Functional Guidelines for Organic Data Validation", EPA SW-846 Methods 8240 and 8270, the "Brooks Air Force Base IRP Handbook", version 3.0, and the Stage 2B Sampling and Analysis Plan, January, 1993 and were evaluated according to the following parameters:

- Data completeness
- Holding times
- GC/MS tuning
- * Initial and continuing calibrations
- * Laboratory and field blank analyses
- Surrogate spike recoveries
- * Laboratory control spike/laboratory control spike duplicate results
- Internal standards performance
- Instrument performance
- Detection limits
- Sample quantitation

The symbol (*) indicates that quality control criteria were not met for this parameter. Problems affecting data usability are discussed below and the attached Table 1 summarizes the validation qualifications. The matrix spike/matrix spike duplicate results were not evaluated since the unspiked sample was not reviewed.

Volatiles

Continuing calibration Percent Differences (%Ds) for carbon disulfide and vinyl acetate were greater than 50%. Nondetects reported for these compounds were qualified as estimated, "UJ", in the validated sample.

Several continuing calibration %Ds for chloromethane, acetone, 1,1,1-trichloroethane, carbon tetrachloride, and 2-hexanone exceeded the 25% quality control criteria. Only nondetects were reported for these compounds in the validated sample. No actions were taken for these compounds since nondetects are not affected by this noncompliance.

The following compounds were detected in the laboratory method and field quality control blanks at the maximum concentrations indicated below:

Compound	Maximum Concentration	Action Level
acetone*	21 µg/L	0.21 mg/Kg
methylene chloride	4.8 µg/L	0.048 mg/Kg

* - Maximum concentration were detected in the field quality control blanks.

Affected Sample: ST-264-03-0709

Percent moisture, sample aliquot size, and dilution factors were taken into consideration during the application of all action levels. Positive results reported at concentrations above the reporting limit but less than the action level were qualified as undetected "U".

Laboratory Control Spike/Laboratory Control Spike Duplicate (LCS/LCSD) yielded low Percent Recoveries (%Rs) for acetone, carbon disulfide, and vinyl acetate. Nondetects for carbon disulfide and vinyl acetate were qualified as estimated, "UJ", in the validated sample. No actions were necessary for acetone since this result was qualified due to blank contamination.

The LCS/LCSD yielded high %Rs for bromomethane, chloroethane, chloromethane, and vinyl chloride. Additionally, a high Relative Percent Difference (RPD) for toluene was reported. No actions were taken for these compounds with high %Rs and RPD since no positive results were reported for these compounds in the validated sample.

No other problems were noted.

Semivolatiles

Continuing calibration %Ds for benzyl alcohol and benzoic acid were greater than 50%. Only nondetects were reported for these compounds and the nondetects in the validated sample were qualified as estimated, "UJ".

The continuing calibration %Ds for hexachlorobutadiene, hexachlorocyclopentadiene, 2,4-dinitrophenol, 4,6-dinitro-2-methylphenol, and 3,3-dichlorobenzidine exceeded the 25% quality control criteria. No actions were taken for these compounds since only nondetects were reported for these compounds in the validated sample.

The LCS/LCSD yielded high %R for 2-methylnaphthalene, hexachlorocyclopentadiene, and dimethylphthalate. No actions were necessary since only nondetects were reported for these compounds in the validated sample and nondetects are not compromised by this noncompliance.

No other problems were noted.

KIRTLAND AIR FORCE BASE
CASE KRT2B, SDG ST264

TABLE 1 - RECOMMENDATION SUMMARY

Sample No.	VOA		BNA
ST-264-03-0709	A[1]	J[1]	J[2]

If the field is left blank, the qualifier is A - Accept all data.

A[1] - Accept data, but qualify positive results for methylene chloride and acetone as undetected, "U", as a result of laboratory method and field quality control blank contamination.

J[1] - Estimate, "UJ", nondetected results for carbon disulfide and vinyl acetate as a result of continuing calibration %D > 50% and low LCS/LCSD recoveries.

J[2] - Estimate, "UJ", nondetected results for benzyl alcohol and benzoic acid as a result of continuing calibration %D > 50%.

Brown & Root Environmental

INTERNAL MEMORANDUM

TO: Karin Crandall

DATE: August 31, 1994

FROM: James Cao

COPIES: File 2A56

SUBJECT: **ORGANIC DATA VALIDATION - VOA/BNA**
KIRTLAND AIR FORCE BASE, RFI DATA
CASE NO. KRT2B, SDG NO. ST266

SAMPLES: Soil: ST-266-03-0608

Enseco and Halliburton NUS Laboratories analyzed 11 soil samples, 1 aqueous rinsate blank, and 1 trip blank for Target Compound List (TCL) volatile and semivolatile organic compounds. One field duplicate pair was included with this analytical data set. The trip blank was analyzed only for volatile organic compounds. This memorandum only addresses the evaluation of the one soil sample listed above since only ten percent of all the data will be reviewed.

The data for these analyses were reviewed with reference to the EPA "Functional Guidelines for Organic Data Validation", EPA SW-846 Methods 8240 and 8270, the "Brooks Air Force Base IRP Handbook", version 3.0, and the Stage 2B Sampling and Analysis Plan, January, 1993 and were evaluated according to the following parameters:

- Data completeness
- Holding times
- GC/MS tuning
- * Initial and continuing calibrations
- * Laboratory and field blank analyses
- Surrogate spike recoveries
- * Laboratory control spike/laboratory control spike duplicate results
- Internal standards performance
- Instrument performance
- Detection limits
- Sample quantitation

The symbol (*) indicates that quality control criteria were not met for this parameter. Problems affecting data usability are discussed below and the attached Table 1 summarizes the validation qualifications. Field duplicate results were not evaluated since the samples that comprise the field duplicate pair were not selected for validation. Additionally, the matrix spike/matrix spike duplicate results were not evaluated since the unspiked sample was not reviewed.

Volatiles

The continuing calibration Relative Response Factor (RRF) for 2-chloroethyl vinyl ether was less than 0.05. The nondetect reported for this compound in the validated sample is considered unusable and was rejected, "R".

Continuing calibration Percent Differences (%Ds) for 2-hexanone and 2-chloroethyl vinyl ether were greater than 50%. Only nondetects were reported for these compounds in the validated sample. The nondetect for 2-chloroethyl vinyl ether was rejected due to a more severe calibration noncompliance. The nondetect for 2-hexanone was qualified as estimated, "UJ", in the validated sample.

Continuing calibration %Ds for carbon disulfide, acetone, 2-butanone, vinyl acetate, cis-1,3-dichloropropene, trans-1,3-dichloropropene, 4-methyl-2-pentanone, and styrene exceeded the 25% quality control criteria. Only nondetects were reported for these compounds in the validated sample. No actions were taken for these compounds since only positive results are affected by this noncompliance.

The following compounds were detected in the laboratory method and field quality control blanks at the maximum concentrations indicated below:

Compound	Maximum Concentration	Action Level
acetone*	18 µg/L	0.18 mg/Kg
methylene chloride	0.0062 mg/Kg	0.062 mg/Kg

* - Maximum concentration were detected in the field quality control blanks.

Affected Sample: ST-266-03-0608

Percent moisture, sample aliquot size, and dilution factors were taken into consideration during the application of all action levels. Positive results reported at concentrations above the reporting limit but less than the action level were qualified as undetected "U". No actions were taken for acetone since only a nondetect was reported in the validated sample.

Laboratory Control Spike/Laboratory Control Spike Duplicate (LCS/LCSD) yielded high Percent Recoveries (%Rs) for acetone, 2-butanone, carbon disulfide, 2-chloroethyl vinyl ether, 2-hexanone, and styrene. No actions were taken for the compounds with high %Rs since only nondetects were reported for these compounds in the validated sample.

No other problems were noted.

Semivolatiles

Continuing calibration %D for hexachlorocyclopentadiene exceeded the 25% quality control criteria. No actions were taken for hexachlorocyclopentadiene since only a nondetect was reported for this compound in the validated sample. Nondetects are not affected by this noncompliance.

The LCS/LCSD yielded high %Rs for hexachloroethane, hexachlorobutadiene, hexachlorocyclopentadiene, dimethylphthalate, and 1,2,4-trichlorobenzene. No actions were necessary since only nondetects were reported for these compounds in the validated sample and nondetects are not considered to be compromised by these noncompliances.

No other problems were noted.

KIRTLAND AIR FORCE BASE
CASE KRT2B, SDG ST266

TABLE 1 - RECOMMENDATION SUMMARY

Sample No.	VOA	BNA
ST-266-03-0608	A[1] J[1] R[1]	

If the field is left blank, the qualifier is A - Accept all data.

A[1] - Accept data, but qualify positive results for methylene chloride as undetected, "U", as a result of laboratory method blank contamination.

J[1] - Estimate, "UJ", nondetect for 2-hexanone as a result of continuing calibration %D > 50%.

R[1] - Reject, "R", nondetect for 2-chloroethyl vinyl ether as a result of continuing calibration RRF < 0.05.

Brown & Root Environmental

INTERNAL MEMORANDUM

TO: Karin Crandall

DATE: August 31, 1994

FROM: James Cao

COPIES: File 2A56

SUBJECT: ORGANIC DATA VALIDATION - VOA/BNA
KIRTLAND AIR FORCE BASE, RFI DATA
CASE NO. KRT2B, SDG NO. ST267

SAMPLES: Soil: ST-267-03-0911, ST-267-04-0406

Enseco and Halliburton NUS Laboratories analyzed 8 soil samples, 1 aqueous rinsate blank, and 1 trip blank for Target Compound List (TCL) volatile and semivolatile organic compounds. No field duplicate pair was included with this analytical data set. The trip blank was analyzed only for volatile organic compounds. This memorandum only addresses the evaluation of the two soil samples listed above since only ten percent of all the data will be reviewed.

The data for these analyses were reviewed with reference to the EPA "Functional Guidelines for Organic Data Validation", EPA SW-846 Methods 8240 and 8270, the "Brooks Air Force Base IRP Handbook", version 3.0, and the Stage 2B Sampling and Analysis Plan, January, 1993 and were evaluated according to the following parameters:

- Data completeness
- Holding times
- GC/MS tuning
- * Initial and continuing calibrations
- * Laboratory and field blank analyses
- Surrogate spike recoveries
- * Laboratory control spike/laboratory control spike duplicate results
- Internal standards performance
- Instrument performance
- Detection limits
- Sample quantitation

The symbol (*) indicates that quality control criteria were not met for this parameter. Problems affecting data usability are discussed below and the attached Table 1 summarizes the validation qualifications. The matrix spike/matrix spike duplicate results were not evaluated since the unspiked sample was not reviewed.

Volatiles

Continuing calibration Percent Differences (%Ds) for 2-butanone, 2-chloroethyl vinyl ether, and 2-hexanone were greater than 50%. Only nondetects were reported for these compounds in the validated samples. The nondetects were qualified as estimated, "UJ".

Continuing calibration %Ds for acetone and 4-methyl-2-pentanone exceeded the 25% quality control criteria. No actions were teken since only nondetects were reported for these compounds in the validated samples. Nondetects are not affected by this noncompliance.

The following compounds were detected in the laboratory method and field quality control blanks at the maximum concentrations indicated below:

Compound	Maximum Concentration	Action Level
vinyl chloride*	3.5 µg/L	0.018 mg/kg
acetone	0.0055 mg/kg	0.055 mg/kg
methylene chloride	0.0062 mg/kg	0.062 mg/kg

* - Maximum concentration were detected in the field quality control blanks.

Samples Affected: ST-267-03-0911, ST-267-04-0406

Percent moisture, sample aliquot size, and dilution factors were taken into consideration during the application of all action levels. Positive results reported at concentrations above the reporting limit but less than the action level were qualified as undetected "U". No actions were necessary for vinyl chloride and acetone since only nondetects were reported in the validated samples.

Laboratory Control Spike/Laboratory Control Spike Duplicate (LCS/LCSD) yielded high Percent Recoveries (%Rs) for acetone, 2-butanone, carbon disulfide, 2-chloroethyl vinyl ether, 2-hexanone, 4-methyl-2-pentanone, and styrene. Additionally, high Relative Percent Differences (RPDs) were reported for ethylbenzene and xylenes (total). No actions were taken for the compounds with high %Rs and RPDs since only nondetects were reported for these compounds in the validated samples. Nondetects are not affected by these noncompliances.

No other problems were noted.

Semivolatiles

Continuing calibration %D for hexachlorocyclopentadiene was greater than 50%. The

nondetects for hexachlorocyclopentadiene in the validated samples were qualified as estimated, "UJ".

The continuing calibration %Ds for benzoic acid, hexachlorobutadiene, 3-nitroaniline, 4-nitroaniline, and 3,3-dichlorobenzidine exceeded the 25% quality control criteria. No actions were taken for the remaining compounds since only nondetects were reported for these compounds in the validated samples.

The LCS/LCSD yielded high %Rs for hexachlorocyclopentadiene. No actions were necessary since only nondetects were reported for this compound in the validated samples and nondetects were not considered to be compromised by this noncompliance.

No other problems were noted.

KIRTLAND AIR FORCE BASE
CASE KRT2B, SDG ST267

TABLE 1 - RECOMMENDATION SUMMARY

Sample No.	VOA		BNA
ST-267-03-0911	A[1]	J[1]	J[2]
ST-267-04-0406	A[1]	J[1]	J[2]

If the field is left blank, the qualifier is A - Accept all data.

A[1] - Accept data, but qualify positive results for methylene chloride as undetected, "U", as a result of laboratory method blank contamination.

J[1] - Estimate, "UJ", nondetects for 2-butanone, 2-chloroethyl vinyl ether, and 2-hexanone as a result of continuing calibration %D > 50%.

J[2] - Estimate, "UJ", nondetects for hexachlorocyclopentadiene as a result of continuing calibration %D > 50%.

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Kirtland Air Force Base
Albuquerque, New Mexico

RCRA Facility Investigation (RFI)
Stage 2B

Appendices K4-L

FINAL DRAFT - December 8, 1994

377 ABW/EMR
2000 Wyoming Blvd SE
Kirtland AFB, New Mexico 87117-5659

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Appendix L Quality Assurance and Quality Control for Production of Documents

K.4 Case Narratives

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST201
INORGANIC DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST201
INORGANIC

1) The samples in this data package were analyzed by protocols that are to meet the requirements of "Handbook to Support the Installation Restoration Program (IRP) Statements of Work", May 1991 and any project-specific requirements. The requirements for analysis and reporting are specified in the laboratory quality assurance plan for AFCEE as modified by the Sampling and Analysis Plan.

2) CLP reporting forms were used even though CLP protocols are not required for the analyses. Data qualifiers, as specified in the table immediately following the Cover Page, are used on the reporting forms according to CLP requirements; although these requirements may not be specific to AFCEE reporting procedures.

3) The "date received" that appears on Form 1s is actually the date of sample collection.

4) AFCEE protocol requires duplicate laboratory control standards (LCS/LCSD) as a means of obtaining precision and accuracy on each batch. Therefore, the following CLP reporting forms were used to report LCS/LCSD and MS/MSD data.

   - Two separate Form 5-As for recoveries for matrix spike and matrix spike duplicate.
   - Form 6 (one each) for RPDs for MS/MSD and LCS/LCSD.
   - Form 7 (two) for recoveries for LCS/LCSD.

5) A CRDL standard was analyzed for all required analytes. As recovery limits have not been established for the CRDL standard, the results, as obtained, are reported on Form 2B. No corrective action is required for high or low recovery situations. Percent recovery calculations are performed on the actual value, even if found to be below the IDL.

6) Times of analysis for instruments that do not provide this information (MAS50B) are estimated on Form 14 (Analytical Run Log).

7) Analyte field size restrictions resulted in Molybdenum being truncated to "Molybdenu" on the reporting forms.

8) The laboratory has procured and used a new LCS material (ERA Lot 219) with the soil samples in this SDG. The new material is physically different than previous solid LCS material and, consequently, yields recoveries for most metals substantially different than the previously established, statistically-based, control limits. Therefore, default control limits provided by the manufacturer of the material, Environmental Resource Associates, are used. These limits are listed in Form 7 of the case. The default control limits are being used until new statistically-based control limits can be established for the new solid control material. With the exception of aluminum, all metals are yielding recoveries within the default range. Aluminum, yielding an average of 154% from preliminary evaluations of the material (eight separate analyses referred by NIST SRM 2710), is believed to be true and accurate for the NUS Laboratory due to the nature of the new LCS material. Aluminum results are, therefore, reported with this apparent discrepancy until new statistically-based limits can be established.

9) A QC sample (MS/MSD) was not designated for the samples in this SDG. However, AFCEE sample 201-01-1113 (NUS sample P269229) was digested and analyzed as the solid QC for all metals, with the exception of mercury. Solid quality control mercury analysis was performed on AFCEE sample 201-02-0608 (NUS sample P269620). Aqueous QC analysis was performed on AFCEE sample EB-201-041394 (NUS sample P269619) for all elements except mercury.

10) The laboratory control standard (LCS sample P270494) prepared with the aqueous sample, EB-201-041394 (NUS sample P269619), yielded results for a few elements (molybdenum, sodium, and thallium) outside of their respective statistically-based control limits. The data on these analytes were accepted though because the relative errors on these analytes are less than the limits on process control variables which affect the outcome of these results. For example, the ICP instrument calibration has acceptance criteria of 100 ± 10% while the LCS recovery limits are less than this range. Molybdenum has a statistically based recovery range of 91.7 to 101% recovery. The observed results for molybdenum was 101.2% which is just out of the statistically based range. However, this is an excellent recovery for the analysis and had the instrument been running on continuing calibrations just a few percent lower (but still well within its calibration range), then molybdenum would have yielded a result in the range. The same argument is true for thallium and sodium which recovered at 106.6% and 105.5% respectively. Their upper

statistically-based limit is 105%. This value and even 100% recovery would have been observed had the calibration been running slightly lower but still well within its acceptance range of 100 ± 10%.

11) Silver on the aqueous LCS (NUS sample P270494) yielded a recovery of 126% above the default limit of 120% (a statistically-based limit is presently established for silver). However, the only sample in batch 25348 associated with this LCS is the equipment blank (EB-201-041394) and it yields a result less than the detection limit for silver. Consequently, the positive bias observed on the LCS was not observed on the sample and silver on the LCS was accepted.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST201
SEMIVOLATILE DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST201
SEMIVOLATILES

1) The samples in this package were analyzed by protocol to meet the requirements of the Air Force IRP/AFCEE as defined in "Handbook to Support the Installation Restoration Program (IRP) Statements of Work," May, 1991. These requirements are defined in the Sampling and Analysis Plan (SAP) as modified by any subsequent revision.

2) The LCS/LCSD pair data were tabulated and reported as if they were MS/MSD. Each LCS/LCSD pair was given the name of the associated blank followed by either the MS (LCS) or MSD (LCSD) suffix. For example, water blank SBLKFC is associated with SBLKFCMS (LCS) and SBLKFCMSD.

3) LCS/LCSD pair data acceptance criteria include the stipulation that the data are acceptable as long as no more than 25% of the data fail recovery on RPD criteria. No LCS/LCSD pairs in this case were unacceptable.

4) Internal standard areas are reported for all sample analyses, but corrective action is required only if internal standard areas for a continuing calibration do not meet criteria as specified in the SW-846 method.

5) No surrogate failures were noted.

6) The %D for the following continuing calibration compounds exceeded the 25% limit established for AFCEE protocol.

Instrument/Date and Time	Compound	%D
GCMSF - 5/5/94 - 1002	2-methylnaphthalene	-35.1
GCMSF - 5/6/94 - 1207	2-methylnaphthalene	-35.8
GCMSF - 5/7/94 - 0054	Hexachlorobutadiene 2-methylnaphthalene	-28.1 -39.2

The continuing calibration is valid, since up to 4 compounds may exceed the 25% limit as long as they do not exceed 40%D or have an RF $\leq$0.010.

7) Lot #LA41854 of LCS/LCSD spiking solution obtained from Supelco, Inc. included several target analytes which were prepared in the cocktail at a concentration other than 100 µg/mL. For those compounds whose concentrations were determined to exceed 100 ± 5 µg/mL their concentrations were corrected and the corrected concentrations used to determine LCS/LCSD and MS/MSD recoveries.

8) Due to software limitations, a generalized Form 6 was used to report initial calibration results.

9) The following compound exceeded the 20.5% RSD limit established for AFCEE protocol.

Instrument/Date and Time	Compound	%D
GCMSF - 5/11/94 - 1624	2-fluorophenol	23.6

The initial calibration is valid, since up to 4 compounds may exceed the %RSD criteria as long as their RRFs are ≥0.010.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST201
DIESEL RANGE ORGANICS DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST201
DIESEL RANGE ORGANICS (DRO)

1) Diesel range organics (DRO) analyses were conducted by extracting 1 liter of water or 30 grams of soil with methylene chloride. The extracts were concentrated to 1 mL and analyzed by gas chromatography. A Hewlett-Packard 5890 gas chromatograph fitted with a 30 meter, 0.53 mm ID (megabore) RTX-5 capillary column and equipped with a flame ionization detector was used to complete the analyses.

2) A 5-point calibration was performed for DRO using a 10-component synthetic standard mix. For each level of calibration, the areas observed for the peaks were summed. The sum of the peaks from each calibration level was plotted against the concentration (µg/mL). If the correlation coefficient (r) >0.995 or the determination coefficient (R^2) >0.990, the calibration is linear. Reasonable quadratic curves may be used when the calibration is not linear. Sample concentrations were determined from the plot labelled "DRO" by comparing the total area observed for component peaks eluting between the retention times of decane and octacosane to the corresponding concentration (amount) in µg/mL. This value is then corrected for extract volume, the volume or weight of sample extracted and the dilution factor (if any). The surrogate standard, n-pentacosane, elutes within the DRO window. Its area is subtracted from the total area observed.

3) Sample concentrations were calculated using the following formulas:

For Soils:

$$DRO\ (\mu g\ /Kg) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the weight of the sample extracted in kilograms.
DF = the dilution factor.

For Waters:

$$DRO\ (\mu g\ /L) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the volume of sample extracted in liters.
DF = the dilution factor.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST201
GASOLINE RANGE ORGANICS DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST201
GASOLINE RANGE ORGANICS (GRO)

1) Gasoline range organics analyses (GRO) were conducted by purging 5 mL of water or 5 grams of soil with an inert gas. The purged contaminants were trapped and thermally desorbed onto a 105 meter, 502.2 chromatography column installed in a Varian 3700 gas chromatograph. The gas chromatograph was equipped with a flame ionization detector.

2) A 5-point calibration was performed for GRO using a sample of regular unleaded gasoline. For each level of calibration, the areas observed for the peaks were summed. The sum of the peaks eluting between the retention times of 2-methylpentane and 1,2,4-trimethylbenzene from each calibration level was plotted against the concentration (µg/L or µg/kg). If the correlation coefficient (r) ≥ 0.995 or the determination coefficient (R^2) >0.990, the calibration is linear. Reasonable quadratic curves may be used when the calibration is not linear. Sample concentrations were determined from the plot labelled "GASOLINE" by comparing the total area observed for component peaks eluting between the retention times of 2-methylpentane and 1,2,4-trimethylbenzene to the corresponding concentration (amount) in µg/L or µg/Kg. The surrogate standard α,α,α-trifluorotoluene, elutes within the GRO window. Its area is subtracted from the total area observed.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST202
SEMIVOLATILE DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST202
SEMIVOLATILES

1) The samples in this package were analyzed by protocol to meet the requirements of the Air Force IRP/AFCEE as defined in "Handbook to Support the Installation Restoration Program (IRP) Statements of Work," May 1991. These requirements are defined in the Sampling and Analysis Plan (SAP) as modified by any subsequent revisions.

2) The LCS/LCSD pair data were tabulated and reported as if they were MS/MSD. Each LCS/LCSD pair was given the name of the associated blank followed by either the MS (LCS) or MSD (LCSD) suffix. For example, soil blank SBLKFQ is associated with SBLKFQMS (LCS) and SBLKFQMSD.

3) LCS/LCSD pair data acceptance criteria include the stipulation that the data are acceptable as long as no more than 25% of the data fail recovery on RPD criteria. No LCS/LCSD pairs in this case were unacceptable.

4) Internal standard areas are reported for all sample analyses, but corrective action is required only if internal standard areas for a continuing calibration do not meet criteria as specified int he SW-846 method.

5) No surrogate failures were noted.

6) Lot #LA41854 of LCS/LCSD spiking solution obtained from Supelco, Inc. included several target analytes which were prepared in the cocktail at a concentration other than 100 µg/mL. For those compounds whose concentrations were determined to exceed 100 ± 5 µg/mL, their concentrations were corrected and the corrected concentrations used to determine LCS/LCSD and MS/MSD recoveries.

7) Due to software limitations, a generalized Form 6 was used to report initial calibration results.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST202
INORGANIC DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST202
INORGANIC

1) The samples in this data package were analyzed by protocols that are to meet the requirements of "Handbook to Support the Installation Restoration Program (IRP) Statements of Work", May 1991 and any project-specific requirements. The requirements for analysis and reporting are specified in the laboratory quality assurance plan for AFCEE as modified by the Sampling and Analysis Plan.

2) CLP reporting forms were used even though CLP protocols are not required for the analyses. Data qualifiers, as specified in the table immediately following the Cover Page, are used on the reporting forms according to CLP requirements; although these requirements may not be specific to AFCEE reporting procedures.

3) The "date received" that appears on Form 1s is actually the date of sample collection.

4) AFCEE protocol requires duplicate laboratory control standards (LCS/LCSD) as a means of obtaining precision and accuracy on each batch: In addition, MS/MSD are required instead of duplicate/matrix spikes. Therefore, the following CLP reporting forms were used to report LCS/LCSD data.

   - Two separate Form 5-As for recoveries for matrix spike and matrix spike duplicate.
   - Form 6 (one each) for RPD's for MS/MSD and LCS/LCSD.
   - Form 7 (two) for recoveries for LCS/LCSD.

5) A CRDL standard was analyzed for all required analytes. As recovery limits have not been established for the CRDL standard, the results, as obtained, are reported on Form 2B. No corrective action is required for high or low recovery situations. Percent recovery calculations are performed on the actual value, even if found to be below the IDL.

6) Times of analysis for instruments that do not provide this information (MAS50B) are estimated on Form 14 (Analytical Run Log).

7) Analyte field size restrictions resulted in Molybdenum being truncated to "Molybdenu" on the reporting forms.

8) The laboratory has procured and used a new LCS material (ERA Lot 219) with the soil samples in this SDG. The new material is physically different than previous solid LCS material and, consequently, yields recoveries for most metals substantially different than the previously established, statistically-based, control limits. Therefore, default control limits provided by the manufacturer of the material, Environmental Resource Associates, are used. These limits are listed in Form 7 of the case. The default control limits are being used until new statistically-based control limits can be established for the new solid control material. With the exception of aluminum, all metals are yielding recoveries within the default range. Aluminum, yielding an average of 154% from preliminary evaluations of the material (eight separate analyses referred by NIST SRM 2710), is believed to be true and accurate for the NUS Laboratory due to the nature of the new LCS material. Aluminum results are, therefore, reported with this apparent discrepancy until new statistically-based limits can be established.

9) A QC sample (MS/MSD) was not designated for the samples in this SDG. However, AFCEE sample EB-202-041194 (NUS sample P269520) was digested and analyzed as the aqueous QC for mercury. Therefore, data qualifiers for elements determined by ICP do not appear on reporting forms. Additionally, the soil samples were batched with other Kirtland samples from which a QC sample, 204-02-0610 (NUS sample P269526), was prepared. QC data on sample 204-02-0610 in package ST204 is available for use of data qualifiers and evaluation of results on soils in this SDG.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST202
GASOLINE RANGE ORGANICS DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST202
GASOLINE RANGE ORGANICS (GRO)

1) The sample in this data package was analyzed by protocols that are to meet the requirements of "Handbook to Support the Installation Restoration Program (IRP) Statements of Work", May 191 and any project-specific requirements. The requirements for analysis and reporting are specified in the laboratory quality assurance plan for AFCEE as modified by the Sampling and Analysis Plan.

2) Gasoline range organics analyses (GRO) were conducted by purging 5 mL of water or 5 grams of soil with an inert gas. The purged contaminants were trapped and thermally desorbed onto a 105 meter, 502.2 chromatography column installed in a Varian 3700 gas chromatograph. The gas chromatograph was equipped with a flame ionization detector.

3) A 5-point calibration was performed for GRO using a sample of regular unleaded gasoline. For each level of calibration, the areas observed for the peaks were summed. The sum of the peaks eluting between the retention times of 2-methylpentane and 1,2,4-trimethylbenzene from each calibration level was plotted against the concentration (µg/L or µg/kg). If the correlation coefficient (r) ≥ 0.995 or the determination coefficient (R^2) >0.990, the calibration is linear. Reasonable quadratic curves may be used when the calibration is not linear. Sample concentrations were determined from the plot labelled "GASOLINE" by comparing the total area observed for component peaks eluting between the retention times of 2-methylpentane and 1,2,4-trimethylbenzene to the corresponding concentration (amount) in µg/L or µg/Kg. The surrogate standard α,α,α-trifluorotoluene, elutes within the GRO window. Its area is subtracted from the total area observed.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST202
DIESEL RANGE ORGANICS DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST202
DIESEL RANGE ORGANICS (DRO)

1) Diesel range organics (DRO) analyses were conducted by extracting 1 liter of water or 30 grams of soil with methylene chloride. The extracts were concentrated to 1 mL and analyzed by gas chromatography. A Hewlett-Packard 5890 gas chromatograph fitted with a 30 meter, 0.53 mm ID (megabore) RTX-5 capillary column and equipped with a flame ionization detector was used to complete the analyses.

2) A 5-point calibration was performed for DRO using a 10-component synthetic standard mix. For each level of calibration, the areas observed for the peaks were summed. The sum of the peaks from each calibration level was plotted against the concentration (µg/mL). If the correlation coefficient (r) >0.995 or the determination coefficient (R^2) >0.990, the calibration is linear. Reasonable quadratic curves may be used when the calibration is not linear. Sample concentrations were determined from the plot labelled "DRO" by comparing the total area observed for component peaks eluting between the retention times of decane and octacosane to the corresponding concentration (amount) in µg/mL. This value is then corrected for extract volume, the volume or weight of sample extracted and the dilution factor (if any). The surrogate standard, n-pentacosane, elutes within the DRO window. Its area is subtracted from the total area observed.

3) Sample concentrations were calculated using the following formulas:

For Soils:

$$DRO\ (\mu g\ /Kg) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the weight of the sample extracted in kilograms.
DF = the dilution factor.

For Waters:

$$DRO\ (\mu g\ /L) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the volume of sample extracted in liters.
DF = the dilution factor.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST202
VOLATILE DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST202
VOLATILES

1) The samples in this package were analyzed by protocol to meet the requirements of the Air Force IRP/AFCEE as defined in "Handbook to Support the Installation Restoration Program (IRP) Statements of Work," May 1991. These requirements are defined in the Sampling and Analysis Plan (SAP) as modified by any subsequent revisions.

2) The LCS/LCSD pair data were tabulated and reported as if they were MS/MSD. Each LCS/LCSD pair was given the name of the associated blank followed by either the MS (LCS) or MSD (LCSD) suffix. For example, water blank VBLKES is associated with VBLKESMS (LCS) and VBLKES (MSD).

3) LCS/LCSD pair data acceptance criteria include the stipulation that the data are acceptable as long as no more than 25% of the data fail recovery on RPD criteria.

4) Internal standard areas are reported for all sample analyses, but corrective action is required only if internal standard areas for a continuing calibration do not meet criteria as specified in the SW-846 method.

5) No surrogate failures were noted.

6) The %D for the following continuing calibration compounds exceeded the 25% limit established for AFCEE protocol.

Instrument/Date and Time	Compound	%D
GCMSE - 4/14/94 - 1255	Styrene	-32.1

The continuing calibration was valid, since up to two compounds could exceed the limit provided the %D was ≤40.0% and the RRF ≥0.010.

7) For samples acquired on GCMSE on 4/14/94, an acetone reference spectrum from the Wiley library was inserted into the package. The data system's acetone reference spectrum exhibited from coeluting with acetone.

8) The date received indicated on the Form 1s is actually the date sampled.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST203
INORGANIC DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST203
INORGANIC

1) The samples in this data package were analyzed by protocols that are to meet the requirements of "Handbook to Support the Installation Restoration Program (IRP) Statements of Work", May 1991 and any project-specific requirements. The requirements for analysis and reporting are specified in the laboratory quality assurance plan for AFCEE as modified by the Sampling and Analysis Plan.

2) CLP reporting forms were used even though CLP protocols are not required for the analyses. Data qualifiers, as specified in the table immediately following the Cover Page, are used on the reporting forms according to CLP requirements; although these requirements may not be specific to AFCEE reporting procedures.

3) The "date received" that appears on Form 1s is actually the date of sample collection.

4) AFCEE protocol requires duplicate laboratory control standards (LCS/LCSD) as a means of obtaining precision and accuracy on each batch. Therefore, the following CLP reporting forms were used to report LCS/LCSD data.

   - Form 6 (one each) for RPD's for MS/MSD and LCS/LCSD.
   - Form 7 (two) for recoveries for LCS/LCSD.

5) A CRDL standard was analyzed for all required analytes. As recovery limits have not been established for the CRDL standard, the results, as obtained, are reported on Form 2B. No corrective action is required for high or low recovery situations. Percent recovery calculations are performed on the actual value, even if found to be below the IDL.

6) Times of analysis for instruments that do not provide this information (MAS50B) are estimated on Form 14 (Analytical Run Log).

7) Analyte field size restrictions resulted in Molybdenum being truncated to "Molybdenu" on the reporting forms.

8) The laboratory has procured and used a new LCS material (ERA Lot 219) with the soil samples in this SDG. The new material is physically different than previous solid LCS material and, consequently, yields recoveries for most metals substantially different than

the previously established, statistically-based, control limits. Therefore, default control limits provided by the manufacturer of the material, Environmental Resource Associates, are used. These limits are listed in Form 7 of the case. The default control limits are being used until new statistically-based control limits can be established for the new solid control material. With the exception of aluminum, all metals are yielding recoveries within the default range. Aluminum, yielding an average of 154% from preliminary evaluations of the material (eight separate analyses referred by NIST SRM 2710), is believed to be true and accurate for the NUS Laboratory due to the nature of the new LCS material. Aluminum results are, therefore, reported with this apparent discrepancy until new statistically-based limits can be established.

9) A quality control sample (MS/MSD) was not designated for the samples in this SDG. Therefore, data qualifiers do not appear on the reporting forms. However, the samples were batched with other Kirtland soils from which QC samples, 204-02-0610 (NUS sample P269526) and 208-02-0812 (NUS sample P269254), were prepared. QC data on samples 204-02-0610 and 208-02-0812 in packages ST204 and ST208 are available for use of data qualifiers and evaluation of results on samples in this SDG.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST203
SEMIVOLATILE DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST203
SEMIVOLATILES

1) The samples in this package were analyzed by protocol to meet the requirements of the Air Force IRP/AFCEE as defined in "Handbook to Support the Installation Restoration Program (IRP) Statements of Work," May 1991. These requirements are defined in the Sampling and Analysis Plan (SAP) as modified by any subsequent revisions.

2) The LCS/LCSD pair data were tabulated and reported as if they were MS/MSD. Each LCS/LCSD pair was given the name of the associated blank followed by either the MS (LCS) or MSD (LCSD) suffix. For example, water blank SBLKAK is associated with SBLKAKMS (LCS) and SBLKAKMSD.

3) LCS/LCSD pair data acceptance criteria include the stipulation that the data are acceptable as long as no more than 25% of the data fail recovery on RPD criteria. No LCS/LCSD pairs in this case were unacceptable.

4) Internal standard areas are reported for all sample analyses, but corrective action is required only if internal standard areas for a continuing calibration do not meet criteria as specified in the SW-846 method.

5) No surrogate failures were noted.

6) The %D for the following continuing calibration compounds exceeded the 25% limit established for AFCEE protocol.

Instrument/Date and Time	Compound	%D
GCMSF, 5/2/94, 2225	2-methylnaphthalene	-36.0
GCMSF, 5/5/94, 1002	2-methylnaphthalene	-35.1

The continuing calibrations are valid, since up to 4 compounds may exceed the 25% limit as long as they do not exceed 40%D or have an RF $\leq$0.010.

7) Lot #LA41854 of LCS/LCSD spiking solution obtained from Supelco, Inc. included several target analytes which were prepared in the cocktail at a concentration other than 100 µg/mL. For those compounds whose concentrations were determined to exceed 100 ± 5 µg/mL, their concentrations were corrected and the corrected concentrations used to determine LCS/LCSD and MS/MSD recoveries.

8) Due to software limitations, a generalized Form 6 was used to report initial calibration results.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST203
GASOLINE RANGE ORGANICS DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST203
GASOLINE RANGE ORGANICS (GRO)

1) The sample in this data package was analyzed by protocols that are to meet the requirements of "Handbook to Support the Installation Restoration Program (IRP) Statements of Work", May 191 and any project-specific requirements. The requirements for analysis and reporting are specified in the laboratory quality assurance plan for AFCEE as modified by the Sampling and Analysis Plan.

2) Gasoline range organics analyses (GRO) were conducted by purging 5 mL of water or 5 grams of soil with an inert gas. The purged contaminants were trapped and thermally desorbed onto a 105 meter, 502.2 chromatography column installed in a Varian 3700 gas chromatograph. The gas chromatograph was equipped with a flame ionization detector.

3) A 5-point calibration was performed for GRO using a sample of regular unleaded gasoline. For each level of calibration, the areas observed for the peaks were summed. The sum of the peaks eluting between the retention times of 2-methylpentane and 1,2,4-trimethylbenzene from each calibration level was plotted against the concentration (µg/L or µg/kg). If the correlation coefficient (r) $\geq$0.995 or the determination coefficient (R^2) >0.990, the calibration is linear. Reasonable quadratic curves may be used when the calibration is not linear. Sample concentrations were determined from the plot labelled "GASOLINE" by comparing the total area observed for component peaks eluting between the retention times of 2-methylpentane and 1,2,4-trimethylbenzene to the corresponding concentration (amount) in µg/L or µg/Kg. The surrogate standard α,α,α-trifluorotoluene, elutes within the GRO window. Its area is subtracted from the total area observed.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST203
DIESEL RANGE ORGANICS DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST203
DIESEL RANGE ORGANICS (DRO)

1) Diesel range organics (DRO) analyses were conducted by extracting 1 liter of water or 30 grams of soil with methylene chloride. The extracts were concentrated to 1 mL and analyzed by gas chromatography. A Hewlett-Packard 5890 gas chromatograph fitted with a 30 meter, 0.53 mm ID (megabore) RTX-5 capillary column and equipped with a flame ionization detector was used to complete the analyses.

2) A 5-point calibration was performed for DRO using a 10-component synthetic standard mix. For each level of calibration, the areas observed for the peaks were summed. The sum of the peaks from each calibration level was plotted against the concentration (µg/mL). If the correlation coefficient (r) >0.995 or the determination coefficient (R^2) >0.990, the calibration is linear. Reasonable quadratic curves may be used when the calibration is not linear. Sample concentrations were determined from the plot labelled "DRO" by comparing the total area observed for component peaks eluting between the retention times of decane and octacosane to the corresponding concentration (amount) in µg/mL. This value is then corrected for extract volume, the volume or weight of sample extracted and the dilution factor (if any). The surrogate standard, n-pentacosane, elutes within the DRO window. Its area is subtracted from the total area observed.

3) Sample concentrations were calculated using the following formulas:

For Soils:

$$DRO\ (\mu g\ /Kg) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the weight of the sample extracted in kilograms.
DF = the dilution factor.

For Waters:

$$DRO\ (\mu g\ /L) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the volume of sample extracted in liters.
DF = the dilution factor.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST203
VOLATILE DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST203
VOLATILES

1) The samples in this package were analyzed by protocol to meet the requirements of the Air Force IRP/AFCEE as defined in "Handbook to Support the Installation Restoration Program (IRP) Statements of Work," May 1991. These requirements are defined in the Sampling and Analysis Plan (SAP) as modified by any subsequent revisions.

2) The LCS/LCSD pair data were tabulated and reported as if they were MS/MSD. Each LCS/LCSD pair was given the name of the associated blank followed by either the MS (LCS) or MSD (LCSD) suffix. For example, soil blank VBLKES is associated with VBLKESMS (LCS) and VBLKES (MSD).

3) LCS/LCSD pair data acceptance criteria include the stipulation that the data are acceptable as long as no more than 25% of the data fail recovery on RPD criteria.

4) Internal standard areas are reported for all sample analyses, but corrective action is required only if internal standard areas for a continuing calibration do not meet criteria as specified in the SW-846 method.

5) No surrogate failures were noted.

6) The %D for the following continuing calibration compounds exceeded the 25% limit established for AFCEE protocol.

Instrument/Date and Time	Compound	%D
GCMSE - 4/14/94 - 1255	Styrene	-32.1

The continuing calibration was valid, since up to two compounds could exceed the limit provided the %D was ≤40.0% and the RRF ≥0.010.

7) For samples acquired on GCMSE on 4/14/94, an acetone reference spectrum from the Wiley library was inserted into the package. The data system's acetone reference spectrum exhibited from coeluting with acetone.

8) The date received indicated on the Form 1s is actually the date sampled.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST204
DIESEL RANGE ORGANICS DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST204
DIESEL RANGE ORGANICS (DRO)

1) Diesel range organics (DRO) analyses were conducted by extracting 1 liter of water or 30 grams of soil with methylene chloride. The extracts were concentrated to 1 mL and analyzed by gas chromatography. A Hewlett-Packard 5890 gas chromatograph fitted with a 30 meter, 0.53 mm ID (megabore) RTX-5 capillary column and equipped with a flame ionization detector was used to complete the analyses.

2) A 5-point calibration was performed for DRO using a 10-component synthetic standard mix. For each level of calibration, the areas observed for the peaks were summed. The sum of the peaks from each calibration level was plotted against the concentration (µg/mL). If the correlation coefficient (r) >0.995 or the determination coefficient (R^2) >0.990, the calibration is linear. Reasonable quadratic curves may be used when the calibration is not linear. Sample concentrations were determined from the plot labelled "DRO" by comparing the total area observed for component peaks eluting between the retention times of decane and octacosane to the corresponding concentration (amount) in µg/mL. This value is then corrected for extract volume, the volume or weight of sample extracted and the dilution factor (if any). The surrogate standard, n-pentacosane, elutes within the DRO window. Its area is subtracted from the total area observed.

3) Sample concentrations were calculated using the following formulas:

For Soils:

$$DRO\ (\mu g\ /Kg) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the weight of the sample extracted in kilograms.
DF = the dilution factor.

For Waters:

$$DRO\ (\mu g\ /L) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the volume of sample extracted in liters.
DF = the dilution factor.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST204
SEMIVOLATILE DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST204
SEMIVOLATILES

1) The samples in this package were analyzed by protocol to meet the requirements of the Air Force IRP/AFCEE as defined in "Handbook to Support the Installation Restoration Program (IRP) Statements of Work," May 1991. These requirements are defined in the Sampling and Analysis Plan (SAP) as modified by any subsequent revisions.

2) The LCS/LCSD pair data were tabulated and reported as if they were MS/MSD. Each LCS/LCSD pair was given the name of the associated blank followed by either the MS (LCS) or MSD (LCSD) suffix. For example, water blank SBLKFP is associated with SBLKFPMS (LCS) and SBLKFPMSD.

3) LCS/LCSD pair data acceptance criteria include the stipulation that the data are acceptable as long as no more than 25% of the data fail recovery on RPD criteria. No LCS/LCSD pairs in this case were unacceptable.

4) Internal standard areas are reported for all sample analyses, but corrective action is required only if internal standard areas for a continuing calibration do not meet criteria as specified in the SW-846 method.

5) No surrogate failures were noted.

6) The %D for the following continuing calibration compounds exceeded the 25% limit established for AFCEE protocol.

Instrument/Date and Time	Compound	%D
GCMSF, 5/5/94	2-methylphthalene	-35.1

The continuing calibrations are valid, since up to 4 compounds may exceed the 25% limit as long as they do not exceed 40%D or have an RF $\leq$0.010.

7) Lot #LA41854 of LCS/LCSD spiking solution obtained from Supelco, Inc. included several target analytes which were prepared in the cocktail at a concentration other than 100 µg/mL. For those compounds whose concentrations were determined to exceed 100 $\pm$ 5 µg/mL, their concentrations were corrected and the corrected concentrations used to determine LCS/LCSD and MS/MSD recoveries.

8) Due to software limitations, a generalized Form 6 was used to report initial calibration results.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST204
GASOLINE RANGE ORGANICS DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST204
GASOLINE RANGE ORGANICS (GRO)

1) Gasoline range organics analyses (GRO) were conducted by purging 5 mL of water or 5 grams of soil with an inert gas. The purged contaminants were trapped and thermally desorbed onto a 105 meter, 502.2 chromatography column installed in a Varian 3700 gas chromatograph. The gas chromatograph was equipped with a flame ionization detector.

2) A 5-point calibration was performed for GRO using a sample of regular unleaded gasoline. For each level of calibration, the areas observed for the peaks were summed. The sum of the peaks eluting between the retention times of 2-methylpentane and 1,2,4-trimethylbenzene from each calibration level was plotted against the concentration (µg/mL). If the correlation coefficient (r) ≥ 0.995 or the determination coefficient (R^2) >0.990, the calibration is linear. Reasonable quadratic curves may be used when the calibration is not linear. Sample concentrations were determined from the plot labelled "GASOLINE" by comparing the total area observed for component peaks eluting between the retention times of 2-methylpentane and 1,2,4-trimethylbenzene to the corresponding concentration (amount) in µg/L or µg/Kg. The surrogate standard α,α,α-trifluorotoluene, elutes within the GRO window. Its area is subtracted from the total area observed.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST204
INORGANIC DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST204
INORGANIC

1) The samples in this data package were analyzed by protocols that are to meet the requirements of "Handbook to Support the Installation Restoration Program (IRP) Statements of Work", May 1991 and any project-specific requirements. The requirements for analysis and reporting are specified in the laboratory quality assurance plan for AFCEE as modified by the Sampling and Analysis Plan.

2) CLP reporting forms were used even though CLP protocols are not required for the analyses. Data qualifiers, as specified in the table immediately following the Cover Page, are used on the reporting forms according to CLP requirements; although these requirements may not be specific to AFCEE reporting procedures.

3) The "date received" that appears on Form 1s is actually the date of sample collection.

4) AFCEE protocol requires duplicate laboratory control standards (LCS/LCSD) as a means of obtaining precision and accuracy on each batch. Therefore, the following CLP reporting forms were used to report MS/MSD and LCS/LCSD data.

   - Form 5 (one each) for MS/MSD recovery.
   - Form 6 (one each) for RPD's for MS/MSD and LCS/LCSD.
   - Form 7 (two) for recoveries for LCS/LCSD.

5) A CRDL standard was analyzed for all required analytes. As recovery limits have not been established for the CRDL standard, the results, as obtained, are reported on Form 2B. No corrective action is required for high or low recovery situations. Percent recovery calculations are performed on the actual value, even if found to be below the IDL.

6) Times of analysis for instruments that do not provide this information (MAS50B) are estimated on Form 14 (Analytical Run Log).

7) Analyte field size restrictions resulted in Molybdenum being truncated to "Molybdenu" on the reporting forms.

8) The laboratory has procured and used a new LCS material (ERA Lot 219) with the soil samples in this SDG. The new material is physically different than previous solid LCS material and, consequently, yields recoveries for most metals substantially different than the previously established, statistically-based, control limits. Therefore, default control limits provided by the manufacturer of the material, Environmental Resource Associates, are used. These limits are listed in Form 7 of the case. The default control limits are being used until new statistically-based control limits can be established for the new solid control material. With the exception of aluminum, all metals are yielding recoveries within the default range. Aluminum, yielding an average of 154% from preliminary evaluations of the material (eight separate analyses referred by NIST SRM 2710), is believed to be true and accurate for the NUS Laboratory due to the nature of the new LCS material. Aluminum results are, therefore, reported with this apparent discrepancy until new statistically-based limits can be established.

9) A quality control sample (MS/MSD) was not designated for the samples in this SDG. However, AFCEE sample EB-204-041294 (NUS sample P269522) was digested and analyzed as the aqueous QC sample for all elements, with the exception of mercury. AFCEE sample 204-02-0610 (NUS sample P269526) was digested and analyzed as the solid QC sample for all elements.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST205
VOLATILE DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST205
VOLATILES

1) The samples in this package were analyzed by protocol to meet the requirements of the Air Force IRP/AFCEE as defined in "Handbook to Support the Installation Restoration Program (IRP) Statements of Work," May 1991. These requirements are defined in the Sampling and Analysis Plan (SAP) as modified by any subsequent revisions.

2) The LCS/LCSD pair data were tabulated and reported as if they were MS/MSD. Each LCS/LCSD pair was given the name of the associated blank followed by either the MS (LCS) or MSD (LCSD) suffix. For example, blank VBLK is associated with SBLK MS (LCS) and VBLK (MSD).

3) LCS/LCSD pair data acceptance criteria include the stipulation that the data are acceptable as long as no more than 25% of the data fail recovery on RPD criteria.

4) Internal standard areas are reported for all sample analyses, but corrective action is required only if internal standard areas for a continuing calibration do not meet criteria as specified in the SW-846 method.

5) No surrogate failures were noted.

6) The %D for the following continuing calibration compounds exceeded the 25% limit established for AFCEE protocol.

Instrument/Date and Time	Compound	%D
GCMSE - 4/14/94	Styrene	-32.1

The continuing calibration is still valid, since up to 2 compounds may exceed the %D criteria provided the %D is ≤40.0% and the RRF ≥0.010.

7) For samples acquired on GCMSE on 4/14/94, an acetone reference spectrum from the Wiley library was inserted into the package. The data system's acetone reference spectrum exhibited from coeluting with acetone.

8) The date received indicated on the Form 1s is actually the date sampled.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST205
SEMIVOLATILE DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST205
SEMIVOLATILES

1) The samples in this package were analyzed by protocol to meet the requirements of the Air Force IRP/AFCEE as defined in "Handbook to Support the Installation Restoration Program (IRP) Statements of Work," May 1991. These requirements are defined in the Sampling and Analysis Plan (SAP) as modified by any subsequent revisions.

2) The LCS/LCSD pair data were tabulated and reported as if they were MS/MSD. Each LCS/LCSD pair was given the name of the associated blank followed by either the MS (LCS) or MSD (LCSD) suffix. For example, soil blank SBLKFQ is associated with SBLKFQMS (LCS) and SBLKFQMSD.

3) LCS/LCSD pair data acceptance criteria include the stipulation that the data are acceptable as long as no more than 25% of the data fail recovery on RPD criteria. No LCS/LCSD pairs in this case were unacceptable.

4) Internal standard areas are reported for all sample analyses, but corrective action is required only if internal standard areas for a continuing calibration do not meet criteria as specified in the SW-846 method.

5) No surrogate failures were noted.

6) The %D for the following continuing calibration compounds exceeded the 20.5% limit established for AFCEE protocol.

Instrument/Date and Time	Compound	%D
GCMSF - 5/11/94 - 0854	2-fluorophenol	23.6

The initial calibration is valid, since up to 4 compounds may exceed the 20.5% limit as long as they do not exceed 40%D or have an RF $\leq$0.010.

7) Lot #LA41854 of LCS/LCSD spiking solution obtained from Supelco, Inc. included several target analytes which were prepared in the cocktail at a concentration other than 100 µg/mL. For those compounds whose concentrations were determined to exceed 100 $\pm$ 5 µg/mL, their concentrations were corrected and the corrected concentrations used to determine LCS/LCSD and MS/MSD recoveries.

CASE COMMENTS
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST205
SEMIVOLATILES

7) Due to software limitations, a generalized Form 6 was used to report initial calibration results.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST205
INORGANIC DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST205
INORGANIC

1) The samples in this data package were analyzed by protocols that are to meet the requirements of "Handbook to Support the Installation Restoration Program (IRP) Statements of Work", May 1991 and any project-specific requirements. The requirements for analysis and reporting are specified in the laboratory quality assurance plan for AFCEE as modified by the Sampling and Analysis Plan.

2) CLP reporting forms were used even though CLP protocols are not required for the analyses. Data qualifiers, as specified in the table immediately following the Cover Page, are used on the reporting forms according to CLP requirements; although these requirements may not be specific to AFCEE reporting procedures.

3) The "date received" that appears on Form 1s is actually the date of sample collection.

4) AFCEE protocol requires duplicate laboratory control standards (LCS/LCSD) as a means of obtaining precision and accuracy on each batch. Therefore, the following CLP reporting forms were used to report LCS/LCSD data.

   - Form 6 (one each) for RPD's for LCS/LCSD.
   - Form 7 (two) for recoveries for LCS/LCSD.

5) A CRDL standard was analyzed for all required analytes. As recovery limits have not been established for the CRDL standard, the results, as obtained, are reported on Form 2B. No corrective action is required for high or low recovery situations. Percent recovery calculations are performed on the actual value, even if found to be below the IDL.

6) Times of analysis for instruments that do not provide this information (MAS50B) are estimated on Form 14 (Analytical Run Log).

7) Analyte field size restrictions resulted in Molybdenum being truncated to "Molybdenu" on the reporting forms.

8) The laboratory has procured and used a new LCS material (ERA Lot 219) with the soil samples in this SDG. The new material is physically different than previous solid LCS material and, consequently, yields recoveries for most metals substantially different than

the previously established, statistically-based, control limits. Therefore, default control limits provided by the manufacturer of the material, Environmental Resource Associates, are used. These limits are listed in Form 7 of the case. The default control limits are being used until new statistically-based control limits can be established for the new solid control material. With the exception of aluminum, all metals are yielding recoveries within the default range. Aluminum, yielding an average of 154% from preliminary evaluations of the material (eight separate analyses referred by NIST SRM 2710), is believed to be true and accurate for the NUS Laboratory due to the nature of the new LCS material. Aluminum results are, therefore, reported with this apparent discrepancy until new statistically-based limits can be established.

9) A quality control sample (MS/MSD) was not designated for the samples in this SDG. Therefore, data qualifiers do not appear on the reporting forms. However, the samples were batched with other Kirtland soils from form SDG ST204 from which a QC sample, 204-02-0610 (NUS sample P269526), was prepared. QC data on sample 204-02-0610 in packages ST204 is available for use of data qualifiers and evaluation of results on soils in this SDG.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST205
GASOLINE RANGE ORGANICS DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST205
GASOLINE RANGE ORGANICS (GRO)

1) The sample in this data package was analyzed by protocols that are to meet the requirements of "Handbook to Support the Installation Restoration Program (IRP) Statements of Work", May 191 and any project-specific requirements. The requirements for analysis and reporting are specified in the laboratory quality assurance plan for AFCEE as modified by the Sampling and Analysis Plan.

2) Gasoline range organics analyses (GRO) were conducted by purging 5 mL of water or 5 grams of soil with an inert gas. The purged contaminants were trapped and thermally desorbed onto a 105 meter, 502.2 chromatography column installed in a Varian 3700 gas chromatograph. The gas chromatograph was equipped with a flame ionization detector.

3) A 5-point calibration was performed for GRO using a sample of regular unleaded gasoline. For each level of calibration, the areas observed for the peaks were summed. The sum of the peaks eluting between the retention times of 2-methylpentane and 1,2,4-trimethylbenzene from each calibration level was plotted against the concentration (µg/L or µg/kg). If the correlation coefficient (r) ≥ 0.995 or the determination coefficient (R^2) >0.990, the calibration is linear. Reasonable quadratic curves may be used when the calibration is not linear. Sample concentrations were determined from the plot labelled "GASOLINE" by comparing the total area observed for component peaks eluting between the retention times of 2-methylpentane and 1,2,4-trimethylbenzene to the corresponding concentration (amount) in µg/L or µg/Kg. The surrogate standard α,α,α-trifluorotoluene, elutes within the GRO window. Its area is subtracted from the total area observed.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST205
DIESEL RANGE ORGANICS DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST205
DIESEL RANGE ORGANICS (DRO)

1) Diesel range organics (DRO) analyses were conducted by extracting 1 liter of water or 30 grams of soil with methylene chloride. The extracts were concentrated to 1 mL and analyzed by gas chromatography. A Hewlett-Packard 5890 gas chromatograph fitted with a 30 meter, 0.53 mm ID (megabore) RTX-5 capillary column and equipped with a flame ionization detector was used to complete the analyses.

2) A 5-point calibration was performed for DRO using a 10-component synthetic standard mix. For each level of calibration, the areas observed for the peaks were summed. The sum of the peaks from each calibration level was plotted against the concentration (µg/mL). If the correlation coefficient (r) >0.995 or the determination coefficient (R^2) >0.990, the calibration is linear. Reasonable quadratic curves may be used when the calibration is not linear. Sample concentrations were determined from the plot labelled "DRO" by comparing the total area observed for component peaks eluting between the retention times of decane and octacosane to the corresponding concentration (amount) in µg/mL. This value is then corrected for extract volume, the volume or weight of sample extracted and the dilution factor (if any). The surrogate standard, n-pentacosane, elutes within the DRO window. Its area is subtracted from the total area observed.

3) Sample concentrations were calculated using the following formulas:

For Soils:

$$DRO\ (\mu g\ /Kg) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the weight of the sample extracted in kilograms.
DF = the dilution factor.

For Waters:

$$DRO\ (\mu g\ /L) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the volume of sample extracted in liters.
DF = the dilution factor.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST207
SEMIVOLATILE DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST207
SEMIVOLATILES

1) The samples in this package were analyzed by protocol to meet the requirements of the Air Force IRP/AFCEE as defined in "Handbook to Support the Installation Restoration Program (IRP) Statements of Work," May 1991. These requirements are defined in the Sampling and Analysis Plan (SAP) as modified by any subsequent revisions.

2) The LCS/LCSD pair data were tabulated and reported as if they were MS/MSD. Each LCS/LCSD pair was given the name of the associated blank followed by either the MS (LCS) or MSD (LCSD) suffix. For example, water blank SBLKFN is associated with SBLKFNMS (LCS) and SBLKFNMSD.

3) LCS/LCSD pair data acceptance criteria include the stipulation that the data are acceptable as long as no more than 25% of the data fail recovery on RPD criteria. No LCS/LCSD pairs in this case were unacceptable.

4) Internal standard areas are reported for all sample analyses, but corrective action is required only if internal standard areas for a continuing calibration do not meet criteria as specified in the SW-846 method.

5) No surrogate failures were noted.

6) The %D for the following continuing calibration compounds exceeded the 25% limit established for AFCEE protocol.

Instrument/Date and Time	Compound	%D
GCMSF, 5/2/94, 2225	2-methylnaphthalene	-36.0

The continuing calibration is valid, since up to 4 compounds may exceed the 25% limit as long as they do not exceed 40%D or have an RF $\leq$0.010.

7) Lot #LA41854 of LCS/LCSD spiking solution obtained from Supelco, Inc. included several target analytes which were prepared in the cocktail at a concentration other than 100 µg/mL. For those compounds whose concentrations were determined to exceed 100 $\pm$ 5 µg/mL, their concentrations were corrected and the corrected concentrations used to determine LCS/LCSD and MS/MSD recoveries.

8) Due to software limitations, a generalized Form 6 was used to report initial calibration results.

9) Some of the reference spectra may contain ions from coeluting compounds such as other target compounds, interfering unknown compounds, or surrogate compounds.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST207
DIESEL RANGE ORGANICS DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST207
DIESEL RANGE ORGANICS (DRO)

1) Diesel range organics (DRO) analyses were conducted by extracting 1 liter of water or 30 grams of soil with methylene chloride. The extracts were concentrated to 1 mL and analyzed by gas chromatography. A Hewlett-Packard 5890 gas chromatograph fitted with a 30 meter, 0.53 mm ID (megabore) RTX-5 capillary column and equipped with a flame ionization detector was used to complete the analyses.

2) A 5-point calibration was performed for DRO using a 10-component synthetic standard mix. For each level of calibration, the areas observed for the peaks were summed. The sum of the peaks from each calibration level was plotted against the concentration (µg/mL). If the correlation coefficient (r) >0.995 or the determination coefficient (R^2) >0.990, the calibration is linear. Reasonable quadratic curves may be used when the calibration is not linear. Sample concentrations were determined from the plot labelled "DRO" by comparing the total area observed for component peaks eluting between the retention times of decane and octacosane to the corresponding concentration (amount) in µg/mL. This value is then corrected for extract volume, the volume or weight of sample extracted and the dilution factor (if any). The surrogate standard, n-pentacosane, elutes within the DRO window. Its area is subtracted from the total area observed.

3) Sample concentrations were calculated using the following formulas:

For Soils:

$$DRO\ (\mu g\ /Kg) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the weight of the sample extracted in kilograms.
DF = the dilution factor.

For Waters:

$$DRO\ (\mu g\ /L) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the volume of sample extracted in liters.
DF = the dilution factor.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST207
GASOLINE RANGE ORGANICS DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST207
GASOLINE RANGE ORGANICS (GRO)

1) Gasoline range organics analyses (GRO) were conducted by purging 5 mL of water or 5 grams of soil with an inert gas. The purged contaminants were trapped and thermally desorbed onto a 105 meter, 502.2 chromatography column installed in a Varian 3700 gas chromatograph. The gas chromatograph was equipped with a flame ionization detector.

2) A 5-point calibration was performed for GRO using a sample of regular unleaded gasoline. For each level of calibration, the areas observed for the peaks were summed. The sum of the peaks eluting between the retention times of 2-methylpentane and 1,2,4-trimethylbenzene from each calibration level was plotted against the concentration (µg/mL). If the correlation coefficient (r) ≥ 0.995 or the determination coefficient (R^2) >0.990, the calibration is linear. Reasonable quadratic curves may be used when the calibration is not linear. Sample concentrations were determined from the plot labelled "GASOLINE" by comparing the total area observed for component peaks eluting between the retention times of 2-methylpentane and 1,2,4-trimethylbenzene to the corresponding concentration (amount) in µg/L or µg/Kg. The surrogate standard α,α,α-trifluorotoluene, elutes within the GRO window. Its area is subtracted from the total area observed.

3) The water samples included in this package are blanks. By agreement with the data validators, blank water could be analyzed by the soil protocol with only one set of LCS/LCSD pairs analyzed and one method blank analyzed.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST207
INORGANIC DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST207
INORGANIC

1) The samples in this data package were analyzed by protocols that are to meet the requirements of "Handbook to Support the Installation Restoration Program (IRP) Statements of Work", May 1991 and any project-specific requirements. The requirements for analysis and reporting are specified in the laboratory quality assurance plan for AFCEE as modified by the Sampling and Analysis Plan.

2) CLP reporting forms were used even though CLP protocols are not required for the analyses. Data qualifiers, as specified in the table immediately following the Cover Page, are used on the reporting forms according to CLP requirements; although these requirements may not be specific to AFCEE reporting procedures.

3) The "date received" that appears on Form 1s is actually the date of sample collection.

4) AFCEE protocol requires duplicate laboratory control standards (LCS/LCSD) as a means of obtaining precision and accuracy on each batch. In addition, MS/MSD are required instead of duplicate/matrix spikes. Therefore, the following CLP reporting forms were used to report LCS/LCSD and MS/MSD data.

   - Two separate Form 5-As for recoveries for matrix spike and matrix spike duplicate.
   - Form 6 (one each) for RPD's for MS/MSD and LCS/LCSD.
   - Form 7 (two) for recoveries for LCS/LCSD.

5) A CRDL standard was analyzed for all required analytes. As recovery limits have not been established for the CRDL standard, the results, as obtained, are reported on Form 2B. No corrective action is required for high or low recovery situations. Percent recovery calculations are performed on the actual value, even if found to be below the IDL.

6) Times of analysis for instruments that do not provide this information (MAS50B) are estimated on Form 14 (Analytical Run Log).

7) Analyte field size restrictions resulted in Molybdenum being truncated to "Molybdenu" on the reporting forms.

8) The laboratory has procured and used a new LCS material (ERA Lot 219) with the soil samples in this SDG. The new material is physically different than previous solid LCS material and, consequently, yields recoveries for most metals substantially different than the previously established, statistically-based, control limits. Therefore, default control limits provided by the manufacturer of the material, Environmental Resource Associates, are used. These limits are listed in Form 7 of the case. The default control limits are being used until new statistically-based control limits can be established for the new solid control material. With the exception of aluminum, all metals are yielding recoveries within the default range. Aluminum, yielding an average of 154% from preliminary evaluations of the material (eight separate analyses referred by NIST SRM 2710), is believed to be true and accurate for the NUS Laboratory due to the nature of the new LCS material. Aluminum results are, therefore, reported with this apparent discrepancy until new statistically-based limits can be established.

9) A QC sample (MS/MSD) was not designated for the samples in this SDG. Therefore, data qualifiers do not appear on reporting forms. However, AFCEE sample DF-02-040694 (NUS sample P269248) was digested and analyzed as the aqueous QC for all metals, with the exception of mercury. Additionally, the soils in this package were batched with other Kirtland soils from which a QC sample, 231-99-0711 (NUS sample P268573), was prepared. QC data on sample 231-99-0711 is available in package ST231 for use of data qualifiers and evaluation of results on soils in this SDG.

10) While the laboratory control standard (LCS sample P270247) prepared with the aqueous sample, EB-227-033094, in this SDG yielded results for a few elements outside of their respective statistically-based control limits established by the laboratory, the data were accepted. The results for magnesium, molybdenum, and sodium on the LCS (vanadium was later determined to be in control) were accepted because their relative errors are less than the limits on process control variables which affect the outcome of the results. For example, the instrument calibration can be running high at just 105% (as evidenced by recoveries on continuing calibration standards, CCS) causing the LCS to recover at 105% and the calibration itself is still in control. However, the LCS, in this scenario, would have yielded unacceptable recoveries for magnesium and vanadium as their statistically-based upper control limits are 104% and 101%, respectively. Had the same calibration been running at 95% (which is in control for the CCS) then the LCS would have yielded results in control at approximately 95% recovery for these elements. Consequently, the

calibration process control variable can affect the outcome of the LCS results within this control window of 100 ± 10%. This is why the LCS recoveries of 104.9%, 101.7%, and 106.4% for magnesium, molybdenum, and sodium respectively, although out of control statistically, were accepted.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST208
SEMIVOLATILE DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST208
SEMIVOLATILES

1) The samples in this package were analyzed by protocol to meet the requirements of the Air Force IRP/AFCEE as defined in "Handbook to Support the Installation Restoration Program (IRP) Statements of Work," May 1991. These requirements are defined in the Sampling and Analysis Plan (SAP) as modified by any subsequent revisions.

2) The LCS/LCSD pair data were tabulated and reported as if they were MS/MSD. Each LCS/LCSD pair was given the name of the associated blank followed by either the MS (LCS) or MSD (LCSD) suffix. For example, water blank SBLKFN is associated with SBLKFNMS (LCS) and SBLKFNMSD.

3) LCS/LCSD pair data acceptance criteria include the stipulation that the data are acceptable as long as no more than 25% of the data fail recovery on RPD criteria. No LCS/LCSD pairs in this case were unacceptable.

4) Internal standard areas are reported for all sample analyses, but corrective action is required only if internal standard areas for a continuing calibration do not meet criteria as specified in the SW-846 method.

5) No surrogate failures were noted.

6) The %D for the following continuing calibration compounds exceeded the 25% limit established for AFCEE protocol.

Instrument/Date and Time	Compound	%D
GCMSF, 5/2/94, 2225	2-methylnaphthalene	-36.0

The continuing calibration is valid, since up to 4 compounds may exceed the 25% limit as long as they do not exceed 40%D or have an RF $\leq$0.010.

7) Lot #LA41854 of LCS/LCSD spiking solution obtained from Supelco, Inc. included several target analytes which were prepared in the cocktail at a concentration other than 100 µg/mL. For those compounds whose concentrations were determined to exceed 100 $\pm$ 5 µg/mL, their concentrations were corrected and the corrected concentrations used to determine LCS/LCSD and MS/MSD recoveries.

8) Due to software limitations, a generalized Form 6 was used to report initial calibration results.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST208
DIESEL RANGE ORGANICS DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST208
DIESEL RANGE ORGANICS (DRO)

1) Diesel range organics (DRO) analyses were conducted by extracting 1 liter of water or 30 grams of soil with methylene chloride. The extracts were concentrated to 1 mL and analyzed by gas chromatography. A Hewlett-Packard 5890 gas chromatograph fitted with a 30 meter, 0.53 mm ID (megabore) RTX-5 capillary column and equipped with a flame ionization detector was used to complete the analyses.

2) A 5-point calibration was performed for DRO using a 10-component synthetic standard mix. For each level of calibration, the areas observed for the peaks were summed. The sum of the peaks from each calibration level was plotted against the concentration (µg/mL). If the correlation coefficient (r) >0.995 or the determination coefficient (R^2) >0.990, the calibration is linear. Reasonable quadratic curves may be used when the calibration is not linear. Sample concentrations were determined from the plot labelled "DRO" by comparing the total area observed for component peaks eluting between the retention times of decane and octacosane to the corresponding concentration (amount) in µg/mL. This value is then corrected for extract volume, the volume or weight of sample extracted and the dilution factor (if any). The surrogate standard, n-pentacosane, elutes within the DRO window. Its area is subtracted from the total area observed.

3) Sample concentrations were calculated using the following formulas:

For Soils:

$$DRO\ (\mu g\ /Kg) = \frac{A * B * DF,}{C}$$

Where:
A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the weight of the sample extracted in kilograms.
DF = the dilution factor.

For Waters:

$$DRO\ (\mu g\ /L) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the volume of sample extracted in liters.
DF = the dilution factor.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST208
INORGANIC DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST208
INORGANIC

1) The samples in this data package were analyzed by protocols that are to meet the requirements of "Handbook to Support the Installation Restoration Program (IRP) Statements of Work", May 1991 and any project-specific requirements. The requirements for analysis and reporting are specified in the laboratory quality assurance plan for AFCEE as modified by the Sampling and Analysis Plan.

2) CLP reporting forms were used even though CLP protocols are not required for the analyses. Data qualifiers, as specified in the table immediately following the Cover Page, are used on the reporting forms according to CLP requirements; although these requirements may not be specific to AFCEE reporting procedures.

3) The "date received" that appears on Form 1s is actually the date of sample collection.

4) AFCEE protocol requires duplicate laboratory control standards (LCS/LCSD) as a means of obtaining precision and accuracy on each batch. In addition, MS/MSD are required instead of duplicate/matrix spikes. Therefore, the following CLP reporting forms were used to report LCS/LCSD and MS/MSD data.

   - Two separate Form 5-As for recoveries for matrix spike and matrix spike duplicate.
   - Form 6 (one each) for RPD's for MS/MSD and LCS/LCSD.
   - Form 7 (two) for recoveries for LCS/LCSD.

5) A CRDL standard was analyzed for all required analytes. As recovery limits have not been established for the CRDL standard, the results, as obtained, are reported on Form 2B. No corrective action is required for high or low recovery situations. Percent recovery calculations are performed on the actual value, even if found to be below the IDL.

6) Times of analysis for instruments that do not provide this information (MAS50B) are estimated on Form 14 (Analytical Run Log).

7) Analyte field size restrictions resulted in Molybdenum being truncated to "Molybdenu" on the reporting forms.

8) The laboratory has procured and used a new LCS material (ERA Lot 219) with the soil samples in this SDG. The new material is physically different than previous solid LCS material and, consequently, yields recoveries for most metals substantially different than the previously established, statistically-based, control limits. Therefore, default control limits provided by the manufacturer of the material, Environmental Resource Associates, are used. These limits are listed in Form 7 of the case. The default control limits are being used until new statistically-based control limits can be established for the new solid control material. With the exception of aluminum, all metals are yielding recoveries within the default range. Aluminum, yielding an average of 154% from preliminary evaluations of the material (eight separate analyses referred by NIST SRM 2710), is believed to be true and accurate for the NUS Laboratory due to the nature of the new LCS material. Aluminum results are, therefore, reported with this apparent discrepancy until new statistically-based limits can be established.

9) A QC sample (MS/MSD) was not designated for the samples in this SDG. However, AFCEE sample 208-02-0812 (NUS sample P269254) was digested and analyzed as the solid QC for all metals. The original sample preparation (batch 25265) of the QC sample (original, MS and MSD) yielded poor spike recoveries and a high RPD for barium. The quality control sample (original, MS, and MSD) alone was resubmitted for repreparation (batch 25673) and analysis because it was suspected that the cause of the widely variant spike recoveries were due to the heterogeneity of metals in the soils. Poor spike recoveries had been observed on several previous AFCEE QC samples and the present sample was resubmitted to determine if the cause was due to the heterogeneity of the soil samples. The reanalysis results yielded several elements still with widely variant spike recoveries as evident by the large number of analytes (Sb, Ba, Cu, K, and Se) with the N (poor spike recovery) qualifier. Additionally, there were several major elements (Al, Ca, Fe) that on reanalysis continued to yield widely variant spike recoveries, although these are not N qualified for other reasons. Consequently, the heterogeneity of the soils appears to be the predominant cause of the widely variant spike recoveries as opposed to sample matrix effects or laboratory process effects and the reanalysis results are reported.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST208
GASOLINE RANGE ORGANICS DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST208
GASOLINE RANGE ORGANICS (GRO)

1) Gasoline range organics analyses (GRO) were conducted by purging 5 mL of water or 5 grams of soil with an inert gas. The purged contaminants were trapped and thermally desorbed onto a 105 meter, 502.2 chromatography column installed in a Varian 3700 gas chromatograph. The gas chromatograph was equipped with a flame ionization detector.

2) A 5-point calibration was performed for GRO using a sample of regular unleaded gasoline. For each level of calibration, the areas observed for the peaks were summed. The sum of the peaks eluting between the retention times of 2-methylpentane and 1,2,4-trimethylbenzene from each calibration level was plotted against the concentration (µg/mL). If the correlation coefficient (r) ≥ 0.995 or the determination coefficient (R^2) >0.990, the calibration is linear. Reasonable quadratic curves may be used when the calibration is not linear. Sample concentrations were determined from the plot labelled "GASOLINE" by comparing the total area observed for component peaks eluting between the retention times of 2-methylpentane and 1,2,4-trimethylbenzene to the corresponding concentration (amount) in µg/L or µg/Kg. The surrogate standard α,α,α-trifluorotoluene, elutes within the GRO window. Its area is subtracted from the total area observed.

3) The following analyses exhibited surrogate retention times which exceeded the retention time shift limit of 15%.

Sample #	Sample ID	Date/Time of Analysis	% D
P269253	208991317	4/14/94, 0402	1.7
P269254	208020812	4/14/94, 0440	1.8
P269254MS	208020812MS	4/14/94, 0518	1.8

The retention time shift had no adverse effect on the data, since the two samples had no reportable GRO present. The matrix spike recovery was also satisfactory.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST209
GASOLINE RANGE ORGANICS DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST209
GASOLINE RANGE ORGANICS (GRO)

1) Gasoline range organics analyses (GRO) were conducted by purging 5 mL of water or 5 grams of soil with an inert gas. The purged contaminants were trapped and thermally desorbed onto a 105 meter, 502.2 chromatography column installed in a Varian 3700 gas chromatograph. The gas chromatograph was equipped with a flame ionization detector.

2) A 5-point calibration was performed for GRO using a sample of regular unleaded gasoline. For each level of calibration, the areas observed for the peaks were summed. The sum of the peaks eluting between the retention times of 2-methylpentane and 1,2,4-trimethylbenzene from each calibration level was plotted against the concentration (µg/mL). If the correlation coefficient (r) ≥ 0.995 or the determination coefficient (R^2) >0.990, the calibration is linear. Reasonable quadratic curves may be used when the calibration is not linear. Sample concentrations were determined from the plot labelled "GASOLINE" by comparing the total area observed for component peaks eluting between the retention times of 2-methylpentane and 1,2,4-trimethylbenzene to the corresponding concentration (amount) in µg/L or µg/Kg. The surrogate standard α,α,α-trifluorotoluene, elutes within the GRO window. Its area is subtracted from the total area observed.

3) The LCSD analyzed on the SRI-8610GC on 5/5/94 at 14:12 recovered at 166%. The high recovery was due to carryover from the analysis of the GRO LCS. The only sample associated with this LCS/LCSD pair was an equipment blank (EB9042294 or P270802). The data were accepted because holding times were about to expire.

4) % Moistures for soil blanks and LCSs are not indicated on the Form 1s because none were determined.

5) The date received indicated on the Form I is actually the date sampled.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST209
DIESEL RANGE ORGANICS DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST209
DIESEL RANGE ORGANICS (DRO)

1) Diesel range organics (DRO) analyses were conducted by extracting 1 liter of water or 30 grams of soil with methylene chloride. The extracts were concentrated to 1 mL and analyzed by gas chromatography. A Hewlett-Packard 5890 gas chromatograph fitted with a 30 meter, 0.53 mm ID (megabore) RTX-5 capillary column and equipped with a flame ionization detector was used to complete the analyses.

2) A 5-point calibration was performed for DRO using a 10-component synthetic standard mix. For each level of calibration, the areas observed for the peaks were summed. The sum of the peaks from each calibration level was plotted against the concentration (µg/mL). If the correlation coefficient (r) >0.995 or the determination coefficient (R^2) >0.990, the calibration is linear. Reasonable quadratic curves may be used when the calibration is not linear. Sample concentrations were determined from the plot labelled "DRO" by comparing the total area observed for component peaks eluting between the retention times of decane and octacosane to the corresponding concentration (amount) in µg/mL. This value is then corrected for extract volume, the volume or weight of sample extracted and the dilution factor (if any). The surrogate standard, n-pentacosane, elutes within the DRO window. Its area is subtracted from the total area observed.

3) Sample concentrations were calculated using the following formulas:

For Soils:

$$DRO\ (\mu g\ /Kg) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the weight of the sample extracted in kilograms.
DF = the dilution factor.

For Waters:

$$DRO\ (\mu g\ /L) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the volume of sample extracted in liters.
DF = the dilution factor.

4) No % moisture values appear on the Form Is for soil LCS/LCSDs, blanks, or MS/MSDs. The % moisture of these quality control samples were not determined.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST209
INORGANIC DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST209
INORGANIC

1) The samples in this data package were analyzed by protocols that are to meet the requirements of "Handbook to Support the Installation Restoration Program (IRP) Statements of Work", May 1991 and any project-specific requirements. The requirements for analysis and reporting are specified in the laboratory quality assurance plan for AFCEE as modified by the Sampling and Analysis Plan.

2) CLP reporting forms were used even though CLP protocols are not required for the analyses. Data qualifiers, as specified in the table immediately following the Cover Page, are used on the reporting forms according to CLP requirements; although these requirements may not be specific to AFCEE reporting procedures.

3) The "date received" that appears on Form 1s is actually the date of sample collection.

4) AFCEE protocol requires duplicate laboratory control standards (LCS/LCSD) as a means of obtaining precision and accuracy on each batch. In addition, MS/MSD are required instead of duplicate/matrix spikes. Therefore, the following CLP reporting forms were used to report LCS/LCSD and MS/MSD data.

   - Two separate Form 5-As for recoveries for matrix spike and matrix spike duplicate.
   - Form 6 (one each) for RPD's for MS/MSD and LCS/LCSD.
   - Form 7 (two) for recoveries for LCS/LCSD.

5) A CRDL standard was analyzed for all required analytes. As recovery limits have not been established for the CRDL standard, the results, as obtained, are reported on Form 2B. No corrective action is required for high or low recovery situations. Percent recovery calculations are performed on the actual value, even if found to be below the IDL.

6) Times of analysis for instruments that do not provide this information (MAS50B) are estimated on Form 14 (Analytical Run Log).

7) Analyte field size restrictions resulted in Molybdenum being truncated to "Molybdenu" on the reporting forms.

8) The laboratory has procured and used a new LCS material (ERA Lot 219) with the soil samples in this SDG. The new material is physically different than previous solid LCS material and, consequently, yields recoveries for most metals substantially different than the previously established, statistically-based, control limits. Therefore, default control limits provided by the manufacturer of the material, Environmental Resource Associates, are used. These limits are listed in Form 7 of the case. The default control limits are being used until new statistically-based control limits can be established for the new solid control material. With the exception of aluminum, all metals are yielding recoveries within the default range. Aluminum, yielding an average of 154% from preliminary evaluations of the material (eight separate analyses referred by NIST SRM 2710), is believed to be true and accurate for the NUS Laboratory due to the nature of the new LCS material. Aluminum results are, therefore, reported with this apparent discrepancy until new statistically-based limits can be established.

9) A QC sample (MS/MSD) was not designated for the samples in this SDG. However, AFCEE sample 209-01-0709 (NUS sample P270803) was digested and analyzed as the solid QC for all metals. In addition, sample EB-219-041994 (NUS sample P270014) in SDG ST219 is available for use of QC data qualifiers and evaluation of results on the aqueous sample in this package.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST209
SEMIVOLATILES DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST209
SEMIVOLATILES

1) The samples in this package were analyzed by protocols to meet the requirements of the Air Force IRP/AFCEE as defined in "Handbook to Support the Installation Restoration Program (IRP) Statements of Work," May, 1991. These requirements are defined in the Sampling and Analysis Plan (SAP) as modified by any subsequent revisions.

2) The LCS/LCSD pair data were tabulated and reported as if they were MS/MSD. Each LCS/LCSD pair was given the name of the associated blank followed by either the MS (LCS) or MSD (LCSD) suffix. For example, water blank SBLKFZ is associated with SBLKFZMS (LCS) and SBLKFZMSD.

3) LCS/LCSD pair data acceptance criteria include the stipulation that the data are acceptable as long as no more than 25% of the data fail recovery or RPD criteria. No LCS/LCSD pairs in this case were unacceptable.

4) Internal standard areas are reported for all sample analyses, but corrective action is required only if internal standard areas for a continuing calibration do not meet criteria as specified in the SW-846 methods.

5) No surrogate failures were noted.

6) The following compounds did not meet the 20.5% criteria established for initial calibrations for the AFCEE protocol:

Instrument/Date and Time	Compound	% RSD
GCMSF / 5/11/94, 1624	2-Fluorophenol	23.6

7) Lot #LA41854 of LCS/LCSD spiking solution obtained from Supelco, Inc. included several target analytes which were prepared in the cocktail at a concentration other than 100 µg/mL. For those compounds whose concentrations were determined to be different than 100 ± 5 µg/mL, their concentrations were corrected and the corrected concentrations were used to determine LCS/LCSD and MS/MSD recoveries.

8) Percent moistures were not determined for soil blanks and LCS's. The percent moisture field on the form 1s for these samples was left blank.

CASE COMMENTS
AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST210
GASOLINE RANGE ORGANICS

AIR FORCE IRP
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST210
GASOLINE RANGE ORGANICS DATA PACKAGE

1) The sample in this data package was analyzed by protocols that are to meet the requirements of "Handbook to Support the Installation Restoration Program (IRP) Statements of Work", May 1991 and any project-specific requirements. The requirements for analysis and reporting are specified in the laboratory quality assurance plan for AFCEE as modified by the Sampling and Analysis Plan.

2) Gasoline range organics analyses (GRO) were conducted by purging 5 mL of water or 5 grams of soil with inert gas. The purged contaminants were trapped and thermally desorbed onto a 105 meter, 502.2 chromatography column installed in a Varian 3700 gas chromatograph. The gas chromatograph was equipped with a flame ionization detector.

3) A 5-point calibration was performed for GRO using a sample of regular unleaded gasoline. For each level of calibration, the areas observed for the peaks were summed. The sum of the peaks eluting between the retention times of 2-methylpentane and 1,2,4-trimethylbenzene from each calibration level was plotted against the concentration (ug/L or ug/Kg). If the correlation coefficient (r) $\geq$ 0.995 or the determination coefficient (R^2) $\geq$ 0.990, the calibration is linear. Reasonable quadratic curves may be used when the calibration is not linear. Sample concentrations were determined from the plot labelled "GASOLINE" by comparing the total area observed for component peaks eluting between the retention times of 2-methylpentane and 1,2,4-trimethylbenzene to the corresponding concentration (amount) in ug/L or ug/Kg. The surrogate standard, a,a,a-trifluorotoluene, elutes within the GRO window. Its area is subtracted from the total area observed.

4) Due to software limitations the following sample identifications were truncated:

KIRTLAND AFB ID	NUS ID	TRUNCATED ID
EB210032594MSD	P268150MSD	210032594MSD
EB210032594MS	P268150MS	210032594MS
EB210032594	P268150	210032594

5) CLP reporting forms were used, although CLP protocols were not followed for sample analysis.

6) The "date received" that appears on Form 1 is actually the date of sample collection.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST210
DIESEL RANGE ORGANICS DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST210
DIESEL RANGE ORGANICS (DRO)

1) The samples in this data package were analyzed by protocols that are to meet the requirements of "Handbook to Support the Installation Restoration Program (IRP) Statements of Work", May 1991 and any project-specific requirements. The requirements for analysis and reporting are specified in the laboratory quality assurance plan for AFCEE as modified by the Sampling and Analysis Plan.

2) Diesel range organics (DRO) analyses were conducted by extracting one liter of the aqueous sample with methylene chloride. The resulting extracts were concentrated to 1 mL, and analyzed by gas chromatography. A Hewlett-Packard 5890 gas chromatograph fitted with a 30 meter, 0.53 mm ID, RTX-5 (megabore) capillary column, and equipped with a flame ionization detector was used to complete sample analyses.

3) A 5-point calibration was performed for DRO analysis using a ten-component standard mix. For each level of calibration, the areas observed for the peaks were summed. The sum of the peaks for each concentration level was plotted against the concentration (µg/L). Sample concentrations were determined from the plot labelled "DRO" by comparing the total area observed for component peaks eluting between the retention times of decane and octacosane to the corresponding concentration from the calibration curve (in µg/L). The surrogate standard, n-pentacosane, elutes within the DRO window. The area of n-pentacosane is subtracted from the total area observed for calibration standards and samples.

4) CLP reporting forms were used, although CLP protocols were not followed for sample analysis.

5) The "date received" that appears on Form 1 is actually the date of sample collection.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST210
VOLATILE ORGANICS DATA PACKAGE

CASE COMMENTS
AIR FORCE IRP
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST210
VOLATILE ORGANICS

1) The samples in this package were analyzed by protocols to meet the requirements of the Air Force IRP/AFCEE as defined in "Handbook to Support the Installation Restoration Program (IRP) Statements of Work," May 1991. These requirements are defined in the Sampling and Analysis Plan (SAP) as modified by any subsequent revisions.

2) A wide-bore capillary ("megabore") column is used for the volatile analyses. The response factor for the orth-xylene isomer is used for the quantitation of all xylene isomers detected on the capillary column because the meta- and para-isomers of xylene coelute.

3) The "date received" on all Form I's actually represents the "date sampled".

4) The reference spectra for acetone from the continuing calibration standards contain ions from extraneous compounds. For each positive identification of the analyte, a Wiley library reference spectrum was provided. The sample spectra for acetone also often contain ions from extraneous compounds.

5) Some of the submitted mass spectra contained the ions with m/z:40 and 44 which are components of air. These additional ions did not interfere with the identification of the compounds.

6) The laboratory control standard and laboratory control standard duplicate are denoted with the blank name followed by MS or MSD in the raw data. For example, the blank name may be VBLKEK, therefore the LCS would be named VBLKEKMS.

7) Due to interferences with the primary quantitation ion, secondary ion m/z:58 was used to calculate concentrations of acetone present in the samples.

8) The 0.000 for the minimum response factor and the *** for the percent difference on the forms 6 and 7 indicate that no criteria was available for a specific compound.

9) 2-chloroethyl vinyl ether was not detected in the 5-point initial calibration performed on 4/5/94 on GCMSC. This compound also was not detected in the continuing calibration standard analyzed on GCMSC on 4/5/94 at 2211, or in the VBLKCPMS/MSD LCS/LCSD pair analyzed on GCMSC on 4/5/94 at 23:36 and 4/6/94 at 02:09.

10) During the analysis of some blanks and samples 1,1,2-trichloro-1,2,2-trifluoroethane (Freon-113) coeluted with acetone. Also, the analyte toluene coeluted with the surrogate toluene-d_8 and the analyte chlorobenzene coeluted in the standard chlorobenzene-d_5.

Similarly, the analyte benzene coeluted with the surrogate 1,2-dichloroethane-d_4. Ions from each pair of coeluters can be seen in the spectra submitted for the analytes.

11) In several of the samples the target compounds trichloroethane, ethylbenzene, toluene, m/p and o-xylenes coeluted with tentatively identified compounds (TICs) as seen in the spectra.

12) The compound chlorobenzene coeluted with a xylene and the internal standard chlorobenzene-d_5 in the blank VBLKCP analyzed 4/5/94 on the instrument GCMSC.

13) The 5-point initial calibration analyzed on GCMSE on 4/8/94 included the following compounds which did not meet the AFCEE criteria.

Compound	RRF	Minimum RRF	Observed %D	Maximum %D
Bromomethane	0.631	0.100	20.6	20.5
Vinyl Chloride	0.811	0.100	26.4	20.5

However, since the observed RRF value for each compound was well above the minimum required RRF, the calibration was used.

14) The continuing calibration standard analyzed on GCMSC on 4/5/94 at 2211 included the following compounds which did not meet the AFCEE criteria.

Compound	RRF	RRF50	Minimum RRF	Observed %D	Maximum %D
Bromodichloromethane	0.540	0.675	0.200	-25.1	25.0
Trichloroethene	0.308	0.391	0.300	-26.9	25.0

Compound	RRF	RRF50	Minimum RRF	Observed %D	Maximum %D
Chloroethyl vinyl ether	----	----	----	----	----

These continuing calibrations were used since the observed RRF values for each of the compounds was well above the minimum required RRF values.

15) The continuing calibration standard analyzed on GCMSE on 4/8/94 at 1200 included the following compounds which did not meet the AFCEE criteria.

Compound	RRF	RRF50	Minimum RRF	Observed %D	Maximum %D
1,1,1-Trichloroethane	0.632	0.467	0.100	26.0	25.0
cis-1,3-dichloropropene	0.675	0.491	0.200	27.2	25.0
Dibromochloromethane	0.754	0.540	0.100	28.4	25.0
1,1,2-Trichloroethane	0.477	0.346	0.100	27.4	25.0
trans-1,3-dichloropropene	0.618	0.450	0.100	27.3	25.0
Bromoform	0.760	0.562	0.100	26.1	25.0

These continuing calibrations were used, since the observed RRF value for each of the compounds was well above the minimum required RRF values.

16) The following samples were not analyzed due to missed holding times. The decision was made by K. Walter not to analyze these samples since they are field blanks.

Kirtland ID	NUS#
EB-210-032494	P268056
TB-01-032494	P268064

Kirtland ID	NUS #
AB-210-032394	P268065
TB-01-032394	P268068
TB-032594	P268149
EB-210-032594	P268150

17) The following table indicates which samples were analyzed outside of holding times.

Kirtland ID	NUS #	Amount Holding Time Was Exceeded
210-04-1517	P268061	1 day, 5 hours, 10 minutes
210-04-0032	P268063	1 day, 3 hours, 13 minutes
210-03-0709	P268151	13 hours, 48 minutes
210-03-2527	P268154	9 hours, 35 minutes

18) The following samples were submitted in the package without reanalyses or more concentrated analyses.

Kirtland ID	NUS #	Explanation
210-04-1517	P268061	Too dilute
210-04-3032	P268063	Too dilute
210-03-0709	P268151	Not analyzed stronger due to high concentration of TICs

Kirtland ID	NUS #	Explanation
210-99-1216	P268153	Not analyzed or reanalyzed due to high concentration of TICs and the surrogate failure for Toluene-d_8. The secondary ion for BFB passes QC requirements.
210-03-2527	P268154	Not analyzed stronger due to the high concentration of TICs.

19) The sample 210-03-1216 was originally analyzed at 1 gram as a low level soil. O-Xylene was above the linear calibration range of 200 ug/kg. The sample was diluted 100-fold and the sample was too dilute. The sample was not analyzed more concentrated due to the danger of missing holding times further.

20) Entry #4 in the quantitation report of the GCMS raw data should be 1,2-dichloroethene-d_4 (secondary ion).

21) There were no non-compliant LCS/LCSD pairs included in this data package.

22) The bromofluorobenzene recovery observed for 210031216 (analyzed on GCMSC 4/6/94 05:55) (NUS sample number P268152) was 571%. This was significantly above the 69-126% acceptance limits for the surrogate recovery. The sample exhibited the presence of high concentrations of non-target analytes. The high surrogate recovery may have been due to a matrix interference. The sample was analyzed as a diluted medium level soil on 4/8/94 at 19:09. In this analysis, the surrogates were diluted out.

23) No percent moisture determination was performed on the soil blanks and LCS/LCSDs. These samples were prepared in carbon treated deionized water but were reported as soils.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST210
METALS DATA PACKAGE

CASE COMMENTS
AIR FORCE IRP
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST210
METALS

1) The samples in this package were analyzed by protocols to meet the requirements of "Handbook to Support the Installation Restoration Program (IRP) Statements of Work," May 1991 and any project-specific requirements. The requirements for analysis and reporting are specified in the laboratory quality assurance plan for AFCEE as modified by the Sampling and Analysis Plan.

2) CLP reporting forms were used even though CLP protocol are not required for the analyses. Data qualifiers, as specified in the table immediately following the Cover Page, are used on reporting forms according to CLP requirements; although these requirements may not be specific to AFCEE reporting procedures.

3) The "date received" that appears on Forms 1s is actually the date of sample collection.

4) AFCEE protocol requires duplicate laboratory control standards (LCS/LCSD) as a means of obtaining precision and accuracy on each batch. In addition, MS/MSD are required instead of duplicate/matrix spikes. Therefore, the following CLP reporting forms were used to report LCS/LCSD and MS/MSD data.

   - Two separate Form 5-As for recoveries for matrix spike and matrix spike duplicate.
   - Form 6 (one each) for RPDs for MS/MSD and LCS/LCSD.
   - Form 7 (two) for recoveries for LCS/LCSD.

5) A CRDL standard was analyzed for all required analytes. As recovery limits have not been established for the CRDL standard, the results, as obtained, are reported on Form 2B. No corrective action is required for high or low recovery situations. Percent recovery calculations are performed on the actual value, even if found to be below the IDL.

6) Times of analysis for instruments that do not provide this information (MAS50B) are estimated on Form 14 (Analytical Run Log).

7) Analyte field size restrictions resulted in Molybdenum being truncated to "Molybdenu" on the reporting forms.

8) The laboratory has procured and used a new LCS material (ERA Lot 219) with the soil samples in this SDG. The new material is physically different than previous solid LCS material and, consequently, yields recoveries for most metals substantially different than the previously established, statistically-based, control limits. Therefore, default control limits provided by the manufacturer of the material, Environmental Resource Associates, are used. These limits are listed in Form 7 of the case. The default control limits are being used until new statistically-based control limits can be established for the new solid control material. With the exception of aluminum, all metals are yielding recoveries within the default range. Aluminum, yielding an average of 154% from preliminary evaluations of the material (eight separate analyses referred by NIST SRM 2710), is believed to be true and accurate for the NUS Laboratory due to the nature of the new LCS material. Aluminum results are, therefore, reported with this apparent discrepancy until new statistically-based limits can be established.

9) The initial calibration blank associated with ICP analysis performed 04/07/94 yielded an unacceptable value for antimony. All samples associated with this analytical run were reanalyzed on 04/14/94 for antimony.

10) Quality control analyses (MS/MSD) for the samples in this SDG were performed on sample 210-04-3032 (NUS sample number P268063) for all elements, with the exception of mercury. Mercury quality control analyses for the samples in this SDG were performed on sample 210-01-1517 (NUS sample number P268067).

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST210
SEMIVOLATILE ORGANICS DATA PACKAGE

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST210
SEMIVOLATILE ORGANICS DATA PACKAGE

CASE COMMENTS
AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST210
SEMIVOLATILE ORGANICS

1) The samples in this package were analyzed by protocols to meet the requirements of the Air Force IRP/AFCEE as defined in "Handbook to Support the Installation Restoration Program (IRP) Statements of Work," May 1991. These requirements are defined in the Sampling and Analysis Plan (SAP) as modified by any subsequent revisions.

2) The date received on the Form Is actually represents the date sampled.

3) The LCS/LCSD pair data were tabulated and reported as if they were MS/MSD. Each LCS/LCSD pair was given the name of the associated blank followed by either the MS (LCS) or MSD (LCSD) suffix. For example, water blank SBLK is associated with SBLK MS (LCS) and SBLK MSD (LCSD).

4) LCS/LCSD pair data acceptance criteria include the stipulation that the data are acceptable as long as no more than 25% of the data fail recovery or RPD criteria. No LCS/LCSD pairs in this case were unacceptable.

5) Internal standard areas are reported for all sample analyses, but corrective action is required only if internal standard areas for a continuing calibration do not meet criteria as specified in the SW-846 method.

6) Sample EB-210-032494 (NUS sample number P268056) was inadvertently extracted and analyzed for base neutral compounds only. Base neutral data for this sample and its associated blank, LCS, and LCSD are included in this data package. Although outside hold time, the sample will be re-extracted and reanalyzed in order to obtain information for the acid compounds. The reanalysis data will be submitted under separate cover.

7) The percent difference for the following continuing calibration compounds exceeded the 25% limit established for AFCEE protocol.

Instrument/Date and Time	Compound	%D
GCMSF 4/19/94 16:45	2-Methylnaphthalene Dibenzofuran	-29.3 -29.5
GCMSF 4/20/94 05:45	2-Methylnaphthalene Dibenzofuran Pyrene	-27.4 -29.5 -30.3

CASE COMMENTS
AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST210
SEMIVOLATILE ORGANICS

1) The samples in this package were analyzed by protocols to meet the requirements of the Air Force IRP/AFCEE as defined in "Handbook to Support the Installation Restoration Program (IRP) Statements of Work," May 1991. These requirements are defined in the Sampling and Analysis Plan (SAP) as modified by any subsequent revisions.

2) The date received on the Form Is actually represents the date sampled.

3) The LCS/LCSD pair data were tabulated and reported as if they were MS/MSD. Each LCS/LCSD pair was given the name of the associated blank followed by either the MS (LCS) or MSD (LCSD) suffix. For example, water blank SBLK is associated with SBLK MS (LCS) and SBLK MSD (LCSD).

4) LCS/LCSD pair data acceptance criteria include the stipulation that the data are acceptable as long as no more than 25% of the data fail recovery or RPD criteria. No LCS/LCSD pairs in this case were unacceptable.

5) Internal standard areas are reported for all sample analyses, but corrective action is required only if internal standard areas for a continuing calibration do not meet criteria as specified in the SW-846 method.

6) Sample EB-210-032494 (NUS sample number P268056) was inadvertently extracted and analyzed for base neutral compounds only. Base neutral data for this sample and its associated blank, LCS, and LCSD are included in this data package. Although outside hold time, the sample will be re-extracted and reanalyzed in order to obtain information for the acid compounds. The reanalysis data will be submitted under separate cover.

7) The percent difference for the following continuing calibration compounds exceeded the 25% limit established for AFCEE protocol.

Instrument/Date and Time	Compound	%D
GCMSF 4/19/94 16:45	2-Methylnaphthalene Dibenzofuran	-29.3 -29.5
GCMSF 4/20/94 05:45	2-Methylnaphthalene Dibenzofuran Pyrene	-27.4 -29.5 -30.3

Instrument/Date and Time	Compound	%D
GCMSF 4/22/94 03:33	2-Methylnaphthalene	-30.2
GCMSF 4/23/94 19:04	2-Methylnaphthalene Dibenzofuran	-27.1 -32.9

8) Lot #LA41854 of LCS/LCSD spiking solution obtained from Supelco, Inc. included several target analytes which were prepared in the cocktail at a concentration other than 100 ug/mL. For those compounds whose concentrations were determined to exceed 100 ± 5 ug/mL, their concentrations were corrected, and the corrected concentrations were used to determine LCS/LCSD and MS/MSD recoveries.

9) Due to software limitations, a generalized Form 6 was used to report initial calibration results.

10) No spiking cocktail was added to SBLKFBMS and MSD extracted on 3/29/94. The LCS/LCSD was re-extracted on 4/22/04, but no blank was extracted. The original blank, SBLKFB, was renamed SBLKFBRE in order to associate it with the re-extracted LCS/LCSD pair. The re-extracted LCS/LCSD pair was renamed SBLKFBMSRE and SBLKFBMSDRE and added to the 3/29/94 Form 4 (SBLKFB)

11) P268063 (210043032) was reanalyzed at dilution due to the presence of naphthalene at a concentration of 10,000 ug/kg. This concentration exceeds the linear calibration range. The diluted analysis and its raw data will be submitted under separate cover.

AIR FORCE IRP
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST210
GASOLINE RANGE ORGANICS DATA PACKAGE

1) The sample in this data package was analyzed by protocols that are to meet the requirements of "Handbook to Support the Installation Restoration Program (IRP) Statements of Work", May 1991 and any project-specific requirements. The requirements for analysis and reporting are specified in the laboratory quality assurance plan for AFCEE as modified by the Sampling and Analysis Plan.

2) Gasoline range organics analyses (GRO) were conducted by purging 5 mL of water or 5 grams of soil with inert gas. The purged contaminants were trapped and thermally desorbed onto a 105 meter, 502.2 chromatography column installed in a Varian 3700 gas chromatograph. The gas chromatograph was equipped with a flame ionization detector.

3) A 5-point calibration was performed for GRO using a sample of regular unleaded gasoline. For each level of calibration, the areas observed for the peaks were summed. The sum of the peaks eluting between the retention times of 2-methylpentane and 1,2,4-trimethylbenzene from each calibration level was plotted against the concentration (ug/L or ug/Kg). If the correlation coefficient (r) $\geq$ 0.995 or the determination coefficient (R^2) $\geq$ 0.990, the calibration is linear. Reasonable quadratic curves may be used when the calibration is not linear. Sample concentrations were determined from the plot labelled "GASOLINE" by comparing the total area observed for component peaks eluting between the retention times of 2-methylpentane and 1,2,4-trimethylbenzene to the corresponding concentration (amount) in ug/L or ug/Kg. The surrogate standard, a,a,a-trifluorotoluene, elutes within the GRO window. Its area is subtracted from the total area observed.

4) Due to software limitations the following sample identifications were truncated:

KIRTLAND AFB ID	NUS ID	TRUNCATED ID
EB210032594MSD	P268150MSD	210032594MSD
EB210032594MS	P268150MS	210032594MS
EB210032594	P268150	210032594

5) CLP reporting forms were used, although CLP protocols were not followed for sample analysis.

6) The "date received" that appears on Form 1 is actually the date of sample collection.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST210
DIESEL RANGE ORGANICS DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST210
DIESEL RANGE ORGANICS (DRO)

1) The samples in this data package were analyzed by protocols that are to meet the requirements of "Handbook to Support the Installation Restoration Program (IRP) Statements of Work", May 1991 and any project-specific requirements. The requirements for analysis and reporting are specified in the laboratory quality assurance plan for AFCEE as modified by the Sampling and Analysis Plan.

2) Diesel range organics (DRO) analyses were conducted by extracting one liter of the aqueous sample with methylene chloride. The resulting extracts were concentrated to 1 mL, and analyzed by gas chromatography. A Hewlett-Packard 5890 gas chromatograph fitted with a 30 meter, 0.53 mm ID, RTX-5 (megabore) capillary column, and equipped with a flame ionization detector was used to complete sample analyses.

3) A 5-point calibration was performed for DRO analysis using a ten-component standard mix. For each level of calibration, the areas observed for the peaks were summed. The sum of the peaks for each concentration level was plotted against the concentration (µg/L). Sample concentrations were determined from the plot labelled "DRO" by comparing the total area observed for component peaks eluting between the retention times of decane and octacosane to the corresponding concentration from the calibration curve (in µg/L). The surrogate standard, n-pentacosane, elutes within the DRO window. The area of n-pentacosane is subtracted from the total area observed for calibration standards and samples.

4) CLP reporting forms were used, although CLP protocols were not followed for sample analysis.

5) The "date received" that appears on Form 1 is actually the date of sample collection.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST210
VOLATILE ORGANICS DATA PACKAGE

CASE COMMENTS
AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST210
VOLATILE ORGANICS

1) The samples in this package were analyzed by protocols to meet the requirements of the Air Force IRP/AFCEE as defined in "Handbook to Support the Installation Restoration Program (IRP) Statements of Work," May 1991. These requirements are defined in the Sampling and Analysis Plan (SAP) as modified by any subsequent revisions.

2) A wide-bore capillary ("megabore") column is used for the volatile analyses. The response factor for the orth-xylene isomer is used for the quantitation of all xylene isomers detected on the capillary column because the meta- and para-isomers of xylene coelute.

3) The "date received" on all Form I's actually represents the "date sampled".

4) The reference spectra for acetone from the continuing calibration standards contain ions from extraneous compounds. For each positive identification of the analyte, a Wiley library reference spectrum was provided. The sample spectra for acetone also often contain ions from extraneous compounds.

5) Some of the submitted mass spectra contained the ions with m/z:40 and 44 which are components of air. These additional ions did not interfere with the identification of the compounds.

6) The laboratory control standard and laboratory control standard duplicate are denoted with the blank name followed by MS or MSD in the raw data. For example, the blank name may be VBLKEK, therefore the LCS would be named VBLKEKMS.

7) Due to interferences with the primary quantitation ion, secondary ion m/z:58 was used to calculate concentrations of acetone present in the samples.

8) The 0.000 for the minimum response factor and the *** for the percent difference on the forms 6 and 7 indicate that no criteria was available for a specific compound.

9) 2-chloroethyl vinyl ether was not detected in the 5-point initial calibration performed on 4/5/94 on GCMSC. This compound also was not detected in the continuing calibration standard analyzed on GCMSC on 4/5/94 at 2211, or in the VBLKCPMS/MSD LCS/LCSD pair analyzed on GCMSC on 4/5/94 at 23:36 and 4/6/94 at 02:09.

10) During the analysis of some blanks and samples 1,1,2-trichloro-1,2,2-trifluoroethane (Freon-113) coeluted with acetone. Also, the analyte toluene coeluted with the surrogate toluene-d_8 and the analyte chlorobenzene coeluted in the standard chlorobenzene-d_5.

Similarly, the analyte benzene coeluted with the surrogate 1,2-dichloroethane-d_4. Ions from each pair of coeluters can be seen in the spectra submitted for the analytes.

11) In several of the samples the target compounds trichloroethane, ethylbenzene, toluene, m/p and o-xylenes coeluted with tentatively identified compounds (TICs) as seen in the spectra.

12) The compound chlorobenzene coeluted with a xylene and the internal standard chlorobenzene-d_5 in the blank VBLKCP analyzed 4/5/94 on the instrument GCMSC.

13) The 5-point initial calibration analyzed on GCMSE on 4/8/94 included the following compounds which did not meet the AFCEE criteria.

Compound	RRF	Minimum RRF	Observed %D	Maximum %D
Bromomethane	0.631	0.100	20.6	20.5
Vinyl Chloride	0.811	0.100	26.4	20.5

However, since the observed RRF value for each compound was well above the minimum required RRF, the calibration was used.

14) The continuing calibration standard analyzed on GCMSC on 4/5/94 at 2211 included the following compounds which did not meet the AFCEE criteria.

Compound	RRF	RRF50	Minimum RRF	Observed %D	Maximum %D
Bromodichloromethane	0.540	0.675	0.200	-25.1	25.0
Trichloroethene	0.308	0.391	0.300	-26.9	25.0

Compound	RRF	RRF50	Minimum RRF	Observed %D	Maximum %D
Chloroethyl vinyl ether	----	----	----	----	----

These continuing calibrations were used since the observed RRF values for each of the compounds was well above the minimum required RRF values.

15) The continuing calibration standard analyzed on GCMSE on 4/8/94 at 1200 included the following compounds which did not meet the AFCEE criteria.

Compound	RRF	RRF50	Minimum RRF	Observed %D	Maximum %D
1,1,1-Trichloroethane	0.632	0.467	0.100	26.0	25.0
cis-1,3-dichloropropene	0.675	0.491	0.200	27.2	25.0
Dibromochloromethane	0.754	0.540	0.100	28.4	25.0
1,1,2-Trichloroethane	0.477	0.346	0.100	27.4	25.0
trans-1,3-dichloropropene	0.618	0.450	0.100	27.3	25.0
Bromoform	0.760	0.562	0.100	26.1	25.0

These continuing calibrations were used, since the observed RRF value for each of the compounds was well above the minimum required RRF values.

16) The following samples were not analyzed due to missed holding times. The decision was made by K. Walter not to analyze these samples since they are field blanks.

Kirtland ID	NUS #
EB-210-032494	P268056
TB-01-032494	P268064

Kirtland ID	NUS #
AB-210-032394	P268065
TB-01-032394	P268068
TB-032594	P268149
EB-210-032594	P268150

17) The following table indicates which samples were analyzed outside of holding times.

Kirtland ID	NUS #	Amount Holding Time Was Exceeded
210-04-1517	P268061	1 day, 5 hours, 10 minutes
210-04-0032	P268063	1 day, 3 hours, 13 minutes
210-03-0709	P268151	13 hours, 48 minutes
210-03-2527	P268154	9 hours, 35 minutes

18) The following samples were submitted in the package without reanalyses or more concentrated analyses.

Kirtland ID	NUS #	Explanation
210-04-1517	P268061	Too dilute
210-04-3032	P268063	Too dilute
210-03-0709	P268151	Not analyzed stronger due to high concentration of TICs

Kirtland ID	NUS #	Explanation
210-99-1216	P268153	Not analyzed or reanalyzed due to high concentration of TICs and the surrogate failure for Toluene-d_8. The secondary ion for BFB passes QC requirements.
210-03-2527	P268154	Not analyzed stronger due to the high concentration of TICs.

19) The sample 210-03-1216 was originally analyzed at 1 gram as a low level soil. O-Xylene was above the linear calibration range of 200 ug/kg. The sample was diluted 100-fold and the sample was too dilute. The sample was not analyzed more concentrated due to the danger of missing holding times further.

20) Entry #4 in the quantitation report of the GCMS raw data should be 1,2-dichloroethene-d_4 (secondary ion).

21) There were no non-compliant LCS/LCSD pairs included in this data package.

22) The bromofluorobenzene recovery observed for 210031216 (analyzed on GCMSC 4/6/94 05:55) (NUS sample number P268152) was 571%. This was significantly above the 69-126% acceptance limits for the surrogate recovery. The sample exhibited the presence of high concentrations of non-target analytes. The high surrogate recovery may have been due to a matrix interference. The sample was analyzed as a diluted medium level soil on 4/8/94 at 19:09. In this analysis, the surrogates were diluted out.

23) No percent moisture determination was performed on the soil blanks and LCS/LCSDs. These samples were prepared in carbon treated deionized water but were reported as soils.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST210
METALS DATA PACKAGE

CASE COMMENTS
AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST210
METALS

1) The samples in this package were analyzed by protocols to meet the requirements of "Handbook to Support the Installation Restoration Program (IRP) Statements of Work," May 1991 and any project-specific requirements. The requirements for analysis and reporting are specified in the laboratory quality assurance plan for AFCEE as modified by the Sampling and Analysis Plan.

2) CLP reporting forms were used even though CLP protocol are not required for the analyses. Data qualifiers, as specified in the table immediately following the Cover Page, are used on reporting forms according to CLP requirements; although these requirements may not be specific to AFCEE reporting procedures.

3) The "date received" that appears on Forms 1s is actually the date of sample collection.

4) AFCEE protocol requires duplicate laboratory control standards (LCS/LCSD) as a means of obtaining precision and accuracy on each batch. In addition, MS/MSD are required instead of duplicate/matrix spikes. Therefore, the following CLP reporting forms were used to report LCS/LCSD and MS/MSD data.

   - Two separate Form 5-As for recoveries for matrix spike and matrix spike duplicate.
   - Form 6 (one each) for RPDs for MS/MSD and LCS/LCSD.
   - Form 7 (two) for recoveries for LCS/LCSD.

5) A CRDL standard was analyzed for all required analytes. As recovery limits have not been established for the CRDL standard, the results, as obtained, are reported on Form 2B. No corrective action is required for high or low recovery situations. Percent recovery calculations are performed on the actual value, even if found to be below the IDL.

6) Times of analysis for instruments that do not provide this information (MAS50B) are estimated on Form 14 (Analytical Run Log).

7) Analyte field size restrictions resulted in Molybdenum being truncated to "Molybdenu" on the reporting forms.

8) The laboratory has procured and used a new LCS material (ERA Lot 219) with the soil samples in this SDG. The new material is physically different than previous solid LCS material and, consequently, yields recoveries for most metals substantially different than the previously established, statistically-based, control limits. Therefore, default control limits provided by the manufacturer of the material, Environmental Resource Associates, are used. These limits are listed in Form 7 of the case. The default control limits are being used until new statistically-based control limits can be established for the new solid control material. With the exception of aluminum, all metals are yielding recoveries within the default range. Aluminum, yielding an average of 154% from preliminary evaluations of the material (eight separate analyses referred by NIST SRM 2710), is believed to be true and accurate for the NUS Laboratory due to the nature of the new LCS material. Aluminum results are, therefore, reported with this apparent discrepancy until new statistically-based limits can be established.

9) The initial calibration blank associated with ICP analysis performed 04/07/94 yielded an unacceptable value for antimony. All samples associated with this analytical run were reanalyzed on 04/14/94 for antimony.

10) Quality control analyses (MS/MSD) for the samples in this SDG were performed on sample 210-04-3032 (NUS sample number P268063) for all elements, with the exception of mercury. Mercury quality control analyses for the samples in this SDG were performed on sample 210-01-1517 (NUS sample number P268067).

Instrument/Date and Time	Compound	%D
GCMSF 4/22/94 03:33	2-Methylnaphthalene	-30.2
GCMSF 4/23/94 19:04	2-Methylnaphthalene Dibenzofuran	-27.1 -32.9

8) Lot #LA41854 of LCS/LCSD spiking solution obtained from Supelco, Inc. included several target analytes which were prepared in the cocktail at a concentration other than 100 ug/mL. For those compounds whose concentrations were determined to exceed 100 ± 5 ug/mL, their concentrations were corrected, and the corrected concentrations were used to determine LCS/LCSD and MS/MSD recoveries.

9) Due to software limitations, a generalized Form 6 was used to report initial calibration results.

10) No spiking cocktail was added to SBLKFBMS and MSD extracted on 3/29/94. The LCS/LCSD was re-extracted on 4/22/04, but no blank was extracted. The original blank, SBLKFB, was renamed SBLKFBRE in order to associate it with the re-extracted LCS/LCSD pair. The re-extracted LCS/LCSD pair was renamed SBLKFBMSRE and SBLKFBMSDRE and added to the 3/29/94 Form 4 (SBLKFB)

11) P268063 (210043032) was reanalyzed at dilution due to the presence of naphthalene at a concentration of 10,000 ug/kg. This concentration exceeds the linear calibration range. The diluted analysis and its raw data will be submitted under separate cover.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST211
DIESEL RANGE ORGANICS DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST211
DIESEL RANGE ORGANICS

1) Diesel range organics (DRO) analyses were conducted by extracting 1 liter of water or 30 grams of soil with methylene chloride. The extracts were concentrated to 1 mL and analyzed by gas chromatography. A Hewlett-Packard 5890 gas chromatograph fitted with a 30 meter, 0.53 mm ID (megabore) RTX-5 capillary column and equipped with a flame ionization detector was used to complete the analyses.

2) A 5-point calibration was performed for DRO using a 10-component synthetic standard mix. For each level of calibration, the areas observed for the peaks were summed. The sum of the peaks from each calibration level was plotted against the concentration (µg/mL). If the correlation coefficient (r) >0.995 or the determination coefficient (R^2) >0.990, the calibration is linear. Reasonable quadratic curves may be used when the calibration is not linear. Sample concentrations were determined from the plot labelled "DRO" by comparing the total area observed for component peaks eluting between the retention times of decane and octacosane to the corresponding concentration (amount) in µg/mL. This value is then corrected for extract volume, the volume or weight of sample extracted and the dilution factor (if any). The surrogate standard, n-pentacosane, elutes within the DRO window. Its area is subtracted from the total area observed.

3) Sample concentrations were calculated using the following formulas:

For Soils:

$$DRO\ (\mu g\ /Kg) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the weight of the sample extracted in kilograms.
DF = the dilution factor.

For Waters:

$$DRO\ (\mu g\ /L) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the volume of sample extracted in liters.
DF = the dilution factor.

4) The percent moisture for LCS/LCSDs, MS/MSDs, and blanks are not indicated on the Form 1s. Percent moistures were not determined for these quality control samples.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST211
GASOLINE RANGE ORGANICS DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST211
GASOLINE RANGE ORGANICS

1) Gasoline range organics analyses (GRO) were conducted by purging 5 mL of water or 5 grams of soil with an inert gas. The purged contaminants were trapped and thermally desorbed onto a 105 meter, 502.2 chromatography column installed in a Varian 3700 gas chromatograph. The gas chromatograph was equipped with a flame ionization detector.

2) A 5-point calibration was performed for GRO using a sample of regular unleaded gasoline. For each level of calibration, the areas observed for the peaks were summed. The sum of the peaks eluting between the retention times of 2-methylpentane and 1,2,4-trimethylbenzene from each calibration level was plotted against the concentration (µg/mL). If the correlation coefficient (r) ≥0.995 or the determination coefficient (R^2) >0.990, the calibration is linear. Reasonable quadratic curves may be used when the calibration is not linear. Sample concentrations were determined from the plot labelled "GASOLINE" by comparing the total area observed for component peaks eluting between the retention times of 2-methylpentane and 1,2,4-trimethylbenzene to the corresponding concentration (amount) in µg/L or µg/Kg. The surrogate standard α,α,α-trifluorotoluene, elutes within the GRO window. Its area is subtracted from the total area observed.

3) The gasoline range organics (GRO) for the following samples were subcontracted to another analytical laboratory for analysis due to an overcapacity situation which existed at the NUS Laboratory.

NUS Sample No.	Sample ID
P272039	EB-211-050394
P272048	211-05-0712
P272049	211-05-1217

4) For the matrix spike/matrix spike duplicate pair P2171902MS/MSD, the sample descriptions were truncated due to software limitations.

NUS Number	Sample ID	Truncation
P271902	211041216A	2110412A
P271902MS	211041216AMS	2110412AMS
P271902MSD	211041216AMSD	2110412AMSD

5) The LCSD analyzed on the SRI-8610 GC on 5/16/94 at 2117 recovered at 216%. The high recovery was due to carryover from the analysis of the GRO LCS. The only sample associated with this LCS/LCSD pair was an equipment blank (EB211050294 or P271891). The sample data were accepted because holding times were about to expire.

6) The GRO blank analyzed on the SRI-8610 GC on 5/16/94 at 1949 exhibited a GRO concentration of 1300 µg/L. This blank was associated only with an equipment blank (EB211050294 or P271891).

7) % Moistures for soil blanks and LCSs are not indicated on the Form 1s, because none were determined.

8) The date received indicated on the Form I is actually the date sampled.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST211
SEMIVOLATILES DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST211
SEMIVOLATILES

1) The samples in this package were analyzed by protocols to meet the requirements of the Air Force IRP/AFCEE as defined in "Handbook to Support the Installation Restoration Program (IRP) Statements of Work," May, 1991. These requirements are defined in the Sampling and Analysis Plan (SAP) as modified by any subsequent revisions.

2) The LCS/LCSD pair data were tabulated and reported as if they were MS/MSD. Each LCS/LCSD pair was given the name of the associated blank followed by either the MS (LCS) or MSD (LCSD) suffix. For example, water blank SBLKGG is associated with SBLKGGMS (LCS) and SBLKGGMSD.

3) Internal standard areas are reported for all sample analyses, but corrective action is required only if internal standard areas for a continuing calibration do not meet criteria a superfund in the SW-846 method.

4) The following surrogate failures were noted.

Sample #	Sample ID	Date/Time of Analysis	Instrument	Surrogate	% Recovery	Recovery Limits %
P272860MS	SBLKGAMS	5-17-94 / 17:25	GCMSG	Nitrobenzene-d_5 2-Fluorobiphenyl	90 96	54-85 50-86
P272860 MSD	SBLKGAMSD	5-17-94 / 18:16	GCMSG	2-Fluorobiphenyl	87	50-86
P271892	211010711	5-17-94 / 19:07	GCMSG	Nitrobenzene-d_5 2-Fluorobiphenyl	85 90	54-85 50-86
P271893	211011216	5-17-94 / 19:58	GCMSG	Nitrobenzene-d_5 2-Fluorobiphenyl	88 96	54-85 50-86
P271894	211020711	5-17-94 / 20:48	GCMSG	Nitrobenzene-d_5 2-Fluorobiphenyl	93 100	54-85 50-86
P271895	211021216	5-17-94 / 21:39	GCMSG	Nitrobenzene-d_5 2-Fluorobiphenyl	89 94	54-85 50-86
P271896	211030813	5-18-94 / 12:32	GCMSG	Nitrobenzene-d_5 2-Fluorobiphenyl	92 95	54-85 50-86

CASE COMMENTS
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: 211
SEMIVOLATILES
PAGE 2

Sample #	Sample ID	Date/Time of Analysis	Instrument	Surrogate	% Recovery	Recovery Limits %
P271897	211031320	5-18-94 / 13:11	GCMSG	Nitrobenzene-d_5 2-Fluorobiphenyl Terphenyl-d_{14}	96 106 117	54-85 50-86 32-112
P271898	211991320	5-18-94 / 14:01	GCMSG	Nitrobenzene-d_5 2-Fluorobiphenyl	90 97	54-85 50-86
P271899	211040711	5-18-94 / 14:53	GCMSG	Nitrobenzene-d_5 2-Fluorobiphenyl Terphenyl-d_{14}	96 106 119	54-85 50-86 32-112
P271900	211041216	5-18-94 / 15:44	GCMSG	2-Fluorobiphenyl	90	50-86
P271901	211990711	5-18-94 / 16:36	GCMSG	Nitrobenzene-d_5 2-Fluorobiphenyl Terphenyl-d_{14}	92 101 117	54-85 50-86 32-112
P271902	11041216A	5-18-94 / 17:27	GCMSG	Nitrobenzene-d_5 2-Fluorobiphenyl	85 92	54-85 50-86
P271902MS	11041216AMS	5-18-94 / 19:08	GCMSG	Nitrobenzene-d_5 2-Fluorobiphenyl	92 98	54-85 50-86
P271902 MSD	11041216A MSD	5-25-94 / 16:51	GCMSG	Nitrobenzene-d_5 2-Fluorobiphenyl 2,4,6-Tribromophenol Terphenyl-d_{14}	101 108 120 118	54-85 50-86 21-115 32-112
P272963	SBLKGB	5-19-94 / 17:46	GCMSG	Nitrobenzene-d_5 2-Fluorobiphenyl Terphenyl-d_{14}	96 102 119	54-85 50-86 32-112
P272048	211050712	5-19-94 / 19:24	GCMSG	Nitrobenzene-d_5 2-Fluorobiphenyl	92 100	54-85 50-86
P272049	211051217	5-19-94 / 20:13	GCMSG	Nitrobenzene-d_5 2-Fluorobiphenyl	90 94	54-85 50-86

Sample #	Sample ID	Date/Time of Analysis	Instrument	Surrogate	% Recovery	Recovery Limits %
P272862MS	SBLKGBMS	5-25-94 / 15:58	GCMSG	Phenol-d_5	104	48-97
P272862 MSD	SBLKGDMSD	5-25-94 / 16:51	GCMSG	Phenol-d_5	104	48-97

The high surrogate recoveries were probably due to improvements made in the analytical technique (more frequent column cutting and changing of injection port lines). The observed surrogate recovery failure should have no adverse effect on the data.

5) The following compounds did not meet the 20.5% RSD criteria established for AFCEE protocol.

Instrument/Date and Time	Compound	% RSD
GCMSG / 4-28-94 / 1135	2,4-Dinitrophenol	31.8
GCMSG / 5-23-94 / 1206	Bis(2-chloroethyl)ether Benzo(k)fluoranthene Phenol-d_5	24.5 20.7 21.8

The initial calibrations are valid because up to 4 non-CCCs may exceed the %RSD criteria provided their RSD are ≤40.0%.

6) The continuing calibrations are valid, since up to 4 non-CCCs may exceed the %D criteria provided their %D ≤40.0% and their RRF ≥0.010.

7) Lot #LA41854 of LCS/LCSD spiking solution obtained from Supelco, Inc. included several target analytes which were prepared in the cocktail at a concentration other than 100 µg/mL. For those compounds whose concentrations were determined to be different than 100 ± 5 µg/mL, their concentrations were corrected and the corrected concentrations were used to determine LCS/LCSD and MS/MSD recoveries.

8) Percent moistures were not determined for soil blanks and LCS's. The percent moisture filed on the form 1s for these samples were left blank.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST211
INORGANIC DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST211
INORGANIC

1) The samples in this data package were analyzed by protocols that are to meet the requirements of "Handbook to Support the Installation Restoration Program (IRP) Statements of Work", May 1991 and any project-specific requirements. The requirements for analysis and reporting are specified in the laboratory quality assurance plan for AFCEE as modified by the Sampling and Analysis Plan.

2) CLP reporting forms were used even though CLP protocols are not required for the analyses. Data qualifiers, as specified in the table immediately following the Cover Page, are used on the reporting forms according to CLP requirements; although these requirements may not be specific to AFCEE reporting procedures.

3) The "date received" that appears on Form 1s is actually the date of sample collection.

4) AFCEE protocol requires duplicate laboratory control standards (LCS/LCSD) as a means of obtaining precision and accuracy on each batch. In addition, MS/MSD are required instead of duplicate/matrix spikes. Therefore, the following CLP reporting forms were used to report LCS/LCSD and MS/MSD data.

   - Two separate Form 5-As for recoveries for matrix spike and matrix spike duplicate.
   - Form 6 (one each) for RPDs for MS/MSD and LCS/LCSD.
   - Form 7 (two) for recoveries for LCS/LCSD.

5) A CRDL standard was analyzed for all required analytes. As recovery limits have not been established for the CRDL standard, the results, as obtained, are reported on Form 2B. No corrective action is required for high or low recovery situations. Percent recovery calculations are performed on the actual value, even if found to be below the IDL.

6) Times of analysis for instruments that do not provide this information (MAS50B) are estimated on Form 14 (Analytical Run Log).

7) Analyte field size restrictions resulted in Molybdenum being truncated to "Molybdenu" on the reporting forms.

8) The laboratory has procured and used a new LCS material (ERA Lot 219) with the soil samples in this SDG. The new material is physically different than previous solid LCS material and, consequently, yields recoveries for most metals substantially different than the previously established, statistically-based, control limits. Therefore, default control limits provided by the manufacturer of the material, Environmental Resource Associates, are used. These limits are listed in Form 7 of the case. The default control limits are being used until new statistically-based control limits can be established for the new solid control material. With the exception of aluminum, all metals are yielding recoveries within the default range. Aluminum, yielding an average of 154% from preliminary evaluations of the material (eight separate analyses referred by NIST SRM 2710), is believed to be true and accurate for the NUS Laboratory due to the nature of the new LCS material. Aluminum results are, therefore, reported with this apparent discrepancy until new statistically-based limits can be established.

9) The ninth continuing calibration verification standard (CCV9) associated with ICP analysis performed 05/16/94 yielded recoveries outside control limits for potassium and sodium. However, all samples associated with this SDG were analyzed before the eighth calibration verification standards; therefore all data associated with this SDG were acceptable.

10) A quality control sample (MS/MSD) was not designated for the samples in this SDG. However, the AFCEE sample 211-04-1216A (NUS sample P271902) was digested and analyzed as the soil QC sample for all metals. AFCEE sample EB-211-050394 (NUS sample P272039) was prepared and analyzed as the aqueous QC sample for mercury only. In addition, QC data on AFCEE sample EB-252-050994 (NUS sample P272369) is available in SDG ST252 for use of data qualifiers applicable to the metals results obtained by ICP on the aqueous samples in this package.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST212
INORGANIC DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST212
INORGANIC

1) The samples in this data package were analyzed by protocols that are to meet the requirements of "Handbook to Support the Installation Restoration Program (IRP) Statements of Work", May 1991 and any project-specific requirements. The requirements for analysis and reporting are specified in the laboratory quality assurance plan for AFCEE as modified by the Sampling and Analysis Plan.

2) CLP reporting forms were used even though CLP protocols are not required for the analyses. Data qualifiers, as specified in the table immediately following the Cover Page, are used on the reporting forms according to CLP requirements; although these requirements may not be specific to AFCEE reporting procedures.

3) The "date received" that appears on Form 1s is actually the date of sample collection.

4) AFCEE protocol requires duplicate laboratory control standards (LCS/LCSD) as a means of obtaining precision and accuracy on each batch. Therefore, the following CLP reporting forms were used to report LCS/LCSD data.

   - Form 6 (one each) for RPDs for MS/MSD and LCS/LCSD.
   - Form 7 (two) for recoveries for LCS/LCSD.

5) A CRDL standard was analyzed for all required analytes. As recovery limits have not been established for the CRDL standard, the results, as obtained, are reported on Form 2B. No corrective action is required for high or low recovery situations. Percent recovery calculations are performed on the actual value, even if found to be below the IDL.

6) Times of analysis for instruments that do not provide this information (MAS50B) are estimated on Form 14 (Analytical Run Log).

7) Analyte field size restrictions resulted in Molybdenum being truncated to "Molybdenu" on the reporting forms.

8) The laboratory has procured and used a new LCS material (ERA Lot 219) with the soil samples in this SDG. The new material is physically different than previous solid LCS material and, consequently, yields recoveries for most metals substantially different than

the previously established, statistically-based, control limits. Therefore, default control limits provided by the manufacturer of the material, Environmental Resource Associates, are used. These limits are listed in Form 7 of the case. The default control limits are being used until new statistically-based control limits can be established for the new solid control material. With the exception of aluminum, all metals are yielding recoveries within the default range. Aluminum, yielding an average of 154% from preliminary evaluations of the material (eight separate analyses referred by NIST SRM 2710), is believed to be true and accurate for the NUS Laboratory due to the nature of the new LCS material. Aluminum results are, therefore, reported with this apparent discrepancy until new statistically-based limits can be established.

9) A quality control sample (MS/MSD) was not designated for the soil samples in this SDG, therefore data qualifiers do not appear on the reporting forms. However, the samples were batched with other Kirtland soils from which a QC sample, 201-01-1113 (NUS sample P269529), was prepared. QC data on sample 201-01-1113 in package ST201 is available for use of data qualifiers and evaluation of sample results in this SDG.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST212
GASOLINE RANGE ORGANICS DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST212
GASOLINE RANGE ORGANICS (GRO)

1) Gasoline range organics (GRO) analyses were conducted by purging 5 mL of water or 5 grams of a soil with an inert gas. The purged contaminants were trapped and thermally desorbed onto a 105 meter, 502.2 chromatography column installed in a Varian 3700 gas chromatograph. The gas chromatograph was equipped with a flame ionization detector.

2) A 5-point calibration was performed for GRO using a sample of regular unleaded gasoline. For each level of calibration, the areas observed for the peaks were summed. The sum of the peaks eluting between the retention times of 2-methylpentane and 1,2,4-trimethylbenzene from each calibration level was plotted against the concentration (µg/mL). If the correlation coefficient (r) >0.995 or the determination coefficient (R^2) >0.990, the calibration is linear. Reasonable quadratic curves may be used when the calibration is not linear. Sample concentrations were determined from the plot labelled "GASOLINE" by comparing the total area observed for component peaks eluting between the retention times of 2-methylpentane and 1,2,4-trimethylbenzene to the corresponding concentration (amount) in µg/L or µg/Kg. The surrogate standard α,α,α-trifluorotoluene, elutes within the GRO window. Its area is subtracted from the total area observed.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST212
DIESEL RANGE ORGANICS DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST212
DIESEL RANGE ORGANICS (DRO)

1) Diesel range organics (DRO) analyses were conducted by extracting 1 liter of water or 30 grams of soil with methylene chloride. The extracts were concentrated to 1 mL and analyzed by gas chromatography. A Hewlett-Packard 5890 gas chromatograph fitted with a 30 meter, 0.53 mm ID (megabore) RTX-5 capillary column and equipped with a flame ionization detector was used to complete the analyses.

2) A 5-point calibration was performed for DRO using a 10-component synthetic standard mix. For each level of calibration, the areas observed for the peaks were summed. The sum of the peaks from each calibration level was plotted against the concentration (µg/mL). If the correlation coefficient (r) >0.995 or the determination coefficient (R^2) >0.990, the calibration is linear. Reasonable quadratic curves may be used when the calibration is not linear. Sample concentrations were determined from the plot labelled "DRO" by comparing the total area observed for component peaks eluting between the retention times of decane and octacosane to the corresponding concentration (amount) in µg/mL. This value is then corrected for extract volume, the volume or weight of sample extracted and the dilution factor (if any). The surrogate standard, n-pentacosane, elutes within the DRO window. Its area is subtracted from the total area observed.

3) Sample concentrations were calculated using the following formulas:

For Soils:

$$DRO\ (\mu g\ /Kg) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the weight of the sample extracted in kilograms.
DF = the dilution factor.

For Waters:

$$DRO\ (\mu g\ /L) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the volume of sample extracted in liters.
DF = the dilution factor.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST212
SEMIVOLATILES

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST212
SEMIVOLATILES

1) The samples in this package were analyzed by protocol to meet the requirements of the Air Force IRP/AFCEE as defined in "Handbook to Support the Installation Restoration Program (IRP) Statements of Work," May, 1991. These requirements are defined in the Sampling and Analysis Plan (SAP) as modified by any subsequent revision.

2) The LCS/LCSD pair data were tabulated and reported as if they were MS/MSD. Each LCS/LCSD pair was given the name of the associated blank followed by either the MS (LCS) or MSD (LCSD) suffix. For example, water blank SBLKFR is associated with SBLKFRMS (LCS) and SBLKFRMSD.

3) LCS/LCSD pair data acceptance criteria include the stipulation that the data are acceptable as long as no more than 25% of the data fail recovery on RPD criteria. No LCS/LCSD pairs in this case were unacceptable.

4) Internal standard areas are reported for all sample analyses, but corrective action is required only if internal standard areas for a continuing calibration do not meet criteria as specified in the SW-846 method.

5) No surrogate failures were noted.

6) The %D for the following continuing calibration compounds exceeded the 25% limit established for AFCEE protocol.

Instrument/Date and Time	Compound	%D
GCMSF - 5/6/94 - 1207	2-methylnaphthalene	-35.8

The continuing calibration is valid, since up to 4 compounds may exceed the 25% limit as long as they do not exceed 40%D or have an RF $\leq$0.010.

7) Lot #LA41854 of LCS/LCSD spiking solution obtained from Supelco, Inc. included several target analytes which were prepared in the cocktail at a concentration other than 100 µg/mL. For those compounds whose concentrations were determined to exceed 100 $\pm$ 5 µg/mL their concentrations were corrected and the corrected concentrations used to determine LCS/LCSD and MS/MSD recoveries.

8) Due to software limitations, a generalized Form 6 was used to report initial calibration results.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST213
DIESEL RANGE ORGANICS DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST213
DIESEL RANGE ORGANICS

1) Diesel range organics (DRO) analyses were conducted by extracting 1 liter of water or 30 grams of soil with methylene chloride. The extracts were concentrated to 1 mL and analyzed by gas chromatography. A Hewlett-Packard 5890 gas chromatograph fitted with a 30 meter, 0.53 mm ID (megabore) RTX-5 capillary column and equipped with a flame ionization detector was used to complete the analyses.

2) A 5-point calibration was performed for DRO using a 10-component synthetic standard mix. For each level of calibration, the areas observed for the peaks were summed. The sum of the peaks from each calibration level was plotted against the concentration (µg/mL). If the correlation coefficient (r) >0.995 or the determination coefficient (R^2) >0.990, the calibration is linear. Reasonable quadratic curves may be used when the calibration is not linear. Sample concentrations were determined from the plot labelled "DRO" by comparing the total area observed for component peaks eluting between the retention times of decane and octacosane to the corresponding concentration (amount) in µg/mL. This value is then corrected for extract volume, the volume or weight of sample extracted and the dilution factor (if any). The surrogate standard, n-pentacosane, elutes within the DRO window. Its area is subtracted from the total area observed.

3) Sample concentrations were calculated using the following formulas:

For Soils:

$$DRO\ (\mu g\ /Kg) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the weight of the sample extracted in kilograms.
DF = the dilution factor.

For Waters:

$$DRO\ (\mu g\ /L) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the volume of sample extracted in liters.
DF = the dilution factor.

4) No % moisture are reported on the Form Is for blanks, LCS/LCSDs or MS/MSDs. Percent moistures were not determined for these samples.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST213
SEMIVOLATILES DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST213
SEMIVOLATILES

1) The samples in this package were analyzed by protocols to meet the requirements of the Air Force IRP/AFCEE as defined in "Handbook to Support the Installation Restoration Program (IRP) Statements of Work," May, 1991. These requirements are defined in the Sampling and Analysis Plan (SAP) as modified by any subsequent revisions.

2) The LCS/LCSD pair data were tabulated and reported as if they were MS/MSD. Each LCS/LCSD pair was given the name of the associated blank followed by either the MS (LCS) or MSD (LCSD) suffix. For example, soil blank SBLKGMA is associated with SBLKGMMS (LCS) and SBLKGAMSD.

3) Internal standard areas are reported for all sample analyses, but corrective action is required only if internal standard areas for a continuing calibration do not meet criteria a superfund in the SW-846 method.

4) The following surrogate failures were noted.

Sample ID	Surrogate	% Recovery	Recovery Limits %
SBLKGAMS	Nitrobenzene-d_5 2-Fluorobiphenyl	90 96	54-85 50-86
SBLKGAMSD	2-Fluorobiphenyl	87	50-86
213010408	2-Fluorobiphenyl	87	50-86
213011115	Terphenyl-d_{14} Nitrobenzene-d_5 2-Fluorobiphenyl	122 100 108	32-112 54-85 50-86
213020408	Nitrobenzene-d_5 2-Fluorobiphenyl	88 93	54-85 50-86
213021115	Nitrobenzene-d_5 2-Fluorobiphenyl	89 95	54-85 50-86
213030408	Nitrobenzene-d_5 2-Fluorobiphenyl	88 96	54-85 50-86
213031115	Nitrobenzene-d_5 2-Fluorobiphenyl	87 93	54-85 50-86

The high surrogate recoveries were probably due to improvements made in the analytical technique (more frequent column cutting and changing of injection port lines). The observed surrogate recovery failure should have no adverse affect on the data.

5) The following compounds did not meet the 20.5% RSD criteria established for AFCEE protocol.

Instrument/Date and Time	Compound	% RSD
GCMSG/4-28-94, 1135	2,4-Dinitrophenol	31.8
GCMSG/5-23-94, 1206	Bis(2-chloroethyl)ether	24.5
	N-nitrosodiphenylamine	22.0
	Benzo(k)fluoranthene	20.7
	Phenol-d_5	21.7

The calibrations are valid. No %RSD criteria exists for 2,4-Dinitrophenol and n-nitrosodiphenylamine. Up to 4 compounds may exceed the %RSD criteria, provided the %RSDs for these compounds are 40.0%.

6) The following compounds did not meet the 25% D established for continuing calibrations for AFCEE protocol:

Instrument/Date and Time	Compound	%D
GCMSG / 5-19-94, 1053	Benzo(k)fluoranthene	-27.9

The % difference for four compounds may exceed 25%, provided the RRF for these compounds are ≥0.010 and the %D ≤40.0%.

7) Lot #LA41854 of LCS/LCSD spiking solution obtained from Supelco, Inc. included several target analytes which were prepared in the cocktail at a concentration other than 100 µg/mL. For those compounds whose concentrations were determined to be different than 100 ± 5 µg/mL, their concentrations were corrected and the corrected concentrations were used to determine LCS/LCSD and MS/MSD recoveries.

8) Percent moistures were not determined for soil blanks and LCSs. The percent moisture field on the form 1s for these samples were left blank.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST213
INORGANIC DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST213
INORGANIC

1) The samples in this data package were analyzed by protocols that are to meet the requirements of "Handbook to Support the Installation Restoration Program (IRP) Statements of Work", May 1991 and any project-specific requirements. The requirements for analysis and reporting are specified in the laboratory quality assurance plan for AFCEE as modified by the Sampling and Analysis Plan.

2) CLP reporting forms were used even though CLP protocols are not required for the analyses. Data qualifiers, as specified in the table immediately following the Cover Page, are used on the reporting forms according to CLP requirements; although these requirements may not be specific to AFCEE reporting procedures.

3) The "date received" that appears on Form 1s is actually the date of sample collection.

4) AFCEE protocol requires duplicate laboratory control standards (LCS/LCSD) as a means of obtaining precision and accuracy on each batch. In addition, MS/MSD are required instead of duplicate/matrix spikes. Therefore, the following CLP reporting forms were used to report LCS/LCSD and MS/MSD data.

   - Two separate Form 5-As for recoveries for matrix spike and matrix spike duplicate.
   - Form 6 (one each) for RPDs for MS/MSD and LCS/LCSD.
   - Form 7 (two) for recoveries for LCS/LCSD.

5) A CRDL standard was analyzed for all required analytes. As recovery limits have not been established for the CRDL standard, the results, as obtained, are reported on Form 2B. No corrective action is required for high or low recovery situations. Percent recovery calculations are performed on the actual value, even if found to be below the IDL.

6) Times of analysis for instruments that do not provide this information (MAS50B) are estimated on Form 14 (Analytical Run Log).

7) Analyte field size restrictions resulted in Molybdenum being truncated to "Molybdenu" on the reporting forms.

8) The laboratory has procured and used a new LCS material (ERA Lot 219) with the soil samples in this SDG. The new material is physically different than previous solid LCS material and, consequently, yields recoveries for most metals substantially different than the previously established, statistically-based, control limits. Therefore, default control limits provided by the manufacturer of the material, Environmental Resource Associates, are used. These limits are listed in Form 7 of the case. The default control limits are being used until new statistically-based control limits can be established for the new solid control material. With the exception of aluminum, all metals are yielding recoveries within the default range. Aluminum, yielding an average of 154% from preliminary evaluations of the material (eight separate analyses referred by NIST SRM 2710), is believed to be true and accurate for the NUS Laboratory due to the nature of the new LCS material. Aluminum results are, therefore, reported with this apparent discrepancy until new statistically-based limits can be established.

9) The ninth continuing calibration verification standard (CCV9) associated with ICP analysis performed 05/16/94 yielded recoveries outside control limits for potassium and sodium. However, all samples associated with this SDG were analyzed between the second and fourth calibration verification standards; therefore all data associated with this SDG was acceptable.

10) A quality control sample (MS/MSD) was not designated for the samples in this SDG. However, the AFCEE sample 213-01-0408 (NUS sample P272040) was digested and analyzed as the QC sample for mercury analysis only. In addition, the soils in this SDG were batched with other AFCEE samples from which a QC sample was prepared. QC data on sample 211-04-1216A (NUS sample P271902) is available in SDG ST211 for use of data qualifiers and evaluation of results in soils in this package.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST214
GASOLINE RANGE ORGANICS DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST214
GASOLINE RANGE ORGANICS (GRO)

1) Gasoline range organics (GRO) analyses were conducted by purging 5 mL of water or 5 grams of a soil with an inert gas. The purged contaminants were trapped and thermally desorbed onto a 105 meter, 502.2 chromatography column installed in a Varian 3700 gas chromatograph. The gas chromatograph was equipped with a flame ionization detector.

2) A 5-point calibration was performed for GRO using a sample of regular unleaded gasoline. For each level of calibration, the areas observed for the peaks were summed. The sum of the peaks eluting between the retention times of 2-methylpentane and 1,2,4-trimethylbenzene from each calibration level was plotted against the concentration (µg/mL). If the correlation coefficient (r) >0.995 or the determination coefficient (R^2) >0.990, the calibration is linear. Reasonable quadratic curves may be used when the calibration is not linear. Sample concentrations were determined from the plot labelled "GASOLINE" by comparing the total area observed for component peaks eluting between the retention times of 2-methylpentane and 1,2,4-trimethylbenzene to the corresponding concentration (amount) in µg/L or µg/Kg. The surrogate standard α,α,α-trifluorotoluene, elutes within the GRO window. Its area is subtracted from the total area observed.

3) The LCS05/LCSD05 pair analyzed on the TPH-Blaster on 5/5/94 at 1250 and 1412, respectively exhibited a high RPD. The data were accepted because all surrogates recovered adequately, both analyte recoveries were acceptable and the only sample associated with the LCS/LCSD pair were equipment blanks (EB214042694 and EB214042794). Neither sample had any reportable GRO detected.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST214
DIESEL RANGE ORGANICS DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST214
DIESEL RANGE ORGANICS

1) Diesel range organics (DRO) analyses were conducted by extracting 1 liter of water or 30 grams of soil with methylene chloride. The extracts were concentrated to 1 mL and analyzed by gas chromatography. A Hewlett-Packard 5890 gas chromatograph fitted with a 30 meter, 0.53 mm ID (megabore) RTX-5 capillary column and equipped with a flame ionization detector was used to complete the analyses.

2) A 5-point calibration was performed for DRO using a 10-component synthetic standard mix. For each level of calibration, the areas observed for the peaks were summed. The sum of the peaks from each calibration level was plotted against the concentration (µg/mL). If the correlation coefficient (r) >0.995 or the determination coefficient (R^2) >0.990, the calibration is linear. Reasonable quadratic curves may be used when the calibration is not linear. Sample concentrations were determined from the plot labelled "DRO" by comparing the total area observed for component peaks eluting between the retention times of decane and octacosane to the corresponding concentration (amount) in µg/mL. This value is then corrected for extract volume, the volume or weight of sample extracted and the dilution factor (if any). The surrogate standard, n-pentacosane, elutes within the DRO window. Its area is subtracted from the total area observed.

3) Sample concentrations were calculated using the following formulas:

For Soils:

$$DRO\ (\mu g\ /Kg) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the weight of the sample extracted in kilograms.
DF = the dilution factor.

For Waters:

$$DRO\ (\mu g\ /L) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the volume of sample extracted in liters.
DF = the dilution factor.

4) The DRO Surrogate spiking solution was prepared at a concentration of 102 µg/mL. The data system's percent recovery was set-up based upon a spiking solution of 100 µg/mL. The surrogate recoveries reported on the forms 2E are correct and based upon the 102 µg/mL surrogate spiking solution. For soils, the n-pentacosene concentration was corrected from µg/L to µg/kg. For example, sample 214011014 (P270947) had an n-pentacosene concentration of 80.18 µg/mL. Since the final volume of the extract is 1 mL, this can be expressed as 100.72 µg/mL. For a soil extract, then,

$$80.18\ \mu g/mL \times 1\ mL \times \frac{1}{0.050\ kg} = 2670\ \mu g/kg\ or\ 79\%\ recovery$$

None of the surrogate recovery calculations were corrected for % moisture.

5) Sample P271202 (21405104) was analyzed at a 20X dilution on GC #9 on 5/15/94 at 0556. No attempt was made to analyze this sample extract at a lower dilution. The extract was black and viscous. Analysis at a lower dilution may have resulted in severe damage to the chromatographic system.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST214
SEMIVOLATILES DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST214
SEMIVOLATILES

1) The samples in this package were analyzed by protocols to meet the requirements of the Air Force IRP/AFCEE as defined in "Handbook to Support the Installation Restoration Program (IRP) Statements of Work," May, 1991. These requirements are defined in the Sampling and Analysis Plan (SAP) as modified by any subsequent revisions.

2) The LCS/LCSD pair data were tabulated and reported as if they were MS/MSD. Each LCS/LCSD pair was given the name of the associated blank followed by either the MS (LCS) or MSD (LCSD) suffix. For example, water blank SBLKGH is associated with SBLKGHMS (LCS) and SBLKGHMSD.

3) LCS/LCSD pair data acceptance criteria include the stipulation that the data are acceptable as long as no more than 25% of the data fail recovery or RPD criteria. No LCS/LCSD pairs in this case were unacceptable.

4) Internal standard areas are reported for all sample analyses, but corrective action is required only if internal standard areas for a continuing calibration do not meet criteria a superfund in the SW-846 method.

5) The following surrogate failures were noted.

Sample #	Sample ID	Date/Time of Analysis	Instrument	Surrogate	% Recovery	Recovery Limits %
P270947MSD	214011014MSD	5-25-94/18:20	GCMSG	Phenol-d_5	106	48-97

The high surrogate recovery was probably due to improvements made in the analytical technique (frequent column cutting and changing of injection port lines). The observed surrogate recovery failure should have no adverse effect on the data.

6) Lot #LA41854 of LCS/LCSD spiking solution obtained from Supelco, Inc. included several target analytes which were prepared in the cocktail at a concentration other than 100 µg/mL. For those compounds whose concentrations were determined to exceed 100 ± 5 µg/mL, their concentrations were corrected and the corrected concentrations were used to determine LCS/LCSD and MS/MSD recoveries.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST214
INORGANIC DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST214
INORGANIC

1) The samples in this data package were analyzed by protocols that are to meet the requirements of "Handbook to Support the Installation Restoration Program (IRP) Statements of Work", May 1991 and any project-specific requirements. The requirements for analysis and reporting are specified in the laboratory quality assurance plan for AFCEE as modified by the Sampling and Analysis Plan.

2) CLP reporting forms were used even though CLP protocols are not required for the analyses. Data qualifiers, as specified in the table immediately following the Cover Page, are used on the reporting forms according to CLP requirements; although these requirements may not be specific to AFCEE reporting procedures.

3) The "date received" that appears on Form 1s is actually the date of sample collection.

4) AFCEE protocol requires duplicate laboratory control standards (LCS/LCSD) as a means of obtaining precision and accuracy on each batch. In addition, MS/MSD are required instead of duplicate/matrix spikes. Therefore, the following CLP reporting forms were used to report LCS/LCSD and MS/MSD data.

   - Two separate Form 5-As for recoveries for matrix spike and matrix spike duplicate.
   - Form 6 (one each) for RPDs for MS/MSD and LCS/LCSD.
   - Form 7 (two) for recoveries for LCS/LCSD.

5) A CRDL standard was analyzed for all required analytes. As recovery limits have not been established for the CRDL standard, the results, as obtained, are reported on Form 2B. No corrective action is required for high or low recovery situations. Percent recovery calculations are performed on the actual value, even if found to be below the IDL.

6) Times of analysis for instruments that do not provide this information (MAS50B) are estimated on Form 14 (Analytical Run Log).

7) Analyte field size restrictions resulted in Molybdenum being truncated to "Molybdenu" on the reporting forms.

8) The laboratory has procured and used a new LCS material (ERA Lot 219) with the soil samples in this SDG. The new material is physically different than previous solid LCS material and, consequently, yields recoveries for most metals substantially different than the previously established, statistically-based, control limits. Therefore, default control limits provided by the manufacturer of the material, Environmental Resource Associates, are used. These limits are listed in Form 7 of the case. The default control limits are being used until new statistically-based control limits can be established for the new solid control material. With the exception of aluminum, all metals are yielding recoveries within the default range. Aluminum, yielding an average of 154% from preliminary evaluations of the material (eight separate analyses referred by NIST SRM 2710), is believed to be true and accurate for the NUS Laboratory due to the nature of the new LCS material. Aluminum results are, therefore, reported with this apparent discrepancy until new statistically-based limits can be established.

9) The LCS/LCSD associated with preparation batch 25706 (05/03/94) yielded poor recovery for several elements. All samples associated with batch 25706 were redigested on 05/06/94 (batch 25792) and were reanalyzed on 05/12/94. However, the LCS/LCSD for batch 25792 yielded poor recoveries for silver. Therefore, the original sample preparation batch 25706 was reanalyzed for silver only on 05/12/94 and the results used.

10) A quality control sample (MS/MSD) was not designated for the samples in this SDG. However, the AFCEE sample EB-214-04269 (NUS sample P270946) was digested and analyzed as the aqueous QC sample for all metals. AFCEE sample 214-01-1014 (NUS sample P270947) was prepared and analyzed as the solid QC sample for this SDG.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST215L
INORGANIC DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST215L
INORGANIC

1) The samples in this data package were analyzed by protocols that are to meet the requirements of "Handbook to Support the Installation Restoration Program (IRP) Statements of Work", May 1991 and any project-specific requirements. The requirements for analysis and reporting are specified in the laboratory quality assurance plan for AFCEE as modified by the Sampling and Analysis Plan.

2) CLP reporting forms were used even though CLP protocols are not required for the analyses. Data qualifiers, as specified in the table immediately following the Cover Page, are used on the reporting forms according to CLP requirements; although these requirements may not be specific to AFCEE reporting procedures.

3) The "date received" that appears on Form 1s is actually the date of sample collection.

4) AFCEE protocol requires duplicate laboratory control standards (LCS/LCSD) as a means of obtaining precision and accuracy on each batch. In addition, MS/MSD are required instead of duplicate/matrix spikes. Therefore, the following CLP reporting forms were used to report LCS/LCSD and MS/MSD data.

   - Two separate Form 5-As for recoveries for matrix spike and matrix spike duplicate.
   - Form 6 (one each) for RPDs for MS/MSD and LCS/LCSD.
   - Form 7 (two) for recoveries for LCS/LCSD.

5) A CRDL standard was analyzed for all required analytes. As recovery limits have not been established for the CRDL standard, the results, as obtained, are reported on Form 2B. No corrective action is required for high or low recovery situations. Percent recovery calculations are performed on the actual value, even if found to be below the IDL.

6) Times of analysis for instruments that do not provide this information (MAS50B) are estimated on Form 14 (Analytical Run Log).

7) A quality control sample (MS/MSD) was not designated for this SDG. However, AFCEE sample 215-02-0307 TCLP (NUS sample P271269) and AFCEE sample 215-04-0309 TCLP were digested and analyzed for QC purposes.

8) The TCLP LCSD associated with TCLP BATCHES 174 and 175 were inadvertently missed during the metals sample preparation of batch 25772. The LCS and the LCSD associated with the TCLP extraction procedure were redigested on 05/17/94 (batch 26061) and were analyzed for all required elements.

Reanalyses of the leachate LCS/LCSD pairs (NUS samples P272543 and P272545) yielded acceptable recoveries for all analytes with the exception of selenium in the LCS only of sample P272543 (% recovery = 76.3%). The statistically based limits for selenium in water samples are 76.5% to 103%). Consequently, this analyte in extraction fluid #1 was just out of control. However, preparation LCS/LCSDs were prepared with both batches 25772 and 26061 and these control standards yielded selenium recovery results (approximately 86-87%) solidly in the control limits in all cases. Indeed, recoveries of all leachate selenium results ranging about 76 to 84% were less than that of the preparation LCS results. This indicates that the acetate extraction fluid matrix may be contributing to or causing the slightly low recovery for selenium in the leachate LCS.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST216
DIESEL RANGE ORGANICS DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST216
DIESEL RANGE ORGANICS

1) Diesel range organics (DRO) analyses were conducted by extracting 1 liter of water or 30 grams of soil with methylene chloride. The extracts were concentrated to 1 mL and analyzed by gas chromatography. A Hewlett-Packard 5890 gas chromatograph fitted with a 30 meter, 0.53 mm ID (megabore) RTX-5 capillary column and equipped with a flame ionization detector was used to complete the analyses.

2) A 5-point calibration was performed for DRO using a 10-component synthetic standard mix. For each level of calibration, the areas observed for the peaks were summed. The sum of the peaks from each calibration level was plotted against the concentration (µg/mL). If the correlation coefficient (r) >0.995 or the determination coefficient (R^2) >0.990, the calibration is linear. Reasonable quadratic curves may be used when the calibration is not linear. Sample concentrations were determined from the plot labelled "DRO" by comparing the total area observed for component peaks eluting between the retention times of decane and octacosane to the corresponding concentration (amount) in µg/mL. This value is then corrected for extract volume, the volume or weight of sample extracted and the dilution factor (if any). The surrogate standard, n-pentacosane, elutes within the DRO window. Its area is subtracted from the total area observed.

3) Sample concentrations were calculated using the following formulas:

For Soils:

$$DRO\ (\mu g\ /Kg) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the weight of the sample extracted in kilograms.
DF = the dilution factor.

For Waters:

$$DRO\ (\mu g\ /L) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the volume of sample extracted in liters.
DF = the dilution factor.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST216
GASOLINE RANGE ORGANICS DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST216
GASOLINE RANGE ORGANICS (GRO)

1) Gasoline range organics (GRO) analyses were conducted by purging 5 mL of an aqueous sample or 5 g of a soil sample with an inert gas. The purged constituents are then trapped, followed by thermal desorption onto a 105 meter, 502.2 chromatography column installed in a Varian 3700 gas chromatograph. The gas chromatograph was equipped with a flame ionization detector.

2) A 5-point calibration was performed for GRO analysis using regular unleaded gasoline. For each level of calibration, the areas observed for the peaks eluting between the retention times of 2-methylpentane and 1,2,4-trimethylbenzene were summed. The sum of the peaks for each calibration level was plotted against the concentration in µg/L (the axis labelled "Amount" on the "Gasoline" calibration curve). Quantitation of each sample result was performed by reading the corresponding concentration in µg/L for each observed area from the "Gasoline" calibration curve. The surrogate standard α,α,α,-trifluorotoluene, elutes within the GRO window. Its area is subtracted from the total area observed for calibration standards and samples.

3) The RPD observed for the MS/MSD pair 216011013 (P271294) was high (53%). The high RPD may have been due to the matrix. No corrective action was taken.

4) Percent moistures were not determined for blanks and LCS/LCSDs.

Case Comments
Case ID: KRT2B
SDG: ST216
Gasoline Range Organics

1. Gasoline range organics analyses (GRO) were conducted by purging 5 mL of water or 5 grams of soil with an inert gas. The purged contaminants were trapped and thermally desorbed onto a 105 meter 502.2 chromatography column installed in a Varian 3700 gas chromatograph. The gas chromatograph was equipped with a flame ionization detector.

2. A 5 - point calibration was performed for GRO using a sample of regular unleaded gasoline. For each level of calibration, the areas observed for the peaks were summed. The sum of the peaks eluting between the retention times of 2 - methylpentane and 1,2,4 - trimethylbenzene from each calibration level was plotted against the concentration (ug/mL). If the correlation coefficient (r) > 0.995 or the determination coefficient (R^2) > 0.990, the calibration is linear. Reasonable quadratic curves may be used when the calibration is not linear. Sample ~~concentrations~~ concentrations were determined from the plot labelled "GASOLINE" by comparing the total area observed for component peaks eluting between the retention times of 2 - methylpentane and 1,2,4 - trimethylbenzene to the corresponding concentration (amount) in ug/L or ug/Kg. The surrogate standard, a,a,a - trifluorotoluene, elutes within the GRO window. Its area is subtracted from the total area observed.

3. The RPD observed for the MS/MSD pair 2160111013 (P271294) was high (53%). The high RPD may have been due to the matrix. No corrective action was taken.

4. Percent moistures were not determined for blanks and LCS/LCSD's.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST216
SEMIVOLATILES DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST216
SEMIVOLATILES

1) The samples in this package were analyzed by protocols to meet the requirements of the Air Force IRP/AFCEE as defined in "Handbook to Support the Installation Restoration Program (IRP) Statements of Work," May, 1991. These requirements are defined in the Sampling and Analysis Plan (SAP) as modified by any subsequent revisions.

2) The LCS/LCSD pair data were tabulated and reported as if they were MS/MSD. Each LCS/LCSD pair was given the name of the associated blank followed by either the MS (LCS) or MSD (LCSD) suffix. For example, water blank SBLKGH is associated with SBLKGHMS (LCS) and SBLKGHMSD.

3) LCS/LCSD pair data acceptance criteria include the stipulation that the data are acceptable as long as no more than 25% of the data fail recovery or RPD criteria. No LCS/LCSD pairs in this case were unacceptable.

4) Internal standard areas are reported for all sample analyses, but corrective action is required only if internal standard areas for a continuing calibration do not meet criteria a superfund in the SW-846 method.

5) The following surrogate failures were noted.

Sample #	Sample ID	Date/Time of Analysis	Instrument	Surrogate	% Recovery	Recovery Limits %
P271294	216011013	5-25-94 / 23:13	GCMSG	Phenol-d_5	108	48-97

The high surrogate recovery was probably due to improvements made in the analytical technique (frequent column cutting and changing of injection port lines). The observed surrogate recovery failure should have no adverse effect on the data.

6) Lot #LA41854 of LCS/LCSD spiking solution obtained from Supelco, Inc. included several target analytes which were prepared in the cocktail at a concentration other than 100 µg/mL. For those compounds whose concentrations were determined to be different than 100 ± 5 µg/mL, their concentrations were corrected and the corrected concentrations were used to determine LCS/LCSD and MS/MSD recoveries.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST216
INORGANIC DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST216
INORGANIC

1) The samples in this data package were analyzed by protocols that are to meet the requirements of "Handbook to Support the Installation Restoration Program (IRP) Statements of Work", May 1991 and any project-specific requirements. The requirements for analysis and reporting are specified in the laboratory quality assurance plan for AFCEE as modified by the Sampling and Analysis Plan.

2) CLP reporting forms were used even though CLP protocols are not required for the analyses. Data qualifiers, as specified in the table immediately following the Cover Page, are used on the reporting forms according to CLP requirements; although these requirements may not be specific to AFCEE reporting procedures.

3) The "date received" that appears on Form 1s is actually the date of sample collection.

4) AFCEE protocol requires duplicate laboratory control standards (LCS/LCSD) as a means of obtaining precision and accuracy on each batch. Therefore, the following CLP reporting forms were used to report LCS/LCSD data.

   - Form 6 (one each) for RPDs for MS/MSD and LCS/LCSD.
   - Form 7 (two) for recoveries for LCS/LCSD.

5) A CRDL standard was analyzed for all required analytes. As recovery limits have not been established for the CRDL standard, the results, as obtained, are reported on Form 2B. No corrective action is required for high or low recovery situations. Percent recovery calculations are performed on the actual value, even if found to be below the IDL.

6) Times of analysis for instruments that do not provide this information (MAS50B) are estimated on Form 14 (Analytical Run Log).

7) Analyte field size restrictions resulted in Molybdenum being truncated to "Molybdenu" on the reporting forms.

8) The laboratory has procured and used a new LCS material (ERA Lot 219) with the soil samples in this SDG. The new material is physically different than previous solid LCS material and, consequently, yields recoveries for most metals substantially different than

the previously established, statistically-based, control limits. Therefore, default control limits provided by the manufacturer of the material, Environmental Resource Associates, are used. These limits are listed in Form 7 of the case. The default control limits are being used until new statistically-based control limits can be established for the new solid control material. With the exception of aluminum, all metals are yielding recoveries within the default range. Aluminum, yielding an average of 154% from preliminary evaluations of the material (eight separate analyses referred by NIST SRM 2710), is believed to be true and accurate for the NUS Laboratory due to the nature of the new LCS material. Aluminum results are, therefore, reported with this apparent discrepancy until new statistically-based limits can be established.

9) A quality control sample (MS/MSD) was not designated for the samples in this SDG. Therefore, data qualifiers and QC forms (V and VI) for samples do not appear in the package. However, the soils in this SDG were batched with other AFCEE soils from which a QC sample was prepared. QC data on sample 215-02-2630 (NUS sample P271272) is available in SDG ST215 for use of data qualifiers and evaluation of results in this package.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST217
GASOLINE RANGE ORGANICS DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST217
GASOLINE RANGE ORGANICS (GRO)

1) Gasoline range organics (GRO) analyses were conducted by purging 5 mL of water or 5 grams of a soil with an inert gas. The purged contaminants were trapped and thermally desorbed onto a 105 meter, 502.2 chromatography column installed in a Varian 3700 gas chromatograph. The gas chromatograph was equipped with a flame ionization detector.

2) A 5-point calibration was performed for GRO using a sample of regular unleaded gasoline. For each level of calibration, the areas observed for the peaks were summed. The sum of the peaks eluting between the retention times of 2-methylpentane and 1,2,4-trimethylbenzene from each calibration level was plotted against the concentration (µg/mL). If the correlation coefficient (r) >0.995 or the determination coefficient (R^2) >0.990, the calibration is linear. Reasonable quadratic curves may be used when the calibration is not linear. Sample concentrations were determined from the plot labelled "GASOLINE" by comparing the total area observed for component peaks eluting between the retention times of 2-methylpentane and 1,2,4-trimethylbenzene to the corresponding concentration (amount) in µg/L or µg/Kg. The surrogate standard α,α,α-trifluorotoluene, elutes within the GRO window. Its area is subtracted from the total area observed.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST217
DIESEL RANGE ORGANICS DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST217
DIESEL RANGE ORGANICS (DRO)

1) Diesel range organics (DRO) analyses were conducted by extracting 1 liter of water or 30 grams of soil with methylene chloride. The extracts were concentrated to 1 mL and analyzed by gas chromatography. A Hewlett-Packard 5890 gas chromatograph fitted with a 30 meter, 0.53 mm ID (megabore) RTX-5 capillary column and equipped with a flame ionization detector was used to complete the analyses.

2) A 5-point calibration was performed for DRO using a 10-component synthetic standard mix. For each level of calibration, the areas observed for the peaks were summed. The sum of the peaks from each calibration level was plotted against the concentration (µg/mL). If the correlation coefficient (r) >0.995 or the determination coefficient (R^2) >0.990, the calibration is linear. Reasonable quadratic curves may be used when the calibration is not linear. Sample concentrations were determined from the plot labelled "DRO" by comparing the total area observed for component peaks eluting between the retention times of decane and octacosane to the corresponding concentration (amount) in µg/mL. This value is then corrected for extract volume, the volume or weight of sample extracted and the dilution factor (if any). The surrogate standard, n-pentacosane, elutes within the DRO window. Its area is subtracted from the total area observed.

3) Sample concentrations were calculated using the following formulas:

For Soils:

$$DRO\ (\mu g\ /Kg) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the weight of the sample extracted in kilograms.
DF = the dilution factor.

For Waters:

$$DRO\ (\mu g\ /L) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the volume of sample extracted in liters.
DF = the dilution factor.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST217
INORGANIC DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST217
INORGANIC

1) The samples in this data package were analyzed by protocols that are to meet the requirements of "Handbook to Support the Installation Restoration Program (IRP) Statements of Work", May 1991 and any project-specific requirements. The requirements for analysis and reporting are specified in the laboratory quality assurance plan for AFCEE as modified by the Sampling and Analysis Plan.

2) CLP reporting forms were used even though CLP protocols are not required for the analyses. Data qualifiers, as specified in the table immediately following the Cover Page, are used on the reporting forms according to CLP requirements; although these requirements may not be specific to AFCEE reporting procedures.

3) The "date received" that appears on Form 1s is actually the date of sample collection.

4) AFCEE protocol requires duplicate laboratory control standards (LCS/LCSD) as a means of obtaining precision and accuracy on each batch. Therefore, the following CLP reporting forms were used to report LCS/LCSD and MS/MSD data.

   - Two separate Form 5-As for recoveries for matrix spike and matrix spike duplicate.
   - Form 6 (one each) for RPDs for MS/MSD and LCS/LCSD.
   - Form 7 (two) for recoveries for LCS/LCSD.

5) A CRDL standard was analyzed for all required analytes. As recovery limits have not been established for the CRDL standard, the results, as obtained, are reported on Form 2B. No corrective action is required for high or low recovery situations. Percent recovery calculations are performed on the actual value, even if found to be below the IDL.

6) Times of analysis for instruments that do not provide this information (MAS50B) are estimated on Form 14 (Analytical Run Log).

7) Analyte field size restrictions resulted in Molybdenum being truncated to "Molybdenu" on the reporting forms.

8) The laboratory has procured and used a new LCS material (ERA Lot 219) with the soil samples in this SDG. The new material is physically different than previous solid LCS material and, consequently, yields recoveries for most metals substantially different than the previously established, statistically-based, control limits. Therefore, default control limits provided by the manufacturer of the material, Environmental Resource Associates, are used. These limits are listed in Form 7 of the case. The default control limits are being used until new statistically-based control limits can be established for the new solid control material. With the exception of aluminum, all metals are yielding recoveries within the default range. Aluminum, yielding an average of 154% from preliminary evaluations of the material (eight separate analyses referred by NIST SRM 2710), is believed to be true and accurate for the NUS Laboratory due to the nature of the new LCS material. Aluminum results are, therefore, reported with this apparent discrepancy until new statistically-based limits can be established.

9) A QC sample (MS/MSD) was not designated for the samples in this SDG. However, AFCEE sample EB-217-041594 (NUS sample P269778) was digested and analyzed as the aqueous QC for all metals, with the exception of mercury. Additionally, the soils were batched with other Kirtland soils from which a QC sample, 201-01-1113 (NUS sample P269529), was prepared. QC data on sample 201-01-1113 in package ST201 is available for use of data quallifiers and evaluation of results on soils in this SDG.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST217
SEMIVOLATILES

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST217
SEMIVOLATILES

1) The samples in this package were analyzed by protocol to meet the requirements of the Air Force IRP/AFCEE as defined in "Handbook to Support the Installation Restoration Program (IRP) Statements of Work," May, 1991. These requirements are defined in the Sampling and Analysis Plan (SAP) as modified by any subsequent revision.

2) The LCS/LCSD pair data were tabulated and reported as if they were MS/MSD. Each LCS/LCSD pair was given the name of the associated blank followed by either the MS (LCS) or MSD (LCSD) suffix. For example, water blank SBLKFT is associated with SBLKFTMS (LCS) and SBLKFTMSD.

3) LCS/LCSD pair data acceptance criteria include the stipulation that the data are acceptable as long as no more than 25% of the data fail recovery on RPD criteria. No LCS/LCSD pairs in this case were unacceptable.

4) Internal standard areas are reported for all sample analyses, but corrective action is required only if internal standard areas for a continuing calibration do not meet criteria as specified in the SW-846 method.

5) No surrogate failures were noted.

6) The %ASD for the following initial calibration compounds exceeded the 20.5% limit established for AFCEE protocol.

Instrument/Date and Time	Compound	%D
GCMSF - 5/11/94 - 1624	2-fluorophenol	23.6

The initial calibration is valid since up to 4 compounds may exceed the maximum %RSD, provided the %RSD for these compounds ≤40.0% and the RRF ≤0.010.

7) The %D for the following continuing calibration compounds exceeded the 25% limit established for AFCEE protocol.

Instrument/Date and Time	Compound	%D
GCMSF - 5/6/94 - 1207	2-Methylnaphthalene	-35.8
GCMSF - 5/7/94 - 0054	2-Methylnaphthalene	-30.0

The continuing calibrations are valid since up to 4 compounds may exceed the maximum %RSD, provided the %RSD for these compounds ≤40.0% and the RRF ≥0.010.

8) Lot #LA41854 of LCS/LCSD spiking solution obtained from Supelco, Inc. included several target analytes which were prepared in the cocktail at a concentration other than 100 µg/mL. For those compounds whose concentrations were determined to exceed 100 ± 5 µg/mL their concentrations were corrected and the corrected concentrations used to determine LCS/LCSD and MS/MSD recoveries.

9) Due to software limitations, a generalized Form 6 was used to report initial calibration results.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST218
GASOLINE RANGE ORGANICS DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST218
GASOLINE RANGE ORGANICS (GRO)

1) The sample in this data package was analyzed by protocols that are to meet the requirements of "Handbook to Support the Installation Restoration Program (IRP) Statements of Work", May 1991 and any project-specific requirements. The requirements for analysis and reporting are specified in the laboratory quality assurance plan for AFCEE as modified by the Sampling and Analysis Plan.

2) Gasoline range organics (GRO) analyses were conducted by purging 5 mL of water or 5 grams of a soil with an inert gas. The purged contaminants were trapped and thermally desorbed onto a 105 meter, 502.2 chromatography column installed in a Varian 3700 gas chromatograph. The gas chromatograph was equipped with a flame ionization detector.

3) A 5-point calibration was performed for GRO using a sample of regular unleaded gasoline. For each level of calibration, the areas observed for the peaks were summed. The sum of the peaks eluting between the retention times of 2-methylpentane and 1,2,4-trimethylbenzene from each calibration level was plotted against the concentration (µg/L or µg/kg). If the correlation coefficient (r) ≥ 0.995 or the determination coefficient (R^2) ≥ 0.990, the calibration is linear. Reasonable quadratic curves may be used when the calibration is not linear. Sample concentrations were determined from the plot labelled "GASOLINE" by comparing the total area observed for component peaks eluting between the retention times of 2-methylpentane and 1,2,4-trimethylbenzene to the corresponding concentration (amount) in µg/L or µg/Kg. The surrogate standard α,α,α-trifluorotoluene, elutes within the GRO window. Its area is subtracted from the total area observed.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST218
DIESEL RANGE ORGANICS DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST218
DIESEL RANGE ORGANICS (DRO)

1) Diesel range organics (DRO) analyses were conducted by extracting 1 liter of water or 30 grams of soil with methylene chloride. The extracts were concentrated to 1 mL and analyzed by gas chromatography. A Hewlett-Packard 5890 gas chromatograph fitted with a 30 meter, 0.53 mm ID (megabore) RTX-5 capillary column and equipped with a flame ionization detector was used to complete the analyses.

2) A 5-point calibration was performed for DRO using a 10-component synthetic standard mix. For each level of calibration, the areas observed for the peaks were summed. The sum of the peaks from each calibration level was plotted against the concentration (µg/mL). If the correlation coefficient (r) >0.995 or the determination coefficient (R^2) >0.990, the calibration is linear. Reasonable quadratic curves may be used when the calibration is not linear. Sample concentrations were determined from the plot labelled "DRO" by comparing the total area observed for component peaks eluting between the retention times of decane and octacosane to the corresponding concentration (amount) in µg/mL. This value is then corrected for extract volume, the volume or weight of sample extracted and the dilution factor (if any). The surrogate standard, n-pentacosane, elutes within the DRO window. Its area is subtracted from the total area observed.

3) Sample concentrations were calculated using the following formulas:

For Soils:

$$DRO\ (\mu g\ /Kg) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the weight of the sample extracted in kilograms.
DF = the dilution factor.

For Waters:

$$DRO\ (\mu g\ /L) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the volume of sample extracted in liters.
DF = the dilution factor.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST218
SEMIVOLATILES

CASE COMMENTS
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST218
SEMIVOLATILES

1) The samples in this package were analyzed by protocol to meet the requirements of the Air Force IRP/AFCEE as defined in "Handbook to Support the Installation Restoration Program (IRP) Statements of Work," May, 1991. These requirements are defined in the Sampling and Analysis Plan (SAP) as modified by any subsequent revision.

2) The LCS/LCSD pair data were tabulated and reported as if they were MS/MSD. Each LCS/LCSD pair was given the name of the associated blank followed by either the MS (LCS) or MSD (LCSD) suffix. For example, water blank SBLKFK is associated with SBLKFKMS (LCS) and SBLKFKMSD.

3) Internal standard areas are reported for all sample analyses, but corrective action is required only if internal standard areas for a continuing calibration do not meet criteria as specified in the SW-846 method.

4) Lot #LA41854 of LCS/LCSD spiking solution obtained from Supelco, Inc. included several target analytes which were prepared in the cocktail at a concentration other than 100 µg/mL. For those compounds for which concentrations were determined to exceed 100 ± 5 µg/mL, concentrations were corrected to determine LCS/LCSD and MS/MSD recoveries.

5) Due to software limitations, a generalized Form 6 was used to report initial calibration results.

6) The "date received" on the Form 1s actually represents the date that the samples were collected.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST218
INORGANIC DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST218
INORGANIC

1) The samples in this data package were analyzed by protocols that are to meet the requirements of "Handbook to Support the Installation Restoration Program (IRP) Statements of Work", May 1991 and any project-specific requirements. The requirements for analysis and reporting are specified in the laboratory quality assurance plan for AFCEE as modified by the Sampling and Analysis Plan.

2) CLP reporting forms were used even though CLP protocols are not required for the analyses. Data qualifiers, as specified in the table immediately following the Cover Page, are used on the reporting forms according to CLP requirements; although these requirements may not be specific to AFCEE reporting procedures.

3) The "date received" that appears on Form 1s is actually the date of sample collection.

4) AFCEE protocol requires duplicate laboratory control standards (LCS/LCSD) as a means of obtaining precision and accuracy on each batch. Therefore, the following CLP reporting forms were used to report LCS/LCSD data.

   - Form 6 (one each) for RPDs for MS/MSD and LCS/LCSD.
   - Form 7 (two) for recoveries for LCS/LCSD.

5) A CRDL standard was analyzed for all required analytes. As recovery limits have not been established for the CRDL standard, the results, as obtained, are reported on Form 2B. No corrective action is required for high or low recovery situations. Percent recovery calculations are performed on the actual value, even if found to be below the IDL.

6) Times of analysis for instruments that do not provide this information (MAS50B) are estimated on Form 14 (Analytical Run Log).

7) Analyte field size restrictions resulted in Molybdenum being truncated to "Molybdenu" on the reporting forms.

8) The laboratory has procured and used a new LCS material (ERA Lot 219) with the soil samples in this SDG. The new material is physically different than previous solid LCS material and, consequently, yields recoveries for most metals substantially different than

the previously established, statistically-based, control limits. Therefore, default control limits provided by the manufacturer of the material, Environmental Resource Associates, are used. These limits are listed in Form 7 of the case. The default control limits are being used until new statistically-based control limits can be established for the new solid control material. With the exception of aluminum, all metals are yielding recoveries within the default range. Aluminum, yielding an average of 154% from preliminary evaluations of the material (eight separate analyses referred by NIST SRM 2710), is believed to be true and accurate for the NUS Laboratory due to the nature of the new LCS material. Aluminum results are, therefore, reported with this apparent discrepancy until new statistically-based limits can be established.

9) A QC sample (MS/MSD) was not designated for the samples in this SDG. However, AFCEE sample EB-218-040594 (NUS sample P269222) was used as an aqueous QC for mercury, and AFCEE sample 218-02-0711 (NUS sample P269225) was digested and analyzed as the solid quality control sample for mercury analyses in this SDG. Additionally, the sample in this SDG were batched with other AFCEE samples from which GC data can be obtained on all metals determined by inductively coupled plasma (ICP) spectrometry. QC data on aqueous sample DF-02-040694 (NUS sample P269248) in package ST207 and solid sample 231-99-0711 (NUS sample P269573) in package ST231 are available for data qualifiers and evaluation of the corresponding ICP results in this SDG.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST219
INORGANIC DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST219
INORGANIC

1) The samples in this data package were analyzed by protocols that are to meet the requirements of "Handbook to Support the Installation Restoration Program (IRP) Statements of Work", May 1991 and any project-specific requirements. The requirements for analysis and reporting are specified in the laboratory quality assurance plan for AFCEE as modified by the Sampling and Analysis Plan.

2) CLP reporting forms were used even though CLP protocols are not required for the analyses. Data qualifiers, as specified in the table immediately following the Cover Page, are used on the reporting forms according to CLP requirements; although these requirements may not be specific to AFCEE reporting procedures.

3) The "date received" that appears on Form 1s is actually the date of sample collection.

4) AFCEE protocol requires duplicate laboratory control standards (LCS/LCSD) as a means of obtaining precision and accuracy on each batch. In addition, MS/MSD are required instead of duplicate/matrix spikes. Therefore, the following CLP reporting forms were used to report LCS/LCSD and MS/MSD data.

   - Two separate Form 5-As for recoveries for matrix spike and matrix spike duplicate.
   - Form 6 (one each) for RPDs for MS/MSD and LCS/LCSD.
   - Form 7 (two) for recoveries for LCS/LCSD.

5) A CRDL standard was analyzed for all required analytes. As recovery limits have not been established for the CRDL standard, the results, as obtained, are reported on Form 2B. No corrective action is required for high or low recovery situations. Percent recovery calculations are performed on the actual value, even if found to be below the IDL.

6) Times of analysis for instruments that do not provide this information (MAS50B) are estimated on Form 14 (Analytical Run Log).

7) Analyte field size restrictions resulted in Molybdenum being truncated to "Molybdenu" on the reporting forms.

8) The laboratory has procured and used a new LCS material (ERA Lot 219) with the soil samples in this SDG. The new material is physically different than previous solid LCS material and, consequently, yields recoveries for most metals substantially different than the previously established, statistically-based, control limits. Therefore, default control limits provided by the manufacturer of the material, Environmental Resource Associates, are used. These limits are listed in Form 7 of the case. The default control limits are being used until new statistically-based control limits can be established for the new solid control material. With the exception of aluminum, all metals are yielding recoveries within the default range. Aluminum, yielding an average of 154% from preliminary evaluations of the material (eight separate analyses referred by NIST SRM 2710), is believed to be true and accurate for the NUS Laboratory due to the nature of the new LCS material. Aluminum results are, therefore, reported with this apparent discrepancy until new statistically-based limits can be established.

9) A QC sample (MS/MSD) was not designated for the samples in this SDG. However, the AFCEE sample EB-219-041994 (NUS sample P270014) was digested and analyzed as the aqueous QC for all metals. Solid quality control analysis was performed on AFCEE sample 219-01-1216 (NUS sample P270016).

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST219
DIESEL RANGE ORGANICS DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST219
DIESEL RANGE ORGANICS

Diesel range organics (DRO) analyses were conducted by extracting 1 liter of water or 30 grams of soil with methylene chloride. The extracts were concentrated to 1 mL and analyzed by gas chromatography. A Hewlett-Packard 5890 gas chromatograph fitted with a 30 meter, 0.53 mm ID (megabore) RTX-5 capillary column and equipped with a flame ionization detector was used to complete the analyses.

2) A 5-point calibration was performed for DRO using a 10-component synthetic standard mix. For each level of calibration, the areas observed for the peaks were summed. The sum of the peaks from each calibration level was plotted against the concentration (µg/mL). If the correlation coefficient (r) >0.995 or the determination coefficient (R^2) >0.990, the calibration is linear. Reasonable quadratic curves may be used when the calibration is not linear. Sample concentrations were determined from the plot labelled "DRO" by comparing the total area observed for component peaks eluting between the retention times of decane and octacosane to the corresponding concentration (amount) in µg/mL. This value is then corrected for extract volume, the volume or weight of sample extracted and the dilution factor (if any). The surrogate standard, n-pentacosane, elutes within the DRO window. Its area is subtracted from the total area observed.

3) Sample concentrations were calculated using the following formulas:

For Soils:

$$DRO\ (\mu g\ /Kg) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the weight of the sample extracted in kilograms.
DF = the dilution factor.

For Waters:

$$DRO\ (\mu g\ /L) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the volume of sample extracted in liters.
DF = the dilution factor.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST219
GASOLINE RANGE ORGANICS DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST219
GASOLINE RANGE ORGANICS

1) Gasoline range organics (GRO) analyses were conducted by purging 5 mL of water or 5 grams of a soil with an inert gas. The purged contaminants were trapped and thermally desorbed onto a 105 meter, 502.2 chromatography column installed in a Varian 3700 gas chromatograph. The gas chromatograph was equipped with a flame ionization detector.

2) A 5-point calibration was performed for GRO using a sample of regular unleaded gasoline. For each level of calibration, the areas observed for the peaks were summed. The sum of the peaks eluting between the retention times of 2-methylpentane and 1,2,4-trimethylbenzene from each calibration level was plotted against the concentration (µg/mL). If the correlation coefficient (r) >0.995 or the determination coefficient (R^2) >0.990, the calibration is linear. Reasonable quadratic curves may be used when the calibration is not linear. Sample concentrations were determined from the plot labelled "GASOLINE" by comparing the total area observed for component peaks eluting between the retention times of 2-methylpentane and 1,2,4-trimethylbenzene to the corresponding concentration (amount) in µg/L or µg/Kg. The surrogate standard α,α,α-trifluorotoluene, elutes within the GRO window. Its area is subtracted from the total area observed.

3) Due to software limitations, the following client IDs were modified.

NUS Sample #	Client ID	Abbreviated ID
P270026	EB-219-042094	EB042094
P270026MS	EB-219-042094MS	EB042094MS
P270026MSD	EB-219-042094MSD	EB042094MSD

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST219
SEMIVOLATILES DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST219
SEMIVOLATILES

1) The samples in this package were analyzed by protocols to meet the requirements of the Air Force IRP/AFCEE as defined in "Handbook to Support the Installation Restoration Program (IRP) Statements of Work," May, 1991. These requirements are defined in the Sampling and Analysis Plan (SAP) as modified by any subsequent revisions.

2) The LCS/LCSD pair data were tabulated and reported as if they were MS/MSD. Each LCS/LCSD pair was given the name of the associated blank followed by either the MS (LCS) or MSD (LCSD) suffix. For example, water blank SBLKFU is associated with SBLKFUMS (LCS) and SBLKFUMSD.

3) LCS/LCSD pair data acceptance criteria include the stipulation that the data are acceptable as long as no more than 25% of the data fail recovery or RPD criteria. No LCS/LCSD pairs in this case were unacceptable.

4) Internal standard areas are reported for all sample analyses, but corrective action is required only if internal standard areas for a continuing calibration do not meet criteria a superfund in the SW-846 method.

5) The following surrogate failures were noted.

Sample #	Sample ID	Date/Time of Analysis	Instrument	Surrogate	% Recovery	% Recovery Limits
P270015	219010709	5/7/94, 16:47	F	Nitrobenzene-d_5	85	54-85
P270016 MSD	21911216 MSD	5/7/94, 19:15	F	2-Fluorobiphenyl	93	50-86

The high surrogate recoveries were probably due to improvements made in the analytical technique (more frequent column cutting and changing of injection port lines). The observed surrogate recovery failures should have no adverse affect on the data.

6) The %D for the following continuing calibration compounds exceeded the 25% limit established for AFCEE protocol.

Instrument/Date and Time	Compound	%D
GCMSF	2-methylnaphthalene	

The continuing calibrations are valid, since up to 4 compounds may exceed the 25% limit as long as they do not exceed 40%D or have an RF ≤0.010.

7) Lot #LA41854 of LCS/LCSD spiking solution obtained from Supelco, Inc. included several target analytes which were prepared in the cocktail at a concentration other than 100 µg/mL. For those compounds for which exceed 100 ± 5 µg/mL, concentrations were corrected and the corrected concentrations used to determine LCS/LCSD and MS/MSD recoveries.

8) Due to software limitations, a generalized Form 6 was used to report initial calibration results.

9) The %D for the following continuing calibration compounds exceeded the 20.5% limit established for AFCEE protocol.

Instrument/Date and Time	Compound	%D
GCMSF, 4/28/94, 0854	2-Fluorophenol	23.6

The calibration was valid, since up to 4 compounds may exceed the 20.5% RSD criteria, as long as their %RSDs are <40.0% and their RRFs are ≥0.010.

10) The following samples were analyzed at a 20x dilution due to the presence of non-target and target analytes at relatively high concentrations. The sample extracts could not be analyzed at a lower dilution. No surrogate recoveries could be reported for these extracts.

CASE COMMENTS
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST219
SEMIVOLATILES

Sample No.	Sample ID	Date/Time/Analysis	Instrument
P270017	219050711	5/7/94, 20:04	GCMSF
P270031	219990711B	5/13/94, 15:24	GCMSF
P270032	219051215	5/13/94, 16:14	GCMSF
P270033	219052225	5/13/94, 17:05	GCMSF

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST219A
GASOLINE RANGE ORGANICS

1) Gasoline range organics (GRO) analyses were conducted by purging 5 mL of water or 5 grams of a soil with an inert gas. The purged contaminants were trapped and thermally desorbed onto a 105 meter, 502.2 chromatography column installed in a Varian 3700 gas chromatograph. The gas chromatograph was equipped with a flame ionization detector.

2) A 5-point calibration was performed for GRO using a sample of regular unleaded gasoline. For each level of calibration, the areas observed for the peaks were summed. The sum of the peaks eluting between the retention times of 2-methylpentane and 1,2,4-trimethylbenzene from each calibration level was plotted against the concentration (µg/mL). If the correlation coefficient (r) >0.995 or the determination coefficient (R^2) >0.990, the calibration is linear. Reasonable quadratic curves may be used when the calibration is not linear. Sample concentrations were determined from the plot labelled "GASOLINE" by comparing the total area observed for component peaks eluting between the retention times of 2-methylpentane and 1,2,4-trimethylbenzene to the corresponding concentration (amount) in µg/L or µg/Kg. The surrogate standard α,α,α-trifluorotoluene, elutes within the GRO window. Its area is subtracted from the total area observed.

3) The surrogate recovery observed for LCSD2 was low (39%). The data were accepted, since the recovery for the GRO was 87%. Only one sample 21906105109 (P276871).

Case Comments
Case ID: KRT2B
SDG: ST219A
Gasoline Range Organics

1. Gasoline range organics analyses (GRO) were conducted by purging 5 mL of water or 5 grams of soil with an inert gas. The purged contaminants were trapped and thermally desorbed onto a 105 meter 502.2 chromatography column installed in a Varian 3700 gas chromatograph. The gas chromatograph was equipped with a flame ionization detector.

2. A 5 - point calibration was performed for GRO using a sample of regular unleaded gasoline. For each level of calibration, the areas observed for the peaks were summed. The sum of the peaks eluting between the retention times of 2 - methylpentane and 1,2,4 - trimethylbenzene from each calibration level was plotted against the concentration (ug/mL). If the correlation coefficient (r) > 0.995 or the determination coefficient (R^2) > 0.990, the calibration is linear. Reasonable quadratic curves may be used when the calibration is not linear. Sample ~~concentations~~ concentrations were determined from the plot labelled "GASOLINE" by comparing the total area observed for component peaks eluting between the retention times of 2 - methylpentane and 1,2,4 - trimethylbenzene to the corresponding concentration (amount) in ug/L or ug/Kg. The surrogate standard, a,a,a - trifluorotoluene, elutes within the GRO window. Its area is subtracted from the total area observed.

3. The surrogate recovery observed for LCSD2 was low (39%). The data were accepted, since the recovery for the GRO was 87%. Only one sample was 2190610S107 (P276871).

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST219A
SEMIVOLATILES DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST219A
SEMIVOLATILES

1) The samples in this package were analyzed by protocols to meet the requirements of the Air Force IRP/AFCEE as defined in "Handbook to Support the Installation Restoration Program (IRP) Statements of Work," May, 1991. These requirements are defined in the Sampling and Analysis Plan (SAP) as modified by any subsequent revisions.

2) The LCS/LCSD pair data were tabulated and reported as if they were MS/MSD. Each LCS/LCSD pair was given the name of the associated blank followed by either the MS (LCS) or MSD (LCSD) suffix. For example, water blank SBLKGU is associated with SBLKGUMS (LCS) and SBLKGUMSD.

3) Internal standard areas are reported for all sample analyses, but corrective action is required only if internal standard areas for a continuing calibration do not meet criteria a ~~superfund~~ found ? in the SW-846 method.

4) The following surrogate failures were noted.

Sample #	Sample ID	Date/Time of Analysis	Instrument	Surrogate	% Recovery	Recovery Limits %
SBLKGX	SBLKGX	7-12-94 / 10:57	GCMSG	2-Fluorobiphenyl	96	28-92
P276867	EB219061794	7-12-94 / 15:01	GCMSG	2-Fluorobiphenyl	94	28-92
SBLKGB	SBLKGB	7-12-94 / 22:56	GCMSG	Nitrobenzene-d_5 2-Fluorobiphenyl	103 102	54-85 50-86
SBLKGB MS	SBLKGBMS	7-12-94 / 23:38	GCMSG	Phenol-d_5 Nitrobenzene-d_5 2-Fluorobiphenyl	105 105 105	48-97 54-85 50-86
SBLKG MSD	SBLKGBMSD	7-13-94 / 0:20	GCMSG	Phenol-d_5 Nitrobenzene-d_5 2-Fluorobiphenyl	106 106 108	48-97 54-85 50-86
P276655	219063234	7-14-94 / 11:53	GCMSG	Nitrobenzene-d_5	88	54-85

Sample #	Sample ID	Date/Time of Analysis	Instrument	Surrogate	% Recovery	Recovery Limits %
P276656	219064244	7-14-94 / 12:28	GCMSG	Nitrobenzene-d_5 2-Fluorobiphenyl	89 91	54-85 50-86
P276657	219065254	7-14-94 / 13:09	GCMSG	Nitrobenzene-d_5 2-Fluorobiphenyl	88 87	54-85 50-86
P276658	219067476	7-14-94 / 13:50	GCMSG	Nitrobenzene-d_5	86	54-85

The high surrogate recoveries were probably due to improvements made in the analytical technique (frequent column cutting and changing of injection port lines). The observed surrogate recovery failure should have no adverse effect on the data.

5) The following compounds did not meet the 20.5% RSD criteria established for initial calibrations for the AFCEE protocol.

Instrument/Date and Time	Compound	% RSD
GCMSG / 6-29-94 / 19:02	4-Chlorophenyl-phenylether Benzo(k)fluoranthene	23.0 31.6

6) The following compounds did not meet the 25% D established for continuing calibrations for the AFCEE protocol:

Instrument/Date and Time	Compound	%D
GCMSG / 7-1-94 / 19:02	Benzo(k)fluoranthene	47.9
GCMSG / 7-14-94 / 15:17	Hexachlorobutadiene	26.8

In the 7/14 continuing calibration, the CCC hexachlorobutadiene exceeded the 25% D criteria. The continuing calibration was accepted because the response for hexachlorobutadiene had increased relative to that observed in the initial calibration. No

hexachlorobutadiene was detected in any of the samples associated with this case. In the LCSs associated with this case, hexachlorobutadiene recoveries ranged from acceptable to high. No adverse affect on the data is expected. See NC/CA #SA-0-94-000145.

7) Lot #LA41854 of LCS/LCSD spiking solution obtained from Supelco, Inc. included several target analytes which were prepared in the cocktail at a concentration other than 100 µg/mL. For those compounds whose concentrations were determined to be different than 100 ± 5 µg/mL, their concentrations were corrected and the corrected concentrations were used to determine LCS/LCSD and MS/MSD recoveries.

8) Percent moistures were not determined for soil blanks and LCS's. The percent moisture field on the form 1s for these samples were left blank.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST219A
INORGANIC DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST219A
INORGANIC

1) The samples in this data package were analyzed by protocols that are to meet the requirements of "Handbook to Support the Installation Restoration Program (IRP) Statements of Work", May 1991 and any project-specific requirements. The requirements for analysis and reporting are specified in the laboratory quality assurance plan for AFCEE as modified by the Sampling and Analysis Plan.

2) CLP reporting forms were used even though CLP protocols are not required for the analyses. Data qualifiers, as specified in the table immediately following the Cover Page, are used on the reporting forms according to CLP requirements; although these requirements may not be specific to AFCEE reporting procedures.

3) The "date received" that appears on Form 1s is actually the date of sample collection.

4) AFCEE protocol requires duplicate laboratory control standards (LCS/LCSD) as a means of obtaining precision and accuracy on each batch. In addition, MS/MSD are required instead of duplicate/matrix spikes. Therefore, the following CLP reporting forms were used to report LCS/LCSD and MS/MSD data.

   - Two separate Form 5-As for recoveries for matrix spike and matrix spike duplicate.
   - Form 6 (one each) for RPDs for MS/MSD and LCS/LCSD.
   - Form 7 (two) for recoveries for LCS/LCSD.

5) The NUS Laboratory has recently revised the ICP and graphite furnace standard operating procedures in which a detection limit (CRDL) standard is no longer analyzed as a sample in each analysis run. Consequently this data is not available on Form 2 (part 2). Alternatively, an additional low level PQL standard is used n the calibration of each instrument. The PQL standard is a requirement of the latest version of the Air Force IRP Handbook (September 1993). As with the detection limit standard used previously, the PQL calibration standard must be discernible from the blank.

6) Times of analysis for instruments that do not provide this information (MAS50B) are estimated on Form 14 (Analytical Run Log).

7) Analyte field size restrictions resulted in Molybdenum being truncated to "Molybdenu" on the reporting forms.

8) A quality control sample (MS/MSD) was not designated for the samples in this SDG. However, AFCEE sample EB-219-061694 (NUS sample P276651) was digested and analyzed as the aqueous QC for all elements, with the exception of mercury.

9) The LCS/LCSD associated with preparation batch 26916 proved to have poor recoveries for aluminum, lead and zinc. All samples associated with this preparation batch were redigested on 06/29/94 (batch 27102) and were reanalyzed for aluminum, lead and zinc, yielding acceptable data.

10) The preparation blank associated with batch 27032 yielded a high result for zinc (41.0 µg/L). However, all samples in this SDG contained zinc at greater than ten times the amount found in the blank. Therefore, corrective action is not required.

11) The solid LCS/LCSD associated with preparation batch 27102 yielded aluminum results outside the laboratory established, statistically-based control limits of 125% to 179% recovery. Aluminum recoveries on the LCS/LCSD were 93.8% and 101.3%. Although, on the surface, these recoveries appear to be quite good (approximately 100%), they are substantially different than the laboratory's previously determined average for aluminum of ~150%. However, the data were accepted for the following reasons.

Unlike most of the other elements which are spiked onto the LCS by the manufacturer, aluminum is an indigenous metal of the solid control material. The acid digestion performed on solids (soils, LCS, etc.) is not a total dissolution procedure. Rather the digestion is only a partial dissolution and solid residues always remain after digestion which must be filtered off. These residues are nothing more than indigenous metals, which continue to dissolve into solution with continued heating. They will also dissolve more with greater digestion temperature. Consequently, the concentration of indigenous metals in the digestate is highly dependent upon the preparation conditions. Since the acid digestion (SW 846 Method 3050 Section 7.2 and 7.4) allows for variable conditions (especially digestion time), the concentration of indigenous metals, namely aluminum, has varied greatly.

In addition the statistical calculations were determined from a limited set of data during which time the preparation conditions were relatively constant. Consequently, the statistical limits previously determined for indigenous metals are artificially narrow. The laboratory has calculated new limits for aluminum using 53 data points obtained over a period from 6/6/94 to 7/26/94. The average recovery for this set of data is 140.7% and the 95% confidence interval is 79.1% to 202.3%. These limits will be used for aluminum on future analyses of ERA Lot 219 LCS material.

Finally, since aluminum is an indigenous metal to most soils and the preparation yields highly variable results, the results for this metal should only be considered as approximate or estimate values.

12) Silver yielded a 128% recovery in the aqueous LCS/LCSD from preparation batch 27082. Although the laboratory has observed that silver consistently yields a positive bias in the aqueous LCS, it is not observed in the associated aqueous samples. Both samples in this SDG yielded silver results below the laboratory's reporting limit (0.01 mg/L) and below the maximum allowable quantitation limit specified in the AFCEE project plan. Consequently, the silver data were accepted.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST219A
DIESEL RANGE ORGANICS DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST219A
DIESEL RANGE ORGANICS (DRO)

1) Diesel range organics (DRO) analyses were conducted by extracting 1 liter of water or 30 grams of soil with methylene chloride. The extracts were concentrated to 1 mL and analyzed by gas chromatography. A Hewlett-Packard 5890 gas chromatograph fitted with a 30 meter, 0.53 mm ID (megabore) RTX-5 capillary column and equipped with a flame ionization detector was used to complete the analyses.

2) A 5-point calibration was performed for DRO using a 10-component synthetic standard mix. For each level of calibration, the areas observed for the peaks were summed. The sum of the peaks from each calibration level was plotted against the concentration (µg/mL). If the correlation coefficient (r) >0.995 or the determination coefficient (R^2) >0.990, the calibration is linear. Reasonable quadratic curves may be used when the calibration is not linear. Sample concentrations were determined from the plot labelled "DRO" by comparing the total area observed for component peaks eluting between the retention times of decane and octacosane to the corresponding concentration (amount) in µg/mL. This value is then corrected for extract volume, the volume or weight of sample extracted and the dilution factor (if any). The surrogate standard, n-pentacosane, elutes within the DRO window. Its area is subtracted from the total area observed.

3) Sample concentrations were calculated using the following formulas:

For Soils:

$$DRO\ (\mu g\ /Kg) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the weight of the sample extracted in kilograms.
DF = the dilution factor.

For Waters:

$$DRO\ (\mu g\ /L) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the volume of sample extracted in liters.
DF = the dilution factor.

4) The DRO surrogate spiking solution was prepared at a concentration of 104 µg/mL. The data system's percent recovery was set-up based upon a spiking solution of 101 µg/mL. The surrogate recoveries reported on the form 2E are correct and based upon the 104 µg/mL surrogate spiking solution. For soils, the n-pentacosane concentration was corrected from µg/L to µg/kg. For example, sample 219063234 (P276655) had an n-pentacosane concentration of 3930 µg/kg. Since the final volume of the extract is 1 mL, the soil extract is then,

$$\frac{3930\ \mu g/kg \times 0.03\ kg \times 100}{104\ \mu g/ml \times 1\ ml} = 113\%\ recovery.$$

The surrogate recovery calculations were corrected for % moisture.

5) Percent moistures were not determined for soil blanks or soil LCS/LCSDs. No blank or LCS/LCSD data were corrected for percent moisture.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST219A
GASOLINE RANGE ORGANICS DATA PACKAGE

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST220
INORGANIC DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST220
INORGANIC

1) The samples in this data package were analyzed by protocols that are to meet the requirements of "Handbook to Support the Installation Restoration Program (IRP) Statements of Work", May 1991 and any project-specific requirements. The requirements for analysis and reporting are specified in the laboratory quality assurance plan for AFCEE as modified by the Sampling and Analysis Plan.

2) CLP reporting forms were used even though CLP protocols are not required for the analyses. Data qualifiers, as specified in the table immediately following the Cover Page, are used on the reporting forms according to CLP requirements; although these requirements may not be specific to AFCEE reporting procedures.

3) The "date received" that appears on Form 1s is actually the date of sample collection.

4) AFCEE protocol requires duplicate laboratory control standards (LCS/LCSD) as a means of obtaining precision and accuracy on each batch. In addition, MS/MSD are required instead of duplicate/matrix spikes. Therefore, the following CLP reporting forms were used to report LCS/LCSD and MS/MSD data.

   - Two separate Form 5-As for recoveries for matrix spike and matrix spike duplicate.
   - Form 6 (one each) for RPDs for MS/MSD and LCS/LCSD.
   - Form 7 (two) for recoveries for LCS/LCSD.

5) The NUS Laboratory has recently revised the ICP and graphite furnace standard operating procedures in which a detection limit (CRDL) standard is no longer analyzed as a sample in each analysis run. Consequently, this data is not available on Form 2 (part 2). Alternatively, an additional low level PQL standard is used in the calibration of each instrument. The PQL standard is a requirement of the latest version of the Air Force IRP Handbook (September 1993). As with the detection limit standard used previously, the PQL calibration standard must be discernible from the blank.

6) Times of analysis for instruments that do not provide this information (MAS50B) are estimated on Form 14 (Analytical Run Log).

7) Analyte field size restrictions resulted in Molybdenum being truncated to "Molybdenu" on the reporting forms.

8) A quality control sample (MS/MSD) was not designated for the samples in this SDG. Therefore, data qualifiers and QC Forms V and VI for samples do not appear in the package. However, the soils in this SDG were batched with other AFCEE samples from which a QC sample was prepared. QC data on sample 221-03-1317 (NUS sample P276490) is available in SDG ST221 for use of data qualifiers and evaluation of results on soils in this package.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST220
SEMIVOLATILES DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST220
SEMIVOLATILES

1) The samples in this package were analyzed by protocols to meet the requirements of the Air Force IRP/AFCEE as defined in "Handbook to Support the Installation Restoration Program (IRP) Statements of Work," May, 1991. These requirements are defined in the Sampling and Analysis Plan (SAP) as modified by any subsequent revisions.

2) The LCS/LCSD pair data were tabulated and reported as if they were MS/MSD. Each LCS/LCSD pair was given the name of the associated blank followed by either the MS (LCS) or MSD (LCSD) suffix. For example, water blank SBLKGS is associated with SBLKGSMS (LCS) and SBLKGSMSD (LCSD).

3) Internal standard areas are reported for all sample analyses, but corrective action is required only if internal standard areas for a continuing calibration do not meet criteria a superfund in the SW-846 method.

4) The following surrogate failures were noted.

Sample #	Sample ID	Date/Time of Analysis	Instrument	Surrogate	% Recovery	Recovery Limits %
SBLKGT	SBLKGT	6-30-94/14:36	GCMSG	2-Fluorobiphenyl Terphenyl-d_{14}	96 113	50-86 32-112
SBLKGTMS	SBLKGTMS	6-30-94/15:13	GCMSG	2-Fluorobiphenol	95	50-86
SBLKGTMSD	SBLKGTMSD	6-30-94/15:51	GCMSG	2-Fluorobiphenol	93	50-86
P276377	220010709	6-30-94/16:28	GCMSG	2-Fluorobiphenol	96	50-86
P276378	220011416	6-30-94/17:06	GCMSG	2-Fluorobiphenol Nitrobenzene-d_5	99 87	50-86 54-85
P276379	220020711	6-30-94/18:47	GCMSG	2-Fluorobiphenol	97	50-86
P276380	220021416	6-30-94/19:24	GCMSG	2-Fluorobiphenol	97	50-86
P276381	220990711	6-30-94/20:02	GCMSG	2-Fluorobiphenyl Terphenyl-d_{14}	101 115	50-86 32-112
P276382	220030709	6-30-94/20:39	GCMSG	2-Fluorobiphenyl Terphenyl-d_{14}	97 113	50-86 32-112
P276383	220031416	6-30-94/21:17	GCMSG	2-Fluorobiphenyl Terphenyl-d_{14}	100 116	50-86 32-112

Sample #	Sample ID	Date/Time of Analysis	Instrument	Surrogate	% Recovery	Recovery Limits %
P276384	220040709	6-30-94/21:54	GCMSG	2-Fluorobiphenyl Terphenyl-d_{14}	98 115	50-86 32-112
P276385	220041416	6-30-94/22:31	GCMSG	2-Fluorobiphenyl Terphenyl-d_{14}	99 116	50-86 32-112

The high surrogate recoveries were probably due to improvements made in the analytical technique (frequent column cutting and changing of injection port lines). The observed surrogate recovery failure should have no adverse effect on the data.

5) The following compounds did not meet the 20.5% RSD criteria established for AFCEE protocol.

Instrument/Date and Time	Compound	% RSD
GCMSG / 6-29-94 / 19:02	Benzo(k)fluoranthene	31.6

6) The following compounds did not meet the 25% D established for continuing calibrations for the AFCEE protocol:

Instrument/Date and Time	Compound	%D
GCMSG / 6-30-94 / 18:10	Benzo(k)fluoranthene	32.8
GCMSG / 7-1-94 / 12:12	Benzo(k)fluoranthene	47.9

7) Lot #LA41854 of LCS/LCSD spiking solution obtained from Supelco, Inc. included several target analytes which were prepared in the cocktail at a concentration other than 100 µg/mL. For those compounds whose concentrations were determined to be different than 100 ± 5 µg/mL, their concentrations were corrected and the corrected concentrations were used to determine LCS/LCSD and MS/MSD recoveries.

8) Percent moistures were not determined for soil blanks and LCS's. The percent moisture filed on the form 1s for these samples were left blank.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST220
DIESEL RANGE ORGANICS DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST220
DIESEL RANGE ORGANICS (DRO)

1) Diesel range organics (DRO) analyses were conducted by extracting 1 liter of water or 30 grams of soil with methylene chloride. The extracts were concentrated to 1 mL and analyzed by gas chromatography. A Hewlett-Packard 5890 gas chromatograph fitted with a 30 meter, 0.53 mm ID (megabore) RTX-5 capillary column and equipped with a flame ionization detector was used to complete the analyses.

2) A 5-point calibration was performed for DRO using a 10-component synthetic standard mix. For each level of calibration, the areas observed for the peaks were summed. The sum of the peaks from each calibration level was plotted against the concentration (µg/mL). If the correlation coefficient (r) >0.995 or the determination coefficient (R^2) >0.990, the calibration is linear. Reasonable quadratic curves may be used when the calibration is not linear. Sample concentrations were determined from the plot labelled "DRO" by comparing the total area observed for component peaks eluting between the retention times of decane and octacosane to the corresponding concentration (amount) in µg/mL. This value is then corrected for extract volume, the volume or weight of sample extracted and the dilution factor (if any). The surrogate standard, n-pentacosane, elutes within the DRO window. Its area is subtracted from the total area observed.

3) Sample concentrations were calculated using the following formulas:

For Soils:

$$DRO\ (\mu g\ /Kg) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the weight of the sample extracted in kilograms.
DF = the dilution factor.

For Waters:

$$DRO\ (\mu g\ /L) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the volume of sample extracted in liters.
DF = the dilution factor.

4) The DRO surrogate spiking solution was prepared at a concentration of 104 µg/mL. The data system's percent recovery was set-up based upon a spiking solution of 101 µg/mL. The surrogate recoveries reported on the form 2E are correct and based upon the 104 µg/mL surrogate spiking solution. For soils, the n-pentacosane concentration was corrected from µg/L to µg/kg. For example, sample 220010709 (P276377) had an n-pentacosane concentration of 4697 µg/kg. Since the final volume of the extract is 1 mL, the soil extract is then,

$$\frac{4697\ \mu g/kg \times 0.03\ kg \times 100}{104\ \mu g/ml \times 1\ ml} = 135\%\ recovery.$$

The surrogate recovery calculations were corrected for % moisture.

5) Percent moistures were not determined for soil blanks or soil LCS/LCSDs. No blank or LCS/LCSD data were corrected for percent moisture.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST221
DIESEL RANGE ORGANICS DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST221
DIESEL RANGE ORGANICS

1) Diesel range organics (DRO) analyses were conducted by extracting 1 liter of water or 30 grams of soil with methylene chloride. The extracts were concentrated to 1 mL and analyzed by gas chromatography. A Hewlett-Packard 5890 gas chromatograph fitted with a 30 meter, 0.53 mm ID (megabore) RTX-5 capillary column and equipped with a flame ionization detector was used to complete the analyses.

2) A 5-point calibration was performed for DRO using a 10-component synthetic standard mix. For each level of calibration, the areas observed for the peaks were summed. The sum of the peaks from each calibration level was plotted against the concentration (µg/mL). If the correlation coefficient (r) >0.995 or the determination coefficient (R^2) >0.990, the calibration is linear. Reasonable quadratic curves may be used when the calibration is not linear. Sample concentrations were determined from the plot labelled "DRO" by comparing the total area observed for component peaks eluting between the retention times of decane and octacosane to the corresponding concentration (amount) in µg/mL. This value is then corrected for extract volume, the volume or weight of sample extracted and the dilution factor (if any). The surrogate standard, n-pentacosane, elutes within the DRO window. Its area is subtracted from the total area observed.

3) Sample concentrations were calculated using the following formulas:

For Soils:

$$DRO\ (\mu g\ /Kg) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the weight of the sample extracted in kilograms.
DF = the dilution factor.

For Waters:

$$DRO\ (\mu g\ /L) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the volume of sample extracted in liters.
DF = the dilution factor.

4) None of the surrogate recoveries were corrected for percent moisture.

5) Percent moistures were not determined for soil blanks or soil LCS/LCSDs. No blank or LCS/LCSD data were corrected for percent moisture.

6) On water sample chromatograms, the surrogate concentrations are expressed in µg/kg. These are equivalent to µg/L and were used as such. The concentrations are expressed in µg/kg due to software limitations.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST221
SEMIVOLATILES DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST221
SEMIVOLATILES

1) The samples in this package were analyzed by protocols to meet the requirements of the Air Force IRP/AFCEE as defined in "Handbook to Support the Installation Restoration Program (IRP) Statements of Work," May, 1991. These requirements are defined in the Sampling and Analysis Plan (SAP) as modified by any subsequent revisions.

2) The LCS/LCSD pair data were tabulated and reported as if they were MS/MSD. Each LCS/LCSD pair was given the name of the associated blank followed by either the MS (LCS) or MSD (LCSD) suffix. For example, soil blank SBLKGT is associated with SBLKGTMS (LCS) and SBLKGTMSD.

3) Internal standard areas are reported for all sample analyses, but corrective action is required only if internal standard areas for a continuing calibration do not meet criteria as specified in the SW-846 methods.

4) The following surrogate failures were noted.

Sample #	Sample ID	Date/Time of Analysis	Instrument	Surrogate	% Recovery	Recovery Limits %
P277268	SBLKGT	6-30-94 / 14:36	GCMSG	2-Fluorobiphenyl Terphenyl-d_{14}	96 113	50-86 32-112
P277267	SBLKGTMS	6-30-94 / 15:13	GCMSG	2-Fluorbiphenyl	95	50-86
P277267	SBLKGTMSD	6-30-94 / 15:51	GCMSG	2-Fluorobiphenyl	93	50-86
P276484	221010810	6-30-94 / 23:09	GCMSG	2-Fluorobiphenyl	97	50-86
P276485	221011315	6-30-94 / 23:46	GCMSG	2-Fluorobiphenyl	95	50-86
P276486	221020810	6-30-94 / 14:15	GCMSG	2-Fluorobiphenyl	102	50-86
P276487	221021315	7-1-94 / 01:01	GCMSG	2-Fluorobiphenyl Terphenyl-d_{14}	102 121	50-86 32-112

Sample #	Sample ID	[illegible]	Instrument	Surrogate	% Recovery	Recovery Limits %
P276488	221030812	7-1-94 / 01:39	GCMSG	2-Fluorobiphenyl Terphenyl-d_{14}	101 120	50-86 32-112
P276489	221990812	7-1-94 / 02:16		2-Fluorobiphenyl Terphenyl-d_{14}	100 119	50-86 32-112
P276493	221050510	7-1-94 / 17:52	GCMSG	2-Fluorobiphenyl	91	50-86
P276483	EB221061494	6-30-94 / 12:44	GCMSG	2-Fluorobiphenyl	95	50-86
P276552	EB221061594	6-30-94 / 13:21	GCMSG	2-Fluorobiphenyl	107	50-86

The high surrogate recoveries were probably due to improvements made in the analytical technique (frequent column cutting and changing of injection port lines). The observed surrogate recovery failure should have no adverse effect on the data.

5) The following compounds did not meet the 20.5% RSD criteria established for initial calibrations for the AFCEE protocol.

Instrument/Date and Time	Compound	%RSD
GCMSG / 6-29-94 / 1902	2-Chlorophenyl-phenylether Benzo(k)fluoranthene	23.0 31.6

The calibration is still valid. Up to 4 non-CCC compounds may exceed the %RSD criteria, provided the %RSD for these compounds are ≤40.0%.

6) The following compounds did not meet the 25% D criteria established for continuing calibrations for the AFCEE protocol:

Instrument/Date and Time	Compound	%D
GCMSG / 6-30-94 / 1810	Benzo(k)fluoranthene	-32.8
GCMSG / 6-29-94 / 1212	Benzo(k)fluoranthene	-47.9

The %D for up to 4 non-CCCs may exceed the %D criteria, provided the RRF for these compounds are ≥0.010 and the %D are <40.0%. No benzo(k)fluoranthene was detected in any sample analyzed on 6/29/94.

7) Lot #LA41854 of LCS/LCSD spiking solution obtained from Supelco, Inc. included several target analytes which were prepared in the cocktail at a concentration other than 100 µg/mL. For those compounds whose concentrations were determined to be different than 100 ± 5 µg/mL, their concentrations were corrected and the corrected concentrations were used to determine LCS/LCSD and MS/MSD recoveries.

8) Percent moistures were not determined for soil blanks and LCS's. The percent moisture field on the form 1s for these samples were left blank.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST221
INORGANIC DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST221
INORGANIC

1) The samples in this data package were analyzed by protocols that are to meet the requirements of "Handbook to Support the Installation Restoration Program (IRP) Statements of Work", May 1991 and any project-specific requirements. The requirements for analysis and reporting are specified in the laboratory quality assurance plan for AFCEE as modified by the Sampling and Analysis Plan.

2) CLP reporting forms were used even though CLP protocols are not required for the analyses. Data qualifiers, as specified in the table immediately following the Cover Page, are used on the reporting forms according to CLP requirements; although these requirements may not be specific to AFCEE reporting procedures.

3) The "date received" that appears on Form 1s is actually the date of sample collection.

4) AFCEE protocol requires duplicate laboratory control standards (LCS/LCSD) as a means of obtaining precision and accuracy on each batch. In addition, MS/MSD are required instead of duplicate/matrix spikes. Therefore, the following CLP reporting forms were used to report LCS/LCSD and MS/MSD data.

   - Two separate Form 5-As for recoveries for matrix spike and matrix spike duplicate.
   - Form 6 (one each) for RPDs for MS/MSD and LCS/LCSD.
   - Form 7 (two) for recoveries for LCS/LCSD.

5) The NUS Laboratory has recently revised the ICP and graphite furnace standard operating procedures in which a detection limit standard is no longer analyzed as a sample in each analysis run. Consequently, this data is not available on Form 2 (part 2). Alternatively, an additional low level PQL standard is used in the calibration of each instrument. The PQL standard is a requirement of the latest version of the Air Force IRP Handbook (September 1993). As with the detection limit standard used previously, the PQL calibration standard must be discernible from the blank.

6) Times of analysis for instruments that do not provide this information (MAS50B) are estimated on Form 14 (Analytical Run Log).

7) Analyte field size restrictions resulted in Molybdenum being truncated to "Molybdenu" on the reporting forms.

8) A quality control sample (MS/MSD) was not designated for the samples in this SDG. However, AFCEE sample 221-03-1317 (NUS sample P276490) was digested and analyzed as the solid QC for all elements. AFCEE sample EB-221-061594 (NUS sample P276552) was digested and analyzed as the aqueous QC sample for all metals, with the exception of mercury. Aqueous QC analyses for mercury was performed on AFCEE sample EB-221-061494 (NUS sample P276483).

9) The LCS/LCSD associated with preparation batch 26916 proved to have poor recoveries for aluminum, lead and zinc. All samples associated with this preparation batch were redigested on 06/29/94 (batch 27102) and were reanalyzed for aluminum, lead and zinc, yielding acceptable data.

10) The quality control samples (original/duplicate) for aqueous mercury analysis yielded poor precision (28.3%). However, the LCS/LCSD and calibration verification standards associated with this analysis all proved to be within control limits. In addition, none of the aqueous samples in this SDG yielded positive hits for mercury. Therefore, the mercury data on aqueous samples were accepted.

11) The solid LCS/LCSD associated with preparation batch 27102 yielded aluminum results outside the laboratory established, statistically-based control limits of 125% to 179% recovery. Aluminum recoveries on the LCS/LCSD were 93.8% and 101.3%. Although, on the surface, these recoveries appear to be quite good (approximately 100%), they are substantially different than the laboratory's previously determined average for aluminum of ~150%. However, the data were accepted for the following reasons.

Unlike most of the other elements which are spiked onto the LCS by the manufacturer, aluminum is an indigenous metal of the solid control material. The acid digestion performed on solids (soils, LCS, etc.) is not a total dissolution procedure. Rather the digestion is only a partial dissolution and solid residues always remain after digestion, which must be filtered off. These residues are nothing more than indigenous metals which continue to dissolve into solution with continued heating. They will also dissolve more with greater digestion temperature. Consequently, the concentration of indigenous

metals in the digestate is highly dependent upon the preparation conditions. Since the acid digestion (SW 846 Method 3050 Section 7.2 and 7.4) allows for variable conditions (especially digestion time), the concentration of indigenous metals, namely aluminum, has varied greatly.

In addition, the statistical calculations were determined from a limited set of data during which time the preparation conditions were relatively constant. Consequently, the statistical limits previously determined for indigenous metals are artificially narrow. The laboratory has calculated new limits for aluminum using 53 data points obtained over a period from 6/6/94 to 7/26/94. The average recovery for this set of data is 140.7% and the 95% confidence interval is 79.1% to 202.3%. These limits will be used for aluminum on future analyses of ERA Lot 219 LCS material.

Finally, since aluminum is an indigenous metal to most soils and the preparation yields highly variable results, the results for this metal should only be considered as approximate or estimate values.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST223
SEMIVOLATILES DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST223
SEMIVOLATILES

1) The samples in this package were analyzed by protocols to meet the requirements of the Air Force IRP/AFCEE as defined in "Handbook to Support the Installation Restoration Program (IRP) Statements of Work," May, 1991. These requirements are defined in the Sampling and Analysis Plan (SAP) as modified by any subsequent revisions.

2) The LCS/LCSD pair data were tabulated and reported as if they were MS/MSD. Each LCS/LCSD pair was given the name of the associated blank followed by either the MS (LCS) or MSD (LCSD) suffix. For example, soil blank SBLKFL is associated with SBLKFLMS (LCS).

3) Internal standard areas are reported for all sample analyses, but corrective action is required only if internal standard areas for a continuing calibration do not meet criteria a superfund in the SW-846 method.

4) No surrogate failures were noted.

5) The following compounds did not meet the 20.5% RSD criteria established for AFCEE protocol.

Instrument/Date and Time	Compound	% RSD
GCMSF / 5-31-94, 1731	Benzo(k)fluoranthene	22.6

6) The following compounds did not meet the 25%D criteria established for continuing calibrations for the AFCEE protocol:

Instrument/Date and Time	Compound	% RSD
GCMSF / 5-31-94, 1953	2,4,5-Trichlorophenol 2,4-Dinitrophenol	-32.4 -26.8

The %D for up to 4 non-CCCs may exceed the %D limit, provided the RRF for these compounds are ≥0.010 and the %D are ≤40.0%.

7) Lot #LA41854 of LCS/LCSD spiking solution obtained from Supelco, Inc. included several target analytes which were prepared in the cocktail at a concentration other than 100 µg/mL. For those compounds whose concentrations were determined to be different than 100 ± 5 µg/mL, their concentrations were corrected and the corrected concentrations were used to determine LCS/LCSD and MS/MSD recoveries.

8) Percent moistures were not determined for soil blanks and LCSs. The percent moisture field on form 1s for these samples were left blank.

9) The extraction laboratory inadvertently omitted the extraction of soil LCSD on 5/26/94. The LCS recoveries of target analytes were acceptable and all of the sample surrogate recoveries were also acceptable. There should be no adverse affect on the data due to the omission of the soil LCSD.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST223
INORGANIC DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST223
INORGANIC

1) The samples in this data package were analyzed by protocols that are to meet the requirements of "Handbook to Support the Installation Restoration Program (IRP) Statements of Work", May 1991 and any project-specific requirements. The requirements for analysis and reporting are specified in the laboratory quality assurance plan for AFCEE as modified by the Sampling and Analysis Plan.

2) CLP reporting forms were used even though CLP protocols are not required for the analyses. Data qualifiers, as specified in the table immediately following the Cover Page, are used on the reporting forms according to CLP requirements; although these requirements may not be specific to AFCEE reporting procedures.

3) The "date received" that appears on Form 1s is actually the date of sample collection.

4) AFCEE protocol requires duplicate laboratory control standards (LCS/LCSD) as a means of obtaining precision and accuracy on each batch. In addition, MS/MSD are required instead of duplicate/matrix spikes. Therefore, the following CLP reporting forms were used to report LCS/LCSD and MS/MSD data.

   - Two separate Form 5-As for recoveries for matrix spike and matrix spike duplicate.
   - Form 6 (one each) for RPDs for MS/MSD and LCS/LCSD.
   - Form 7 (two) for recoveries for LCS/LCSD.

5) The NUS Laboratory has recently revised the ICP and graphite furnace standard operating procedures in which a detection limit standard is no longer analyzed as a sample in each analysis run. Consequently, this data is not available on Form 2 (part 2). Alternatively, an additional low level PQL standard is used in the calibration of each instrument. The PQL standard is a requirement of the latest version of the Air Force IRP Handbook (September 1993). As with the detection limit standard used previously, the PQL calibration standard must be discernible from the blank.

6) Times of analysis for instruments that do not provide this information (MAS50B) are estimated on Form 14 (Analytical Run Log).

7) Analyte field size restrictions resulted in Molybdenum being truncated to "Molybdenu" on the reporting forms.

8) The laboratory has procured and used a new LCS material (ERA Lot 219) with the soil samples in this SDG. The new material is physically different than previous solid LCS material and, consequently, yields recoveries for most metals substantially different than the previously established, statistically-based, control limits. Therefore, default control limits provided by the manufacturer of the material, Environmental Resource Associates, are used. These limits are listed in Form 7 of the case. The default control limits are being used until new statistically-based control limits can be established for the new solid control material. With the exception of aluminum, all metals are yielding recoveries within the default range. Aluminum, yielding an average of 154% from preliminary evaluations of the material (eight separate analyses referred by NIST SRM 2710), is believed to be true and accurate for the NUS Laboratory due to the nature of the new LCS material. Aluminum results are, therefore, reported with this apparent discrepancy until new statistically-based limits can be established.

9) A quality control sample (MS/MSD) was not designated for the samples in this SDG, therefore data qualifiers and QC Forms V and VI for samples do not appear in the package. However, the soils in this SDG were batched with other AFCEE samples from which a QC sample was prepared. QC data on sample 234-04-1419 (NUS sample P273349) is available in SDG ST234 for use of data qualifiers and evaluation of results in this package.

10) An LCSD was not prepared with the samples in preparation batch 26381 due to confusion over which version of AFCEE protocol was applicable. The September 1993 version of the Air Force IRP Handbook no longer requires an LCSD and this protocol has been implemented for some AFCEE samples in the laboratory. Consequently, this omission is not believed to jeopardize the data on the four samples in this SDG that were prepared in batch 26381.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST223
DIESEL RANGE ORGANICS DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST223
DIESEL RANGE ORGANICS (DRO)

1) Diesel range organics (DRO) analyses were conducted by extracting 1 liter of water or 30 grams of soil with methylene chloride. The extracts were concentrated to 1 mL and analyzed by gas chromatography. A Hewlett-Packard 5890 gas chromatograph fitted with a 30 meter, 0.53 mm ID (megabore) RTX-5 capillary column and equipped with a flame ionization detector was used to complete the analyses.

2) A 5-point calibration was performed for DRO using a 10-component synthetic standard mix. For each level of calibration, the areas observed for the peaks were summed. The sum of the peaks from each calibration level was plotted against the concentration (µg/mL). If the correlation coefficient (r) >0.995 or the determination coefficient (R^2) >0.990, the calibration is linear. Reasonable quadratic curves may be used when the calibration is not linear. Sample concentrations were determined from the plot labelled "DRO" by comparing the total area observed for component peaks eluting between the retention times of decane and octacosane to the corresponding concentration (amount) in µg/mL. This value is then corrected for extract volume, the volume or weight of sample extracted and the dilution factor (if any). The surrogate standard, n-pentacosane, elutes within the DRO window. Its area is subtracted from the total area observed.

3) Sample concentrations were calculated using the following formulas:

For Soils:

$$DRO\ (\mu g\ /Kg) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the weight of the sample extracted in kilograms.
DF = the dilution factor.

For Waters:

$$DRO\ (\mu g\ /L) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the volume of sample extracted in liters.
DF = the dilution factor.

4) The DRO surrogate spiking solution was prepared at a concentration of 102 µg/mL. The data system's percent recovery was set-up based upon a spiking solution of 100 µg/mL. The surrogate recoveries reported on the form 2E are correct and based upon the 102 µg/mL surrogate spiking solution. For soils, the n-pentacosane concentration was corrected from µg/L to µg/kg. For example, sample 223011113 (P274209) had an n-pentacosane concentration of 64.23 µg/L. Since the final volume of the extract is 1 mL, this can be expressed on 64.23 µg/mL. For a soil extract, then,

$$64.23\ \mu g/mL \times 1\ mL \times \frac{1}{0.050\ kg} = 2140\ \mu g/kg\ or\ 63\%\ recovery.$$

None of the surrogate recovery calculations were corrected for % moisture.

5) Percent moistures were not determined for soil blanks or soil LCS/LCSDs. No blank or LCS/LCSD data were corrected for percent moisture.

6) A soil LCSD was not extracted on 5/26/94. Its omission was an inadvertent oversight by the extraction laboratory. The LCS recovery was acceptable and all of the surrogate recoveries observed for the sample extracts were within the QC limits. The data quality should not be adversely affected.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST224
INORGANIC DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST224
INORGANIC

1) The samples in this data package were analyzed by protocols that are to meet the requirements of "Handbook to Support the Installation Restoration Program (IRP) Statements of Work", May 1991 and any project-specific requirements. The requirements for analysis and reporting are specified in the laboratory quality assurance plan for AFCEE as modified by the Sampling and Analysis Plan.

2) CLP reporting forms were used even though CLP protocols are not required for the analyses. Data qualifiers, as specified in the table immediately following the Cover Page, are used on the reporting forms according to CLP requirements; although these requirements may not be specific to AFCEE reporting procedures.

3) The "date received" that appears on Form 1s is actually the date of sample collection.

4) AFCEE protocol requires duplicate laboratory control standards (LCS/LCSD) as a means of obtaining precision and accuracy on each batch. In addition, MS/MSD are required instead of duplicate/matrix spikes. Therefore, the following CLP reporting forms were used to report LCS/LCSD and MS/MSD data.

   - Two separate Form 5-As for recoveries for matrix spike and matrix spike duplicate.
   - Form 6 (one each) for RPDs for MS/MSD and LCS/LCSD.
   - Form 7 (two) for recoveries for LCS/LCSD.

5) The NUS Laboratory has recently revised the ICP and graphite furnace standard operating procedures in which a detection limit standard is no longer analyzed as a sample in each analysis run. Consequently, this data is not available on Form 2 (part 2). Alternatively, an additional low level PQL standard is used in the calibration of each instrument. The PQL standard is a requirement of the latest version of the Air Force IRP Handbook (September 1993). As with the detection limit standard used previously, the PQL calibration standard must be discernible from the blank.

6) Times of analysis for instruments that do not provide this information (MAS50B) are estimated on Form 14 (Analytical Run Log).

7) Analyte field size restrictions resulted in Molybdenum being truncated to "Molybdenu" on the reporting forms.

8) The laboratory has procured and used a new LCS material (ERA Lot 219) with the soil samples in this SDG. The new material is physically different than previous solid LCS material and, consequently, yields recoveries for most metals substantially different than the previously established, statistically-based, control limits. Therefore, default control limits provided by the manufacturer of the material, Environmental Resource Associates, are used. These limits are listed in Form 7 of the case. The default control limits are being used until new statistically-based control limits can be established for the new solid control material. With the exception of aluminum, all metals are yielding recoveries within the default range. Aluminum, yielding an average of 154% from preliminary evaluations of the material (eight separate analyses referred by NIST SRM 2710), is believed to be true and accurate for the NUS Laboratory due to the nature of the new LCS material. Aluminum results are, therefore, reported with this apparent discrepancy until new statistically-based limits can be established.

9) A quality control sample (MS/MSD) was not designated for the samples in this SDG. However, AFCEE sample EB-224-052494 (NUS sample P274287) was digested and analyzed as the aqueous QC sample for mercury only. In addition, the soils in this SDG were batched with other AFCEE samples from which a QC sample was prepared. QC data on sample 234-04-1419 (NUS sample P273349) is available in SDG ST234 for use of data qualifiers and evaluation of results on soils in this package.

10) An LCSD was not prepared with the samples in preparation batch 26381 due to confusion over which version of AFCEE protocol was applicable. The September 1993 version of the Air Force IRP Handbook no longer requires an LCSD and this protocol has been implemented for some AFCEE samples in the laboratory. Consequently, this omission is not believed to jeopardize the data on the three samples in this SDG that were prepared in batch 26381.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST224
SEMIVOLATILES DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST224
SEMIVOLATILES

1) The samples in this package were analyzed by protocols to meet the requirements of the Air Force IRP/AFCEE as defined in "Handbook to Support the Installation Restoration Program (IRP) Statements of Work," May, 1991. These requirements are defined in the Sampling and Analysis Plan (SAP) as modified by any subsequent revisions.

2) The LCS/LCSD pair data were tabulated and reported as if they were MS/MSD. Each LCS/LCSD pair was given the name of the associated blank followed by either the MS (LCS) or MSD (LCSD) suffix. For example, water blank SBLKFD is associated with SBLKFDMS (LCS) and SBLKFDMSD.

3) Internal standard areas are reported for all sample analyses, but corrective action is required only if internal standard areas for a continuing calibration do not meet criteria a superfund in the SW-846 method.

4) No surrogate failures were noted.

5) The following compounds did not meet the 20.5% RSD criteria established for initial calibrations for the AFCEE protocol:

Instrument/Date and Time	Compound	%RSD
GCMSF / 5-31-94 / 17:31	Benzo(k)fluoranthene	22.6
GCMSF / 6-8-94 / 11:55	Benzo(k)fluoranthene	21.0

The calibrations are valid. The %RSD for up to four non-CCCs may exceed the %RSD limit, provided the %RSD for these compounds are ≤40.0%.

6) The following compounds did not meet the 25% D criteria established for continuing calibrations for the AFCEE protocol:

Instrument/Date and Time	Compound	%D
GCMSF / 5-31-94 / 13:10	2,4,5-Trichlorophenol 2,4-Dinitrotoluene	-36.6 -26.7

The continuing calibration is valid. The %D for up to 4 non-CCCs may exceed the %D limit, provided the RRF for these compounds are ≥0.010 and the %D are ≤40.0%.

6) Lot #LA41854 of LCS/LCSD spiking solution obtained from Supelco, Inc. included several target analytes which were prepared in the cocktail at a concentration other than 100 µg/mL. For those compounds whose concentrations were determined to exceed 100 ± 5 µg/mL, their concentrations were corrected and the corrected concentrations used to determine LCS/LCSD and MS/MSD recoveries.

7) Percent moistures were not determined for soil blanks and LCSs. The percent moisture field on the Form 1s for these samples were left blank.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST224
DIESEL RANGE ORGANICS DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST224
DIESEL RANGE ORGANICS (DRO)

1) Diesel range organics (DRO) analyses were conducted by extracting 1 liter of water or 30 grams of soil with methylene chloride. The extracts were concentrated to 1 mL and analyzed by gas chromatography. A Hewlett-Packard 5890 gas chromatograph fitted with a 30 meter, 0.53 mm ID (megabore) RTX-5 capillary column and equipped with a flame ionization detector was used to complete the analyses.

2) A 5-point calibration was performed for DRO using a 10-component synthetic standard mix. For each level of calibration, the areas observed for the peaks were summed. The sum of the peaks from each calibration level was plotted against the concentration (µg/mL). If the correlation coefficient (r) >0.995 or the determination coefficient (R^2) >0.990, the calibration is linear. Reasonable quadratic curves may be used when the calibration is not linear. Sample concentrations were determined from the plot labelled "DRO" by comparing the total area observed for component peaks eluting between the retention times of decane and octacosane to the corresponding concentration (amount) in µg/mL. This value is then corrected for extract volume, the volume or weight of sample extracted and the dilution factor (if any). The surrogate standard, n-pentacosane, elutes within the DRO window. Its area is subtracted from the total area observed.

3) Sample concentrations were calculated using the following formulas:

For Soils:

$$DRO\ (\mu g\ /Kg) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the weight of the sample extracted in kilograms.
DF = the dilution factor.

For Waters:

$$DRO\ (\mu g\ /L) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the volume of sample extracted in liters.
DF = the dilution factor.

4) The DRD surrogate spiking solution was prepared at a concentration of 104 µg/mL. The data system's percent recovery was set-up based upon a spiking solution of 100 µg/mL. The surrogate recoveries reported on the forms 2E are correct and based upon the 104 µg/mL surrogate spiking solution. For soils, the n-pentacosene concentration was converted from µg/L to µg/kg. For example, sample 224010911 (P274288) had an n-pentacosane concentration of 100.72 µg/mL. For a soil extract, then

$$100.72\ \mu g/mL \times 1\ mL \times \frac{1}{0.030\ kg} = 3360\ \mu g/kg\ or\ 97\%\ recovery$$

None of the surrogate recovery calculations were corrected for % moisture.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST225
INORGANIC DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST225
INORGANIC

1) The samples in this data package were analyzed by protocols that are to meet the requirements of "Handbook to Support the Installation Restoration Program (IRP) Statements of Work", May 1991 and any project-specific requirements. The requirements for analysis and reporting are specified in the laboratory quality assurance plan for AFCEE as modified by the Sampling and Analysis Plan.

2) CLP reporting forms were used even though CLP protocols are not required for the analyses. Data qualifiers, as specified in the table immediately following the Cover Page, are used on the reporting forms according to CLP requirements; although these requirements may not be specific to AFCEE reporting procedures.

3) The "date received" that appears on Form 1s is actually the date of sample collection.

4) AFCEE protocol requires duplicate laboratory control standards (LCS/LCSD) as a means of obtaining precision and accuracy on each batch. In addition, MS/MSD are required instead of duplicate/matrix spikes. Therefore, the following CLP reporting forms were used to report LCS/LCSD and MS/MSD data.

   - Two separate Form 5-As for recoveries for matrix spike and matrix spike duplicate.
   - Form 6 (one each) for RPDs for MS/MSD and LCS/LCSD.
   - Form 7 (two) for recoveries for LCS/LCSD.

5) The NUS Laboratory has recently revised the ICP and graphite furnace standard operating procedures in which a detection limit standard is no longer analyzed as a sample in each analysis run. Consequently, this data is not available on Form 2 (part 2). Alternatively, an additional low level PQL standard is used in the calibration of each instrument. The PQL standard is a requirement of the latest version of the Air Force IRP Handbook (September 1993). As with the detection limit standard used previously, the PQL calibration standard must be discernible from the blank.

6) Times of analysis for instruments that do not provide this information (MAS50B) are estimated on Form 14 (Analytical Run Log).

7) Analyte field size restrictions resulted in Molybdenum being truncated to "Molybdenu" on the reporting forms.

8) The laboratory has procured and used a new LCS material (ERA Lot 219) with the soil samples in this SDG. The new material is physically different than previous solid LCS material and, consequently, yields recoveries for most metals substantially different than the previously established, statistically-based, control limits. Therefore, default control limits provided by the manufacturer of the material, Environmental Resource Associates, are used. These limits are listed in Form 7 of the case. The default control limits are being used until new statistically-based control limits can be established for the new solid control material. With the exception of aluminum, all metals are yielding recoveries within the default range. Aluminum, yielding an average of 154% from preliminary evaluations of the material (eight separate analyses referred by NIST SRM 2710), is believed to be true and accurate for the NUS Laboratory due to the nature of the new LCS material. Aluminum results are, therefore, reported with this apparent discrepancy until new statistically-based limits can be established.

9) A quality control sample (MS/MSD) was not designated for the samples in this SDG, therefore data qualifiers and QC Forms V and VI for samples do not appear in this package. However, the soils in this SDG were batched with other AFCEE samples from which a QC sample was prepared. QC data on sample 234-04-1419 (NUS sample P273349) is available in SDG ST234 for use of data qualifiers and evaluation of results in this package.

10) An LCSD was not prepared with the samples in preparation batch 26381 due to confusion over which version of AFCEE protocol was applicable. The September 1993 version of the Air Force IRP Handbook no longer requires an LCSD and this protocol has been implemented for some AFCEE samples in the laboratory. Consequently, this omission is not believed to jeopardize the data on the three samples in this SDG that were prepared in batch 26381.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST225
SEMIVOLATILES DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST225
SEMIVOLATILES

1) The samples in this package were analyzed by protocols to meet the requirements of the Air Force IRP/AFCEE as defined in "Handbook to Support the Installation Restoration Program (IRP) Statements of Work," May, 1991. These requirements are defined in the Sampling and Analysis Plan (SAP) as modified by any subsequent revisions.

2) The LCS/LCSD pair data were tabulated and reported as if they were MS/MSD. Each LCS/LCSD pair was given the name of the associated blank followed by either the MS (LCS) or MSD (LCSD) suffix. For example, soil blank SBLKFL is associated with SBLKFLMS (LCS).

3) Internal standard areas are reported for all sample analyses, but corrective action is required only if internal standard areas for a continuing calibration do not meet criteria a superfund in the SW-846 method.

4) No surrogate failures were noted.

5) The following compounds did not meet the 20.5% RSD criteria established for AFCEE protocol.

Instrument/Date and Time	Compound	% RSD
GCMSF / 5-31-94, 1731	Benzo(k)fluoranthene	22.6

The %RSD for up to four of the remaining non-CCCs may exceed the %RSD limit, provided the %RSD for these compounds are ≤40.0%.

6) The following compounds did not meet the 25%D criteria established for continuing calibrations for the AFCEE protocol:

Instrument/Date and Time	Compound	% RSD
GCMSF / 6-2-94, 19:53	2,4,5-Trichlorophenol 2,4-Dinitrotoluene	-32.4 -26.8
GCMSF / 6-3-94, 13:34	2,4,5-Trichlorophenol 2,4-Dinitrotoluene	-34.6 -28.1

The %D for up to 4 non-CCCs may exceed the %D limit, provided the RRF for these compounds are ≥0.010 and the %D are ≤40.0%.

7) Lot #LA41854 of LCS/LCSD spiking solution obtained from Supelco, Inc. included several target analytes which were prepared in the cocktail at a concentration other than 100 µg/mL. For those compounds whose concentrations were determined to be different than 100 ± 5 µg/mL, their concentrations were corrected and the corrected concentrations were used to determine LCS/LCSD and MS/MSD recoveries.

8) Percent moistures were not determined for soil blanks and LCSs. The percent moisture field on form 1s for these samples were left blank.

9) No soil LCSD was extracted on 5/26/94. This was due to an inadvertent oversight in the extraction laboratory. The LCS recoveries were acceptable. All of the sample surrogate recoveries were acceptable. No adverse affect on the data is expected due to the omission of the LCSD.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST225
DIESEL RANGE ORGANICS DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST225
DIESEL RANGE ORGANICS (DRO)

1) Diesel range organics (DRO) analyses were conducted by extracting 1 liter of water or 30 grams of soil with methylene chloride. The extracts were concentrated to 1 mL and analyzed by gas chromatography. A Hewlett-Packard 5890 gas chromatograph fitted with a 30 meter, 0.53 mm ID (megabore) RTX-5 capillary column and equipped with a flame ionization detector was used to complete the analyses.

2) A 5-point calibration was performed for DRO using a 10-component synthetic standard mix. For each level of calibration, the areas observed for the peaks were summed. The sum of the peaks from each calibration level was plotted against the concentration (µg/mL). If the correlation coefficient (r) >0.995 or the determination coefficient (R^2) >0.990, the calibration is linear. Reasonable quadratic curves may be used when the calibration is not linear. Sample concentrations were determined from the plot labelled "DRO" by comparing the total area observed for component peaks eluting between the retention times of decane and octacosane to the corresponding concentration (amount) in µg/mL. This value is then corrected for extract volume, the volume or weight of sample extracted and the dilution factor (if any). The surrogate standard, n-pentacosane, elutes within the DRO window. Its area is subtracted from the total area observed.

3) Sample concentrations were calculated using the following formulas:

For Soils:

$$DRO\ (\mu g\ /Kg) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the weight of the sample extracted in kilograms.
DF = the dilution factor.

For Waters:

$$DRO\ (\mu g\ /L) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the volume of sample extracted in liters.
DF = the dilution factor.

4) The DRO surrogate spiking solution was prepared at a concentration of 102 µg/mL. The data system's percent recovery was set-up based upon a spiking solution of 100 µg/mL. The surrogate recoveries reported on the form 2E are correct and based upon the 102 µg/mL surrogate spiking solution. For soils, the n-pentacosane concentration was corrected from µg/L to µg/kg. For example, sample 225011115 (P274213) had an n-pentacosane concentration of 65.52µg/L. Since the final volume of the extract is 1 mL, this can be expressed on 65.52 µg/mL. For a soil extract, then,

$$65.52\ \mu g/mL \times 1\ mL \times \frac{1}{0.050\ kg} = 2{,}180\ \mu g/kg\ or\ 64\%\ recovery$$

None of the surrogate recovery calculations were corrected for % moisture.

5) Percent moistures were not determined for soil blanks or soil LCS/LCSDs. No blank or LCS/LCSD data were corrected for percent moisture.

6) For samples extracted on 5/26/94, an LCSD was inadvertently omitted by the extraction laboratory. This should have no adverse effect on the data, since the LCS recovery was acceptable and all sample and blank surrogate recoveries were within limits.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST226
GASOLINE RANGE ORGANICS DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST226
GASOLINE RANGE ORGANICS (GRO)

1) The samples in this data package were analyzed by protocols that are to meet the requirements of "Handbook to Support the Installation Restoration Program (IRP) Statements of Work", May 1991 and any project-specific requirements. The requirements for analysis and reporting are specified in the laboratory quality assurance plan for AFCEE as modified by the Sampling and Analysis Plan.

2) Gasoline range organics (GRO) analyses were conducted by purging 5 mL of an aqueous sample or 5 g of a soil sample with an inert gas. The purged constituents are then trapped, followed by thermal desorption onto a 105 meter, 502.2 chromatography column installed in a Varian 3700 gas chromatograph. The gas chromatograph was equipped with a flame ionization detector.

3) A 5-point calibration was performed for GRO analysis using regular unleaded gasoline. For each level of calibration, the areas observed for the peaks eluting between the retention times of 2-methylpentane and 1,2,4-trimethylbenzene were summed. The sum of the peaks for each calibration level was plotted against the concentration in µg/L (the axis labelled "Amount" on the "Gasoline" calibration curve). Quantitation of each sample result was performed by reading the corresponding concentration in µg/L for each observed area from the "Gasoline" calibration curve. The surrogate standard α,α,α,-trifluorotoluene, elutes within the GRO window. Its area is subtracted from the total area observed for calibration standards and samples.

4) The following samples were reanalyzed fro GRO using a 2.5 g sample aliquot rather than a 5 g sample aliquot; the 5 g aliquots of these samples would not purge effectively to adequately recover the surrogate compound, α,α,α-trifluorotoluene.

Kirtland AFB Sample ID	NUS Sample No.	Sample Aliquot (g)	Date/Time of Analysis	Surrogate Recovery
226-01-0305	P268357	5	04/05/94; 20:49	0%*
226-01-0305RE	P268357RE	2.5	04/06/94; 11:02	91%
226-03-0306	P268363	5	04/05/94; 23:22	40%*
226-03-0306RE	P268363RE	2.5	04/06/94; 19:41	84%

Kirtland AFB Sample ID	NUS Sample No.	Sample Aliquot (g)	Date/Time of Analysis	Surrogate Recovery
226-99-0812	P268367	5	04/06/94; 01:55	0%*
226-99-0812RE	P268367RE	2.5	04/06/94; 11:40	81%

* Surrogate recovery outside the 50-150% control limits.

Data for both the original analyses and the diluted reanalyses are included in this data package.

5) A carbon treated deionized (CTDI) water blank which was analyzed on 04/05/94 at 16:22 exhibited a slight (1.8%) shift in the observed retention time for the surrogate compound α,α,α-trifluorotoluene. A second CTDI water blank was analyzed immediately following this blank; the retention time for the surrogate compound in this second CTDI blank was within the retention time window.

6) CLP reporting forms were used, although CLP protocols were not followed for sample analysis.

7) The "date received" that appears on Form 1 is actually the date of sample collection.

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST226
VOLATILES

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST226
VOLATILES

1) The samples in this package were analyzed by protocols to meet the requirements of "Handbook to Support the Installation Restoration Program (IRP) Statements of Work," May 1991 and as described in the Sampling and Analysis Plan (SAP) for the 2B field program at Kirtland Air Force Base.

2) A wide-bore capillary ("megabore") column was used for the volatile analyses. The response factor for the ortho-xylene isomers was used for the quantitation of all xylene isomers detected on the capillary column because the meta-and para-isomers of xylene colute.

3) The reference spectra for acetone in the continuing calibration standards contain ions from extraneous compounds. For each positive identification of the analyte, a Wiley library reference spectrum was provided.

4) Some of the mass spectra submitted contained the ions with m/z:40 and 44 which are componets of air. These additional ions did not interfere with the identification of the compounds.

5) The date received on the Form I represents the date sampled, not the date the sample was received at the laboratory.

6) The laboratory control standard and laboratory control standard duplicate are denoted with the blank name followed by the suffix, MS or MSD. For example, the blank name may be BVLKEK, therefore the LCs would be named VBLKEKMS.

7) The secondary ion m/z:58 was used to quantitate acetone. This ion was used because of suspected interference from isopropyl alcohol. Acetone and isopropyl alcohol share the common ion m/z:43.

8) The 0.000 for the minimum response factor and the **** for the percent difference on the 7 indicate that criteria are not available for the compound.

9) 2-chloroethyl vinyl ether was not detected in the 5-point initial calibration standards analyzed on 4/5/94 on GCMSC. This compound was also not detected in the continuing, calibration analyzed on GCMSC on 4/6/94 at 1511 and in VBLKCQMS/MSD and BVLKCRMS/MSD both of which are LCS/LCSD pairs.

10) For the soil samples analyzed on instrument GCMSC, 10 ml of water was added during purging. This does not effect the concentration of the analytes.

11) In some of the blanks and samples 1,1,1,trichlor-1,1,2-trifluoroethane (Freon-113) coelutes with acetone. The compound toluene coelutes with the surrogate toluene-D8 as seen in the spectrum. Similarly, chlorobenzene coelutes with chlorobenzene-D5.

12) After acquiring the 5-point initial calibration curve on 4/9/94 on instrument GCMSE, sufficient time remained in the 12-hour tune to analyze samples. Therefore, the average response factors were used to quanitate the associated data.

13) The equipment blank EB226032994 (Laboratory No. P268356) and the trip blank TB01032994 (Laboratory NO. P268370) were analyzed in a heated purge using the low-level soil method.

14) Entry #4 on the GC/MS quantitation report raw data should be 1,2-dichloroethane-d4 (secondary ion) instead of 1,2-dichloroethene d4 (secondary ion).

CASE COMMENTS
AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST226
DIESEL RANGE ORGANICS

CASE COMMENTS
AIR FORCE IRP
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST226
DIESEL RANGE ORGANICS

1) The samples in this data package were analyzed by protocols that are to meet the requirements of "Handbook to Support the Installation Restoration Program (IRP) Statements of Work", May 1991 and any project-specific requirements. The requirements for analysis and reporting are specified in the laboratory quality assurance plan for AFCEE as modified by the Sampling and Analysis Plan.

2) Diesel range organics (DRO) analyses were conducted by extracting one liter of an aqueous sample or 30 grams of a soil sample with methylene chloride. The resulting extracts were concentrated to 1 mL and analyzed by chromatography. A Hewlett-Packard 5890 gas chromatograph fitted with a 30 meter, 0.53 mm ID RTX-5 (megabore) capillary column, and equipped with a flame ionization detector was used to complete sample analyses.

3) A 5-point calibration was performed for DRO analysis using a ten-component standard mix. For each level of calibration, the areas observed for the peaks were summed. The sum of the peaks for each concentration level was plotted against the concentration (ug/L). Sample concentrations were determined from the plot labelled "DRO" by comparing the total area observed for component peaks eluting between the retention times of decane and octacosane to the corresponding concentration from the calibration curve (in ug/L). The surrogate standard, n-pentacosane, elutes withing the DRO window. The area of n-pentacosane is subtracted from the total area observed for calibration standards and samples.

4) CLP reporting forms were used, although CLP protocols were not followed for sample analysis

5) The "date received" that appears on Form 1 is actually the date of sample collection.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST227
GASOLINE RANGE ORGANICS DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST227
GASOLINE RANGE ORGANICS (GRO)

1) Gasoline range organics analyses (GRO) were conducted by purging 5 mL of water or 5 grams of soil with an inert gas. The purged contaminants were trapped and thermally desorbed onto a 105 meter, 502.2 chromatography column installed in a Varian 3700 gas chromatograph. The gas chromatograph was equipped with a flame ionization detector.

3) A 5-point calibration was performed for GRO using a sample of regular unleaded gasoline. For each level of calibration, the areas observed for the peaks were summed. The sum of the peaks eluting between the retention times of 2-methylpentane and 1,2,4-trimethylbenzene from each calibration level was plotted against the concentration (µg/mL). If the correlation coefficient (r) ≥ 0.995 or the determination coefficient (R^2) >0.990, the calibration is linear. Reasonable quadratic curves may be used when the calibration is not linear. Sample concentrations were determined from the plot labelled "GASOLINE" by comparing the total area observed for component peaks eluting between the retention times of 2-methylpentane and 1,2,4-trimethylbenzene to the corresponding concentration (amount) in µg/L or µg/Kg. The surrogate standard α,α,α-trifluorotoluene, elutes within the GRO window. Its area is subtracted from the total area observed.

For Waters:

$$DRO\ (\mu g\ /L) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the volume of sample extracted in liters.
DF = the dilution factor.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST227
SEMIVOLATILES DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST227
SEMIVOLATILES

1) The samples in this package were analyzed by protocols to meet the requirements of the Air Force IRP/AFCEE as defined in "Handbook to Support the Installation Restoration Program (IRP) Statements of Work," May, 1991. These requirements are defined in the Sampling and Analysis Plan (SAP) as modified by any subsequent revisions.

2) The LCS/LCSD pair data were tabulated and reported as if they were MS/MSD. Each LCS/LCSD pair was given the name of the associated blank followed by either the MS (LCS) or MSD (LCSD) suffix. For example, water blank SBLKFG is associated with SBLKFGMS (LCS) and SBLKFGMSD.

3) Internal standard areas are reported for all sample analyses, but corrective action is required only if internal standard areas for a continuing calibration do not meet criteria a superfund in the SW-846 method.

4) The %D for the following continuing calibration compounds exceeded the 25% limit established for AFCEE protocol.

Instrument/Date and Time	Compound	%D
GCMSF 4/24/94 2051	2-methylnaphthelene	-27.3
GCMSF 4/24/94	dibenzofuran	-29.6

The continuing calibration considered acceptable since up to 4 compounds may exceed the 25% limit as long as they do not exceed 40%D or have an RF $\leq$0.010.

5) Lot #LA41854 of LCS/LCSD spiking solution obtained from Supelco, Inc. included several target analytes which were prepared in the cocktail at a concentration other than 100 µg/mL. For those compounds for which exceed 100 ± 5 µg/mL, concentrations were corrected and the corrected concentrations used to determine LCS/LCSD and MS/MSD recoveries.

6) Due to software limitations, a generalized Form 6 was used to report initial calibration results.

7) The "date received" on the Form 1s is actually the date of sample collection.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST227
INORGANIC DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST227
INORGANIC

1) The samples in this data package were analyzed by protocols that are to meet the requirements of "Handbook to Support the Installation Restoration Program (IRP) Statements of Work", May 1991 and any project-specific requirements. The requirements for analysis and reporting are specified in the laboratory quality assurance plan for AFCEE as modified by the Sampling and Analysis Plan.

2) CLP reporting forms were used even though CLP protocols are not required for the analyses. Data qualifiers, as specified in the table immediately following the Cover Page, are used on the reporting forms according to CLP requirements; although these requirements may not be specific to AFCEE reporting procedures.

3) The "date received" that appears on Form 1s is actually the date of sample collection.

4) AFCEE protocol requires duplicate laboratory control standards (LCS/LCSD) as a means of obtaining precision and accuracy on each batch. Therefore, the following CLP reporting forms were used to report LCS/LCSD data.

   - Form 6 (one each) for RPDs for MS/MSD and LCS/LCSD.
   - Form 7 (two) for recoveries for LCS/LCSD.

5) A CRDL standard was analyzed for all required analytes. As recovery limits have not been established for the CRDL standard, the results, as obtained, are reported on Form 2B. No corrective action is required for high or low recovery situations. Percent recovery calculations are performed on the actual value, even if found to be below the IDL.

6) Times of analysis for instruments that do not provide this information (MAS50B) are estimated on Form 14 (Analytical Run Log).

7) Analyte field size restrictions resulted in Molybdenum being truncated to "Molybdenu" on the reporting forms.

8) The laboratory has procured and used a new LCS material (ERA Lot 219) with the soil samples in this SDG. The new material is physically different than previous solid LCS material and, consequently, yields recoveries for most metals substantially different than

the previously established, statistically-based, control limits. Therefore, default control limits provided by the manufacturer of the material, Environmental Resource Associates, are used. These limits are listed in Form 7 of the case. The default control limits are being used until new statistically-based control limits can be established for the new solid control material. With the exception of aluminum, all metals are yielding recoveries within the default range. Aluminum, yielding an average of 154% from preliminary evaluations of the material (eight separate analyses referred by NIST SRM 2710), is believed to be true and accurate for the NUS Laboratory due to the nature of the new LCS material. Aluminum results are, therefore, reported with this apparent discrepancy until new statistically-based limits can be established.

9) The fourth continuing calibration blank (CCB4) associated with ICP analysis performed 04/18/94 yielded an unacceptable value for antimony. However, none of the samples associated with this SDG are affected and no corrective action is required.

10) A quality control sample (MS/MSD) was not designated for the soil samples in this SDG, therefore data qualifiers do not appear on the reporting forms. However, the soil samples in this package were batched with samples from SDG ST231 in which a QC sample, 231-02-1317 (NUS sample P268572), was prepared. QC data on sample 231-02-1317 in package ST231 is available for use of data qualifiers and evaluation of sample results in this SDG. Additionally, the QC data on sample DF-02-040694 (NUS sample P269248) in package ST207 is available for data qualifiers and evaluation of results on the aqueous sample in this SDG.

11) While the laboratory control standard (LCS sample P270247) prepared with the aqueous sample, EB-227-033094, in this SDG yielded results for a few elements outside of their respective statistically-based control limits established by the laboratory, the data were accepted. The results for magnesium, molybdenum, and sodium on the LCS (vanadium was later determined to be in control) were accepted because their relative errors are less than the limits on process control variables which affect the outcome of the results. For example, the instrument calibration can be running high at just 105% (as evidenced by recoveries on continuing calibration standards, CCS) causing the LCS to recover at 105% and the calibration itself is still in control. However, the LCS, in this scenario, would have yielded unacceptable recoveries for magnesium and vanadium as their statistically-based upper control limits are 104% and 101%, respectively. Had the same calibration

been running at 95% (which is in control for the CCS) then the LCS would have yielded results in control at approximately 95% recovery for these elements. Consequently, the calibration process control variable can affect the outcome of the LCS results within this control window of 100 ± 10%. This is why the LCS recoveries of 104.9%, 101.7%, and 106.4% for magnesium, molybdenum, and sodium respectively, although out of control statistically, were accepted.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST228
DIESEL RANGE ORGANICS DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST228
DIESEL RANGE ORGANICS (DRO)

1) Diesel range organics (DRO) analyses were conducted by extracting 1 liter of water or 30 grams of soil with methylene chloride. The extracts were concentrated to 1 mL and analyzed by gas chromatography. A Hewlett-Packard 5890 gas chromatograph fitted with a 30 meter, 0.53 mm ID (megabore) RTX-5 capillary column and equipped with a flame ionization detector was used to complete the analyses.

2) A 5-point calibration was performed for DRO using a 10-component synthetic standard mix. For each level of calibration, the areas observed for the peaks were summed. The sum of the peaks from each calibration level was plotted against the concentration (µg/mL). If the correlation coefficient (r) >0.995 or the determination coefficient (R^2) >0.990, the calibration is linear. Reasonable quadratic curves may be used when the calibration is not linear. Sample concentrations were determined from the plot labelled "DRO" by comparing the total area observed for component peaks eluting between the retention times of decane and octacosane to the corresponding concentration (amount) in µg/mL. This value is then corrected for extract volume, the volume or weight of sample extracted and the dilution factor (if any). The surrogate standard, n-pentacosane, elutes within the DRO window. Its area is subtracted from the total area observed.

3) Sample concentrations were calculated using the following formulas:

For Soils:

$$DRO\ (\mu g\ /Kg) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the weight of the sample extracted in kilograms.
DF = the dilution factor.

For Waters:

$$DRO\ (\mu g\ /L)\ =\ \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the volume of sample extracted in liters.
DF = the dilution factor.

4) The DRO surrogate spiking solution was prepared at a concentration of 102 µg/L. The data system's percent recovery was set up based upon a spiking solution of 100 µg/mL. The surrogate recoveries reported on the forms 2E are correct and based upon the 102 µg/mL surrogate spiking solution. For soils, the n-pentacosane concentration was corrected from µg/L to µg/kg. For example, sample 228010510 (P273422) had an n-pentacosane concentration of 68.03 µg/L. Since the final volume of the extract is 1 mL, this can be expressed as 68.03 µg/mL. For a soil extract, then,

$$68.03\ \mu g/mL\ \times\ 1\ mL\ \times\ \frac{1}{0.030\ kg}\ =\ 2270\ \mu g/kg\ or\ 67\%\ recovery.$$

None of the surrogate recovery calculations were corrected for % moisture.

5) Percent moistures were not determined for soil blanks or soil LCS/LCSDs. No blank or LCS/LCSD data were corrected for percent moisture.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST228
SEMIVOLATILES DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST228
SEMIVOLATILES

1) The samples in this package were analyzed by protocols to meet the requirements of the Air Force IRP/AFCEE as defined in "Handbook to Support the Installation Restoration Program (IRP) Statements of Work," May, 1991. These requirements are defined in the Sampling and Analysis Plan (SAP) as modified by any subsequent revisions.

2) The LCS/LCSD pair data were tabulated and reported as if they were MS/MSD. Each LCS/LCSD pair was given the name of the associated blank followed by either the MS (LCS) or MSD (LCSD) suffix. For example, soil blank SBLKFN is associated with SBLKFNMS (LCS) and SBLKFNMSD.

3) Internal standard areas are reported for all sample analyses, but corrective action is required only if internal standard areas for a continuing calibration do not meet criteria a superfund in the SW-846 method.

4) No surrogate failures were noted.

The high surrogate recovery was probably due to improvements made in the analytical technique (frequent column cutting and changing of injection port lines). The observed surrogate recovery failure should have no adverse effect on the data.

5) The following compounds did not meet the 20.5% RSD criteria established for AFCEE protocol.

Instrument/Date and Time	Compound	% RSD
GCMSF/05-31-94, 17:31	Benzo(k)fluoranthene	22.6 *
GCMSF / 05-31-94, 17:31	3-Nitroaniline	31.1 **
	Diethylphthalate	26.0 **
	2,4-Dinitrophenol	21.8 **

* The initial calibration is valid, since up to 4 non-CCCs may exceed the %RSD criteria, provided that RSDs are ≤40%.

** Initial calibration is valid, since there are no maximum RSD limits for these compounds.

6) The following compounds did not meet the 25% D established for continuing calibrations for the AFCEE protocol:

Instrument/Date and Time	Compound	% RSD
GCMSF / 06-03-94, 13:34	2,4,5-Trichlorophenol	-34.6
	2,4-Dinitrotoluene	-28.1

The continuing calibration is valid, since up to four non-CCCs may exceed the 25% D criteria provided the RRF for these compounds are ≥0.01 and the %Ds are ≤40%/.

7) Lot #LA41854 of LCS/LCSD spiking solution obtained from Supelco, Inc. included several target analytes which were prepared in the cocktail at a concentration other than 100 µg/mL. For those compounds whose concentrations were determined to be different than 100 ± 5 µg/mL, their concentrations were corrected and the corrected concentrations were used to determine LCS/LCSD and MS/MSD recoveries.

8) Percent moistures were not determined for soil blanks and LCSs. The percent moisture field on the form 1s for these samples were left blank.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST228
INORGANIC DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST228
INORGANIC

1) The samples in this data package were analyzed by protocols that are to meet the requirements of "Handbook to Support the Installation Restoration Program (IRP) Statements of Work", May 1991 and any project-specific requirements. The requirements for analysis and reporting are specified in the laboratory quality assurance plan for AFCEE as modified by the Sampling and Analysis Plan.

2) CLP reporting forms were used even though CLP protocols are not required for the analyses. Data qualifiers, as specified in the table immediately following the Cover Page, are used on the reporting forms according to CLP requirements; although these requirements may not be specific to AFCEE reporting procedures.

3) The "date received" that appears on Form 1s is actually the date of sample collection.

4) AFCEE protocol requires duplicate laboratory control standards (LCS/LCSD) as a means of obtaining precision and accuracy on each batch. In addition, MS/MSD are required instead of duplicate/matrix spikes. Therefore, the following CLP reporting forms were used to report LCS/LCSD and MS/MSD data.

   - Two separate Form 5-As for recoveries for matrix spike and matrix spike duplicate.
   - Form 6 (one each) for RPDs for MS/MSD and LCS/LCSD.
   - Form 7 (two) for recoveries for LCS/LCSD.

5) The NUS Laboratory has recently revised the ICP and graphite furnace standard operating procedures in which a detection limit (CRDL) standard is no longer analyzed as a sample in each analysis run. Consequently, this data is not available on Form 2 (part 2). Alternatively, an additional low level PQL standard is used in the calibration of each instrument. The PQL standard is a requirement of the latest version of the Air Force IRP Handbook (September 1993). As with the detection limit standard used previously, the PQL calibration standard must be discernible from the blank.

6) Times of analysis for instruments that do not provide this information (MAS50B) are estimated on Form 14 (Analytical Run Log).

7) Analyte field size restrictions resulted in Molybdenum being truncated to "Molybdenu" on the reporting forms.

8) The laboratory has procured and used a new LCS material (ERA Lot 219) with the soil samples in this SDG. The new material is physically different than previous solid LCS material and, consequently, yields recoveries for most metals substantially different than the previously established, statistically-based, control limits. Therefore, default control limits provided by the manufacturer of the material, Environmental Resource Associates, are used. These limits are listed in Form 7 of the case. The default control limits are being used until new statistically-based control limits can be established for the new solid control material. With the exception of aluminum, all metals are yielding recoveries within the default range. Aluminum, yielding an average of 154% from preliminary evaluations of the material (eight separate analyses referred by NIST SRM 2710), is believed to be true and accurate for the NUS Laboratory due to the nature of the new LCS material. Aluminum results are, therefore, reported with this apparent discrepancy until new statistically-based limits can be established.

9) A quality control sample (MS/MSD) was not designated for this SDG. However, AFCEE sample 228-01-0510 (NUS sample P273422) was digested and analyzed as the solid QC sample for all metals, with the exception of mercury.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST229
DIESEL RANGE ORGANICS DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST229
DIESEL RANGE ORGANICS

1) Diesel range organics (DRO) analyses were conducted by extracting 1 liter of water or 30 grams of soil with methylene chloride. The extracts were concentrated to 1 mL and analyzed by gas chromatography. A Hewlett-Packard 5890 gas chromatograph fitted with a 30 meter, 0.53 mm ID (megabore) RTX-5 capillary column and equipped with a flame ionization detector was used to complete the analyses.

2) A 5-point calibration was performed for DRO using a 10-component synthetic standard mix. For each level of calibration, the areas observed for the peaks were summed. The sum of the peaks from each calibration level was plotted against the concentration (µg/mL). If the correlation coefficient (r) >0.995 or the determination coefficient (R^2) >0.990, the calibration is linear. Reasonable quadratic curves may be used when the calibration is not linear. Sample concentrations were determined from the plot labelled "DRO" by comparing the total area observed for component peaks eluting between the retention times of decane and octacosane to the corresponding concentration (amount) in µg/mL. This value is then corrected for extract volume, the volume or weight of sample extracted and the dilution factor (if any). The surrogate standard, n-pentacosane, elutes within the DRO window. Its area is subtracted from the total area observed.

3) Sample concentrations were calculated using the following formulas:

For Soils:

$$DRO\ (\mu g\ /Kg) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the weight of the sample extracted in kilograms.
DF = the dilution factor.

For Waters:

$$DRO\ (\mu g\ /L) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the volume of sample extracted in liters.
DF = the dilution factor.

4) The DRO surrogate spiking solution was prepared at a concentration of 102 µg/mL. The data system's percent recovery was set-up based upon a spiking solution of 100 µg/mL. The surrogate recoveries reported on the Forms 2E are correct and based upon the 102 µg/mL surrogate spiking solution. For soils, the n-pentacosane concentration was corrected from µg/L to µg/kg. For example, sample 224011418 (P272492) had an n-pentacosane concentration of 61.35 µg/L. Since the final volume of the extract is 1 mL, this can be expressed as 61.35 µg/mL. For a soil extract, then,

$$61.35\ \mu g/mL \times 1\ mL \times \frac{1}{0.030\ kg} = 2040\ \mu g/kg\ or\ 60\%\ recovery.$$

None of the surrogate recovery calculations were corrected for % moisture.

5) Percent moistures were not determined for soil blanks or soil LCS/LCSDs. No blank or LCS/LCSD data were corrected for percent moisture.

6) Due to an inadvertent oversight in the extraction laboratory, no LCSD was extracted for DRO waters on 5/26/94. The only associated samples were equipment blanks. The surrogate recovery in both samples were acceptable, as well as the associated LCS recovery. No adverse affect on the data quality is expected.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST229
SEMIVOLATILES DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST229
SEMIVOLATILES

1) The samples in this package were analyzed by protocols to meet the requirements of the Air Force IRP/AFCEE as defined in "Handbook to Support the Installation Restoration Program (IRP) Statements of Work," May, 1991. These requirements are defined in the Sampling and Analysis Plan (SAP) as modified by any subsequent revisions.

2) The LCS/LCSD pair data were tabulated and reported as if they were MS/MSD. Each LCS/LCSD pair was given the name of the associated blank followed by either the MS (LCS) or MSD (LCSD) suffix. For example, blank SBLKFG is associated with SBLKFGMS (LCS) and SBLKFGMSD.

3) Internal standard areas are reported for all sample analyses, but corrective action is required only if internal standard areas for a continuing calibration do not meet criteria a superfund in the SW-846 method.

4) The following surrogate failures were noted.

Sample #	Sample ID	Date/Time of Analysis	Instrument	Surrogate	% Recovery	Recovery Limits %
P27249MS	229012126MS	6-2-94/ 01:53	GCMSF	Nitrobenzene-d_5	90	54-86
P272494 MSD	229012126 MSD	6-2-94/ 02:34	GCMSF	Nitrobenzene-d_5	90	54-86

The high surrogate recoveries were probably due to improvements made in the analytical technique (frequent column cutting and changing of injection port lines). The observed surrogate recovery failure should have no adverse effect on the data.

5) The following compounds did not meet the 20.5% RSD criteria established for AFCEE protocol.

Instrument/Date and Time	Compound	% RSD
GCMSG / 5-23-94 / 12:06	Bis(2-chloroethyl)ether Benzo(k)fluoranthene Phenol-d_5	24.5 20.7 21.7
GCMSF / 5-31-94 / 17:31	Benzo(k)fluoranthene	22.6

The calibrations are still valid, since up to 4 non-CCCs may exceed the %RSD limit provided the %RSD for the compounds ≤40.0%.

6) The following compounds did not meet the 25% D established for continuing calibrations for the AFCEE protocol:

Instrument/Date and Time	Compound	%D
GCMSF / 6-1-94 / 11:57	4-Methylphenol	36.1
GCMSF / 6-2-94 / 11:06	2,4,5-Trichlorophenol 2,4-Dinitrotoluene	36.1 29.1
GCMSG / 6-3-94 / 11:02	2,6-Dinitrotoluene Hexachlorobeznene	35.2 28.2

The continuing calibrations are valid, since up to 4 non-CCCs may exceed the maximum %D, provided the RRF for these compounds are ≥0.010 and the %D are ≤40.0%.

7) Lot #LA41854 of LCS/LCSD spiking solution obtained from Supelco, Inc. included several target analytes which were prepared in the cocktail at a concentration other than 100 µg/mL. For those compounds whose concentrations were determined to be different than 100 ± 5 µg/mL, their concentrations were corrected and the corrected concentrations were used to determine LCS/LCSD and MS/MSD recoveries.

8) Percent moistures were not determined for soil blanks and LCS's. The percent moisture filed on the form 1s for these samples were left blank.

9) No water LCSD was extracted on 5/26/94 due to an inadvertent oversight by the extraction laboratory. The only associated sample was an equipment blank, EB229051194 (P272491). Nothing was detected in the sample, and the sample surrogate recoveries were acceptable. The associated LCS, SBLKFIMS, exhibited acceptable target available recoveries for 59 of 65 analytes. No adverse effect on the data is expected.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST229
INORGANIC DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST229
INORGANIC

1) The samples in this data package were analyzed by protocols that are to meet the requirements of "Handbook to Support the Installation Restoration Program (IRP) Statements of Work", May 1991 and any project-specific requirements. The requirements for analysis and reporting are specified in the laboratory quality assurance plan for AFCEE as modified by the Sampling and Analysis Plan.

2) CLP reporting forms were used even though CLP protocols are not required for the analyses. Data qualifiers, as specified in the table immediately following the Cover Page, are used on the reporting forms according to CLP requirements; although these requirements may not be specific to AFCEE reporting procedures.

3) The "date received" that appears on Form 1s is actually the date of sample collection.

4) AFCEE protocol requires duplicate laboratory control standards (LCS/LCSD) as a means of obtaining precision and accuracy on each batch. In addition, MS/MSD are required instead of duplicate/matrix spikes. Therefore, the following CLP reporting forms were used to report LCS/LCSD and MS/MSD data.

   - Two separate Form 5-As for recoveries for matrix spike and matrix spike duplicate.
   - Form 6 (one each) for RPDs for MS/MSD and LCS/LCSD.
   - Form 7 (two) for recoveries for LCS/LCSD.

5) The NUS Laboratory has recently revised the ICP and graphite furnace standard operating procedures in which a detection limit standard is no longer analyzed as a sample in each analysis run. Consequently, this data is not available on Form 2 (part 2). Alternatively, an additional low level PQL standard is used in the calibration of each instrument. The PQL standard is a requirement of the latest version of the Air Force IRP Handbook (September 1993). As with the detection limit standard used previously, the PQL calibration standard must be discernible from the blank.

6) Times of analysis for instruments that do not provide this information (MAS50B) are estimated on Form 14 (Analytical Run Log).

7) Analyte field size restrictions resulted in Molybdenum being truncated to "Molybdenu" on the reporting forms.

8) The laboratory has procured and used a new LCS material (ERA Lot 219) with the soil samples in this SDG. The new material is physically different than previous solid LCS material and, consequently, yields recoveries for most metals substantially different than the previously established, statistically-based, control limits. Therefore, default control limits provided by the manufacturer of the material, Environmental Resource Associates, are used. These limits are listed in Form 7 of the case. The default control limits are being used until new statistically-based control limits can be established for the new solid control material. With the exception of aluminum, all metals are yielding recoveries within the default range. Aluminum, yielding an average of 154% from preliminary evaluations of the material (eight separate analyses referred by NIST SRM 2710), is believed to be true and accurate for the NUS Laboratory due to the nature of the new LCS material. Aluminum results are, therefore, reported with this apparent discrepancy until new statistically-based limits can be established.

9) A quality control sample (MS/MSD) was not designated for the samples in this SDG. However, AFCEE sample EB-229-051194 (NUS sample P272491) was digested and analyzed as the aqueous QC sample for all metals, with the exception of mercury. AFCEE sample EB-229-051394 (NUS sample P273063) was also used for aqueous QC analysis for all metals. AFCEE sample 229-012126 (NUS sample P272494) was prepared and analyzed as the solid QC sample for all metals.

10) Sample EB-229-051194 (NUS sample P272491) was inadvertently analyzed out of the 13 day holding time.

11) Analysis of sample EB-229-051194 (NUS sample P272491) from the original preparation batch 26336 revealed that the QC (MS/MSD) samples were not spiked. Consequently, the QC sample was reprepared in batch 26517 and the reprep sample analyzed. None of the original analyses on batch 26336 for sample EB-229-051194 are available in the package as the data was unusable.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: 229RE
SEMIVOLATILES DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: 229RE
SEMIVOLATILES

1) The samples in this package were analyzed by protocols to meet the requirements of the Air Force IRP/AFCEE as defined in "Handbook to Support the Installation Restoration Program (IRP) Statements of Work," May, 1991. These requirements are defined in the Sampling and Analysis Plan (SAP) as modified by any subsequent revisions.

2) The LCS/LCSD pair data were tabulated and reported as if they were MS/MSD. Each LCS/LCSD pair was given the name of the associated blank followed by either the MS (LCS) or MSD (LCSD) suffix. For example, soil blank SBLKGN is associated with SBLKGNMS (LCS) and SBLKGNMSD (LCSD).

3) Internal standard areas are reported for all sample analyses, but corrective action is required only if internal standard areas for a continuing calibration do not meet criteria as specified in the SW-846 methods.

4) No surrogate failures were noted.

5) The following compounds did not meet the 20.5% RSD criteria established for initial calibrations for the AFCEE protocol.

Instrument/Date and Time	Compound	% RSD
GCMSG / 7-22-94 / 11:02	Benzo(k)fluoranthene	23.3

The initial calibration is valid, since up to 4 non-CCCs may exceed the %RSD criteria.

6) The following compounds did not meet the 25% D criteria established for continuing calibrations for the AFCEE protocol:

Instrument/Date and Time	Compound	%D
GCMSG / 7-20-94 / 22:47	Hexachlorobutadiene	-35.1

The LCS/LCSD recoveries for this compound were acceptable. There should be no adverse affect on the data.

7) Lot #LA41854 of LCS/LCSD spiking solution obtained from Supelco, Inc. included several target analytes which were prepared in the cocktail at a concentration other than 100 µg/mL. For those compounds whose concentrations were determined to be different than 100 ± 5 µg/mL, their concentrations were corrected and the corrected concentrations were used to determine LCS/LCSD and MS/MSD recoveries.

8) Percent moistures were not determined for soil blanks and LCS's. The percent moisture field on the form 1s for these samples were left blank.

9) The following samples were not assigned pH analysis.

Sample No.	Sample ID
P278813	(229-06-1416)
P278814	(229-99-1416)
P278815	(229-06-2123)

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: 229RE
INORGANIC DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: 229RE
INORGANIC

1) The samples in this data package were analyzed by protocols that are to meet the requirements of "Handbook to Support the Installation Restoration Program (IRP) Statements of Work", May 1991 and any project-specific requirements. The requirements for analysis and reporting are specified in the laboratory quality assurance plan for AFCEE as modified by the Sampling and Analysis Plan.

2) CLP reporting forms were used even though CLP protocols are not required for the analyses. Data qualifiers, as specified in the table immediately following the Cover Page, are used on the reporting forms according to CLP requirements; although these requirements may not be specific to AFCEE reporting procedures.

3) The "date received" that appears on Form 1s is actually the date of sample collection.

4) AFCEE protocol requires duplicate laboratory control standards (LCS/LCSD) as a means of obtaining precision and accuracy on each batch. In addition, MS/MSD are required instead of duplicate/matrix spikes. Therefore, the following CLP reporting forms were used to report LCS/LCSD and MS/MSD data.

   - Two separate Form 5-As for recoveries for matrix spike and matrix spike duplicate.
   - Form 6 (one each) for RPDs for MS/MSD and LCS/LCSD.
   - Form 7 (two) for recoveries for LCS/LCSD.

5) The NUS Laboratory has recently revised the ICP and graphite furnace standard operating procedures in which a detection limit standard is no longer analyzed as a sample in each analysis run. Consequently, this data is not available on Form 2 (part 2). Alternatively, an additional low level PQL standard is used in the calibration of each instrument. The PQL standard is a requirement of the latest version of the Air Force IRP Handbook (September 1993). As with the detection limit standard used previously, the PQL calibration standard must be discernible from the blank.

6) Times of analysis for instruments that do not provide this information (MAS50B) are estimated on Form 14 (Analytical Run Log).

7) Analyte field size restrictions resulted in Molybdenum being truncated to "Molybdenu" on the reporting forms.

8) A quality control sample (MS/MSD) was not designated for the samples in this SDG. However, AFCEE sample 229-06-2830 (NUS sample P278816) was digested and analyzed as the QC sample for all elements except mercury.

9) The QC (MS/MSD) sample 229-06-2830 (NUS sample P278816) yielded unacceptable precision and poor spike recoveries for copper and zinc from preparation batch 27405. Although these are trace elements in the soil and probably heterogenous throughout, the sample was reprepared in batch 27606 and reanalyzed for copper and zinc on 07/25/94. Reanalyses yielded improved precision for both metals, however the spike recovery for copper was still quite poor. This is believed to be due to the heterogeneity of this element throughout the soil rather than a matrix effect.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: 229RE
DIESEL RANGE ORGANICS DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: 229RE
DIESEL RANGE ORGANICS

1) Diesel range organics (DRO) analyses were conducted by extracting 1 liter of water or 30 grams of soil with methylene chloride. The extracts were concentrated to 1 mL and analyzed by gas chromatography. A Hewlett-Packard 5890 gas chromatograph fitted with a 30 meter, 0.53 mm ID (megabore) RTX-5 capillary column and equipped with a flame ionization detector was used to complete the analyses.

2) A 5-point calibration was performed for DRO using a 10-component synthetic standard mix. For each level of calibration, the areas observed for the peaks were summed. The sum of the peaks from each calibration level was plotted against the concentration (µg/mL). If the correlation coefficient (r) >0.995 or the determination coefficient (R^2) >0.990, the calibration is linear. Reasonable quadratic curves may be used when the calibration is not linear. Sample concentrations were determined from the plot labelled "DRO" by comparing the total area observed for component peaks eluting between the retention times of decane and octacosane to the corresponding concentration (amount) in µg/mL. This value is then corrected for extract volume, the volume or weight of sample extracted and the dilution factor (if any). The surrogate standard, n-pentacosane, elutes within the DRO window. Its area is subtracted from the total area observed.

3) Sample concentrations were calculated using the following formulas:

For Soils:

$$DRO\ (\mu g\ /Kg) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the weight of the sample extracted in kilograms.
DF = the dilution factor.

For Waters:

$$DRO\ (\mu g\ /L) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the volume of sample extracted in liters.
DF = the dilution factor.

4) None of the surrogate recovery calculations were corrected for percent moisture.

5) Percent moistures were not determined for soil blanks or soil LCS/LCSDs. No blank or LCS/LCSD data were corrected for percent moisture.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: 229RE
GASOLINE RANGE ORGANICS DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: 229RE
GASOLINE RANGE ORGANICS

1) Gasoline range organics analyses (GRO) were conducted by purging 5 mL of water or 5 grams of soil with an inert gas. The purged contaminants were trapped and thermally desorbed onto a 105 meter 502.2 chromatography column installed in a Varian 3700 gas chromatograph. The gas chromatograph was equipped with a flame ionization detector.

2) A 5-point calibration was performed for GRO using a sample of regular unleaded gasoline. For each level of calibration, the areas observed for the peaks were summed. The sum of the peaks eluting between the retention times of 2-methylpentane and 1,2,4-trimethylbenzene from each calibration level was plotted against the concentration (µg/mL). If the correlation coefficient (r) >0.995 or the determination coefficient (R^2) >0.990, the calibration is linear. Reasonable quadratic curves may be used when the calibration is not linear. Sample concentrations were determined from the plot labelled "GASOLINE" by comparing the total area observed for component peaks eluting between the retention times of 2-methylpentane and 1,2,4-trimethylbenzene to the corresponding concentration (amount) in µg/L or µg/Kg. The surrogate standard, a,a,a-trifluorotoluene, elutes within the GRO window. Its area is subtracted from the total area observed.

3) None of the surrogate recovery calculations were corrected for percent moisture.

4) Percent moistures were not determined for soil blanks or soil LCS/LCSDs. No blank or LCS/LCSD data were corrected for percent moisture.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST230
GASOLINE RANGE ORGANICS DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST230
GASOLINE RANGE ORGANICS (GRO)

1) The sample in this data package was analyzed by protocols that are to meet the requirements of "Handbook to Support the Installation Restoration Program (IRP) Statements of Work", May 1991 and any project-specific requirements. The requirements for analysis and reporting are specified in the laboratory quality assurance plan for AFCEE as modified by the Sampling and Analysis Plan.

2) Gasoline range organics (GRO) analyses were conducted by purging 5 mL of water or 5 grams of a soil with an inert gas. The purged contaminants were trapped and thermally desorbed onto a 105 meter, 502.2 chromatography column installed in a Varian 3700 gas chromatograph. The gas chromatograph was equipped with a flame ionization detector.

3) A 5-point calibration was performed for GRO using a sample of regular unleaded gasoline. For each level of calibration, the areas observed for the peaks were summed. The sum of the peaks eluting between the retention times of 2-methylpentane and 1,2,4-trimethylbenzene from each calibration level was plotted against the concentration (µg/L or µg/kg). If the correlation coefficient (r) ≥ 0.995 or the determination coefficient (R^2) ≥ 0.990, the calibration is linear. Reasonable quadratic curves may be used when the calibration is not linear. Sample concentrations were determined from the plot labelled "GASOLINE" by comparing the total area observed for component peaks eluting between the retention times of 2-methylpentane and 1,2,4-trimethylbenzene to the corresponding concentration (amount) in µg/L or µg/Kg. The surrogate standard α,α,α-trifluorotoluene, elutes within the GRO window. Its area is subtracted from the total area observed.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST230
DIESEL RANGE ORGANICS DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST230
DIESEL RANGE ORGANICS (DRO)

1) Diesel range organics (DRO) analyses were conducted by extracting 1 liter of water or 30 grams of soil with methylene chloride. The extracts were concentrated to 1 mL and analyzed by gas chromatography. A Hewlett-Packard 5890 gas chromatograph fitted with a 30 meter, 0.53 mm ID (megabore) RTX-5 capillary column and equipped with a flame ionization detector was used to complete the analyses.

2) A 5-point calibration was performed for DRO using a 10-component synthetic standard mix. For each level of calibration, the areas observed for the peaks were summed. The sum of the peaks from each calibration level was plotted against the concentration (µg/mL). If the correlation coefficient (r) >0.995 or the determination coefficient (R^2) >0.990, the calibration is linear. Reasonable quadratic curves may be used when the calibration is not linear. Sample concentrations were determined from the plot labelled "DRO" by comparing the total area observed for component peaks eluting between the retention times of decane and octacosane to the corresponding concentration (amount) in µg/mL. This value is then corrected for extract volume, the volume or weight of sample extracted and the dilution factor (if any). The surrogate standard, n-pentacosane, elutes within the DRO window. Its area is subtracted from the total area observed.

3) Sample concentrations were calculated using the following formulas:

For Soils:

$$DRO\ (\mu g\ /Kg) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the weight of the sample extracted in kilograms.
DF = the dilution factor.

For Waters:

$$DRO\ (\mu g\ /L) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the volume of sample extracted in liters.
DF = the dilution factor.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST230
INORGANIC DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST230
INORGANIC

1) The samples in this data package were analyzed by protocols that are to meet the requirements of "Handbook to Support the Installation Restoration Program (IRP) Statements of Work", May 1991 and any project-specific requirements. The requirements for analysis and reporting are specified in the laboratory quality assurance plan for AFCEE as modified by the Sampling and Analysis Plan.

2) CLP reporting forms were used even though CLP protocols are not required for the analyses. Data qualifiers, as specified in the table immediately following the Cover Page, are used on the reporting forms according to CLP requirements; although these requirements may not be specific to AFCEE reporting procedures.

3) The "date received" that appears on Form 1s is actually the date of sample collection.

4) AFCEE protocol requires duplicate laboratory control standards (LCS/LCSD) as a means of obtaining precision and accuracy on each batch. Therefore, the following CLP reporting forms were used to report LCS/LCSD data.

   - Form 6 (one each) for RPDs for MS/MSD and LCS/LCSD.
   - Form 7 (two) for recoveries for LCS/LCSD.

5) A CRDL standard was analyzed for all required analytes. As recovery limits have not been established for the CRDL standard, the results, as obtained, are reported on Form 2B. No corrective action is required for high or low recovery situations. Percent recovery calculations are performed on the actual value, even if found to be below the IDL.

6) Times of analysis for instruments that do not provide this information (MAS50B) are estimated on Form 14 (Analytical Run Log).

7) Analyte field size restrictions resulted in Molybdenum being truncated to "Molybdenu" on the reporting forms.

8) The laboratory has procured and used a new LCS material (ERA Lot 219) with the soil samples in this SDG. The new material is physically different than previous solid LCS material and, consequently, yields recoveries for most metals substantially different than

the previously established, statistically-based, control limits. Therefore, default control limits provided by the manufacturer of the material, Environmental Resource Associates, are used. These limits are listed in Form 7 of the case. The default control limits are being used until new statistically-based control limits can be established for the new solid control material. With the exception of aluminum, all metals are yielding recoveries within the default range. Aluminum, yielding an average of 154% from preliminary evaluations of the material (eight separate analyses referred by NIST SRM 2710), is believed to be true and accurate for the NUS Laboratory due to the nature of the new LCS material. Aluminum results are, therefore, reported with this apparent discrepancy until new statistically-based limits can be established.

9) The fourth continuing calibration blank (CCB4) associated with ICP analysis performed 04/18/94 yielded an unacceptable value for antimony. However, none of the samples associated with this SDG are affected and no corrective action is required.

10) A quality control sample (MS/MSD) was not designated for the soil samples in this SDG, therefore data qualifiers do not appear on the reporting forms. However, the samples were batched with other Kirtland soils form SDG ST231 from which a QC sample, 231-02-1317 in package ST231 is available for use of data qualifiers and evaluation of results on soils in this SDG. Additionally, the QC data on sample DF-02-040694 (NUS sample P269248) is available in package ST207 for data qualifiers and evaluation of results on the aqueous sample in this SDG.

11) While the laboratory control standard (LCS sample P270247) prepared with the aqueous sample, EB-227-033094, in this SDG yielded results for a few elements outside of their respective statistically-based control limits established by the laboratory, the data were accepted. The results for magnesium, molybdenum, and sodium on the LCS (vanadium was later determined to be in control) were accepted because their relative errors are less than the limits on process control variables which affect the outcome of the results. For example, the instrument calibration can be running high at just 105% (as evidenced by recoveries on continuing calibration standards, CCS) causing the LCS to recover at 105% and the calibration itself is still in control. However, the LCS, in this scenario, would have yielded unacceptable recoveries for magnesium and vanadium as their statistically-based upper control limits are 104% and 101%, respectively. Had the same calibration been running at 95% (which is in control for the CCS) then the LCS would have yielded

results in control at approximately 95% recovery for these elements. Consequently, the calibration process control variable can affect the outcome of the LCS results within this control window of 100 ± 10%. This is why the LCS recoveries of 104.9%, 101.7%, and 106.4% for magnesium, molybdenum, and sodium respectively, although out of control statistically, were accepted.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST230
SEMIVOLATILES

CASE COMMENTS
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST230
SEMIVOLATILES

1) The samples in this package were analyzed by protocol to meet the requirements of the Air Force IRP/AFCEE as defined in "Handbook to Support the Installation Restoration Program (IRP) Statements of Work," May, 1991. These requirements are defined in the Sampling and Analysis Plan (SAP) as modified by any subsequent revision.

2) The LCS/LCSD pair data were tabulated and reported as if they were MS/MSD. Each LCS/LCSD pair was given the name of the associated blank followed by either the MS (LCS) or MSD (LCSD) suffix. For example, water blank SBLKFK is associated with SBLKFKMS (LCS) and SBLKFKMSD.

3) Internal standard areas are reported for all sample analyses, but corrective action is required only if internal standard areas for a continuing calibration do not meet criteria as specified in the SW-846 method.

4) Lot #LA41854 of LCS/LCSD spiking solution obtained from Supelco, Inc. included several target analytes which were prepared in the cocktail at a concentration other than 100 µg/mL. For those compounds for which concentrations were determined to exceed 100 ± 5 µg/mL, concentrations were corrected to determine LCS/LCSD and MS/MSD recoveries.

5) Due to software limitations, a generalized Form 6 was used to report initial calibration results.

6) The "date received" on the Form 1s actually represents the date that the samples were collected.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST231
SEMIVOLATILES

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST231
SEMIVOLATILES

1) The samples in this package were analyzed by protocol to meet the requirements of the Air Force IRP/AFCEE as defined in "Handbook to Support the Installation Restoration Program (IRP) Statements of Work," May, 1991. These requirements are defined in the Sampling and Analysis Plan (SAP) as modified by any subsequent revision.

2) The LCS/LCSD pair data were tabulated and reported as if they were MS/MSD. Each LCS/LCSD pair was given the name of the associated blank followed by either the MS (LCS) or MSD (LCSD) suffix. For example, water blank SBLKFK is associated with SBLKFKMS (LCS) and SBLKFKMSD.

3) Internal standard areas are reported for all sample analyses, but corrective action is required only if internal standard areas for a continuing calibration do not meet criteria as specified in the SW-846 method.

4) Lot #LA41854 of LCS/LCSD spiking solution obtained from Supelco, Inc. included several target analytes which were prepared in the cocktail at a concentration other than 100 µg/mL. For those compounds for which concentrations were determined to exceed 100 ± 5 µg/mL, concentrations were corrected to determine LCS/LCSD and MS/MSD recoveries.

5) Due to software limitations, a generalized Form 6 was used to report initial calibration results.

6) The "date received" on the Form 1s actually represents the date that the samples were collected.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST231
INORGANIC DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST231
INORGANIC

1) The samples in this data package were analyzed by protocols that are to meet the requirements of "Handbook to Support the Installation Restoration Program (IRP) Statements of Work", May 1991 and any project-specific requirements. The requirements for analysis and reporting are specified in the laboratory quality assurance plan for AFCEE as modified by the Sampling and Analysis Plan.

2) CLP reporting forms were used even though CLP protocols are not required for the analyses. Data qualifiers, as specified in the table immediately following the Cover Page, are used on the reporting forms according to CLP requirements; although these requirements may not be specific to AFCEE reporting procedures.

3) The "date received" that appears on Form 1s is actually the date of sample collection.

4) AFCEE protocol requires duplicate laboratory control standards (LCS/LCSD) as a means of obtaining precision and accuracy on each batch. Therefore, the following CLP reporting forms were used to report LCS/LCSD data.

   - Form 6 (one each) for RPDs for MS/MSD and LCS/LCSD.
   - Form 7 (two) for recoveries for LCS/LCSD.

5) A CRDL standard was analyzed for all required analytes. As recovery limits have not been established for the CRDL standard, the results, as obtained, are reported on Form 2B. No corrective action is required for high or low recovery situations. Percent recovery calculations are performed on the actual value, even if found to be below the IDL.

6) Times of analysis for instruments that do not provide this information (MAS50B) are estimated on Form 14 (Analytical Run Log).

7) Analyte field size restrictions resulted in Molybdenum being truncated to "Molybdenu" on the reporting forms.

8) The laboratory has procured and used a new LCS material (ERA Lot 219) with the soil samples in this SDG. The new material is physically different than previous solid LCS material and, consequently, yields recoveries for most metals substantially different than

the previously established, statistically-based, control limits. Therefore, default control limits provided by the manufacturer of the material, Environmental Resource Associates, are used. These limits are listed in Form 7 of the case. The default control limits are being used until new statistically-based control limits can be established for the new solid control material. With the exception of aluminum, all metals are yielding recoveries within the default range. Aluminum, yielding an average of 154% from preliminary evaluations of the material (eight separate analyses referred by NIST SRM 2710), is believed to be true and accurate for the NUS Laboratory due to the nature of the new LCS material. Aluminum results are, therefore, reported with this apparent discrepancy until new statistically-based limits can be established.

9) The fourth continuing calibration blank associated with ICP analysis performed 04/18/94 yielded an unacceptable value for antimony. All affected samples were reanalyzed for antimony on 04/19/94.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST231
DIESEL RANGE ORGANICS DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST231
DIESEL RANGE ORGANICS (DRO)

1) Diesel range organics (DRO) analyses were conducted by extracting 1 liter of water or 30 grams of soil with methylene chloride. The extracts were concentrated to 1 mL and analyzed by gas chromatography. A Hewlett-Packard 5890 gas chromatograph fitted with a 30 meter, 0.53 mm ID (megabore) RTX-5 capillary column and equipped with a flame ionization detector was used to complete the analyses.

2) A 5-point calibration was performed for DRO using a 10-component synthetic standard mix. For each level of calibration, the areas observed for the peaks were summed. The sum of the peaks from each calibration level was plotted against the concentration (µg/mL). If the correlation coefficient (r) >0.995 or the determination coefficient (R^2) >0.990, the calibration is linear. Reasonable quadratic curves may be used when the calibration is not linear. Sample concentrations were determined from the plot labelled "DRO" by comparing the total area observed for component peaks eluting between the retention times of decane and octacosane to the corresponding concentration (amount) in µg/mL. This value is then corrected for extract volume, the volume or weight of sample extracted and the dilution factor (if any). The surrogate standard, n-pentacosane, elutes within the DRO window. Its area is subtracted from the total area observed.

3) Sample concentrations were calculated using the following formulas:

For Soils:

$$DRO\ (\mu g\ /Kg) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the weight of the sample extracted in kilograms.
DF = the dilution factor.

For Waters:

$$DRO\ (\mu g\ /L) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the volume of sample extracted in liters.
DF = the dilution factor.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST231
GASOLINE RANGE ORGANICS DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST231
GASOLINE RANGE ORGANICS (GRO)

1) The sample in this data package was analyzed by protocols that are to meet the requirements of "Handbook to Support the Installation Restoration Program (IRP) Statements of Work", May 1991 and any project-specific requirements. The requirements for analysis and reporting are specified in the laboratory quality assurance plan for AFCEE as modified by the Sampling and Analysis Plan.

2) Gasoline range organics (GRO) analyses were conducted by purging 5 mL of water or 5 grams of a soil with an inert gas. The purged contaminants were trapped and thermally desorbed onto a 105 meter, 502.2 chromatography column installed in a Varian 3700 gas chromatograph. The gas chromatograph was equipped with a flame ionization detector.

3) A 5-point calibration was performed for GRO using a sample of regular unleaded gasoline. For each level of calibration, the areas observed for the peaks were summed. The sum of the peaks eluting between the retention times of 2-methylpentane and 1,2,4-trimethylbenzene from each calibration level was plotted against the concentration (µg/L or µg/kg). If the correlation coefficient (r) $\geq$0.995 or the determination coefficient (R^2) $\geq$0.990, the calibration is linear. Reasonable quadratic curves may be used when the calibration is not linear. Sample concentrations were determined from the plot labelled "GASOLINE" by comparing the total area observed for component peaks eluting between the retention times of 2-methylpentane and 1,2,4-trimethylbenzene to the corresponding concentration (amount) in µg/L or µg/Kg. The surrogate standard α,α,α-trifluorotoluene, elutes within the GRO window. Its area is subtracted from the total area observed.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST232
GASOLINE RANGE ORGANICS DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST232
GASOLINE RANGE ORGANICS (GRO)

1) The sample in this data package was analyzed by protocols that are to meet the requirements of "Handbook to Support the Installation Restoration Program (IRP) Statements of Work", May 1991 and any project-specific requirements. The requirements for analysis and reporting are specified in the laboratory quality assurance plan for AFCEE as modified by the Sampling and Analysis Plan.

2) Gasoline range organics (GRO) analyses were conducted by purging 5 mL of water or 5 grams of a soil with an inert gas. The purged contaminants were trapped and thermally desorbed onto a 105 meter, 502.2 chromatography column installed in a Varian 3700 gas chromatograph. The gas chromatograph was equipped with a flame ionization detector.

3) A 5-point calibration was performed for GRO using a sample of regular unleaded gasoline. For each level of calibration, the areas observed for the peaks were summed. The sum of the peaks eluting between the retention times of 2-methylpentane and 1,2,4-trimethylbenzene from each calibration level was plotted against the concentration (µg/L or µg/kg). If the correlation coefficient (r) $\geq$0.995 or the determination coefficient (R^2) $\geq$0.990, the calibration is linear. Reasonable quadratic curves may be used when the calibration is not linear. Sample concentrations were determined from the plot labelled "GASOLINE" by comparing the total area observed for component peaks eluting between the retention times of 2-methylpentane and 1,2,4-trimethylbenzene to the corresponding concentration (amount) in µg/L or µg/Kg. The surrogate standard α,α,α-trifluorotoluene, elutes within the GRO window. Its area is subtracted from the total area observed.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST232
DIESEL RANGE ORGANICS DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST232
DIESEL RANGE ORGANICS (DRO)

1) Diesel range organics (DRO) analyses were conducted by extracting 1 liter of water or 30 grams of soil with methylene chloride. The extracts were concentrated to 1 mL and analyzed by gas chromatography. A Hewlett-Packard 5890 gas chromatograph fitted with a 30 meter, 0.53 mm ID (megabore) RTX-5 capillary column and equipped with a flame ionization detector was used to complete the analyses.

2) A 5-point calibration was performed for DRO using a 10-component synthetic standard mix. For each level of calibration, the areas observed for the peaks were summed. The sum of the peaks from each calibration level was plotted against the concentration (µg/mL). If the correlation coefficient (r) >0.995 or the determination coefficient (R^2) >0.990, the calibration is linear. Reasonable quadratic curves may be used when the calibration is not linear. Sample concentrations were determined from the plot labelled "DRO" by comparing the total area observed for component peaks eluting between the retention times of decane and octacosane to the corresponding concentration (amount) in µg/mL. This value is then corrected for extract volume, the volume or weight of sample extracted and the dilution factor (if any). The surrogate standard, n-pentacosane, elutes within the DRO window. Its area is subtracted from the total area observed.

3) Sample concentrations were calculated using the following formulas:

For Soils:

$$DRO\ (\mu g\ /Kg) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the weight of the sample extracted in kilograms.
DF = the dilution factor.

For Waters:

$$DRO\ (\mu g\ /L) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the volume of sample extracted in liters.
DF = the dilution factor.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST232
INORGANIC DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST232
INORGANIC

1) The samples in this data package were analyzed by protocols that are to meet the requirements of "Handbook to Support the Installation Restoration Program (IRP) Statements of Work", May 1991 and any project-specific requirements. The requirements for analysis and reporting are specified in the laboratory quality assurance plan for AFCEE as modified by the Sampling and Analysis Plan.

2) CLP reporting forms were used even though CLP protocols are not required for the analyses. Data qualifiers, as specified in the table immediately following the Cover Page, are used on the reporting forms according to CLP requirements; although these requirements may not be specific to AFCEE reporting procedures.

3) The "date received" that appears on Form 1s is actually the date of sample collection.

4) AFCEE protocol requires duplicate laboratory control standards (LCS/LCSD) as a means of obtaining precision and accuracy on each batch. Therefore, the following CLP reporting forms were used to report LCS/LCSD data.

   - Form 6 (one each) for RPDs for MS/MSD and LCS/LCSD.
   - Form 7 (two) for recoveries for LCS/LCSD.

5) A CRDL standard was analyzed for all required analytes. As recovery limits have not been established for the CRDL standard, the results, as obtained, are reported on Form 2B. No corrective action is required for high or low recovery situations. Percent recovery calculations are performed on the actual value, even if found to be below the IDL.

6) Times of analysis for instruments that do not provide this information (MAS50B) are estimated on Form 14 (Analytical Run Log).

7) Analyte field size restrictions resulted in Molybdenum being truncated to "Molybdenu" on the reporting forms.

8) The laboratory has procured and used a new LCS material (ERA Lot 219) with the soil samples in this SDG. The new material is physically different than previous solid LCS material and, consequently, yields recoveries for most metals substantially different than

the previously established, statistically-based, control limits. Therefore, default control limits provided by the manufacturer of the material, Environmental Resource Associates, are used. These limits are listed in Form 7 of the case. The default control limits are being used until new statistically-based control limits can be established for the new solid control material. With the exception of aluminum, all metals are yielding recoveries within the default range. Aluminum, yielding an average of 154% from preliminary evaluations of the material (eight separate analyses referred by NIST SRM 2710), is believed to be true and accurate for the NUS Laboratory due to the nature of the new LCS material. Aluminum results are, therefore, reported with this apparent discrepancy until new statistically-based limits can be established.

9) A quality control sample (MS/MSD) was not designated for the soil samples in this SDG, therefore data qualifiers do not appear on the reporting forms. However, the samples were batched with other Kirtland soils from which a QC sample, 231-99-0711 (NUS sample P268572), was prepared. QC data on sample 231-99-0711 in package ST231 is available for use of data qualifiers and evaluation of sample results in this SDG.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST232
SEMIVOLATILES

CASE COMMENTS
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST232
SEMIVOLATILES

1) The samples in this package were analyzed by protocol to meet the requirements of the Air Force IRP/AFCEE as defined in "Handbook to Support the Installation Restoration Program (IRP) Statements of Work," May, 1991. These requirements are defined in the Sampling and Analysis Plan (SAP) as modified by any subsequent revision.

2) The LCS/LCSD pair data were tabulated and reported as if they were MS/MSD. Each LCS/LCSD pair was given the name of the associated blank followed by either the MS (LCS) or MSD (LCSD) suffix. For example, water blank SBLKFK is associated with SBLKFKMS (LCS) and SBLKFKMSD.

3) Internal standard areas are reported for all sample analyses, but corrective action is required only if internal standard areas for a continuing calibration do not meet criteria as specified in the SW-846 method.

4) Lot #LA41854 of LCS/LCSD spiking solution obtained from Supelco, Inc. included several target analytes which were prepared in the cocktail at a concentration other than 100 µg/mL. For those compounds for which concentrations were determined to exceed 100 ± 5 µg/mL, concentrations were corrected to determine LCS/LCSD and MS/MSD recoveries.

5) Due to software limitations, a generalized Form 6 was used to report initial calibration results.

6) The "date received" on the Form 1s actually represents the date that the samples were collected.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST233
GASOLINE RANGE ORGANICS DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST227
GASOLINE RANGE ORGANICS (GRO)

1) The sample in this data package was analyzed by protocols that are to meet the requirements of "Handbook to Support the Installation Restoration Program (IRP) Statements of Work", May 1991 and any project-specific requirements. The requirements for analysis and reporting are specified in the laboratory quality assurance plan for AFCEE as modified by the Sampling and Analysis Plan.

2) Gasoline range organics (GRO) analyses were conducted by purging 5 mL of water or 5 grams of a soil with an inert gas. The purged contaminants were trapped and thermally desorbed onto a 105 meter, 502.2 chromatography column installed in a Varian 3700 gas chromatograph. The gas chromatograph was equipped with a flame ionization detector.

3) A 5-point calibration was performed for GRO using a sample of regular unleaded gasoline. For each level of calibration, the areas observed for the peaks were summed. The sum of the peaks eluting between the retention times of 2-methylpentane and 1,2,4-trimethylbenzene from each calibration level was plotted against the concentration (µg/L or µg/kg). If the correlation coefficient (r) ≥ 0.995 or the determination coefficient (R^2) ≥ 0.990, the calibration is linear. Reasonable quadratic curves may be used when the calibration is not linear. Sample concentrations were determined from the plot labelled "GASOLINE" by comparing the total area observed for component peaks eluting between the retention times of 2-methylpentane and 1,2,4-trimethylbenzene to the corresponding concentration (amount) in µg/L or µg/Kg. The surrogate standard α,α,α-trifluorotoluene, elutes within the GRO window. Its area is subtracted from the total area observed.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST233
DIESEL RANGE ORGANICS DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST233
DIESEL RANGE ORGANICS (DRO)

1) Diesel range organics (DRO) analyses were conducted by extracting 1 liter of water or 30 grams of soil with methylene chloride. The extracts were concentrated to 1 mL and analyzed by gas chromatography. A Hewlett-Packard 5890 gas chromatograph fitted with a 30 meter, 0.53 mm ID (megabore) RTX-5 capillary column and equipped with a flame ionization detector was used to complete the analyses.

2) A 5-point calibration was performed for DRO using a 10-component synthetic standard mix. For each level of calibration, the areas observed for the peaks were summed. The sum of the peaks from each calibration level was plotted against the concentration (µg/mL). If the correlation coefficient (r) >0.995 or the determination coefficient (R^2) >0.990, the calibration is linear. Reasonable quadratic curves may be used when the calibration is not linear. Sample concentrations were determined from the plot labelled "DRO" by comparing the total area observed for component peaks eluting between the retention times of decane and octacosane to the corresponding concentration (amount) in µg/mL. This value is then corrected for extract volume, the volume or weight of sample extracted and the dilution factor (if any). The surrogate standard, n-pentacosane, elutes within the DRO window. Its area is subtracted from the total area observed.

3) Sample concentrations were calculated using the following formulas:

For Soils:

$$DRO\ (\mu g\ /Kg) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the weight of the sample extracted in kilograms.
DF = the dilution factor.

For Waters:

$$DRO\ (\mu g\ /L) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the volume of sample extracted in liters.
DF = the dilution factor.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST233
SEMIVOLATILES DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST233
SEMIVOLATILES

1) The samples in this package were analyzed by protocols to meet the requirements of the Air Force IRP/AFCEE as defined in "Handbook to Support the Installation Restoration Program (IRP) Statements of Work," May, 1991. These requirements are defined in the Sampling and Analysis Plan (SAP) as modified by any subsequent revisions.

2) The LCS/LCSD pair data were tabulated and reported as if they were MS/MSD. Each LCS/LCSD pair was given the name of the associated blank followed by either the MS (LCS) or MSD (LCSD) suffix. For example, water blank SBLKFH is associated with SBLKFHMS (LCS) and SBLKFHMSD.

3) Internal standard areas are reported for all sample analyses, but corrective action is required only if internal standard areas for a continuing calibration do not meet criteria a superfund in the SW-846 method.

4) The %D for the following continuing calibration compounds exceeded the 25% limit established for AFCEE protocol.

Instrument/Date and Time	Compound	%D
GCMSF 4/24/94 2051	2-methylnaphthelene	-27.3
GCMSF 4/24/94	dibenzofuran	-29.6
GCMSDF 4/25/94 1350	2-methylpentone dibenzofuran	-26.9 -28.8

The continuing calibration considered acceptable since up to 4 compounds may exceed the 25% limit as long as they do not exceed 40%D or have an RF $\leq$0.010.

5) Lot #LA41854 of LCS/LCSD spiking solution obtained from Supelco, Inc. included several target analytes which were prepared in the cocktail at a concentration other than 100 µg/mL. For those compounds for which concentrations exceed 100 $\pm$ 5 µg/mL, concentrations were corrected and the corrected concentrations used to determine LCS/LCSD and MS/MSD recoveries.

6) Due to software limitations, a generalized Form 6 was used to report initial calibration results.

7) The "date received" on the Form 1s is actually the date of sample collection.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST233
INORGANIC DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST233
INORGANIC

1) The samples in this data package were analyzed by protocols that are to meet the requirements of "Handbook to Support the Installation Restoration Program (IRP) Statements of Work", May 1991 and any project-specific requirements. The requirements for analysis and reporting are specified in the laboratory quality assurance plan for AFCEE as modified by the Sampling and Analysis Plan.

2) CLP reporting forms were used even though CLP protocols are not required for the analyses. Data qualifiers, as specified in the table immediately following the Cover Page, are used on the reporting forms according to CLP requirements; although these requirements may not be specific to AFCEE reporting procedures.

3) The "date received" that appears on Form 1s is actually the date of sample collection.

4) AFCEE protocol requires duplicate laboratory control standards (LCS/LCSD) as a means of obtaining precision and accuracy on each batch. Therefore, the following CLP reporting forms were used to report LCS/LCSD data.

   - Form 6 (one each) for RPDs for MS/MSD and LCS/LCSD.
   - Form 7 (two) for recoveries for LCS/LCSD.

5) A CRDL standard was analyzed for all required analytes. As recovery limits have not been established for the CRDL standard, the results, as obtained, are reported on Form 2B. No corrective action is required for high or low recovery situations. Percent recovery calculations are performed on the actual value, even if found to be below the IDL.

6) Times of analysis for instruments that do not provide this information (MAS50B) are estimated on Form 14 (Analytical Run Log).

7) Analyte field size restrictions resulted in Molybdenum being truncated to "Molybdenu" on the reporting forms.

8) The laboratory has procured and used a new LCS material (ERA Lot 219) with the soil samples in this SDG. The new material is physically different than previous solid LCS material and, consequently, yields recoveries for most metals substantially different than

the previously established, statistically-based, control limits. Therefore, default control limits provided by the manufacturer of the material, Environmental Resource Associates, are used. These limits are listed in Form 7 of the case. The default control limits are being used until new statistically-based control limits can be established for the new solid control material. With the exception of aluminum, all metals are yielding recoveries within the default range. Aluminum, yielding an average of 154% from preliminary evaluations of the material (eight separate analyses referred by NIST SRM 2710), is believed to be true and accurate for the NUS Laboratory due to the nature of the new LCS material. Aluminum results are, therefore, reported with this apparent discrepancy until new statistically-based limits can be established.

9) The fourth continuing calibration blank (CCB4) associated with ICP analysis performed 04/18/94 yielded an unacceptable value for antimony. However, none of the samples associated with this SDG are affected and no corrective action is required.

10) A quality control sample (MS/MSD) was not designated for the soil samples in this SDG, therefore data qualifiers do not appear on the reporting forms. However, the samples were batched with other Kirtland soils from SDG ST231 from which a QC sample, 231-02-1317 (NUS sample P268572), was prepared. QC data on sample 231-02-1317 in pacakge ST231 is available for use of data qualifiers and evaluation of sample results in this SDG.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST234
DIESEL RANGE ORGANICS DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST234
DIESEL RANGE ORGANICS (DRO)

1) Diesel range organics (DRO) analyses were conducted by extracting 1 liter of water or 30 grams of soil with methylene chloride. The extracts were concentrated to 1 mL and analyzed by gas chromatography. A Hewlett-Packard 5890 gas chromatograph fitted with a 30 meter, 0.53 mm ID (megabore) RTX-5 capillary column and equipped with a flame ionization detector was used to complete the analyses.

2) A 5-point calibration was performed for DRO using a 10-component synthetic standard mix. For each level of calibration, the areas observed for the peaks were summed. The sum of the peaks from each calibration level was plotted against the concentration (µg/mL). If the correlation coefficient (r) >0.995 or the determination coefficient (R^2) >0.990, the calibration is linear. Reasonable quadratic curves may be used when the calibration is not linear. Sample concentrations were determined from the plot labelled "DRO" by comparing the total area observed for component peaks eluting between the retention times of decane and octacosane to the corresponding concentration (amount) in µg/mL. This value is then corrected for extract volume, the volume or weight of sample extracted and the dilution factor (if any). The surrogate standard, n-pentacosane, elutes within the DRO window. Its area is subtracted from the total area observed.

3) Sample concentrations were calculated using the following formulas:

For Soils:

$$DRO\ (\mu g\ /Kg) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the weight of the sample extracted in kilograms.
DF = the dilution factor.

For Waters:

$$DRO\ (\mu g\ /L) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the volume of sample extracted in liters.
DF = the dilution factor.

4) The DRO surrogate spiking solution was prepared at a concentration of 104 µg/mL. The data system's percent recovery was set-up based upon a spiking solution of 100 µg/mL. The surrogate recoveries reported on the form 2E are correct and based upon the 104 µg/mL surrogate spiking solution. For soils, the n-pentacosane concentration was corrected from µg/L to µg/kg. For example, sample 234010810 (P273341) had an n-pentacosane concentration of 100.75 µg/L. Since the final volume of the extract is 1 mL, this can be expressed on 100.75 µg/mL. For a soil extract, then,

$$100.75\ \mu g/mL \times 1\ mL \times \frac{1}{0.050\ kg} = 3360\ \mu g/kg\ or\ 97\%\ recovery.$$

None of the surrogate recovery calculations were corrected for % moisture.

5) Percent moistures were not determined for soil blanks or soil LCS/LCSDs. No blank or LCS/LCSD data were corrected for percent moisture.

6) A water LCSD was inadvertently omitted by the extraction laboratory on 5/26/94. The water sample associated with this package was an equipment blank. The water LCS recovery was acceptable and the sample extract surrogate recovery was also acceptable. There should be no adverse effect on the data due to the LCSD omission.

7) A water LCSD was inadvertently omitted by the extraction laboratory on 5/26/94. The LCS recovery was acceptable. The only water in this case was an equipment blank. Its surrogate recovery was within the acceptance limit. No adverse effect on the data is expected.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST234
SEMIVOLATILES DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST234
SEMIVOLATILES

1) The samples in this package were analyzed by protocols to meet the requirements of the Air Force IRP/AFCEE as defined in "Handbook to Support the Installation Restoration Program (IRP) Statements of Work," May, 1991. These requirements are defined in the Sampling and Analysis Plan (SAP) as modified by any subsequent revisions.

2) The LCS/LCSD pair data were tabulated and reported as if they were MS/MSD. Each LCS/LCSD pair was given the name of the associated blank followed by either the MS (LCS) or MSD (LCSD) suffix. For example, soil blank SBLKFQ is associated with SBLKFQMS (LCS) and SBLKFQMSD.

3) Internal standard areas are reported for all sample analyses, but corrective action is required only if internal standard areas for a continuing calibration do not meet criteria a superfund in the SW-846 method.

4) The following compounds did not meet the 20.5% RSD criteria established for AFCEE protocol.

Instrument/Date and Time	Compound	% RSD
GCMSF / 5-31-94 / 17:31	Benzo(k)fluoranthene	22.6

The %RSD for up to 4 of the remaining non-CCCs may exceed the maximum %RSD, provided the %RSD for these compounds are ≤40.0%.

5) The following compounds did not meet the 25% D established for continuing calibrations for the AFCEE protocol:

Instrument/Date and Time	Compound	%D
GCMSF / 6-1-94 / 11:57	4-Methylphenol	36.1
GCMSF / 6-7-94 / 01:02	2,4,5-Trichlorophenol	36.4

The %D for up to 4 of the remaining non-CCCs may exceed the maximum %D, provided the RRF for these compounds are ≥0.010 and the %D are ≤40.0%.

6) Lot #LA41854 of LCS/LCSD spiking solution obtained from Supelco, Inc. included several target analytes which were prepared in the cocktail at a concentration other than 100 µg/mL. For those compounds whose concentrations were determined to be different than 100 ± 5 µg/mL, their concentrations were corrected and the corrected concentrations were used to determine LCS/LCSD and MS/MSD recoveries.

7) Percent moistures were not determined for soil blanks and LCS's. The percent moisture filed on the form 1s for these samples were left blank.

8) A water LCSD was inadvertently omitted by the extraction laboratory on 5/26/94. The only sample associated with SBLKFI is an equipment blank EB234051894 (P273340). The sample surrogate recoveries were acceptable and the water LCS recoveries were within the acceptance limit. No adverse affect on the data is expected.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST234
INORGANIC DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST234
INORGANIC

1) The samples in this data package were analyzed by protocols that are to meet the requirements of "Handbook to Support the Installation Restoration Program (IRP) Statements of Work", May 1991 and any project-specific requirements. The requirements for analysis and reporting are specified in the laboratory quality assurance plan for AFCEE as modified by the Sampling and Analysis Plan.

2) CLP reporting forms were used even though CLP protocols are not required for the analyses. Data qualifiers, as specified in the table immediately following the Cover Page, are used on the reporting forms according to CLP requirements; although these requirements may not be specific to AFCEE reporting procedures.

3) The "date received" that appears on Form 1s is actually the date of sample collection.

4) AFCEE protocol requires duplicate laboratory control standards (LCS/LCSD) as a means of obtaining precision and accuracy on each batch. In addition, MS/MSD are required instead of duplicate/matrix spikes. Therefore, the following CLP reporting forms were used to report LCS/LCSD and MS/MSD data.

   - Two separate Form 5-As for recoveries for matrix spike and matrix spike duplicate.
   - Form 6 (one each) for RPDs for MS/MSD and LCS/LCSD.
   - Form 7 (two) for recoveries for LCS/LCSD.

5) The NUS Laboratory has recently revised the ICP and graphite furnace standard operating procedures in which a detection limit standard is no longer analyzed as a sample in each analysis run. Consequently, this data is not available on Form 2 (part 2). Alternatively, an additional low level PQL standard is used in the calibration of each instrument. The PQL standard is a requirement of the latest version of the Air Force IRP Handbook (September 1993). As with the detection limit standard used previously, the PQL calibration standard must be discernible from the blank.

6) Times of analysis for instruments that do not provide this information (MAS50B) are estimated on Form 14 (Analytical Run Log).

7) Analyte field size restrictions resulted in Molybdenum being truncated to "Molybdenu" on the reporting forms.

8) The laboratory has procured and used a new LCS material (ERA Lot 219) with the soil samples in this SDG. The new material is physically different than previous solid LCS material and, consequently, yields recoveries for most metals substantially different than the previously established, statistically-based, control limits. Therefore, default control limits provided by the manufacturer of the material, Environmental Resource Associates, are used. These limits are listed in Form 7 of the case. The default control limits are being used until new statistically-based control limits can be established for the new solid control material. With the exception of aluminum, all metals are yielding recoveries within the default range. Aluminum, yielding an average of 154% from preliminary evaluations of the material (eight separate analyses referred by NIST SRM 2710), is believed to be true and accurate for the NUS Laboratory due to the nature of the new LCS material. Aluminum results are, therefore, reported with this apparent discrepancy until new statistically-based limits can be established.

9) A quality control sample (MS/MSD) was not designated for the samples in this SDG. However, the AFCEE sample 234-04-1419 (NUS sample P273349) was digested and analyzed as the solid QC for all metals.

10) An LCSD was not prepared with the samples in preparation batch 26381 due to confusion over which version of AFCEE protocol was applicable. The September 1993 version of the Air Force IRP Handbook no longer requires an LCSD and this protocol has been implemented for some AFCEE samples in the laboratory. Consequently, this omission is not believed to jeopardize the data on the samples in this SDG that were prepared in batch 26381.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST235
DIESEL RANGE ORGANICS DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST235
DIESEL RANGE ORGANICS (DRO)

1) Diesel range organics (DRO) analyses were conducted by extracting 1 liter of water or 30 grams of soil with methylene chloride. The extracts were concentrated to 1 mL and analyzed by gas chromatography. A Hewlett-Packard 5890 gas chromatograph fitted with a 30 meter, 0.53 mm ID (megabore) RTX-5 capillary column and equipped with a flame ionization detector was used to complete the analyses.

2) A 5-point calibration was performed for DRO using a 10-component synthetic standard mix. For each level of calibration, the areas observed for the peaks were summed. The sum of the peaks from each calibration level was plotted against the concentration (µg/mL). If the correlation coefficient (r) >0.995 or the determination coefficient (R^2) >0.990, the calibration is linear. Reasonable quadratic curves may be used when the calibration is not linear. Sample concentrations were determined from the plot labelled "DRO" by comparing the total area observed for component peaks eluting between the retention times of decane and octacosane to the corresponding concentration (amount) in µg/mL. This value is then corrected for extract volume, the volume or weight of sample extracted and the dilution factor (if any). The surrogate standard, n-pentacosane, elutes within the DRO window. Its area is subtracted from the total area observed.

3) Sample concentrations were calculated using the following formulas:

For Soils:

$$DRO\ (\mu g\ /Kg) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the weight of the sample extracted in kilograms.
DF = the dilution factor.

For Waters:

$$DRO\ (\mu g\ /L) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the volume of sample extracted in liters.
DF = the dilution factor.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST235
SEMIVOLATILES DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST235
SEMIVOLATILES

1) The samples in this package were analyzed by protocols to meet the requirements of the Air Force IRP/AFCEE as defined in "Handbook to Support the Installation Restoration Program (IRP) Statements of Work," May, 1991. These requirements are defined in the Sampling and Analysis Plan (SAP) as modified by any subsequent revisions.

2) The LCS/LCSD pair data were tabulated and reported as if they were MS/MSD. Each LCS/LCSD pair was given the name of the associated blank followed by either the MS (LCS) or MSD (LCSD) suffix. For example, water blank SBLKFM is associated with SBLKFMMS (LCS) and SBLKFMMSD.

4) Internal standard areas are reported for all sample analyses, but corrective action is required only if internal standard areas for a continuing calibration do not meet criteria a superfund in the SW-846 method.

4) No surrogate failures were noted.

The high surrogate recoveries were probably due to improvements made in the analytical technique (more frequent column cutting and changing of injection port lines). The observed surrogate recovery failure should have no adverse effect on the data.

6) The following compounds did not meet the 20.5% RSD criteria established for AFCEE protocol.

Instrument/Date and Time	Compound	% RSD
GCMSF / 5-31-94, 1731	Benzo(k)fluoranthene	22.6

The initial calibration is valid, since up to 4 non-CCCs may exceed the %RSD criteria, provided their %RSDs are ≤40.0%.

7) The following compounds did not meet the 25%D established for continuing calibrations for the AFCEE protocol:

Instrument/Date and Time	Compound	%D
GCMSF / 6-3-94, 1334	2,4,5-Trichlorophenol 2,4-Dinitrotoluene	-34.6 -28.1

The continuing calibration is valid, since up to four non-CCCs may exceed the 25% D criteria, provided the RRF for these compounds are ≥0.010 and the %D are ≤40.0%.

8) Lot #LA41854 of LCS/LCSD spiking solution obtained from Supelco, Inc. included several target analytes which were prepared in the cocktail at a concentration other than 100 µg/mL. For those compounds whose concentrations were determined to be different than 100 ± 5 µg/mL, their concentrations were corrected and the corrected concentrations were used to determine LCS/LCSD and MS/MSD recoveries.

9) Percent moistures were not determined for soil blanks and LCSs. The percent moisture field on the form 1s for these samples were left blank.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST235
INORGANIC DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST235
INORGANIC

1) The samples in this data package were analyzed by protocols that are to meet the requirements of "Handbook to Support the Installation Restoration Program (IRP) Statements of Work", May 1991 and any project-specific requirements. The requirements for analysis and reporting are specified in the laboratory quality assurance plan for AFCEE as modified by the Sampling and Analysis Plan.

2) CLP reporting forms were used even though CLP protocols are not required for the analyses. Data qualifiers, as specified in the table immediately following the Cover Page, are used on the reporting forms according to CLP requirements; although these requirements may not be specific to AFCEE reporting procedures.

3) The "date received" that appears on Form 1s is actually the date of sample collection.

4) AFCEE protocol requires duplicate laboratory control standards (LCS/LCSD) as a means of obtaining precision and accuracy on each batch. In addition, MS/MSD are required instead of duplicate/matrix spikes. Therefore, the following CLP reporting forms were used to report LCS/LCSD and MS/MSD data.

   - Two separate Form 5-As for recoveries for matrix spike and matrix spike duplicate.
   - Form 6 (one each) for RPDs for MS/MSD and LCS/LCSD.
   - Form 7 (two) for recoveries for LCS/LCSD.

5) The NUS Laboratory has recently revised the ICP and graphite furnace standard operating procedures in which a detection limit standard is no longer analyzed as a sample in each analysis run. Consequently, this data is not available on Form 2 (part 2). Alternatively, an additional low level PQL standard is used in the calibration of each instrument. The PQL standard is a requirement of the latest version of the Air Force IRP Handbook (September 1993). As with the detection limit standard used previously, the PQL calibration standard must be discernible from the blank.

6) Times of analysis for instruments that do not provide this information (MAS50B) are estimated on Form 14 (Analytical Run Log).

7) Analyte field size restrictions resulted in Molybdenum being truncated to "Molybdenu" on the reporting forms.

8) The laboratory has procured and used a new LCS material (ERA Lot 219) with the soil samples in this SDG. The new material is physically different than previous solid LCS material and, consequently, yields recoveries for most metals substantially different than the previously established, statistically-based, control limits. Therefore, default control limits provided by the manufacturer of the material, Environmental Resource Associates, are used. These limits are listed in Form 7 of the case. The default control limits are being used until new statistically-based control limits can be established for the new solid control material. With the exception of aluminum, all metals are yielding recoveries within the default range. Aluminum, yielding an average of 154% from preliminary evaluations of the material (eight separate analyses referred by NIST SRM 2710), is believed to be true and accurate for the NUS Laboratory due to the nature of the new LCS material. Aluminum results are, therefore, reported with this apparent discrepancy until new statistically-based limits can be established.

9) A quality control sample (MS/MSD) was not designated for the samples in this SDG, therefore data qualifiers and QC Forms V and VI for samples do not appear in the package. However, the soils in this SDG were batched with other AFCEE samples from which a QC sample was prepared. QC data on sample 228-01-0510 (NUS sample P273422) is available in SDG ST228 for use of data qualifiers and evaluation of ICP results on soils in this package. QC results for mercury on soils are available on sample 234-04-1419 (NUS sample P273349) in SDG ST234.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST236
DIESEL RANGE ORGANICS DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST236
DIESEL RANGE ORGANICS (DRO)

1) Diesel range organics (DRO) analyses were conducted by extracting 1 liter of water or 30 grams of soil with methylene chloride. The extracts were concentrated to 1 mL and analyzed by gas chromatography. A Hewlett-Packard 5890 gas chromatograph fitted with a 30 meter, 0.53 mm ID (megabore) RTX-5 capillary column and equipped with a flame ionization detector was used to complete the analyses.

2) A 5-point calibration was performed for DRO using a 10-component synthetic standard mix. For each level of calibration, the areas observed for the peaks were summed. The sum of the peaks from each calibration level was plotted against the concentration (µg/mL). If the correlation coefficient (r) >0.995 or the determination coefficient (R^2) >0.990, the calibration is linear. Reasonable quadratic curves may be used when the calibration is not linear. Sample concentrations were determined from the plot labelled "DRO" by comparing the total area observed for component peaks eluting between the retention times of decane and octacosane to the corresponding concentration (amount) in µg/mL. This value is then corrected for extract volume, the volume or weight of sample extracted and the dilution factor (if any). The surrogate standard, n-pentacosane, elutes within the DRO window. Its area is subtracted from the total area observed.

3) Sample concentrations were calculated using the following formulas:

For Soils:

$$DRO\ (\mu g\ /Kg) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the weight of the sample extracted in kilograms.
DF = the dilution factor.

For Waters:

$$DRO\ (\mu g\ /L) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the volume of sample extracted in liters.
DF = the dilution factor.

4) Sample P273287 (236-02-0104) extract was black and thick in consistency. The sample was analyzed undiluted on GC #9 on 5/25/94 at 1022. The undiluted analysis exhibited a surrogate recovery of 41%. The low surrogate recovery was probably due to the matrix. There was no attempt at reanalysis or re-extraction.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST236
INORGANIC DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST236
INORGANIC

1) The samples in this data package were analyzed by protocols that are to meet the requirements of "Handbook to Support the Installation Restoration Program (IRP) Statements of Work", May 1991 and any project-specific requirements. The requirements for analysis and reporting are specified in the laboratory quality assurance plan for AFCEE as modified by the Sampling and Analysis Plan.

2) CLP reporting forms were used even though CLP protocols are not required for the analyses. Data qualifiers, as specified in the table immediately following the Cover Page, are used on the reporting forms according to CLP requirements; although these requirements may not be specific to AFCEE reporting procedures.

3) The "date received" that appears on Form 1s is actually the date of sample collection.

4) AFCEE protocol requires duplicate laboratory control standards (LCS/LCSD) as a means of obtaining precision and accuracy on each batch. In addition, MS/MSD are required instead of duplicate/matrix spikes. Therefore, the following CLP reporting forms were used to report LCS/LCSD and MS/MSD data.

   - Two separate Form 5-As for recoveries for matrix spike and matrix spike duplicate.
   - Form 6 (one each) for RPDs for MS/MSD and LCS/LCSD.
   - Form 7 (two) for recoveries for LCS/LCSD.

5) The NUS Laboratory has recently revised the ICP and graphite furnace standard operating procedures in which a detection limit standard is no longer analyzed as a sample in each analysis run. Consequently, this data is not available on Form 2 (part 2). Alternatively, an additional low level PQL standard is used in the calibration of each instrument. The PQL standard is a requirement of the latest version of the Air Force IRP Handbook (September 1993). As with the detection limit standard used previously, the PQL calibration standard must be discernible from the blank.

6) Times of analysis for instruments that do not provide this information (MAS50B) are estimated on Form 14 (Analytical Run Log).

7) Analyte field size restrictions resulted in Molybdenum being truncated to "Molybdenu" on the reporting forms.

8) The laboratory has procured and used a new LCS material (ERA Lot 219) with the soil samples in this SDG. The new material is physically different than previous solid LCS material and, consequently, yields recoveries for most metals substantially different than the previously established, statistically-based, control limits. Therefore, default control limits provided by the manufacturer of the material, Environmental Resource Associates, are used. These limits are listed in Form 7 of the case. The default control limits are being used until new statistically-based control limits can be established for the new solid control material. With the exception of aluminum, all metals are yielding recoveries within the default range. Aluminum, yielding an average of 154% from preliminary evaluations of the material (eight separate analyses referred by NIST SRM 2710), is believed to be true and accurate for the NUS Laboratory due to the nature of the new LCS material. Aluminum results are, therefore, reported with this apparent discrepancy until new statistically-based limits can be established.

9) A quality control sample (MS/MSD) was not designated for the samples in this SDG. However, AFCEE sample 236-02-0608 (NUS sample P273288) was digested and analyzed as the solid QC sample for mercury. In addition, the soils in this package were batched with other AFCEE samples from which a QC sample was prepared. QC data on sample 243-04-0812 (NUS sample P273195) is available in SDG ST243 for use of data qualifiers and evaluation of metals determined by ICP on samples in this package.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST236
SEMIVOLATILES DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST236
SEMIVOLATILES

1) The samples in this package were analyzed by protocols to meet the requirements of the Air Force IRP/AFCEE as defined in "Handbook to Support the Installation Restoration Program (IRP) Statements of Work," May, 1991. These requirements are defined in the Sampling and Analysis Plan (SAP) as modified by any subsequent revisions.

2) The LCS/LCSD pair data were tabulated and reported as if they were MS/MSD. Each LCS/LCSD pair was given the name of the associated blank followed by either the MS (LCS) or MSD (LCSD) suffix. For example, blank SBLKGO is associated with SBLKGOMS (LCS) and SBLKGOMSD.

3) LCS/LCSD pair data acceptance criteria include the stipulation that the data are acceptable as long as no more than 25% of the data fail recovery or RPD criteria. No LCS/LCSD pairs in this case were unacceptable.

4) Internal standard areas are reported for all sample analyses, but corrective action is required only if internal standard areas for a continuing calibration do not meet criteria a superfund in the SW-846 method.

5) The following surrogate failures were noted.

Sample #	Sample ID	Date/Time of Analysis	Instrument	Surrogate	% Recovery	Recovery Limits %
SBLKGO	SBLKGO	6-6-94/ 23:15	GCMSG	Nitrobenzene-d_5	89	54-85
SBLKGO MS	SBLKGOMS	6-8-94/ 17:22	GCMSG	Nitrobenzene-d_5 2-Fluorobiphenyl	90 101	54-85 50-86
SBLKGO MSD	SBLKGO MSD	6-8-94/ 18:12	GCMSG	Nitrobenzene-d_5 2-Fluorobiphenyl	86 97	54-85 50-86
P273288	236020608	6-8-94/ 20:41	GCMSG	Nitrobenzene-d_5 2-Fluorobiphenyl	87 101	54-85 50-86
	236040608	6-9-94/ 21:30	GCMSG	2-Fluorobiphenyl	95	50-86
	236040104	6-9-94/ 12:13	GCMSG	2-Fluorobiphenyl	97	50-86

CASE COMMENTS
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: 236
SEMIVOLATILES
PAGE 2

Sample #	Sample ID	Date/Time of Analysis	Instrument	Surrogate	% Recovery	Recovery Limits %
	236990611	6-9-94/ 12:54	GCMSG	2-Fluorobiphenyl	97	50-86
	236030611	6-9-94/ 13:44	GCMSG	2-Fluorobiphenyl	96	50-86
P273289	236030306	6-9-94/ 14:34	GCMSG	Phenol-d_5 Nitrobenzene-d_5 2-Fluorobiphenyl	100 90 102	48-97 54-85 50-86
P273287	236020104	6-9-94/ 15:24	GCMSG	2-Fluorophenol Phenol-d_5 Nitrobenzene-d_5 2-Fluorobiphenyl 2,4,6-Tribromophenol Terphenyl-d_{14}	0 0 0 0 0 0	43-122 48-97 54-85 50-86 21-115 32-112
P273286	236010610	6-9-94/ 16:27	GCMSG	Nitrobenzene-d_5 2-Fluorobiphenyl	86 100	54-85 50-86
P273285	236010104	6-9-94/ 17:09	GCMSG	Phenol-d_5 Nitrobenzene-d_5 2-Fluorobiphenyl	100 89 101	48-97 54-85 50-86
SBLKGP MS	SBLKGPMS	6-14-94/ 18:37	GCMSG	Nitrobenzene-d_5 2-Fluorobiphenyl	86 92	54-85 50-86
SBLKGP MSD	SBLKGPMSD	6-14-94/ 19:27	GCMSG	Nitrobenzene-d_5 2-Fluorobiphenyl	86 91	54-85 50-86

The high surrogate recovery was probably due to improvements made in the analytical technique (frequent column cutting and changing of injection port lines). The observed surrogate recovery failure should have no adverse effect on the data.

6) The following compounds did not meet the 20.5% RSD criteria established for AFCEE protocol.

Instrument/Date and Time	Compound	% RSD
GCMSG / 5-23-94 / 12:06	Bis(2-chloroethyl)ether Benzo(k)fluoranthene Phenol-d_5	24.5 20.7 21.7
GCMSG / 6-8-94 / 13:20	Acenaphthylene Acenaphthene 4-Chlorophenylphenylether	21.9 21.8 26.5
GCMSG / 6-14-94 / 13:16	2,4,5-Trichlorophenol 4-Chlorophenylphenylether Chrysene Benzo(k)fluoranthene	23.5 25.3 22.4 27.9

7) The following compounds did not meet the minimum RRF criteria established for initial calibrations for the AFCEE protocol:

Instrument/Date and Time	Compound	Minimum RRF	Observed RRF
GCMSG / 6-14-94 / 13:16	4-Chlorophenyl-phenylether	0.400	0.252

8) The following compounds did not meet the 25% D established for continuing calibrations for the AFCEE protocol:

Instrument/Date and Time	Compound	% RSD
GCMSG / 6-6-94 /12:45	2,6-Dinitrotoluene Herachlorobenzene	33.2 33.7
GCMSG / 6-14-94 / 13:16	Benzo(k)fluoranthene	26.6

9) The following compounds did not meet the minimum RRF criteria established for continuing calibrations for AFCEE protocol:

Instrument/Date and Time	Compound	Minimum RRF	Observed RRF
GCMSG / 6-14-94 / 13:16	4-Chlorophenyl-phenylether	0.400	0.252

10) Lot #LA41854 of LCS/LCSD spiking solution obtained from Supelco, Inc. included several target analytes which were prepared in the cocktail at a concentration other than 100 µg/mL. For those compounds whose concentrations were determined to exceed 100 ± 5 µg/mL, their concentrations were corrected and the corrected concentrations were used to determine LCS/LCSD and MS/MSD recoveries.

11) Percent moistures were not determined for soil blanks and LCSs. The percent moisture field on the form 1s for these samples were left blank.

12) Sample 236020104 was inadvertently not spiked with surrogate solution in the extraction laboratory. Once this was discovered, the sample was re-extracted. Unfortunately, the re-extraction was outside of holding time so both original data and re-extraction data were included. (Re-extraction data is designated 236020104RE.)

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST237
DIESEL RANGE ORGANICS DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST237
DIESEL RANGE ORGANICS (DRO)

1) Diesel range organics (DRO) analyses were conducted by extracting 1 liter of water or 30 grams of soil with methylene chloride. The extracts were concentrated to 1 mL and analyzed by gas chromatography. A Hewlett-Packard 5890 gas chromatograph fitted with a 30 meter, 0.53 mm ID (megabore) RTX-5 capillary column and equipped with a flame ionization detector was used to complete the analyses.

2) A 5-point calibration was performed for DRO using a 10-component synthetic standard mix. For each level of calibration, the areas observed for the peaks were summed. The sum of the peaks from each calibration level was plotted against the concentration (µg/mL). If the correlation coefficient (r) >0.995 or the determination coefficient (R^2) >0.990, the calibration is linear. Reasonable quadratic curves may be used when the calibration is not linear. Sample concentrations were determined from the plot labelled "DRO" by comparing the total area observed for component peaks eluting between the retention times of decane and octacosane to the corresponding concentration (amount) in µg/mL. This value is then corrected for extract volume, the volume or weight of sample extracted and the dilution factor (if any). The surrogate standard, n-pentacosane, elutes within the DRO window. Its area is subtracted from the total area observed.

3) Sample concentrations were calculated using the following formulas:

For Soils:

$$DRO\ (\mu g\ /Kg) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the weight of the sample extracted in kilograms.
DF = the dilution factor.

For Waters:

$$DRO\ (\mu g\ /L) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the volume of sample extracted in liters.
DF = the dilution factor.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST237
SEMIVOLATILES DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST237
SEMIVOLATILES

1) The samples in this package were analyzed by protocols to meet the requirements of the Air Force IRP/AFCEE as defined in "Handbook to Support the Installation Restoration Program (IRP) Statements of Work," May, 1991. These requirements are defined in the Sampling and Analysis Plan (SAP) as modified by any subsequent revisions.

2) The LCS/LCSD pair data were tabulated and reported as if they were MS/MSD. Each LCS/LCSD pair was given the name of the associated blank followed by either the MS (LCS) or MSD (LCSD) suffix. For example, soil blank SBLKFN is associated with SBLKFNMS (LCS) and SBLKFNMSD.

3) Internal standard areas are reported for all sample analyses, but corrective action is required only if internal standard areas for a continuing calibration do not meet criteria a superfund in the SW-846 method.

4) No surrogate failures were noted.

The high surrogate recovery was probably due to improvements made in the analytical technique (frequent column cutting and changing of injection port lines). The observed surrogate recovery failure should have no adverse effect on the data.

5) The following compounds did not meet the 20.5% RSD criteria established for AFCEE protocol.

Instrument/Date and Time	Compound	% RSD
GCMSF / 5-31-94, 17:31	Benzo(k)fluoranthene	22.6*
	Diethylphthalate	26.0**
	2,4-Dinitrophenol	21.8**
	3-Nitroaniline	

* The initial calibration is valid, since up to 4 non-CCCs may exceed the %RSD criteria, provided their RSDs are ≤40%.

6) The following compounds did not meet the 25%D established for continuing calibrations for AFCEE protocol:

Instrument/Date and Time	Compound	%D
GCMSF / 6-03-94, 13:34	2,4,5-Trichlorophenol	-34.6
	2,4-Dinitrotoluene	-28.1

The continuing calibration is valid, since up to 4 non-CCCs may exceed the 25%D criteria, provided the RRF for these compounds are ≥0.01 and the3 %D are ≤40%.

7) Lot #LA41854 of LCS/LCSD spiking solution obtained from Supelco, Inc. included several target analytes which were prepared in the cocktail at a concentration other than 100 µg/mL. For those compounds whose concentrations were determined to be different than 100 ± 5 µg/mL, their concentrations were corrected and the corrected concentrations were used to determine LCS/LCSD and MS/MSD recoveries.

8) Percent moistures were not determined for soil blanks and LCSs. The percent moisture field on the form 1s for these samples were left blank.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST237
INORGANIC DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST237
INORGANIC

1) The samples in this data package were analyzed by protocols that are to meet the requirements of "Handbook to Support the Installation Restoration Program (IRP) Statements of Work", May 1991 and any project-specific requirements. The requirements for analysis and reporting are specified in the laboratory quality assurance plan for AFCEE as modified by the Sampling and Analysis Plan.

2) CLP reporting forms were used even though CLP protocols are not required for the analyses. Data qualifiers, as specified in the table immediately following the Cover Page, are used on the reporting forms according to CLP requirements; although these requirements may not be specific to AFCEE reporting procedures.

3) The "date received" that appears on Form 1s is actually the date of sample collection.

4) AFCEE protocol requires duplicate laboratory control standards (LCS/LCSD) as a means of obtaining precision and accuracy on each batch. In addition, MS/MSD are required instead of duplicate/matrix spikes. Therefore, the following CLP reporting forms were used to report LCS/LCSD and MS/MSD data.

   - Two separate Form 5-As for recoveries for matrix spike and matrix spike duplicate.
   - Form 6 (one each) for RPDs for MS/MSD and LCS/LCSD.
   - Form 7 (two) for recoveries for LCS/LCSD.

5) The NUS Laboratory has recently revised the ICP and graphite furnace standard operating procedures in which a detection limit standard is no longer analyzed as a sample in each analysis run. Consequently, this data is not available on Form 2 (part 2). Alternatively, an additional low level PQL standard is used in the calibration of each instrument. The PQL standard is a requirement of the latest version of the Air Force IRP Handbook (September 1993). As with the detection limit standard used previously, the PQL calibration standard must be discernible from the blank.

6) Times of analysis for instruments that do not provide this information (MAS50B) are estimated on Form 14 (Analytical Run Log).

7) Analyte field size restrictions resulted in Molybdenum being truncated to "Molybdenu" on the reporting forms.

8) The laboratory has procured and used a new LCS material (ERA Lot 219) with the soil samples in this SDG. The new material is physically different than previous solid LCS material and, consequently, yields recoveries for most metals substantially different than the previously established, statistically-based, control limits. Therefore, default control limits provided by the manufacturer of the material, Environmental Resource Associates, are used. These limits are listed in Form 7 of the case. The default control limits are being used until new statistically-based control limits can be established for the new solid control material. With the exception of aluminum, all metals are yielding recoveries within the default range. Aluminum, yielding an average of 154% from preliminary evaluations of the material (eight separate analyses referred by NIST SRM 2710), is believed to be true and accurate for the NUS Laboratory due to the nature of the new LCS material. Aluminum results are, therefore, reported with this apparent discrepancy until new statistically-based limits can be established.

9) A quality control sample (MS/MSD) was not designated for the samples in this SDG, therefore data qualifiers and QC Forms V and VI on samples do not appear in the package. However, the soils in this SDG were batched with other AFCEE samples from which a QC sample was prepared. QC data on sample 228-01-0510 (NUS sample P273422) is available in SDG ST228 for use of data qualifiers and evaluation of results on soils in this package.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST238
DIESEL RANGE ORGANICS DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST238
DIESEL RANGE ORGANICS (DRO)

1) Diesel range organics (DRO) analyses were conducted by extracting 1 liter of water or 30 grams of soil with methylene chloride. The extracts were concentrated to 1 mL and analyzed by gas chromatography. A Hewlett-Packard 5890 gas chromatograph fitted with a 30 meter, 0.53 mm ID (megabore) RTX-5 capillary column and equipped with a flame ionization detector was used to complete the analyses.

2) A 5-point calibration was performed for DRO using a 10-component synthetic standard mix. For each level of calibration, the areas observed for the peaks were summed. The sum of the peaks from each calibration level was plotted against the concentration (µg/mL). If the correlation coefficient (r) >0.995 or the determination coefficient (R^2) >0.990, the calibration is linear. Reasonable quadratic curves may be used when the calibration is not linear. Sample concentrations were determined from the plot labelled "DRO" by comparing the total area observed for component peaks eluting between the retention times of decane and octacosane to the corresponding concentration (amount) in µg/mL. This value is then corrected for extract volume, the volume or weight of sample extracted and the dilution factor (if any). The surrogate standard, n-pentacosane, elutes within the DRO window. Its area is subtracted from the total area observed.

3) Sample concentrations were calculated using the following formulas:

For Soils:

$$DRO\ (\mu g\ /Kg) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the weight of the sample extracted in kilograms.
DF = the dilution factor.

For Waters:

$$DRO\ (\mu g\ /L) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the volume of sample extracted in liters.
DF = the dilution factor.

4) The DRO surrogate spiking solution was prepared at a concentration of 104 µg/L. The data system's percent recovery was set up based upon a spiking solution of 100 µg/mL. The surrogate recoveries reported on the forms 2E are correct and based upon the 104 µg/mL surrogate spiking solution. For soils, the n-pentacosane concentration was corrected from µg/L to µg/kg. For example, sample 23801113 (P274438) had an n-pentacosane concentration of 128.77 µg/L. Since the final volume of the extract is 1 mL, this can be expressed as 128.77 µg/mL. For a soil extract, then,

$$128.77\ \mu g/mL \times 1\ mL \times \frac{1}{0.030\ kg} = 4290\ \mu g/kg\ or\ 124\%\ recovery.$$

None of the surrogate recovery calculations were corrected for % moisture.

5) Percent moistures were not determined for soil blanks or soil LCS/LCSDs. No blank or LCS/LCSD data were corrected for percent moisture.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST238
SEMIVOLATILES DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST238
SEMIVOLATILES

1) The samples in this package were analyzed by protocols to meet the requirements of the Air Force IRP/AFCEE as defined in "Handbook to Support the Installation Restoration Program (IRP) Statements of Work," May, 1991. These requirements are defined in the Sampling and Analysis Plan (SAP) as modified by any subsequent revisions.

2) The LCS/LCSD pair data were tabulated and reported as if they were MS/MSD. Each LCS/LCSD pair was given the name of the associated blank followed by either the MS (LCS) or MSD (LCSD) suffix. For example, soil blank SBLKFU is associated with SBLKFUMS (LCS) and SBLKFUMSD.

3) Internal standard areas are reported for all sample analyses, but corrective action is required only if internal standard areas for a continuing calibration do not meet criteria a superfund in the SW-846 method.

4) The following surrogate failures were noted.

Sample #	Sample ID	Date/Time of Analysis	Instrument	Surrogate	% Recovery	Recovery Limits %
P274440	238020307	6-13-94 / 22:52	GCMSF	2-Fluorphenol Phenol-d_5 Nitrobenzene-d_5 2-Fluorobiphenyl 2,4,6-Tribromophenol Terphenyl-d_{14}	171 200 184 177 149 185	43-122 48-97 54-85 50-86 21-115 32-112
P274440 RE	238020307 RE	6-30-94 / 13:59	GCMSG	2-Fluorobiphenyl	97	50-86
P277268	SBLKST	6-30-94 / 14:36	GCMSG	2-Fluorobiphenyl Terphenyl-d_{14}	96 113	50-86 32-112
P277267 MS	SBLKGTMS	6-30-94 / 15:13	GCMSG	2-Fluorobiphenyl	95	50-86
P277267 MSD	SBLKGT MSD	6-30-94 / 15:51		2-Fluorobiphenyl	93	50-86

The high surrogate recovery was probably due to improvements made in the analytical technique (frequent column cutting and changing of injection port lines). The observed surrogate recovery failure should have no adverse effect on the data. The high surrogate recoveries noted for P27440 (258020307) was probably due to the fact that sample was spiked at twice the usual level. Upon re-extraction and reanalysis, the surrogate recoveries for this sample were more in line with expected values. See NC/CA-SA-0-94-000118.

5) The following compounds did not meet the 20.5% RSD criteria established for AFCEE protocol.

Instrument/Date and Time	Compound	% RSD
GCMSF / 6-10-94 / 1600	Benzo(k)fluoranthene	24.4
GCMSG / 6-29-94 / 1902	Benzo(k)fluoranthene	31.6

Up to 4 non-CCCs may exceed the %RSD criteria, provided the %RSDs for those compounds are ≤40.0%.

6) Lot #LA41854 of LCS/LCSD spiking solution obtained from Supelco, Inc. included several target analytes which were prepared in the cocktail at a concentration other than 100 µg/mL. For those compounds whose concentrations were determined to exceed 100 ± 5 µg/mL, their concentrations were corrected and the corrected concentrations were used to determine LCS/LCSD and MS/MSD recoveries.

7) Percent moistures were not determined for soil blanks and LCSs. The percent moisture field on the form 1s for these samples were left blank.

AIR FORCE IRP
AIR FORCE CENTER FOR
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KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST238
INORGANIC DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST238
INORGANIC

1) The samples in this data package were analyzed by protocols that are to meet the requirements of "Handbook to Support the Installation Restoration Program (IRP) Statements of Work", May 1991 and any project-specific requirements. The requirements for analysis and reporting are specified in the laboratory quality assurance plan for AFCEE as modified by the Sampling and Analysis Plan.

2) CLP reporting forms were used even though CLP protocols are not required for the analyses. Data qualifiers, as specified in the table immediately following the Cover Page, are used on the reporting forms according to CLP requirements; although these requirements may not be specific to AFCEE reporting procedures.

3) The "date received" that appears on Form 1s is actually the date of sample collection.

4) AFCEE protocol requires duplicate laboratory control standards (LCS/LCSD) as a means of obtaining precision and accuracy on each batch. In addition, MS/MSD are required instead of duplicate/matrix spikes. Therefore, the following CLP reporting forms were used to report LCS/LCSD and MS/MSD data.

   - Two separate Form 5-As for recoveries for matrix spike and matrix spike duplicate.
   - Form 6 (one each) for RPDs for MS/MSD and LCS/LCSD.
   - Form 7 (two) for recoveries for LCS/LCSD.

5) The NUS Laboratory has recently revised the ICP and graphite furnace standard operating procedures in which a detection limit standard is no longer analyzed as a sample in each analysis run. Consequently, this data is not available on Form 2 (part 2). Alternatively, an additional low level PQL standard is used in the calibration of each instrument. The PQL standard is a requirement of the latest version of the Air Force IRP Handbook (September 1993). As with the detection limit standard used previously, the PQL calibration standard must be discernible from the blank.

6) Times of analysis for instruments that do not provide this information (MAS50B) are estimated on Form 14 (Analytical Run Log).

7) Analyte field size restrictions resulted in Molybdenum being truncated to "Molybdenu" on the reporting forms.

8) The laboratory has procured and used a new LCS material (ERA Lot 219) with the soil samples in this SDG. The new material is physically different than previous solid LCS material and, consequently, yields recoveries for most metals substantially different than the previously established, statistically-based, control limits. Therefore, default control limits provided by the manufacturer of the material, Environmental Resource Associates, are used. These limits are listed in Form 7 of the case. The default control limits are being used until new statistically-based control limits can be established for the new solid control material. With the exception of aluminum, all metals are yielding recoveries within the default range. Aluminum, yielding an average of 154% from preliminary evaluations of the material (eight separate analyses referred by NIST SRM 2710), is believed to be true and accurate for the NUS Laboratory due to the nature of the new LCS material. Aluminum results are, therefore, reported with this apparent discrepancy until new statistically-based limits can be established.

9) The NUS Laboratory has recently revised the recovery acceptance range for a high level standard analyzed as a sample readily after the calibration curve is established on the ICP. The recovery limits for this standard have been revised from 100 ± 10% to 100 ± 5% recovery. In addition, the use of a new, low-level PQL standard has been implemented in AFCEE protocol. Implementation of the PQL standard at the low end of the ICP calibration causes greater imprecision at the high end of the calibration curve due to the weighing used in calculating the calibration curve. Consequently, the narrower recovery limits for the high standard are more difficult to achieve for certain elements such as chromium, lead, and zinc. However, even with the PQL standard, the high standard still recover within the previous acceptance range of 90 to 110%. In addition, no samples were observed to yield results for these analytes any where near the high standard from the ICP analysis run of 06/12/94. Rather all sample results for these analytes were observed to be in the lower half of the ICP calibration curve in the region of greatest accuracy. Consequently, the data for these elements were acceptable.

10) The laboratory control standard associated with some of the solid samples in this SDG in preparation batch 26501 yielded poor recovery for chromium and nickel on the ICP analysis run of 06/08/94. All affected samples were reprepared on 06/09/94 in batch

26601 for these two elements and were reanalyzed on 06/12/94. This ICP analysis run yielded acceptable results for nickel although the LCS still recovered poorly for chromium. A 97.3% recovery was observed for chromium on 06/12/94. However this value deviates more than 10% from the laboratory established mean recovery of 110%. Consequently, the samples were reprepared again in batch 26749 for chromium. Reanalyses of this batch on 06/16/94 yielded acceptable results for chromium.

11) Iron was observed in the preparation blank (NUS sample P276011) associated with the soils in this SDG at a concentration of 39.6 ug/kg. Although this value is greater than three times the maximum allowable detection limit specified in the project plan, all samples yielded iron results more than ten times this concentration level. Therefore, the data were acceptable.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST239
DIESEL RANGE ORGANICS DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST239
DIESEL RANGE ORGANICS (DRO)

1) Diesel range organics (DRO) analyses were conducted by extracting 1 liter of water or 30 grams of soil with methylene chloride. The extracts were concentrated to 1 mL and analyzed by gas chromatography. A Hewlett-Packard 5890 gas chromatograph fitted with a 30 meter, 0.53 mm ID (megabore) RTX-5 capillary column and equipped with a flame ionization detector was used to complete the analyses.

2) A 5-point calibration was performed for DRO using a 10-component synthetic standard mix. For each level of calibration, the areas observed for the peaks were summed. The sum of the peaks from each calibration level was plotted against the concentration (µg/mL). If the correlation coefficient (r) >0.995 or the determination coefficient (R^2) >0.990, the calibration is linear. Reasonable quadratic curves may be used when the calibration is not linear. Sample concentrations were determined from the plot labelled "DRO" by comparing the total area observed for component peaks eluting between the retention times of decane and octacosane to the corresponding concentration (amount) in µg/mL. This value is then corrected for extract volume, the volume or weight of sample extracted and the dilution factor (if any). The surrogate standard, n-pentacosane, elutes within the DRO window. Its area is subtracted from the total area observed.

3) Sample concentrations were calculated using the following formulas:

For Soils:

$$DRO\ (\mu g\ /Kg) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the weight of the sample extracted in kilograms.
DF = the dilution factor.

For Waters:

$$DRO\ (\mu g\ /L) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the volume of sample extracted in liters.
DF = the dilution factor.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST239
SEMIVOLATILES DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST239
SEMIVOLATILES

1) The samples in this package were analyzed by protocols to meet the requirements of the Air Force IRP/AFCEE as defined in "Handbook to Support the Installation Restoration Program (IRP) Statements of Work," May, 1991. These requirements are defined in the Sampling and Analysis Plan (SAP) as modified by any subsequent revisions.

2) The LCS/LCSD pair data were tabulated and reported as if they were MS/MSD. Each LCS/LCSD pair was given the name of the associated blank followed by either the MS (LCS) or MSD (LCSD) suffix. For example, soil blank SBLKFN is associated with SBLKFNMS (LCS) and SBLKFNMSD.

3) Internal standard areas are reported for all sample analyses, but corrective action is required only if internal standard areas for a continuing calibration do not meet criteria a superfund in the SW-846 method.

4) No surrogate failures were noted.

The high surrogate recoveries were probably due to improvements made in the analytical technique (frequent column cutting and changing of injection port lines). The observed surrogate recovery failure should have no adverse effect on the data.

5) The following compounds did not meet the 20.5% RSD criteria established for AFCEE protocol.

Instrument/Date and Time	Compound	% RSD
GCMSF / 5-31-94, 1731	Benzo(k)fluoranthene	22.6
	Diethylphthalate	26.0
	2,4-Dinitrophenol	21.8
	3-Nitroaniline	31.1

The initial calibration is valid, since 4 non-CCCs may exceed the %RSD criteria of 25, and no RRF ≥0.01.

6) The following compounds did not meet the 25%D established for continuing calibrations for the AFCEE protocol:

Instrument/Date and Time	Compound	% RSD
GCMSF / 6-03-94, 1334	2,4,5-Trichlorophenol	-34.6
	2,4-Dinitrophenol	-28.1

The continuing calibration is valid since 4 non-CCCs may exceed the 25%D criteria, provided the RRF ≥0.01 and the %D is ≤40%.

7) Lot #LA41854 of LCS/LCSD spiking solution obtained from Supelco, Inc. included several target analytes which were prepared in the cocktail at a concentration other than 100 µg/mL. For those compounds whose concentrations were determined to be different than 100 ± 5 µg/mL, their concentrations were corrected and the corrected concentrations were used to determine LCS/LCSD and MS/MSD recoveries.

8) Percent moistures were not determined for soil blanks and LCSs. The percent moisture field on form 1s for these samples were left blank.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST239
INORGANIC DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST239
INORGANIC

1) The samples in this data package were analyzed by protocols that are to meet the requirements of "Handbook to Support the Installation Restoration Program (IRP) Statements of Work", May 1991 and any project-specific requirements. The requirements for analysis and reporting are specified in the laboratory quality assurance plan for AFCEE as modified by the Sampling and Analysis Plan.

2) CLP reporting forms were used even though CLP protocols are not required for the analyses. Data qualifiers, as specified in the table immediately following the Cover Page, are used on the reporting forms according to CLP requirements; although these requirements may not be specific to AFCEE reporting procedures.

3) The "date received" that appears on Form 1s is actually the date of sample collection.

4) AFCEE protocol requires duplicate laboratory control standards (LCS/LCSD) as a means of obtaining precision and accuracy on each batch. In addition, MS/MSD are required instead of duplicate/matrix spikes. Therefore, the following CLP reporting forms were used to report LCS/LCSD and MS/MSD data.

   - Two separate Form 5-As for recoveries for matrix spike and matrix spike duplicate.
   - Form 6 (one each) for RPDs for MS/MSD and LCS/LCSD.
   - Form 7 (two) for recoveries for LCS/LCSD.

5) The NUS Laboratory has recently revised the ICP and graphite furnace standard operating procedures in which a detection limit standard is no longer analyzed as a sample in each analysis run. Consequently, this data is not available on Form 2 (part 2). Alternatively, an additional low level PQL standard is used in the calibration of each instrument. The PQL standard is a requirement of the latest version of the Air Force IRP Handbook (September 1993). As with the detection limit standard used previously, the PQL calibration standard must be discernible from the blank.

6) Times of analysis for instruments that do not provide this information (MAS50B) are estimated on Form 14 (Analytical Run Log).

7) Analyte field size restrictions resulted in Molybdenum being truncated to "Molybdenu" on the reporting forms.

8) The laboratory has procured and used a new LCS material (ERA Lot 219) with the soil samples in this SDG. The new material is physically different than previous solid LCS material and, consequently, yields recoveries for most metals substantially different than the previously established, statistically-based, control limits. Therefore, default control limits provided by the manufacturer of the material, Environmental Resource Associates, are used. These limits are listed in Form 7 of the case. The default control limits are being used until new statistically-based control limits can be established for the new solid control material. With the exception of aluminum, all metals are yielding recoveries within the default range. Aluminum, yielding an average of 154% from preliminary evaluations of the material (eight separate analyses referred by NIST SRM 2710), is believed to be true and accurate for the NUS Laboratory due to the nature of the new LCS material. Aluminum results are, therefore, reported with this apparent discrepancy until new statistically-based limits can be established.

9) A quality control sample (MS/MSD) was not designated for the samples in this SDG, therefore data qualifiers and QC Forms V and VI for samples do not appear in the package. However, the soils in this SDG were batched with other AFCEE samples form which a QC sample was prepared. QC data on sample 228-01-510 (NUS sample P273422) is available in SDG ST228 for use of data qualifiers and evaluation of results in this package.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST240
DIESEL RANGE ORGANICS DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST240
DIESEL RANGE ORGANICS (DRO)

1) Diesel range organics (DRO) analyses were conducted by extracting 1 liter of water or 30 grams of soil with methylene chloride. The extracts were concentrated to 1 mL and analyzed by gas chromatography. A Hewlett-Packard 5890 gas chromatograph fitted with a 30 meter, 0.53 mm ID (megabore) RTX-5 capillary column and equipped with a flame ionization detector was used to complete the analyses.

2) A 5-point calibration was performed for DRO using a 10-component synthetic standard mix. For each level of calibration, the areas observed for the peaks were summed. The sum of the peaks from each calibration level was plotted against the concentration (µg/mL). If the correlation coefficient (r) >0.995 or the determination coefficient (R^2) >0.990, the calibration is linear. Reasonable quadratic curves may be used when the calibration is not linear. Sample concentrations were determined from the plot labelled "DRO" by comparing the total area observed for component peaks eluting between the retention times of decane and octacosane to the corresponding concentration (amount) in µg/mL. This value is then corrected for extract volume, the volume or weight of sample extracted and the dilution factor (if any). The surrogate standard, n-pentacosane, elutes within the DRO window. Its area is subtracted from the total area observed.

3) Sample concentrations were calculated using the following formulas:

For Soils:

$$DRO\ (\mu g\ /Kg) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the weight of the sample extracted in kilograms.
DF = the dilution factor.

For Waters:

$$DRO\ (\mu g\ /L) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the volume of sample extracted in liters.
DF = the dilution factor.

4) The DRO surrogate spiking solution was prepared at a concentration of 104 µg/L and 102 µg/L. The data system's percent recovery was set up based upon a spiking solution of 100 µg/mL. The surrogate recoveries reported on the forms 2E are correct and based upon the 104 µg/mL surrogate spiking solution. For soils, the n-pentacosane concentration was corrected from µg/L to µg/kg. For example, sample 240011113 (P274292) had an n-pentacosane concentration of 109.62 µg/L. Since the final volume of the extract is 1 mL, this can be expressed as 100.72 µg/mL. For a soil extract, then,

$$109.62\ \mu g/mL \times 1\ mL \times \frac{1}{0.030\ kg} = 3650\ \mu g/kg\ or\ 105\%\ recovery.$$

None of the surrogate recovery calculations were corrected for % moisture.

5) Percent moistures were not determined for soil blanks or soil LCS/LCSDs. No blank or LCS/LCSD data were corrected for percent moisture.

AIR FORCE IRP
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KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
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SEMIVOLATILES DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR
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KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST240
SEMIVOLATILES

1) The samples in this package were analyzed by protocols to meet the requirements of the Air Force IRP/AFCEE as defined in "Handbook to Support the Installation Restoration Program (IRP) Statements of Work," May, 1991. These requirements are defined in the Sampling and Analysis Plan (SAP) as modified by any subsequent revisions.

2) The LCS/LCSD pair data were tabulated and reported as if they were MS/MSD. Each LCS/LCSD pair was given the name of the associated blank followed by either the MS (LCS) or MSD (LCSD) suffix. For example, water blank SBLKFO is associated with SBLKFOMS (LCS) and SBLKFOMSD (LCSD).

3) Internal standard areas are reported for all sample analyses, but corrective action is required only if internal standard areas for a continuing calibration do not meet criteria a superfund in the SW-846 method.

4) No surrogate failures were noted.

5) The following compounds did not meet the 20.5% RSD criteria established for AFCEE protocol.

Instrument/Date and Time	Compound	% RSD
GCMSF / 5-31-94 / 1731	Benzo(k)fluoranthene	22.6
GCMSF / 6-8-94 / 1155	Benzo(k)fluoranthene	21.0
GCMSF / 6-10-94 / 1600	Benzo(k)fluoranthene	24.4

The %RSD for up to 4 of the remaining non-CCCs may exceed the %RSD limit, provided the %RSD for these compounds are ≤40.0%.

6) The following compounds did not meet the 25% D established for continuing calibrations for the AFCEE protocol:

Instrument/Date and Time	Compound	%D
GCMSF / 6-6-94 / 1310	2,4,5-Trichlorophenol 2,4-Dinitrotoluene	-36.6 -26.7
GCMSF / 6-9-94 / 2231	N-nitrosodiphenylamine	-42.1

The %D for up to 4 non-CCCs may exceed the 25% limit, provided the RRF for these compounds are ≥0.010 and the %D are ≤40.0%. The continuing calibration analyzed on 6/9/94 at 2231 on GCMSF was used even though a CCC failure was observed. The N-nitrosodiphenylamine recoveries were all acceptable in the LCS/LCSDs. No N-nitrosodiphenylamine was detected in any of the sample extracts following the continuing calibration check. No adverse effect on the data is expected. See NC/CA SA-0-94-000115.

7) Lot #LA41854 and Lot #LA41851 of LCS/LCSD spiking solution obtained from Supelco, Inc. included several target analytes which were prepared in the cocktail at a concentration other than 100 µg/mL. For those compounds whose concentrations were determined to be different than 100 ± 5 µg/mL, their concentrations were corrected and the corrected concentrations were used to determine LCS/LCSD and MS/MSD recoveries.

8) Percent moistures were not determined for soil blanks and LCS's. The percent moisture filed on the form 1s for these samples were left blank.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST240
INORGANIC DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST240
INORGANIC

1) The samples in this data package were analyzed by protocols that are to meet the requirements of "Handbook to Support the Installation Restoration Program (IRP) Statements of Work", May 1991 and any project-specific requirements. The requirements for analysis and reporting are specified in the laboratory quality assurance plan for AFCEE as modified by the Sampling and Analysis Plan.

2) CLP reporting forms were used even though CLP protocols are not required for the analyses. Data qualifiers, as specified in the table immediately following the Cover Page, are used on the reporting forms according to CLP requirements; although these requirements may not be specific to AFCEE reporting procedures.

3) The "date received" that appears on Form 1s is actually the date of sample collection.

4) AFCEE protocol requires duplicate laboratory control standards (LCS/LCSD) as a means of obtaining precision and accuracy on each batch. In addition, MS/MSD are required instead of duplicate/matrix spikes. Therefore, the following CLP reporting forms were used to report LCS/LCSD and MS/MSD data.

   - Two separate Form 5-As for recoveries for matrix spike and matrix spike duplicate.
   - Form 6 (one each) for RPDs for MS/MSD and LCS/LCSD.
   - Form 7 (two) for recoveries for LCS/LCSD.

5) The NUS Laboratory has recently revised the ICP and graphite furnace standard operating procedures in which a detection limit standard is no longer analyzed as a sample in each analysis run. Consequently, this data is not available on Form 2 (part 2). Alternatively, an additional low level PQL standard is used in the calibration of each instrument. The PQL standard is a requirement of the latest version of the Air Force IRP Handbook (September 1993). As with the detection limit standard used previously, the PQL calibration standard must be discernible from the blank.

6) Times of analysis for instruments that do not provide this information (MAS50B) are estimated on Form 14 (Analytical Run Log).

7) Analyte field size restrictions resulted in Molybdenum being truncated to "Molybdenu" on the reporting forms.

8) A quality control sample (MS/MSD) was not designated for the samples in this SDG, therefore data qualifiers and QC Forms V and VI for samples do not appear in the package. However, the soils in this SDG were batched with other AFCEE samples from which QC samples were prepared. QC data on sample 244-01-1822 (NUS sample P274388) and 238-02-0812 (NUS sample P274441) in SDGs ST244 and ST238, respectively, is available for use of data qualifiers and evaluation of results on soils in this package.

9) An LCSD was not prepared with the samples in preparation batch 26381 due to confusion over which version of AFCEE protocol was applicable. The September 1993 version of the Air Force IRP Handbook no longer requires an LCSD and this protocol has been implemented for some AFCEE samples in the laboratory. Consequently, this omission is not believed to jeopardize the data on the one sample in this SDG that was prepared in batch 26381.

10) The NUS Laboratory has recently revised the recovery acceptance range for a high level standard analyzed as a sample readily after the calibration curve is established on the ICP. The recovery limits for this standard have been revised from 100 ± 10% to 100 ± 5% recovery. In addition, the use of a new, low-level PQL standard has been implemented in AFCEE protocol. Implementation of the PQL standard at the low end of the ICP calibration causes greater imprecision at the high end of the calibration curve due to the weighting used in calculating the calibration curve. Consequently, the narrower recovery limits for the high standards are more difficult to achieve for certain elements such as chromium, lead, and zinc as occurred in the ICP analysis run of 06/12/94. However, even with the PQL standard, the high standard still recovered within the previous acceptance range of 90 to 110%. In addition, no samples were observed to yield results for these analytes anywhere near the high standard from the ICP analysis run of 06/12/94. Rather all sample results for these analytes were observed to be in the lower half of the ICP calibration curve in the region of greatest accuracy. Consequently, the data for these elements were acceptable.

11) Iron was observed in the preparation blank (NUS sample P276011) associated with the soils in preparation batch 26501 at a concentration of 36.2 µg/kg. Although this value is greater than three times the maximum allowable detection limit specified in the project plan, all samples yielded iron results more than ten times this concentration level. Therefore, the data were acceptable.

12) The laboratory control standard associated with some of the solid samples in this SDG in preparation batch 26501 yielded poor recovery for chromium and nickel on the ICP analysis run of 06/08/94. All affected samples were reprepared on 06/09/94 in batch 26601 for these two elements and were reanalyzed on 06/12/94. This ICP analysis run yielded acceptable results for nickel although the LCS still recovered poorly for chromium. A 97.3% recovery was observed for chromium on 06/12/94. However, this value deviates more than 10% from the laboratory established mean recovery of 110%. Consequently, the samples were reprepared again in batch 26749 for chromium. Reanalysis of this batch on 06/16/94 yielded acceptable results for chromium.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST241
INORGANIC DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST241
INORGANIC

1) The samples in this data package were analyzed by protocols that are to meet the requirements of "Handbook to Support the Installation Restoration Program (IRP) Statements of Work", May 1991 and any project-specific requirements. The requirements for analysis and reporting are specified in the laboratory quality assurance plan for AFCEE as modified by the Sampling and Analysis Plan.

2) CLP reporting forms were used even though CLP protocols are not required for the analyses. Data qualifiers, as specified in the table immediately following the Cover Page, are used on the reporting forms according to CLP requirements; although these requirements may not be specific to AFCEE reporting procedures.

3) The "date received" that appears on Form 1s is actually the date of sample collection.

4) AFCEE protocol requires duplicate laboratory control standards (LCS/LCSD) as a means of obtaining precision and accuracy on each batch. In addition, MS/MSD are required instead of duplicate/matrix spikes. Therefore, the following CLP reporting forms were used to report LCS/LCSD and MS/MSD data.

   - Two separate Form 5-As for recoveries for matrix spike and matrix spike duplicate.
   - Form 6 (one each) for RPDs for MS/MSD and LCS/LCSD.
   - Form 7 (two) for recoveries for LCS/LCSD.

5) The NUS Laboratory has recently revised the ICP and graphite furnace standard operating procedures in which a detection limit standard is no longer analyzed as a sample in each analysis run. Consequently, this data is not available on Form 2 (part 2). Alternatively, an additional low level PQL standard is used in the calibration of each instrument. The PQL standard is a requirement of the latest version of the Air Force IRP Handbook (September 1993). As with the detection limit standard used previously, the PQL calibration standard must be discernible from the blank.

6) Times of analysis for instruments that do not provide this information (MAS50B) are estimated on Form 14 (Analytical Run Log).

7) Analyte field size restrictions resulted in Molybdenum being truncated to "Molybdenu" on the reporting forms.

8) The laboratory has procured and used a new LCS material (ERA Lot 219) with the soil samples in this SDG. The new material is physically different than previous solid LCS material and, consequently, yields recoveries for most metals substantially different than the previously established, statistically-based, control limits. Therefore, default control limits provided by the manufacturer of the material, Environmental Resource Associates, are used. These limits are listed in Form 7 of the case. The default control limits are being used until new statistically-based control limits can be established for the new solid control material. With the exception of aluminum, all metals are yielding recoveries within the default range. Aluminum, yielding an average of 154% from preliminary evaluations of the material (eight separate analyses referred by NIST SRM 2710), is believed to be true and accurate for the NUS Laboratory due to the nature of the new LCS material. Aluminum results are, therefore, reported with this apparent discrepancy until new statistically-based limits can be established.

9) A quality control sample (MS/MSD) was not designated for the samples in this SDG, therefore data qualifiers and QC Forms V and VI for samples do not appear in the package. However, the soils in this SDG were batched with other AFCEE samples from which a QC sample was prepared. QC data on sample 228-01-0510 (NUS sample P273422) is available in SDG ST228 for use of data qualifiers and evaluation of ICP results on soils in this package.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST241
SEMIVOLATILES DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST241
SEMIVOLATILES

1) The samples in this package were analyzed by protocols to meet the requirements of the Air Force IRP/AFCEE as defined in "Handbook to Support the Installation Restoration Program (IRP) Statements of Work," May, 1991. These requirements are defined in the Sampling and Analysis Plan (SAP) as modified by any subsequent revisions.

2) The LCS/LCSD pair data were tabulated and reported as if they were MS/MSD. Each LCS/LCSD pair was given the name of the associated blank followed by either the MS (LCS) or MSD (LCSD) suffix. For example, water blank SBLKFM is associated with SBLKFMMS (LCS) and SBLKFMMSD.

3) Internal standard areas are reported for all sample analyses, but corrective action is required only if internal standard areas for a continuing calibration do not meet criteria a superfund in the SW-846 method.

4) No surrogate failures were noted.

5) The following compounds did not meet the 20.5% RSD criteria established for AFCEE protocol.

Instrument/Date and Time	Compound	% RSD
GCMSF / 5-31-94, 1731	3-Nitroaniline	31.1
	Diethylphthalate	26.0
	Benzo(k)fluoranthene	22.6

The calibration is valid. Up to 4 non-CCCs may exceed the %RSD criteria, provided the %RSD for these compounds are ≤40.0%.

6) The following compounds did not meet the 25%D established for continuing calibrations for the AFCEE protocol:

Instrument/Date and Time	Compound	% RSD
GCMSF / 6-3-94, 1334	2,4,5-Trichlorophenol 2,4-Dinitrotoluene	-34.6 -28.1
GCMSF / 6-4-94, 0018	2,4,5-Trichlorophenol 2,4-Dinitrotoleuen	-33.1 -28.1

The continuing calibration is still valid. Up to 4 non-CCCs may exceed the %D criteria, provided the RRF for these compounds are ≥0.010 and the %D are ≤40.0%.

7) Lot #LA41854 of LCS/LCSD spiking solution obtained from Supelco, Inc. included several target analytes which were prepared in the cocktail at a concentration other than 100 µg/mL. For those compounds whose concentrations were determined to be different than 100 ± 5 µg/mL, their concentrations were corrected and the corrected concentrations were used to determine LCS/LCSD and MS/MSD recoveries.

8) Percent moistures were not determined for soil blanks and LCSs. The percent moisture field on form 1s for these samples were left blank.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST241
DIESEL RANGE ORGANICS DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST241
DIESEL RANGE ORGANICS (DRO)

1) Diesel range organics (DRO) analyses were conducted by extracting 1 liter of water or 30 grams of soil with methylene chloride. The extracts were concentrated to 1 mL and analyzed by gas chromatography. A Hewlett-Packard 5890 gas chromatograph fitted with a 30 meter, 0.53 mm ID (megabore) RTX-5 capillary column and equipped with a flame ionization detector was used to complete the analyses.

2) A 5-point calibration was performed for DRO using a 10-component synthetic standard mix. For each level of calibration, the areas observed for the peaks were summed. The sum of the peaks from each calibration level was plotted against the concentration (µg/mL). If the correlation coefficient (r) >0.995 or the determination coefficient (R^2) >0.990, the calibration is linear. Reasonable quadratic curves may be used when the calibration is not linear. Sample concentrations were determined from the plot labelled "DRO" by comparing the total area observed for component peaks eluting between the retention times of decane and octacosane to the corresponding concentration (amount) in µg/mL. This value is then corrected for extract volume, the volume or weight of sample extracted and the dilution factor (if any). The surrogate standard, n-pentacosane, elutes within the DRO window. Its area is subtracted from the total area observed.

3) Sample concentrations were calculated using the following formulas:

For Soils:

$$DRO\ (\mu g\ /Kg) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the weight of the sample extracted in kilograms.
DF = the dilution factor.

For Waters:

$$DRO\ (\mu g\ /L) = \frac{A * B * DF}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the volume of sample extracted in liters.
DF = the dilution factor.

4) The DRO surrogate spiking solution was prepared at a concentration of 102 µg/L. The data system's percent recovery was set up based upon a spiking solution of 100 µg/mL. The surrogate recoveries reported on the forms 2E are correct and based upon the 102 µg/mL surrogate spiking solution. For soils, the n-pentacosane concentration was corrected from µg/L to µg/kg. For example, sample 241010305 (P273503) had an n-pentacosane concentration of 61.75 µg/L. Since the final volume of the extract is 1 mL, this can be expressed as 61.75 µg/mL. For a soil extract, then,

$$61.75\ \mu g/mL \times 1\ mL \times \frac{1}{0.030\ kg} = 2060\ \mu g/kg\ or\ 61\%\ recovery.$$

None of the surrogate recovery calculations were corrected for % moisture.

5) Percent moistures were not determined for soil blanks or soil LCS/LCSDs. No blank or LCS/LCSD data were corrected for percent moisture.

AIR FORCE IRP
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CASE ID: KRT2B
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DIESEL RANGE ORGANICS DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST242
DIESEL RANGE ORGANICS (DRO)

1) Diesel range organics (DRO) analyses were conducted by extracting 1 liter of water or 30 grams of soil with methylene chloride. The extracts were concentrated to 1 mL and analyzed by gas chromatography. A Hewlett-Packard 5890 gas chromatograph fitted with a 30 meter, 0.53 mm ID (megabore) RTX-5 capillary column and equipped with a flame ionization detector was used to complete the analyses.

2) A 5-point calibration was performed for DRO using a 10-component synthetic standard mix. For each level of calibration, the areas observed for the peaks were summed. The sum of the peaks from each calibration level was plotted against the concentration (µg/mL). If the correlation coefficient (r) >0.995 or the determination coefficient (R^2) >0.990, the calibration is linear. Reasonable quadratic curves may be used when the calibration is not linear. Sample concentrations were determined from the plot labelled "DRO" by comparing the total area observed for component peaks eluting between the retention times of decane and octacosane to the corresponding concentration (amount) in µg/mL. This value is then corrected for extract volume, the volume or weight of sample extracted and the dilution factor (if any). The surrogate standard, n-pentacosane, elutes within the DRO window. Its area is subtracted from the total area observed.

3) Sample concentrations were calculated using the following formulas:

For Soils:

$$DRO\ (\mu g\ /Kg) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the weight of the sample extracted in kilograms.
DF = the dilution factor.

For Waters:

$$DRO\ (\mu g\ /L) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the volume of sample extracted in liters.
DF = the dilution factor.

AIR FORCE IRP
AIR FORCE CENTER FOR
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KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
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INORGANIC DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST242
INORGANIC

1) The samples in this data package were analyzed by protocols that are to meet the requirements of "Handbook to Support the Installation Restoration Program (IRP) Statements of Work", May 1991 and any project-specific requirements. The requirements for analysis and reporting are specified in the laboratory quality assurance plan for AFCEE as modified by the Sampling and Analysis Plan.

2) CLP reporting forms were used even though CLP protocols are not required for the analyses. Data qualifiers, as specified in the table immediately following the Cover Page, are used on the reporting forms according to CLP requirements; although these requirements may not be specific to AFCEE reporting procedures.

3) The "date received" that appears on Form 1s is actually the date of sample collection.

4) AFCEE protocol requires duplicate laboratory control standards (LCS/LCSD) as a means of obtaining precision and accuracy on each batch. In addition, MS/MSD are required instead of duplicate/matrix spikes. Therefore, the following CLP reporting forms were used to report LCS/LCSD and MS/MSD data.

   - Two separate Form 5-As for recoveries for matrix spike and matrix spike duplicate.
   - Form 6 (one each) for RPDs for MS/MSD and LCS/LCSD.
   - Form 7 (two) for recoveries for LCS/LCSD.

5) The NUS Laboratory has recently revised the ICP and graphite furnace standard operating procedures in which a deteciton limit (CRDL) standard is no longer analyzed as a sample in each analysis run. Consequently, this data is not available on Form 2 (part 2). Alternatively, an additoinal low level PQL standard is used in the calibration of each instrument. The PQL standard is a requirement of the latest verision of the Air Force IRP Handbook (September 1993). As with the detection limit standard used previously, the PQL calibration standard must be discernible from the blank.

6) Times of analysis for instruments that do not provide this information (MAS50B) are estimated on Form 14 (Analytical Run Log).

7) Analyte field size restrictions resulted in Molybdenum being truncated to "Molybdenu" on the reporting forms.

8) The laboratory has procured and used a new LCS material (ERA Lot 219) with the soil samples in this SDG. The new material is physically different than previous solid LCS material and, consequently, yields recoveries for most metals substantially different than the previously established, statistically-based, control limits. Therefore, default control limits provided by the manufacturer of the material, Environmental Resource Associates, are used. These limits are listed in Form 7 of the case. The default control limits are being used until new statistically-based control limits can be established for the new solid control material. With the exception of aluminum, all metals are yielding recoveries within the default range. Aluminum, yielding an average of 154% from preliminary evaluations of the material (eight separate analyses referred by NIST SRM 2710), is believed to be true and accurate for the NUS Laboratory due to the nature of the new LCS material. Aluminum results are, therefore, reported with this apparent discrepancy until new statistically-based limits can be established.

9) A quality control sample (MS/MSD) was not designated for the samples in this SDG. However, AFCEE sample 242-01-1117 (NUS sample P273200) was digested and analyzed as the solid QC sample for all metals.

AIR FORCE IRP
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KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST242
SEMIVOLATILES DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST242
SEMIVOLATILES

1) The samples in this package were analyzed by protocols to meet the requirements of the Air Force IRP/AFCEE as defined in "Handbook to Support the Installation Restoration Program (IRP) Statements of Work," May, 1991. These requirements are defined in the Sampling and Analysis Plan (SAP) as modified by any subsequent revisions.

2) The LCS/LCSD pair data were tabulated and reported as if they were MS/MSD. Each LCS/LCSD pair was given the name of the associated blank followed by either the MS (LCS) or MSD (LCSD) suffix. For example, blank SBLKGN is associated with SBLKGNMS (LCS) and SBLKGNMSD.

3) LCS/LCSD pair data acceptance criteria include the stipulation that the data are acceptable as long as no more than 25% of the data fail recovery or RPD criteria. No LCS/LCSD pairs in this case were unacceptable.

4) Internal standard areas are reported for all sample analyses, but corrective action is required only if internal standard areas for a continuing calibration do not meet criteria a superfund in the SW-846 method.

5) The following surrogate failures were noted.

Sample #	Sample ID	Date/Time of Analysis	Instrument	Surrogate	% Recovery	Recovery Limits %
SBLKGN	SBLKGN	6-6-94/ 20:00	GCMSG	Phenol-d_5	72	5-69
P273199	242990611	6-3-94/ 22:37	GCMSG	Phenol-d_5	102	48-97
P273200	242011117	6-6-94/ 15:58	GCMSG	Phenol-d_5	104	48-97
P273200 MSD	242011117 MSD	6-6-94/ 17:35	GCMSG	Phenol-d_5	100	48-97
P273201	242020609	6-6-94/ 18:23	GCMSG	Phenol-d_5	106	48-97
P273202	242021114	6-6-94/ 19:11	GCMSG	Phenol-d_5	102	48-97

Sample #	Sample ID	Date/Time of Analysis	Instrument	Surrogate	% Recovery	Recovery Limits %
SBLKGO	SBLKGO	6-6-94/ 23:15	GCMSG	Nitrobenzene-d_5	89	54-85
SBLKGO MS	SBLKGOMS	6-8-94/ 17:22	GCMSG	Nitrobenzene-d_5 2-Fluorobiphenyl	90 101	54-85 50-86
SBLKGO MSD	SBLKGO MSD	6-8-94/ 18:12	GCMSG	Nitrobenzene-d_5 2-Fluorobiphenyl	86 97	54-85 50-86
P273283	242030608	6-8-94/ 19:02	GCMSG	Nitrobenzene-d_5 2-Fluorobiphenyl	86 100	54-85 50-86
P273284	242031113	6-8-94/ 19:51	GCMSG	2-Fluorobiphenyl	92	50-86

The high surrogate recovery was probably due to improvements made in the analytical technique (frequent column cutting and changing of injection port lines). The observed surrogate recovery failure should have no adverse effect on the data.

6) The following compounds did not meet the 20.5% RSD criteria established for AFCEE protocol.

Instrument/Date and Time	Compound	% RSD
GCMSF / 5-31-94 / 17:31	Benzo(k)fluoranthene	22.6
GCMSG / 5-23-94 / 12:06	Bis(2-chloroethyl)ether Benzo(k)fluoranthene Phenol-d_5	24.5 20.7 21.7
GCMSG / 6-8-94 / 13:20	Acenaphthylene Acenaphthene 2,4-Dinitrophenol 4-Chlorophenylphenylether	21.9 21.8 47.5 26.5

7) The following compounds did not meet the 25% D established for continuing calibrations for the AFCEE protocol:

Instrument/Date and Time	Compound	%D
GCMSF / 6-2-94 / 11:06	2,4,5-Trichlorophenol 2,4-Dinitrotoluene	36.1 29.1
GCMSG / 6-3-94 / 11:02	2,6-Dinitrotoluene Hexachlorobenzene	35.2 28.2
GCMSG / 6-6-94 / 12:45	2,6-Dinitrotoluene Hexachlorobenzene	33.2 33.7

8) Lot #LA41854 of LCS/LCSD spiking solution obtained from Supelco, Inc. included several target analytes which were prepared in the cocktail at a concentration other than 100 µg/mL. For those compounds whose concentrations were determined to exceed 100 ± 5 µg/mL, their concentrations were corrected and the corrected concentrations were used to determine LCS/LCSD and MS/MSD recoveries.

9) Percent moistures were not determined for soil blanks and LCSs. The percent moisture field on the form 1s for these samples were left blank.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST243
DIESEL RANGE ORGANICS DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST243
DIESEL RANGE ORGANICS (DRO)

1) Diesel range organics (DRO) analyses were conducted by extracting 1 liter of water or 30 grams of soil with methylene chloride. The extracts were concentrated to 1 mL and analyzed by gas chromatography. A Hewlett-Packard 5890 gas chromatograph fitted with a 30 meter, 0.53 mm ID (megabore) RTX-5 capillary column and equipped with a flame ionization detector was used to complete the analyses.

2) A 5-point calibration was performed for DRO using a 10-component synthetic standard mix. For each level of calibration, the areas observed for the peaks were summed. The sum of the peaks from each calibration level was plotted against the concentration (µg/mL). If the correlation coefficient (r) >0.995 or the determination coefficient (R^2) >0.990, the calibration is linear. Reasonable quadratic curves may be used when the calibration is not linear. Sample concentrations were determined from the plot labelled "DRO" by comparing the total area observed for component peaks eluting between the retention times of decane and octacosane to the corresponding concentration (amount) in µg/mL. This value is then corrected for extract volume, the volume or weight of sample extracted and the dilution factor (if any). The surrogate standard, n-pentacosane, elutes within the DRO window. Its area is subtracted from the total area observed.

3) Sample concentrations were calculated using the following formulas:

For Soils:

$$DRO\ (\mu g\ /Kg) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the weight of the sample extracted in kilograms.
DF = the dilution factor.

For Waters:

$$DRO\ (\mu g\ /L) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the volume of sample extracted in liters.
DF = the dilution factor.

4) The DRO surrogate spiking solution was prepared at a concentration of 104 µg/L. The data system's percent recovery calculation was set up based upon a spiking solution of 100 µg/mL. The surrogate recoveries reported on the forms 2E are correct and based upon the 104 µg/mL surrogate spiking solution. For soils, the n-pentacosane concentration was corrected from µg/L to µg/kg. For example, sample 243010307 (P273188) had an n-pentacosane concentration of 103.12 µg/L. Since the final volume of the extract is 1 mL, this can be expressed as 103.12 µg/mL. For a soil extract, then,

$$103.12\ \mu g/L \times 1\ mL \times \frac{1}{0.030\ kg} = 3.440\ \mu g/kg\ or\ 101\%$$

None of the surrogate recovery calculations were corrected for % moisture.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST243
SEMIVOLATILES DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST243
SEMIVOLATILES

1) The samples in this package were analyzed by protocols to meet the requirements of the Air Force IRP/AFCEE as defined in "Handbook to Support the Installation Restoration Program (IRP) Statements of Work," May, 1991. These requirements are defined in the Sampling and Analysis Plan (SAP) as modified by any subsequent revisions.

2) The LCS/LCSD pair data were tabulated and reported as if they were MS/MSD. Each LCS/LCSD pair was given the name of the associated blank followed by either the MS (LCS) or MSD (LCSD) suffix. For example, blank SBLKGL is associated with SBLKGLMS (LCS) and SBLKGLMSD.

3) Internal standard areas are reported for all sample analyses, but corrective action is required only if internal standard areas for a continuing calibration do not meet criteria a superfund in the SW-846 method.

4) The following surrogate failures were noted.

Sample #	Sample ID	Date/Time of Analysis	Instrument	Surrogate	% Recovery	Recovery Limits %
P273191	243020308	6-3-94/ 16:06	GCMSG	Phenol-d_5	102	48-97
P273192	243020811	6-3-94 / 16:55	GCMSG	Phenol-d_5	101	48-97
P273194	243040305	6-3-94 / 18:32	GCMSG	Phenol-d_5	101	48-97
P273195	243040812	6-3-94 / 19:21	GCMSG	Phenol-d_5	102	48-97
P273196	243050306	6-3-94 / 20:10	GCMSG	Phenol-d_5	104	48-97
P273197	243050811	6-3-94 / 20:59	GCMSG	Phenol-d_5	101	48-97

The high surrogate recoveries were probably due to improvements made in the analytical technique (frequent column cutting and changing of injection port lines). The observed surrogate recovery failure should have no adverse effect on the data.

5) The following compounds did not meet the 20.5% RSD criteria established for AFCEE protocol.

Instrument/Date and Time	Compound	% RSD
GCMSG / 5-23-94 / 12:06	Bis(2-chloroethyl)ether Benzo(k)fluoranthene Phenol-d_5	24.5 20.7 21.7
GCMSG / 5-31-94 / 17:31	Benzo(k)fluoranthene	22.6

The %RSD for up to 4 of the remaining non-CCCs may exceed the maximum %RSD, provided the %RSD for these compounds are ≤40.0%.

6) The following compounds did not meet the 25% D established for continuing calibrations for the AFCEE protocol:

Instrument/Date and Time	Compound	%D
GCMSF / 6-2-94 / 11:06	2,4,5-Trichlorophenol 2,4-Dinitrotoluene	36.1 29.1
GCMSG / 6-2-94 / 12:01	Hexachlorobenzene	28.3
GCMSG / 6-3-94 / 11:02	2,6-Dinitrotoluene Hexachlorobenzene	35.2 28.2

The %D for up to 4 of the remaining non-CCCs may exceed the maximum %D, provided the RRF for these compounds are ≥0.010 and the %D are ≤40.0%.

7) Lot #LA41854 of LCS/LCSD spiking solution obtained from Supelco, Inc. included several target analytes which were prepared in the cocktail at a concentration other than 100 µg/mL. For those compounds whose concentrations were determined to be different than 100 ± 5 µg/mL, their concentrations were corrected and the corrected concentrations were used to determine LCS/LCSD and MS/MSD recoveries.

8) Percent moistures were not determined for soil blanks and LCS's. The percent moisture filed on the form 1s for these samples were left blank.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST243
INORGANIC DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST243
INORGANIC

1) The samples in this data package were analyzed by protocols that are to meet the requirements of "Handbook to Support the Installation Restoration Program (IRP) Statements of Work", May 1991 and any project-specific requirements. The requirements for analysis and reporting are specified in the laboratory quality assurance plan for AFCEE as modified by the Sampling and Analysis Plan.

2) CLP reporting forms were used even though CLP protocols are not required for the analyses. Data qualifiers, as specified in the table immediately following the Cover Page, are used on the reporting forms according to CLP requirements; although these requirements may not be specific to AFCEE reporting procedures.

3) The "date received" that appears on Form 1s is actually the date of sample collection.

4) AFCEE protocol requires duplicate laboratory control standards (LCS/LCSD) as a means of obtaining precision and accuracy on each batch. In addition, MS/MSD are required instead of duplicate/matrix spikes. Therefore, the following CLP reporting forms were used to report LCS/LCSD and MS/MSD data.

   - Two separate Form 5-As for recoveries for matrix spike and matrix spike duplicate.
   - Form 6 (one each) for RPDs for MS/MSD and LCS/LCSD.
   - Form 7 (two) for recoveries for LCS/LCSD.

5) The NUS Laboratory has recently revised the ICP and graphite furnace standard operating procedures in which a detection limit standard is no longer analyzed as a sample in each analysis run. Consequently, this data is not available on Form 2 (part 2). Alternatively, an additional low level PQL standard is used in the calibration of each instrument. The PQL standard is a requirement of the latest version of the Air Force IRP Handbook (September 1993). As with the detection limit standard used previously, the PQL calibration standard must be discernible from the blank.

6) Times of analysis for instruments that do not provide this information (MAS50B) are estimated on Form 14 (Analytical Run Log).

7) Analyte field size restrictions resulted in Molybdenum being truncated to "Molybdenu" on the reporting forms.

8) The laboratory has procured and used a new LCS material (ERA Lot 219) with the soil samples in this SDG. The new material is physically different than previous solid LCS material and, consequently, yields recoveries for most metals substantially different than the previously established, statistically-based, control limits. Therefore, default control limits provided by the manufacturer of the material, Environmental Resource Associates, are used. These limits are listed in Form 7 of the case. The default control limits are being used until new statistically-based control limits can be established for the new solid control material. With the exception of aluminum, all metals are yielding recoveries within the default range. Aluminum, yielding an average of 154% from preliminary evaluations of the material (eight separate analyses referred by NIST SRM 2710), is believed to be true and accurate for the NUS Laboratory due to the nature of the new LCS material. Aluminum results are, therefore, reported with this apparent discrepancy until new statistically-based limits can be established.

9) A quality control sample (MS/MSD) was not designated for the samples in this SDG. However, AFCEE sample EB-243-051694 (NUS sample P273187) was digested and analyzed as the aqueous QC sample for mercury. AFCEE sample 243-04-0812 (NUS sample P273195) was prepared and analyzed as the solid QC sample for all metals, with the exception of mercury.

10) The matrix spike/matrix spike duplicate for AFCEE sample 243-04-0812 (NUS sample P273195) associated with preparation batch 26193 yielded negative spike recoveries for copper and zinc. The original, MS and MSD were redigested on 06/07/94 (batch 26528) yielding results that were somewhat improved in that positive spike recoveries were observed. Copper was still erratic on repreparation as evident by the 300+% recovery on the MSD. Consequently, the sample is probably heterogenous for these minor elements. Major elements such as calcium and iron yielded good precision, therefore the sample aliquots for MS/MSD must have been representative.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST244
DIESEL RANGE ORGANICS DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST244
DIESEL RANGE ORGANICS (DRO)

1) Diesel range organics (DRO) analyses were conducted by extracting 1 liter of water or 30 grams of soil with methylene chloride. The extracts were concentrated to 1 mL and analyzed by gas chromatography. A Hewlett-Packard 5890 gas chromatograph fitted with a 30 meter, 0.53 mm ID (megabore) RTX-5 capillary column and equipped with a flame ionization detector was used to complete the analyses.

2) A 5-point calibration was performed for DRO using a 10-component synthetic standard mix. For each level of calibration, the areas observed for the peaks were summed. The sum of the peaks from each calibration level was plotted against the concentration (µg/mL). If the correlation coefficient (r) >0.995 or the determination coefficient (R^2) >0.990, the calibration is linear. Reasonable quadratic curves may be used when the calibration is not linear. Sample concentrations were determined from the plot labelled "DRO" by comparing the total area observed for component peaks eluting between the retention times of decane and octacosane to the corresponding concentration (amount) in µg/mL. This value is then corrected for extract volume, the volume or weight of sample extracted and the dilution factor (if any). The surrogate standard, n-pentacosane, elutes within the DRO window. Its area is subtracted from the total area observed.

3) Sample concentrations were calculated using the following formulas:

For Soils:

$$DRO\ (\mu g\ /Kg) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the weight of the sample extracted in kilograms.
DF = the dilution factor.

For Waters:

$$DRO\ (\mu g\ /L) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the volume of sample extracted in liters.
DF = the dilution factor.

4) The DRO surrogate spiking solution was prepared at a concentration of 104 µg/L. The data system's percent recovery was set up based upon a spiking solution of 100 µg/mL. The surrogate recoveries reported on the forms 2E are correct and based upon the 104 µg/mL surrogate spiking solution. For soils, the n-pentacosane concentration was corrected from µg/L to µg/kg. For example, sample 244010812 (P274336) had an n-pentacosane concentration of 106.47 µg/L. Since the final volume of the extract is 1 mL, this can be expressed as 106.47 µg/mL. For a soil extract, then,

$$106.47\ \mu g/mL \times 1\ mL \times \frac{1}{0.030\ kg} = 3550\ \mu g/kg\ or\ 102\%\ recovery.$$

None of the surrogate recovery calculations were corrected for % moisture.

5) Percent moistures were not determined for soil blanks or soil LCS/LCSDs. No blank or LCS/LCSD data were corrected for percent moisture.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST244
INORGANIC DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST244
INORGANIC

1) The samples in this data package were analyzed by protocols that are to meet the requirements of "Handbook to Support the Installation Restoration Program (IRP) Statements of Work", May 1991 and any project-specific requirements. The requirements for analysis and reporting are specified in the laboratory quality assurance plan for AFCEE as modified by the Sampling and Analysis Plan.

2) CLP reporting forms were used even though CLP protocols are not required for the analyses. Data qualifiers, as specified in the table immediately following the Cover Page, are used on the reporting forms according to CLP requirements; although these requirements may not be specific to AFCEE reporting procedures.

3) The "date received" that appears on Form 1s is actually the date of sample collection.

4) AFCEE protocol requires duplicate laboratory control standards (LCS/LCSD) as a means of obtaining precision and accuracy on each batch. In addition, MS/MSD are required instead of duplicate/matrix spikes. Therefore, the following CLP reporting forms were used to report LCS/LCSD and MS/MSD data.

   - Two separate Form 5-As for recoveries for matrix spike and matrix spike duplicate.
   - Form 6 (one each) for RPDs for MS/MSD and LCS/LCSD.
   - Form 7 (two) for recoveries for LCS/LCSD.

5) The NUS Laboratory has recently revised the ICP and graphite furnace standard operating procedures in which a detection limit standard is no longer analyzed as a sample in each analysis run. Consequently, this data is not available on Form 2 (part 2). Alternatively, an additional low level PQL standard is used in the calibration of each instrument. The PQL standard is a requirement of the latest version of the Air Force IRP Handbook (September 1993). As with the detection limit standard used previously, the PQL calibration standard must be discernible from the blank.

6) Times of analysis for instruments that do not provide this information (MAS50B) are estimated on Form 14 (Analytical Run Log).

7) Analyte field size restrictions resulted in Molybdenum being truncated to "Molybdenu" on the reporting forms.

8) The laboratory has procured and used a new LCS material (ERA Lot 219) with the soil samples in this SDG. The new material is physically different than previous solid LCS material and, consequently, yields recoveries for most metals substantially different than the previously established, statistically-based, control limits. Therefore, default control limits provided by the manufacturer of the material, Environmental Resource Associates, are used. These limits are listed in Form 7 of the case. The default control limits are being used until new statistically-based control limits can be established for the new solid control material. With the exception of aluminum, all metals are yielding recoveries within the default range. Aluminum, yielding an average of 154% from preliminary evaluations of the material (eight separate analyses referred by NIST SRM 2710), is believed to be true and accurate for the NUS Laboratory due to the nature of the new LCS material. Aluminum results are, therefore, reported with this apparent discrepancy until new statistically-based limits can be established.

9) A quality control sample (MS/MSD) was not designated for the samples in this SDG. However, AFCEE sample 244-01-1822 (NUS sample P274338) was digested and analyzed as the solid QC sample for all elements.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST244
SEMIVOLATILES DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST244
SEMIVOLATILES

1) The samples in this package were analyzed by protocols to meet the requirements of the Air Force IRP/AFCEE as defined in "Handbook to Support the Installation Restoration Program (IRP) Statements of Work," May, 1991. These requirements are defined in the Sampling and Analysis Plan (SAP) as modified by any subsequent revisions.

2) The LCS/LCSD pair data were tabulated and reported as if they were MS/MSD. Each LCS/LCSD pair was given the name of the associated blank followed by either the MS (LCS) or MSD (LCSD) suffix. For example, water blank SBLKFS is associated with SBLKFSMS (LCS) and SBLKFSMSD.

3) Internal standard areas are reported for all sample analyses, but corrective action is required only if internal standard areas for a continuing calibration do not meet criteria a superfund in the SW-846 method.

4) No surrogate failures were noted.

5) The following compounds did not meet the 20.5% RSD criteria established for AFCEE protocol.

Instrument/Date and Time	Compound	% RSD
GCMSF / 6-8-94 / 11:55	Benzo(k)fluoranthene	21.0

The %RSD for up to for of the remaining non-CCCs may exceed the %RSD limit, provided the %RSD for these compounds are ≤40.0%.

6) The following compounds did not meet the 25%D established for continuing calibrations for the AFCEE protocol:

Instrument/Date and Time	Compound	%D
GCMSF / 6-8-94 / 2231	N-nitrosodiphenylamine	-42.1

The %D for up to 4 of the non-CCCs may exceed the %D limits provided the RRF for these compounds are ≥0.010 and the %D are ≤40.0%. This continuing calibration was accepted because the N-nitrosodiphenylamine recoveries in the CCS/LCSDs were acceptable. No N-nitrosodiphenylamine was detected in the sample extracts following the continuing calibration standard. No adverse effect on the data is expected. See NC/CA #SA-094-000116.

7) Lot #LA41854 of LCS/LCSD spiking solution obtained from Supelco, Inc. included several target analytes which were prepared in the cocktail at a concentration other than 100 µg/mL. For those compounds whose concentrations were determined to be different than 100 ± 5 µg/mL, their concentrations were corrected and the corrected concentrations were used to determine LCS/LCSD and MS/MSD recoveries.

8) Percent moistures were not determined for soil blanks and LCSs. The percent moisture field on form 1s for these samples were left blank.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST245
INORGANIC DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST245
INORGANIC

1) The samples in this data package were analyzed by protocols that are to meet the requirements of "Handbook to Support the Installation Restoration Program (IRP) Statements of Work", May 1991 and any project-specific requirements. The requirements for analysis and reporting are specified in the laboratory quality assurance plan for AFCEE as modified by the Sampling and Analysis Plan.

2) CLP reporting forms were used even though CLP protocols are not required for the analyses. Data qualifiers, as specified in the table immediately following the Cover Page, are used on the reporting forms according to CLP requirements; although these requirements may not be specific to AFCEE reporting procedures.

3) The "date received" that appears on Form 1s is actually the date of sample collection.

4) AFCEE protocol requires duplicate laboratory control standards (LCS/LCSD) as a means of obtaining precision and accuracy on each batch. In addition, MS/MSD are required instead of duplicate/matrix spikes. Therefore, the following CLP reporting forms were used to report LCS/LCSD and MS/MSD data.

   - Two separate Form 5-As for recoveries for matrix spike and matrix spike duplicate.
   - Form 6 (one each) for RPDs for MS/MSD and LCS/LCSD.
   - Form 7 (two) for recoveries for LCS/LCSD.

5) The NUS Laboratory has recently revised the ICP and graphite furnace standard operating procedures in which a detection limit standard is no longer analyzed as a sample in each analysis run. Consequently, this data is not available on Form 2 (part 2). Alternatively, an additional low level PQL standard is used in the calibration of each instrument. The PQL standard is a requirement of the latest version of the Air Force IRP Handbook (September 1993). As with the detection limit standard used previously, the PQL calibration standard must be discernible from the blank.

6) Times of analysis for instruments that do not provide this information (MAS50B) are estimated on Form 14 (Analytical Run Log).

7) Analyte field size restrictions resulted in Molybdenum being truncated to "Molybdenu" on the reporting forms.

8) The laboratory has procured and used a new LCS material (ERA Lot 219) with the soil samples in this SDG. The new material is physically different than previous solid LCS material and, consequently, yields recoveries for most metals substantially different than the previously established, statistically-based, control limits. Therefore, default control limits provided by the manufacturer of the material, Environmental Resource Associates, are used. These limits are listed in Form 7 of the case. The default control limits are being used until new statistically-based control limits can be established for the new solid control material. With the exception of aluminum, all metals are yielding recoveries within the default range. Aluminum, yielding an average of 154% from preliminary evaluations of the material (eight separate analyses referred by NIST SRM 2710), is believed to be true and accurate for the NUS Laboratory due to the nature of the new LCS material. Aluminum results are, therefore, reported with this apparent discrepancy until new statistically-based limits can be established.

9) A quality control sample (MS/MSD) was not designated for the samples in this SDG, therefore data qualifiers and QC Forms V and VI for samples do not appear in the package. However, the soils in this SDG were batched with other AFCEE samples from which a QC sample was prepared. QC data on sample 222-01-0812 (NUS sample P274203) is available in SDG ST222 for use of data qualifiers and evaluation of ICP results on soils in this package.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST245
SEMIVOLATILES DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST245
SEMIVOLATILES

1) The samples in this package were analyzed by protocols to meet the requirements of the Air Force IRP/AFCEE as defined in "Handbook to Support the Installation Restoration Program (IRP) Statements of Work," May, 1991. These requirements are defined in the Sampling and Analysis Plan (SAP) as modified by any subsequent revisions.

2) The LCS/LCSD pair data were tabulated and reported as if they were MS/MSD. Each LCS/LCSD pair was given the name of the associated blank followed by either the MS (LCS) or MSD (LCSD) suffix. For example, soil blank SBLKFT is associated with SBLKFTMS (LCS) and SBLKFTMSD.

3) Internal standard areas are reported for all sample analyses, but corrective action is required only if internal standard areas for a continuing calibration do not meet criteria a superfund in the SW-846 method.

4) No surrogate failures were noted.

5) The following compounds did not meet the 20.5% RSD criteria established for AFCEE protocol.

Instrument/Date and Time	Compound	% RSD
GCMSF / 6-8-94 / 1155	Benzo(k)fluoranthene	21.0
GCMSF / 6-10-94 / 1600	Benzo(k)fluoranthene	24.4

The %RSD for up to four of the remaining non-CCCs may exceed the maximum %RSD, provided the %RSD for these compounds are ≤40.0%.

6) Lot #LA41854 of LCS/LCSD spiking solution obtained from Supelco, Inc. included several target analytes which were prepared in the cocktail at a concentration other than 100 µg/mL. For those compounds whose concentrations were determined to be different than 100 ± 5 µg/mL, their concentrations were corrected and the corrected concentrations were used to determine LCS/LCSD and MS/MSD recoveries.

7) Percent moistures were not determined for soil blanks and LCSs. The percent moisture field on the form 1s for these samples were left blank.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST245
DIESEL RANGE ORGANICS DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST245
DIESEL RANGE ORGANICS (DRO)

1) Diesel range organics (DRO) analyses were conducted by extracting 1 liter of water or 30 grams of soil with methylene chloride. The extracts were concentrated to 1 mL and analyzed by gas chromatography. A Hewlett-Packard 5890 gas chromatograph fitted with a 30 meter, 0.53 mm ID (megabore) RTX-5 capillary column and equipped with a flame ionization detector was used to complete the analyses.

2) A 5-point calibration was performed for DRO using a 10-component synthetic standard mix. For each level of calibration, the areas observed for the peaks were summed. The sum of the peaks from each calibration level was plotted against the concentration (µg/mL). If the correlation coefficient (r) >0.995 or the determination coefficient (R^2) >0.990, the calibration is linear. Reasonable quadratic curves may be used when the calibration is not linear. Sample concentrations were determined from the plot labelled "DRO" by comparing the total area observed for component peaks eluting between the retention times of decane and octacosane to the corresponding concentration (amount) in µg/mL. This value is then corrected for extract volume, the volume or weight of sample extracted and the dilution factor (if any). The surrogate standard, n-pentacosane, elutes within the DRO window. Its area is subtracted from the total area observed.

3) Sample concentrations were calculated using the following formulas:

For Soils:

$$DRO\ (\mu g\ /Kg) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the weight of the sample extracted in kilograms.
DF = the dilution factor.

For Waters:

$$DRO\ (\mu g\ /L) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the volume of sample extracted in liters.
DF = the dilution factor.

4) The DRO surrogate spiking solution was prepared at a concentration of 104 µg/mL. The data system's percent recovery was set-up based upon a spiking solution of 100 µg/mL. The surrogate recoveries reported on the form 2E are correct and based upon the 104 µg/mL surrogate spiking solution. For soils, the n-pentacosane concentration was corrected from µg/L to µg/kg. For example, sample 245010810 (P247347) had an n-pentacosane concentration of 110.42 µg/L. Since the final volume of the extract is 1 mL, this can be expressed on 100.72 µg/mL. For a soil extract, then,

$$110.42\ \mu g/mL \times 1\ mL \times \frac{1}{0.050\ kg} = 3{,}680\ \mu g/kg\ or\ 106\%\ recovery$$

None of the surrogate recovery calculations were corrected for % moisture.

5) Percent moistures were not determined for soil blanks or soil LCS/LCSDs. No blank or LCS/LCSD data were corrected for percent moisture.

CASE COMMENTS
AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KR2TB
SDG: ST246
VOLATILES

VOLATILES CASE COMMENTS
AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KR2TB
SDG: ST246

1) The samples in this package were analyzed by protocols to meet the requirements of the Air Force IRP/AFCEE as defined in "Handbook to Support the Installation Restoration Program (IRP) Statements of Work," May 1991 and as defined in the Sampling and Analysis Plan (SAP) for the 2B field program at Kirtland Air Force Base.

2) A wide-bore capillary ("megabore") column is used for the volatile analyses. The response factor for the ortho-xylene isomer is used for the quantitation of all xylene isomers detected on the capillary column because the meta- and para-isomers of xylene coelute.

3) The "date received" on all Form I's actually represents the "date sampled".

4) The reference spectra for acetone from the continuing calibration standards contain ions from extraneous compounds. For each positive identification of the analyte, a Wiley library reference spectrum was provided. The sample spectra for acetone also often contain ions from extraneous compounds (most frequently, isopropyl alcohol and Freon 113).

5) Some of the submitted mass spectra exhibit ions at m/z:40 and 44 which are components of air. These additional ions did not interfere with the identification of target compounds.

6) The concentrations that appear on the 5-point initial calibration and continuing calibration standards quantitation reports do not reflect the concentrations at which the standards were analyzed. For example, the on-column concentration in the 50 µg/ml standard for the target compound acetone may appear as 23 µg/ml in the raw data.

7) The laboratory control standard (LCS) and laboratory control standard duplicate (LCSD) are denoted with the blank name followed by MS or MSD in the raw data. For example, the blank name may be VBLKEK; therefore, the LCS would be named VBLKEKMS, and the LCSD, VBLKEKMSD.

8) Toluene coelutes with the surrogate, toluene-d-8, as can be seen in the reference spectrum. Also, 1,1,1-trichloro-1,1,2-trifluoroethane (Freon-113) and isopropyl alcohol coelute with the target compound acetone. Chlorobenzene co-elutes with the internal standard chlorobenzene-d5.

9) Internal standard areas are reported for all sample analyses, but corrective action is required only if internal standard areas for a continuing calibration do not meet criteria as specified in the SW-846 methods.

10) The secondary ion m/z 58, was used to quantitate acetone due to interference from isopropyl alcohol, a suspected laboratory contaminant. Isopropyl alcohol and acetone coelute and share the characteristic ion at m/z 43.

11) The % RSD and low minimum RRF for the target analytes listed below did not meet the criteria shown in Attachment A.

Calibration	Instrument	Compound	Criterium
			Outside Limits
4/5/94	GCMSC	Bromomethane	%RSD
4/8/94	GCMSE	Bromethane Vinyl Chloride	%RSD %RSD

None of the target analytes listed above were detected in any of the associated samples. Due to holding time constraints, the calibrations were used to report sample results.

12) 2-chloroethyl vinyl ether was not detected during the analysis performed on 4/5/94 - 4/8/94 on GCMSC.

13) The % D for the following continuing calibration compounds (CCC) exceed the 25% limit (see Attachment A).

Instrument	Date	Time	Compound	% D
GCMSC	4/7/94	1049	Bromedichloromethane	25.4
GCMSC	4/8/94	0252	Bromomethane Vinyl Chloride Tetrachloroethene	-70.5 -26.2 31.0

Instrument	Date	Time	Compound	% D
GCMSR	4/8/94		1,1,1-Trichloroethane	26.0
			cis-1,3-dichloropropene	27.2
			Dibromochloromethane	28.4
			1,1,2-Trichloroethane	27.4
			trans-1,3-dichloropropene	27.3
			Bromoform	26.1

14) The minimum RF for the following continuing calibration compounds did not meet the limit established for AFCEE protocol.

Instrument	Date	Time	Compound	Min RRF	Observed RRF
GCMSC	4/7/94	1049	Trichloroethene	0.300	0.298
GCMSC	4/8/94	0252	Trichloroethene	0.300	0.297

15) A significant number of the percent recoveries for LCS/LCSD, VBLKCS, do not meet AFCEE criteria. Samples were analyzed due to holding time constraints.

16) The primary ion for the compound 1,2-Dichloroethane D_4 did not meet AFCEE requirements. The secondary ion was used to meet AFCEE requirements for the following samples.

Sample ID	Laboratory No.
246061517	P268383
246071012	P268384
2460810102	P268386
246081517	P268387

17) Data for the analyses listed below were submitted in the package, and the samples were not reanalyzed. The reanalyses could not be completed within holding times.

Sample	Laboratory No.	Comment
246071012	P268384	Toluene-D8 Recovery fails
246081012	P268386	Toluene-D8 Recovery fails
246011013	P268155	Sample too dilute

18) Sample 246011013 (Laboratory #P268155) was analyzed 5 hours 53 minutes outside of holding times.

19) After acquiring the 5-point initial calibration curve on 4/9/94 on instrument GCMSE, sufficient time remained in the 12 hour time to analyze samples. Therefore, the average response factors were used to quanitate the associated data.

20) The equipment blank EBST246032894 (Laboratory No. P268391), the trip blank TB032894 (Laboratory No. P268391) and the ambient condition blank AB2260329991 (Laboratory No. P268359) were analyzed in a heated purge using a low level soil method.

21) The matrix spike analysis of the sample 246041519 (Laboratory No. P268379) did not purge efficiently and was not reanalyzed. Data for only the matrix spike (MS) duplicate was included in the package. The secondary ion was used to calculate an acceptable surrogate recovery for bromofluorobenzene in the MS analysis because of interference with the primary ion.

22) Sample 246071012 analyzed on 4/8/94 at 10:47 on GCMSC exhibited a high surrogate recovery for toluene -d_8. The sample was reanalyzed.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST246
SEMIVOLATILE ORGANICS DATA PACKAGE

CASE COMMENTS
AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST246
SEMIVOLATILE ORGANICS

1) The samples in this package were analyzed by protocols to meet the requirements of the Air Force IRP/AFCEE as defined in "Handbook to Support the Installation Restoration Program (IRP) Statements of Work," May 1991. These requirements are defined in the Sampling and Analysis Plan (SAP) as modified by any subsequent revisions.

2) The date received on the Form Is actually represents the date sampled.

3) The LCS/LCSD pair data were tabulated and updated as if they were MS/MSD. Each LCS/LCSD pair was given the name of the associated blank followed by either the MS(LCS) or MSD (LCSD) suffix. For example, water blank SBLKAK is associated with SBLKAKMS (LCS) and SBLKAKMSD.

4) LCS/LCSD pair data acceptance criteria include the stipulation that the data are acceptable as long as no more than 25% of the data fail recovery or RPD criteria. No LCS/LCSD pairs in this case were unacceptable.

5) Internal standard areas are reported for all sample analyses, but corrective action is required only if internal standard areas for a continuing calibration do not meet criteria a specified in the SW-846 method.

6) The following surrogate failures were noted:

Sample #	Sample ID	Date/Time of Analysis	Instrument	Surrogate	% Recovery	Recovery Limits %
SBLKFE	SBLKFE	4/20/94 21:10	GCMSF	N-trobenzene-d5 2-Fluorobiphenyl	89 95	54-85 50-86
SBLKFEMS	SBLKFEMS	4/20/94 21:57	GCMSF	Nitrobenzene-d5 2-Fluorobiphenyl	91 95	54-85 50-86
SBLKFEMSD	SBLKFEMSD	4/20/94 22:53	GCMSF	Nitrobenzene-d5 2-Fluorobiphenyl	89 91	54-85 50-86
P268378	246991014	4/21/94 23:47	GCMSF	Nitrobenzene-d5 2-Fluorobiphenyl	91 92	54-85 50-86

The high surrogate recoveries were probably due to improvements made in the analytical technique (more frequent column cutting and changing of injection past linear). No target analytes were present in any of the sample extracts.

7) The % D for the following continuing calibration compounds exceeded the 25% limit established for AFCEE protocol.

Instrument/Date and Time	Compound	%D
GCMSA 4/6/94 09:13	bis(2-chloroethyl) ether	-39.4
GCMSF 4/20/94 19:55	2-methylnaphthalene	-27.6
GCMSF 4/20/94	dibenzofuran	-29.8
GCMSF 4/21/94 13:54	2-methylnaphthalene dibenzofuran	-30.6 -29.3
GCMSF 4/7/94 0545	2-Methylnaphthalene Dibenzofuran Pyrene	-27.4 -29.5 -30.3
GCMSF 4/22/95 0333	2-Methylnaphthalene	-30.2
GCMSF 4/23/94 1904	2-Methylnaphthalene Dibenzofuran	-27.1 -32.9

The continuing calibrations are valid, since up to 4 compounds may exceed the 25% limit as long as they do not exceed 40%D or have an RF <0.010.

8) Lot #LA41854 of LCS/LCSD spiking solution obtained from Supelco, Inc. included several target analytes which were prepared in the cocktail at a concentration other than 100 ug/mL. For those compounds whose concentrations were determined to exceed 100 ±5 ug/mL, their concentrations were corrected and the corrected concentrations used to determine LCS/LCSD and MS/MSD recoveries.

9) Due to software limitations, a generalized Form 6 was used to report initial calibration results.

10) Due to software limitations, sample #P268371 (EB246032894ST) is identified as EB246032894.

CASE COMMENTS
AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST246
GASOLINE RANGE ORGANICS

CASE COMMENTS
AIR FORCE IRP
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST246
GASOLINE RANGE ORGANICS

1) The sample in this data package was analyzed by protocols that are to meet the requirements of "Handbook to Support the Installation Restoration Program (IRP) Statements of Work", May 1991 and any project-specific requirements. The requirements for analysis and reporting are specified in the laboratory quality assurance plan for AFCEE as modified by the Sampling and Analysis Plan.

2) Gasoline range organics analyses (GRO) were conducted by purging 5 mL of water or 5 grams of soil with inert gas. The purged contaminants were trapped and thermally desorbed onto a 105 meter, 502.2 chromatography column installed in a Varian 3700 gas chromatograph. The gas chromatograph was equipped with a flame ionization detector.

3) A 5-point calibration was performed for GRO using a sample of regular unleaded gasoline. For each level of calibration, the areas observed for the peaks were summed. The sum of the peaks eluting between the retention times of 2-methylpentane and 1,2,4-trimethylbenzene from each calibration level was plotted against the concentration (ug/L or ug/Kg). If the correlation coefficient (r) $\geq$ 0.995 or the determination coefficient (R^2) $\geq$ 0.990, the calibration is linear. Reasonable quadratic curves may be used when the calibration is not linear. Sample concentrations were determined from the plot labelled "GASOLINE" by comparing the total area observed for component peaks eluting between the retention times of 2-methylpentane and 1,2,4-trimethylbenzene to the corresponding concentration (amount) in ug/L or ug/Kg. The surrogate standard, a,a,a-trifluorotoluene, elutes within the GRO window. Its area is subtracted from the total area observed.

4) CLP reporting forms were used, although CLP protocols were not followed for sample analysis.

5) The "date received" that appears on Form 1 is actually the date of sample collection.

CASE COMMENTS
AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST246
DIESEL RANGE ORGANICS

AIR FORCE IRP
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST246
DIESEL RANGE ORGANICS DATA PACKAGE

1) The samples in this data package were analyzed by protocols that are to meet the requirements of "Handbook to Support the Installation Restoration Program (IRP) Statements of Work", May 1991 and any project-specific requirements. The requirements for analysis and reporting are specified in the laboratory quality assurance plan for AFCEE as modified by the Sampling and Analysis Plan.

2) Diesel range organics (DRO) analyses were conducted by extracting one liter of an aqueous sample or 30 grams of a soil sample with methylene chloride. The resulting extracts were concentrated to 1 mL and analyzed by chromatography. A Hewlett-Packard 5890 gas chromatograph fitted with a 30 meter, 0.53 mm ID RTX-5 (megabore) capillary column, and equipped with a flame ionization detector was used to complete sample analyses.

3) A 5-point calibration was performed for DRO analysis using a ten-component standard mix. For each level of calibration, the areas observed for the peaks were summed. The sum of the peaks for each concentration level was plotted against the concentration (ug/mL). Sample concentrations were determined from the plot labelled "DRO" by comparing the total area observed for component peaks eluting between the retention times of decane and octacosane to the corresponding concentration from the calibration curve. The surrogate standard, n-pentacosane, elutes withing the DRO window. The area of n-pentacosane is subtracted from the total area observed for calibration standards and samples.

4) CLP reporting forms were used, although CLP protocols were not followed for sample analysis.

5) The "date received" that appears on Form 1 is actually the date of sample collection.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST246
METALS DATA PACKAGE

CASE COMMENTS
AIR FORCE IRP
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST246
METALS

1) The samples in this package were analyzed by protocols to meet the requirements of "Handbook to Support the Installation Restoration Program (IRP) Statements of Work," May 1991 and any project-specific requirements. The requirements for analysis and reporting are specified in the laboratory quality assurance plan for AFCEE as modified by the Sampling and Analysis Plan.

2) CLP reporting forms were used even though CLP protocol are not required for the analyses. Data qualifiers, as specified in the table immediately following the Cover Page, are used on reporting forms according to CLP requirements; although these requirements may not be specific to AFCEE reporting procedures.

3) The "date received" that appears on Forms 1s is actually the date of sample collection.

4) AFCEE protocol requires duplicate laboratory control standards (LCS/LCSD) as a means of obtaining precision and accuracy on each batch. In addition, MS/MSD are required instead of duplicate/matrix spikes. Therefore, the following CLP reporting forms were used to report LCS/LCSD and MS/MSD data.

   - Two separate Form 5-As for recoveries for matrix spike and matrix spike duplicate.
   - Form 6 (one each) for RPDs for MS/MSD and LCS/LCSD.
   - Form 7 (two) for recoveries for LCS/LCSD.

5) A CRDL standard was analyzed for all required analytes. As recovery limits have not been established for the CRDL standard, the results, as obtained, are reported on Form 2B. No corrective action is required for high or low recovery situations. Percent recovery calculations are performed on the actual value, even if found to be below the IDL.

6) Times of analysis for instruments that do not provide this information (MAS50B) are estimated on Form 14 (Analytical Run Log).

7) Analyte field size restrictions resulted in Molybdenum being truncated to "Molybdenu" on the reporting forms.

8) The laboratory has procured and used a new LCS material (ERA Lot 219) with the soil samples in this SDG. The new material is physically different than previous solid LCS material and, consequently, yields recoveries for most metals substantially different than the previously established, statistically-based, control limits. Therefore, default control limits provided by the manufacturer of the material, Environmental Resource Associates, are used. These limits are listed in Form 7 of the case. The default control limits are being used until new statistically-based control limits can be established for the new solid control material. With the exception of aluminum, all metals are yielding recoveries within the default range. Aluminum, yielding an average of 154% from preliminary evaluations of the material (eight separate analyses referred by NIST SRM 2710), is believed to be true and accurate for the NUS Laboratory due to the nature of the new LCS material. Aluminum results are, therefore, reported with this apparent discrepancy until new statistically-based limits can be established.

9) The initial calibration blank associated with ICP analysis performed 04/07/94 yielded an unacceptable value for antimony. All samples associated with this analytical run were reanalyzed on 04/14/94 for antimony.

CASE COMMENTS
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST247
INORGANIC

1) The samples in this data package were analyzed by protocols that are to meet the requirements of "Handbook to Support the Installation Restoration Program (IRP) Statements of Work", May 1991 and any project-specific requirements. The requirements for analysis and reporting are specified in the laboratory quality assurance plan for AFCEE as modified by the Sampling and Analysis Plan.

2) CLP reporting forms were used even though CLP protocols are not required for the analyses. Data qualifiers, as specified in the table immediately following the Cover Page, are used on the reporting forms according to CLP requirements; although these requirements may not be specific to AFCEE reporting procedures.

3) The "date received" that appears on Form 1s is actually the date of sample collection.

4) AFCEE protocol requires duplicate laboratory control standards (LCS/LCSD) as a means of obtaining precision and accuracy on each batch. In addition, MS/MSD are required instead of duplicate/matrix spikes. Therefore, the following CLP reporting forms were used to report LCS/LCSD and MS/MSD data.

   - Two separate Form 5-As for recoveries for matrix spike and matrix spike duplicate.
   - Form 6 (one each) for RPDs for MS/MSD and LCS/LCSD.
   - Form 7 (two) for recoveries for LCS/LCSD.

5) The NUS Laboratory has recently revised the ICP and graphite furnace standard operating procedures in which a detection limit standard is no longer analyzed as a sample in each analysis run. Consequently, this data is not available on Form 2 (part 2). Alternatively, an additional low level PQL standard is used in the calibration of each instrument. The PQL standard is a requirement of the latest version of the Air Force IRP Handbook (September 1993). As with the detection limit standard used previously, the PQL calibration standard must be discernible from the blank.

6) Times of analysis for instruments that do not provide this information (MAS50B) are estimated on Form 14 (Analytical Run Log).

7) Analyte field size restrictions resulted in Molybdenum being truncated to "Molybdenu" on the reporting forms.

8) A quality control sample (MS/MSD) was not designated for the samples in this SDG. Therefore, data qualifiers and QC Forms V and VI for samples do not appear in the package. However, the soils in this SDG were batched with other AFCEE samples from which a QC sample was prepared. QC data on sample 238-02-0812 (NUS sample P274441) is available for use of data qualifiers and evaluation of results on soils in this package.

9) The NUS Laboratory has recently revised the recovery acceptance range for a high level standard analyzed as a sample readily after the calibration curve is established on the ICP. The recovery limits for this standard have been revised from 100 ± 10% to 100 ± 5% recovery. In addition, the use of a new, low-level PQL standard has been implemented in AFCEE protocol. Implementation of the PQL standard at the low end of the ICP calibration causes greater imprecision at the high end of the calibration curve due to the weighing used in calculating the calibration curve. Consequently, the narrower recovery limits for the high standard are more difficult to achieve for certain elements such as chromium, lead, and zinc. However, even with the PQL standard, the high standard still recover within the previous acceptance range of 90 to 110%. In addition, no samples were observed to yield results for these analytes any where near the high standard from the ICP analysis run of 06/12/94. Rather all sample results for these analytes were observed to be in the lower half of the ICP calibration curve in the region of greatest accuracy. Consequently, the data for these elements were acceptable.

10) Iron was observed in the preparation blank (NUS sample P276011) associated with the soils in this SDG at a concentration of 39.6 ug/kg. Although this value is greater than three times the maximum allowable detection limit specified in the project plan, all samples yielded iron results more than ten times this concentration level. Therefore, the data were acceptable.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST247
DIESEL RANGE ORGANICS DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST247
DIESEL RANGE ORGANICS (DRO)

1) Diesel range organics (DRO) analyses were conducted by extracting 1 liter of water or 30 grams of soil with methylene chloride. The extracts were concentrated to 1 mL and analyzed by gas chromatography. A Hewlett-Packard 5890 gas chromatograph fitted with a 30 meter, 0.53 mm ID (megabore) RTX-5 capillary column and equipped with a flame ionization detector was used to complete the analyses.

2) A 5-point calibration was performed for DRO using a 10-component synthetic standard mix. For each level of calibration, the areas observed for the peaks were summed. The sum of the peaks from each calibration level was plotted against the concentration (µg/mL). If the correlation coefficient (r) >0.995 or the determination coefficient (R^2) >0.990, the calibration is linear. Reasonable quadratic curves may be used when the calibration is not linear. Sample concentrations were determined from the plot labelled "DRO" by comparing the total area observed for component peaks eluting between the retention times of decane and octacosane to the corresponding concentration (amount) in µg/mL. This value is then corrected for extract volume, the volume or weight of sample extracted and the dilution factor (if any). The surrogate standard, n-pentacosane, elutes within the DRO window. Its area is subtracted from the total area observed.

3) Sample concentrations were calculated using the following formulas:

For Soils:

$$DRO\ (\mu g\ /Kg) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the weight of the sample extracted in kilograms.
DF = the dilution factor.

For Waters:

$$DRO\ (\mu g\ /L) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the volume of sample extracted in liters.
DF = the dilution factor.

4) The DRO surrogate spiking solution was prepared at a concentration of 104 µg/L. The data system's percent recovery was set up based upon a spiking solution of 100 µg/mL. The surrogate recoveries reported on the forms 2E are correct and based upon the 104 µg/mL surrogate spiking solution. For soils, the n-pentacosane concentration was corrected from µg/L to µg/kg. For example, sample 247010305 (P247406) had an n-pentacosane concentration of 107.46 µg/L. Since the final volume of the extract is 1 mL, this can be expressed as 107.46 µg/mL. For a soil extract, then,

$$107.46\ \mu g/mL \times 1\ mL \times \frac{1}{0.030\ kg} = 3580\ \mu g/kg\ or\ 103\%\ recovery.$$

None of the surrogate recovery calculations were corrected for % moisture.

5) Percent moistures were not determined for soil blanks or soil LCS/LCSDs. No blank or LCS/LCSD data were corrected for percent moisture.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST247
SEMIVOLATILES DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST247
SEMIVOLATILES

1) The samples in this package were analyzed by protocols to meet the requirements of the Air Force IRP/AFCEE as defined in "Handbook to Support the Installation Restoration Program (IRP) Statements of Work," May, 1991. These requirements are defined in the Sampling and Analysis Plan (SAP) as modified by any subsequent revisions.

2) The LCS/LCSD pair data were tabulated and reported as if they were MS/MSD. Each LCS/LCSD pair was given the name of the associated blank followed by either the MS (LCS) or MSD (LCSD) suffix. For example, water blank SBLKFS is associated with SBLKFSMS (LCS) and SBLKFSMSD.

3) Internal standard areas are reported for all sample analyses, but corrective action is required only if internal standard areas for a continuing calibration do not meet criteria a superfund in the SW-846 method.

4) No surrogate failures were noted.

5) The following compounds did not meet the 20.5% RSD criteria established for AFCEE protocol.

Instrument/Date and Time	Compound	% RSD
GCMSF / 6-14-94 / 1155	Benzo(k)fluoranthene	21.0

The initial calibrations are valid, since up to 4 non-CCCs may exceed the maximum %RSD, provided the %RSD for these compounds are ≤40.0%.

6) Lot #LA41854 of LCS/LCSD spiking solution obtained from Supelco, Inc. included several target analytes which were prepared in the cocktail at a concentration other than 100 µg/mL. For those compounds whose concentrations were determined to exceed 100 ± 5 µg/mL, their concentrations were corrected and the corrected concentrations were used to determine LCS/LCSD and MS/MSD recoveries.

7) Percent moistures were not determined for soil blanks and LCSs. The percent moisture field on the form 1s for these samples were left blank.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST247
INORGANIC DATA PACKAGE

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST248
DIESEL RANGE ORGANICS DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST248
DIESEL RANGE ORGANICS

1) Diesel range organics (DRO) analyses were conducted by extracting 1 liter of water or 30 grams of soil with methylene chloride. The extracts were concentrated to 1 mL and analyzed by gas chromatography. A Hewlett-Packard 5890 gas chromatograph fitted with a 30 meter, 0.53 mm ID (megabore) RTX-5 capillary column and equipped with a flame ionization detector was used to complete the analyses.

2) A 5-point calibration was performed for DRO using a 10-component synthetic standard mix. For each level of calibration, the areas observed for the peaks were summed. The sum of the peaks from each calibration level was plotted against the concentration (µg/mL). If the correlation coefficient (r) >0.995 or the determination coefficient (R^2) >0.990, the calibration is linear. Reasonable quadratic curves may be used when the calibration is not linear. Sample concentrations were determined from the plot labelled "DRO" by comparing the total area observed for component peaks eluting between the retention times of decane and octacosane to the corresponding concentration (amount) in µg/mL. This value is then corrected for extract volume, the volume or weight of sample extracted and the dilution factor (if any). The surrogate standard, n-pentacosane, elutes within the DRO window. Its area is subtracted from the total area observed.

3) Sample concentrations were calculated using the following formulas:

For Soils:

$$DRO\ (\mu g\ /Kg) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the weight of the sample extracted in kilograms.
DF = the dilution factor.

For Waters:

$$DRO\ (\mu g\ /L) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the volume of sample extracted in liters.
DF = the dilution factor.

4) The DRO surrogate spiking solution was prepared at a concentration of 104 µg/mL. The data system's percent recovery was set-up based upon a spiking solution of 100 µg/mL. The surrogate recoveries reported on the Forms 2E are correct and based upon the 104 µg/mL surrogate spiking solution. For soils, the n-pentacosane concentration was corrected from µg/L to µg/kg. For example, sample 248010911 (P275274) had an n-pentacosane concentration of 122.09 µg/L. Since the final volume of the extract is 1 mL, this can be expressed as 100.72 µg/mL. For a soil extract, then

$$127.09\ \mu g/mL \times 1\ mL \times \frac{1}{0.030\ kg} = 4240\ \mu g/kg\ or\ 122\%\ recovery.$$

None of the surrogate recovery calculations were corrected for % moisture.

5) Percent moistures were not determined for soil blanks or soil LCS/LCSDs. No blank or LCS/LCSD data were corrected for percent moisture.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST248
INORGANIC DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST248
INORGANIC

1) The samples in this data package were analyzed by protocols that are to meet the requirements of "Handbook to Support the Installation Restoration Program (IRP) Statements of Work", May 1991 and any project-specific requirements. The requirements for analysis and reporting are specified in the laboratory quality assurance plan for AFCEE as modified by the Sampling and Analysis Plan.

2) CLP reporting forms were used even though CLP protocols are not required for the analyses. Data qualifiers, as specified in the table immediately following the Cover Page, are used on the reporting forms according to CLP requirements; although these requirements may not be specific to AFCEE reporting procedures.

3) The "date received" that appears on Form 1s is actually the date of sample collection.

4) AFCEE protocol requires duplicate laboratory control standards (LCS/LCSD) as a means of obtaining precision and accuracy on each batch. In addition, MS/MSD are required instead of duplicate/matrix spikes. Therefore, the following CLP reporting forms were used to report LCS/LCSD and MS/MSD data.

   - Two separate Form 5-As for recoveries for matrix spike and matrix spike duplicate.
   - Form 6 (one each) for RPDs for MS/MSD and LCS/LCSD.
   - Form 7 (two) for recoveries for LCS/LCSD.

5) The NUS Laboratory has recently revised the ICP and graphite furnace standard operating procedures in which a detection limit standard is no longer analyzed as a sample in each analysis run. Consequently, this data is not available on Form 2 (part 2). Alternatively, an additional low level PQL standard is used in the calibration of each instrument. The PQL standard is a requirement of the latest version of the Air Force IRP Handbook (September 1993). As with the detection limit standard used previously, the PQL calibration standard must be discernible from the blank.

6) Times of analysis for instruments that do not provide this information (MAS50B) are estimated on Form 14 (Analytical Run Log).

7) Analyte field size restrictions resulted in Molybdenum being truncated to "Molybdenu" on the reporting forms.

8) A quality control sample (MS/MSD) was not designated for the samples in this SDG. However, AFCEE samples 248-03-0305 (NUS sample P275278) and 248-05-0810 (NUS sample P275284) were digested and analyzed as solid QC samples for all elements except mercury.

9) The LCS/LCSD associated the soils in preparation batch 26686 yielded poor recoveries on aluminum, chromium, potassium, and lead. In addition, poor precision was observed for antimony on these control standards. Consequently, all samples were reprepared on 06/16/94 in preparation batch 26767 and reanalyzed for these elements by ICP on 06/19/94. Reanalyses of batch 26767 yielded acceptable results for these elements.

10) The NUS Laboratory has recently revised the recovery acceptance range for a high level standard analyzed as a sample readily after the calibration curve is established on the ICP. The recovery limits for this standard have been revised from 100 ± 10% to 100 ± 5% recovery. In addition, the use of a new, low-level PQL standard has been implemented in AFCEE protocol. Implementation of the PQL standard at the low end of the ICP calibration causes greater imprecision at the high end of the calibration curve due to the weighting used in calculating the calibration curve. Consequently, the narrower recovery limits for the high standards are more difficult to achieve for certain elements such as chromium, lead, and zinc as occurred in the ICP analysis run of 06/12/94. However, even with the PQL standard, the high standard still recovered within the previous acceptance range of 90 to 110%. In addition, no samples were observed to yield results for these analytes anywhere near the high standard from the ICP analysis run of 06/12/94. Rather all sample results for these analytes were observed to be in the lower half of the ICP calibration curve in the region of greatest accuracy. Consequently, the data for these elements were acceptable.

11) An LCSD for mercury was not prepared with the soil samples in this SDG due to confusion over which version of AFCEE protocol was applicable. The September 1993 version of the Air Force IRP Handbook no longer required an LCSD and this protocol has been implemented for some AFCEE samples in the laboratory. Consequently, this omission is not believed to jeopardize the mercury results on soils in this package.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST248
PESTICIDE/PCB DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST248
PESTICIDE/PCB

1) Analysis for this package was performed on a Varian GC model 3400 with both primary and conformational columns installed. A single 2 µL injection was made on column and split to the Rtx-1701 and Rtx-35 columns, here referred to as column A and B, respectively.

2) The pesticide spiking mixture (2-310-90-196) used in preparing the LCS and LCSD in extraction batch 26613 was prepared with an Alpha-BHC concentration of 0.2 µg/ml instead of 0.1 µg/ml and an Endosulfan I concentration of 2.18 µg/ml instead of 0.218 µg/ml. Due to the high concentration of Endosulfan I the retention time window was widened to identify and calculate this component in the LCS and LCSD only. Alpha-BHC and Endosulfan I recovered in the LCS and LCSD as follows:

	RTX-1701	RTX-35	LIMITS
LCS:			
Alpha-BHC	99%	94%	27-144%
Endosulfan I	118%	63%	34-164%
LCSD:			
Alpha-BHC	97%	92%	27-144%
Endosulfan I	118%	63%	34-164%

3) The following compound did not meet the 15%D criteria established for continuing calibrations:

Instrument	Date and Time	Compound	%D Rtx-1701	%D Rtx-35
GC2	6/13/94 - 14:13	Chlordane	8	19

The continuing calibration criteria was met for this compound on the Rtx-1701 column. Since the Rtx-1701 column is the primary column and the chlordane response increased on the Rtx-35 column, the analytical run was continued. The Rtx-35 column is used only for confirmational purposes.

4) The following aroclor did not meet the 15% D criteria established for continuing calibrations.

Instrument	Date and Time	Aroclor	%D Rtx-1701	%D Rtx-35
GC2	6/13/94 - 14:42	PCB-1242	16	14

A new 5-point calibration for PCB-1242 was analyzed. This calibration passed all requirements on both columns. The analytical run was continued.

5) The following compound did not meet the 15% D criteria established for continuing calibrations.

Instrument	Date and Time	Compound	%D Rtx-1701	%D Rtx-35
GC2	6/13/94 - 15:12	Chlordane	2	16

The continuing calibration was met for this compound on the Rtx-1701 column. Since the Rtx-1701 column is the primary column and the chlordane response increased on the Rtx-35 column, the analytical run was continued. The Rtx-35 column is used only for confirmational purposes.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST248
SEMIVOLATILES DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST248
SEMIVOLATILES

1) The samples in this package were analyzed by protocols to meet the requirements of the Air Force IRP/AFCEE as defined in "Handbook to Support the Installation Restoration Program (IRP) Statements of Work," May, 1991. These requirements are defined in the Sampling and Analysis Plan (SAP) as modified by any subsequent revisions.

2) The LCS/LCSD pair data were tabulated and reported as if they were MS/MSD. Each LCS/LCSD pair was given the name of the associated blank followed by either the MS (LCS) or MSD (LCSD) suffix. For example, water blank SBLKFX is associated with SBLKFXMS (LCS) and SBLKFXMSD.

3) Internal standard areas are reported for all sample analyses, but corrective action is required only if internal standard areas for a continuing calibration do not meet criteria a superfund in the SW-846 method.

4) The following surrogate failures were noted.

Sample #	Sample ID	Date/Time of Analysis	Instrument	Surrogate	% Recovery	Recovery Limits %
P276149	SBLKFX	6-15-94 / 0304	GCMSF	Phenol-d_5	75	5-69

The high surrogate recovery was probably due to improvements made in the analytical technique (more frequent column cutting and changing of injection port lines). The observed surrogate recovery failure should have no adverse effect on the data.

5) The following compounds did not meet the 20.5% RSD criteria established for AFCEE protocol.

Instrument/Date and Time	Compound	% RSD
GCMSF / 6-10-94 / 1600	Benzo(k)fluoroanthene	24.4
GCMSF / 6-17-94 / 1429	Aceaphthylene 4-Chlorophenol-phenol ether Benzo(k)fluoranthene	21.6 24.1 35.9

The %RSD for up to four of the remaining compounds may exceed the %RSD limit, provided the %RSD for these compounds are ≤40.0%.

6) Lot #LA41854 of LCS/LCSD spiking solution obtained from Supelco, Inc. included several target analytes which were prepared in the cocktail at a concentration other than 100 µg/mL. For those compounds whose concentrations were determined to be different than 100 ± 5 µg/mL, their concentrations were corrected and the corrected concentrations were used to determine LCS/LCSD and MS/MSD recoveries.

7) Percent moistures were not determined for soil blanks and LCSs. The percent moisture field on the form 1s for this sample was left blank.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST249
SEMIVOLATILES DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST249
SEMIVOLATILES

1) The samples in this package were analyzed by protocols to meet the requirements of the Air Force IRP/AFCEE as defined in "Handbook to Support the Installation Restoration Program (IRP) Statements of Work," May, 1991. These requirements are defined in the Sampling and Analysis Plan (SAP) as modified by any subsequent revisions.

2) The LCS/LCSD pair data were tabulated and reported as if they were MS/MSD. Each LCS/LCSD pair was given the name of the associated blank followed by either the MS (LCS) or MSD (LCSD) suffix. For example, water blank SBLKFX is associated with SBLKFXMS (LCS) and SBLKFXMSD.

3) Internal standard areas are reported for all sample analyses, but corrective action is required only if internal standard areas for a continuing calibration do not meet criteria a superfund in the SW-846 method.

4) The following surrogate failures were noted.

Sample #	Sample ID	Date/Time of Analysis	Instrument	Surrogate	% Recovery	Recovery Limits %
P276149	SBLKFX	6-15-94 / 0804	GCMSF	Phenol-d_5	75	5-69
P275530 MSD	249032125 MSD	6-18-94 / 0654	GCMSF	Nitrobenzene-d_5 2-Fluorobiphenyl	88 88	54-85 50-86

The high surrogate recoveries were probably due to improvements made in the analytical technique (more frequent column cutting and changing of injection port lines). The observed surrogate recovery failure should have no adverse effect on the data.

5) The following compounds did not meet the 20.5% RSD criteria established for AFCEE protocol.

Instrument/Date and Time	Compound	% RSD
GCMSF / 6-10-94 / 1600	Benzo(k)fluoranthene	24.4
GCMSF / 6-17-94 / 1429	Acenaphthylene	21.6
	2-Chlorophenyl-phenylether	24.1
	Benzo(k)fluoranthene	35.9

The %RSD for up to 4 non-CCCs may exceed the %RSD limit, provided the %RSD for these compounds are ≤40.0%.

6) Lot #LA41854 of LCS/LCSD spiking solution obtained from Supelco, Inc. included several target analytes which were prepared in the cocktail at a concentration other than 100 µg/mL. For those compounds whose concentrations were determined to be different than 100 ± 5 µg/mL, their concentrations were corrected and the corrected concentrations were used to determine LCS/LCSD and MS/MSD recoveries.

7) Percent moistures were not determined for soil blanks and LCSs. The percent moisture field on the form 1s for these samples were left blank.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST249
PESTICIDE/PCB DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST249
PESTICIDE/PCB

1) Analysis for this package was performed on a Varian GC model 3400 with both primary and conformational columns installed. A single 2 µL injection was made on column and split to the Rtx-1701 and Rtx-35 columns, here referred to as column A and B, respectively.

2) The pesticide spiking mixture (2-310-90-196) used in preparing the LCS and LCSD in extraction batches 26610, 26613 and 26676 was prepared with an Alpha-BHC concentration of 0.2 µg/ml instead of 0.1 µg/ml and an Endosulfan I concentration of 2.18 µg/ml instead of 0.218 µg/ml. Due to the high concentration of Endosulfan I the retention time window was widened to identify and calculate this component in the LCSs and LCSDs only. Alpha-BHC and Endosulfan I recovered in the LCSs and LCSDs as follows:

	RTX-1701	RTX-35	LIMITS
Extraction Batch #: 26610		NUS Sample #: P276206	
LCS:			
Alpha-BHC	113%	98%	27-144%
Endosulfan I	123%	62%	34-164%
LCSD:			
Alpha-BHC	115%	101%	27-144%
Endosulfan I	125%	62%	34-164%
Extraction Batch #: 26613		NUS Sample #: P276212	
LCS:			
Alpha-BHC	99%	94%	27-144%
Endosulfan I	118%	63%	34-164%
LCSD:			
Alpha-BHC	97%	92%	27-144%
Endosulfan I	117%	63%	34-164%

	RTX-1701	RTX-35	LIMITS
Extraction Batch #: 26676		NUS Sample #: P276314	
LCS:			
Alpha-BHC	99%	88%	27-144%
Endosulfan I	93%	87%	34-164%
LCSD:			
Alpha-BHC	97%	85%	27-144%
Endosulfan I	93%	86%	34-164%

See NC/CAs #SA-G-94-000060, SA-G-94-000062, SA-G-94-000071.

3) The following compound did not meet the 15%D criteria established for continuing calibrations:

Instrument	Date and Time	Compound	%D Rtx-1701	%D Rtx-35
GC2	6/13/94 - 14:13	Chlordane	8	19

Chlordane met the continuing calibration criteria on the Rtx-1701 column. Since the Rtx-1701 column is the primary column, the analytical run was continued. The Rtx-35 column was used only for confirmational purposes. No chlordane was detected in any samples associated with this project.

4) The following aroclor did not meet the 15% D criteria established for continuing calibrations.

Instrument	Date and Time	Aroclor	%D Rtx-1701	%D Rtx-35
GC2	6/13/94 - 14:42	PCB-1242	16	14

A new 5-point calibration for PCB-1242 was analyzed. All calibration criteria for the aroclor were met on both columns.

5) In the individual A calibration mix, the following compound did not meet the 15%D criteria established for continuing calibrations:

Instrument	Date and Time	Compound	%D Rtx-1701	%D Rtx-35
GC2	6/13/94 - 449	Endrin Aldehyde	16	8

Since this failure occurred on the Rtx-1701 column, the analytical sequence was terminated and a new calibration performed.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST249
DIESEL RANGE ORGANICS DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST249
DIESEL RANGE ORGANICS

1) Diesel range organics (DRO) analyses were conducted by extracting 1 liter of water or 30 grams of soil with methylene chloride. The extracts were concentrated to 1 mL and analyzed by gas chromatography. A Hewlett-Packard 5890 gas chromatograph fitted with a 30 meter, 0.53 mm ID (megabore) RTX-5 capillary column and equipped with a flame ionization detector was used to complete the analyses.

2) A 5-point calibration was performed for DRO using a 10-component synthetic standard mix. For each level of calibration, the areas observed for the peaks were summed. The sum of the peaks from each calibration level was plotted against the concentration (µg/mL). If the correlation coefficient (r) >0.995 or the determination coefficient (R^2) >0.990, the calibration is linear. Reasonable quadratic curves may be used when the calibration is not linear. Sample concentrations were determined from the plot labelled "DRO" by comparing the total area observed for component peaks eluting between the retention times of decane and octacosane to the corresponding concentration (amount) in µg/mL. This value is then corrected for extract volume, the volume or weight of sample extracted and the dilution factor (if any). The surrogate standard, n-pentacosane, elutes within the DRO window. Its area is subtracted from the total area observed.

3) Sample concentrations were calculated using the following formulas:

For Soils:

$$DRO\ (\mu g\ /Kg) = \frac{A * B * DF,}{C}$$

Where:
A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the weight of the sample extracted in kilograms.
DF = the dilution factor.

For Waters:

$$DRO\ (\mu g\ /L) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the volume of sample extracted in liters.
DF = the dilution factor.

4) The DRO surrogate spiking solution was prepared at a concentration of 104 µg/mL. The data system's percent recovery was set-up based upon a spiking solution of 100 µg/mL. The surrogate recoveries reported on the Forms 2E are correct and based upon the 104 µg/mL surrogate spiking solution. For soils, the n-pentacosane concentration was corrected from µg/L to µg/kg. For example, sample 249010911 (P245522) had an n-pentacosane concentration of 100.72 µg/L. Since the final volume of the extract is 1 mL, this can be expressed as 100.72 µg/mL. For a soil extract, then

$$130.95\ \mu g/mL \times 1\ mL \times \frac{1}{0.030\ kg} = 4360\ \mu g/kg\ or\ 126\%\ recovery.$$

None of the surrogate recovery calculations were corrected for % moisture.

5) Percent moistures were not determined for soil blanks or soil LCS/LCSDs. No blank or LCS/LCSD data were corrected for percent moisture.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST249
INORGANIC DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST249
INORGANIC

1) The samples in this data package were analyzed by protocols that are to meet the requirements of "Handbook to Support the Installation Restoration Program (IRP) Statements of Work", May 1991 and any project-specific requirements. The requirements for analysis and reporting are specified in the laboratory quality assurance plan for AFCEE as modified by the Sampling and Analysis Plan.

2) CLP reporting forms were used even though CLP protocols are not required for the analyses. Data qualifiers, as specified in the table immediately following the Cover Page, are used on the reporting forms according to CLP requirements; although these requirements may not be specific to AFCEE reporting procedures.

3) The "date received" that appears on Form 1s is actually the date of sample collection.

4) AFCEE protocol requires duplicate laboratory control standards (LCS/LCSD) as a means of obtaining precision and accuracy on each batch. In addition, MS/MSD are required instead of duplicate/matrix spikes. Therefore, the following CLP reporting forms were used to report LCS/LCSD and MS/MSD data.

   - Two separate Form 5-As for recoveries for matrix spike and matrix spike duplicate.
   - Form 6 (one each) for RPDs for MS/MSD and LCS/LCSD.
   - Form 7 (two) for recoveries for LCS/LCSD.

5) The NUS Laboratory has recently revised the ICP and graphite furnace standard operating procedures in which a detection limit (CRDL) standard is no longer analyzed as a sample in each analysis run. Consequently, this data is not available on Form 2 (part 2). Alternatively, an additional low level PQL standard is used in the calibration of each instrument. The PQL standard is a requirement of the latest version of the Air Force IRP Handbook (September 1993). As with the detection limit standard used previously, the PQL calibration standard must be discernible from the blank.

6) Times of analysis for instruments that do not provide this information (MAS50B) are estimated on Form 14 (Analytical Run Log).

7) Analyte field size restrictions resulted in Molybdenum being truncated to "Molybdenu" on the reporting forms.

8) The solid laboratory control standard associated with some samples in this SDG in preparation batch 26720 yielded recoveries for several elements just outside their statistically-based control limits. However, the data for these elements were accepted for the following reasons. The statistics used to generate the control limits is deferent in that a small population of results was used to calculate the control limits. Consequently, the control limits are artificially narrow. Indeed, the control limits for the elements in question on the solid LCS are more narrow than acceptance criteria on various process control variables that affect the outcome of the results on the LCS. For example, the acceptance window for continuing calibration standards is 100 ± 10% recovery on ICP, the method used to obtain the data. The control limits on the solid LCS are even more narrow than this, although depending on how the instrument is running (as determined by results on calibration standards), the results on the LCS that recovered within 10% of the laboratory established mean were accepted.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST250
DIESEL RANGE ORGANICS DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST250
DIESEL RANGE ORGANICS (DRO)

1) Diesel range organics (DRO) analyses were conducted by extracting 1 liter of water or 30 grams of soil with methylene chloride. The extracts were concentrated to 1 mL and analyzed by gas chromatography. A Hewlett-Packard 5890 gas chromatograph fitted with a 30 meter, 0.53 mm ID (megabore) RTX-5 capillary column and equipped with a flame ionization detector was used to complete the analyses.

2) A 5-point calibration was performed for DRO using a 10-component synthetic standard mix. For each level of calibration, the areas observed for the peaks were summed. The sum of the peaks from each calibration level was plotted against the concentration (µg/mL). If the correlation coefficient (r) >0.995 or the determination coefficient (R^2) >0.990, the calibration is linear. Reasonable quadratic curves may be used when the calibration is not linear. Sample concentrations were determined from the plot labelled "DRO" by comparing the total area observed for component peaks eluting between the retention times of decane and octacosane to the corresponding concentration (amount) in µg/mL. This value is then corrected for extract volume, the volume or weight of sample extracted and the dilution factor (if any). The surrogate standard, n-pentacosane, elutes within the DRO window. Its area is subtracted from the total area observed.

3) Sample concentrations were calculated using the following formulas:

For Soils:

$$DRO\ (\mu g\ /Kg) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the weight of the sample extracted in kilograms.
DF = the dilution factor.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST250
DIESEL RANGE ORGANICS DATA PACKAGE
PAGE 2

For Waters:

$$DRO\ (\mu g/L) = \frac{A * B * DF,}{C}$$

Where:
A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the volume of sample extracted in liters.
DF = the dilution factor.

4) The DRO surrogate spiking solution was prepared at a concentration of 102 µg/mL. The data system's percent recovery was set-up based upon a spiking solution of 100 µg/mL. The surrogate recoveries reported on the form 2B are correct and based upon the 102 µg/mL surrogate spiking solution. For soils, the n-pentacosane concentration was corrected from µg/L to µg/kg. For example, sample 250010810 (P272176) had an n-pentacosane concentration of 91.83 µg/L. Since the final volume of the extract is 1 mL, this can be expressed on 91.83 µg/mL. For a soil extract, then,

$$91.83\ \mu g/mL \times 1\ mL \times \frac{1}{0.050\ kg} = 3{,}060\ \mu g/kg\ or\ 90\%\ recovery$$

None of the surrogate recovery calculations were corrected for % moisture.

5) Percent moistures were not determined for soil blanks or soil LCS/LCSDs. No blank or LCS/LCSD data were corrected for percent moisture.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST2S0
SEMIVOLATILES DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST250
SEMIVOLATILES

1) The samples in this package were analyzed by protocols to meet the requirements of the Air Force IRP/AFCEE as defined in "Handbook to Support the Installation Restoration Program (IRP) Statements of Work," May, 1991. These requirements are defined in the Sampling and Analysis Plan (SAP) as modified by any subsequent revisions.

2) The LCS/LCSD pair data were tabulated and reported as if they were MS/MSD. Each LCS/LCSD pair was given the name of the associated blank followed by either the MS (LCS) or MSD (LCSD) suffix. For example, water blank SBLKGS is associated with SBLKGSMS (LCS) and SBLKGSMSD.

3) LCS/LCSD pair data acceptance criteria include the stipulation that the data are acceptable as long as no more than 25% of the data fail recovery or RPD criteria. No LCS/LCSD pairs in this case were unacceptable.

4) Internal standard areas are reported for all sample analyses, but corrective action is required only if internal standard areas for a continuing calibration do not meet criteria a superfund in the SW-846 method.

5) The following surrogate failures were noted.

P273707 MSD	SBLKGSMSD	5-26-94 / 20:34	GCMSG	Phenol-d_5 2-Fluorobiphenyl	98 88	48-97 54-85
P272176	250010810	5-27-94 / 16:08	GCMSG	Phenol-d_5	99	48-97

The high surrogate recoveries were probably due to improvements made in the analytical technique (frequent column cutting and changing of injection port lines). The observed surrogate recovery failure should have no adverse effect on the data.

6) The following compounds did not meet the 20.5% RSD criteria established for AFCEE protocol.

GCMSG / 5-23-94, 1206	Bis(2-chloroethyl)ether Benzo(k)fluoranthene Phenol-d_5	24.5 20.7 21.7

The initial calibration was still valid. Up to 4 compounds may exceed the % RSD criteria.

7) The following compounds did not meet the 25% D established for continuing calibrations for the AFCEE protocol:

GCMSG / 6-1-94, 0958	2-Chloronaphthalene 2,6-Dinitrotoluene	-30.3 -40.4

The continuing calibration is valid. Up to 4 compounds may exhibit an RSO >25%, as long as none exceed 40%. Even though the %RSD of 2,6-dinitrotoluene did exceed 40%, the only target analyte found in any of the samples in this case was di-n-butylphthalate.

8) Lot #LA41854 of LCS/LCSD spiking solution obtained from Supelco, Inc. included several target analytes which were prepared in the cocktail at a concentration other than 100 µg/mL. For those compounds whose concentrations were determined to be different than 100 ± 5 µg/mL, their concentrations were corrected and the corrected concentrations were used to determine LCS/LCSD and MS/MSD recoveries.

9) Percent moistures were not determined for soil blanks and LCS's. The percent moisture field on the form 1s for these samples was left blank.

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST250
INORGANIC

1) The samples in this data package were analyzed by protocols that are to meet the requirements of "Handbook to Support the Installation Restoration Program (IRP) Statements of Work", May 1991 and any project-specific requirements. The requirements for analysis and reporting are specified in the laboratory quality assurance plan for AFCEE as modified by the Sampling and Analysis Plan.

2) CLP reporting forms were used even though CLP protocols are not required for the analyses. Data qualifiers, as specified in the table immediately following the Cover Page, are used on the reporting forms according to CLP requirements; although these requirements may not be specific to AFCEE reporting procedures.

3) The "date received" that appears on Form 1s is actually the date of sample collection.

4) AFCEE protocol requires duplicate laboratory control standards (LCS/LCSD) as a means of obtaining precision and accuracy on each batch. In addition, MS/MSD are required instead of duplicate/matrix spikes. Therefore, the following CLP reporting forms were used to report LCS/LCSD and MS/MSD data.

   - Two separate Form 5-As for recoveries for matrix spike and matrix spike duplicate.
   - Form 6 (one each) for RPDs for MS/MSD and LCS/LCSD.
   - Form 7 (two) for recoveries for LCS/LCSD.

5) A CRDL standard was analyzed for all required analytes. As recovery limits have not been established for the CRDL standard, the results, as obtained, are reported on Form 2B. No corrective action is required for high or low recovery situations. Percent recovery calculations are performed on the actual value, even if found to be below the IDL.

6) Times of analysis for instruments that do not provide this information (MAS50B) are estimated on Form 14 (Analytical Run Log).

7) Analyte field size restrictions resulted in Molybdenum being truncated to "Molybdenu" on the reporting forms.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST250
INORGANIC DATA PACKAGE

OCT 26 '94 08:30AM E & E ENVIRONMENTAL

Rocky Mountain
Analytical Laboratory

Enseco

May 27, 1994

Mr. Charles Kovach
Halliburton NUS Corp.
5350 Campbell Run Rd.
Pittsburgh, PA 15205

Dear Mr. Kovach:

Enclosed is the report for 2 aqueous and 12 soil samples received at Enseco-Rocky Mountain Analytical Laboratory on May 7, 1994.

Included with the report is a quality control summary.

Please call if you have any questions.

Sincerely,

Karen Germann
Project Administrator

Reviewed by:

Julieann L. Kramer
Program Manager

KG/JLK
Enclosures

RMAL #035308

Enseco
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CASE COMMENTS
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST250
INORGANIC
PAGE 2

8) The laboratory has procured and used a new LCS material (ERA Lot 219) with the soil samples in this SDG. The new material is physically different than previous solid LCS material and, consequently, yields recoveries for most metals substantially different than the previously established, statistically-based, control limits. Therefore, default control limits provided by the manufacturer of the material, Environmental Resource Associates, are used. These limits are listed in Form 7 of the case. The default control limits are being used until new statistically-based control limits can be established for the new solid control material. With the exception of aluminum, all metals are yielding recoveries within the default range. Aluminum, yielding an average of 154% from preliminary evaluations of the material (eight separate analyses referred by NIST SRM 2710), is believed to be true and accurate for the NUS Laboratory due to the nature of the new LCS material. Aluminum results are, therefore, reported with this apparent discrepancy until new statistically-based limits can be established.

9) A quality control sample (MS/MSD) was not designated for the samples in this SDG. However, the AFCEE sample 250-01-1317 (NUS sample P272177) was digested and analyzed as the solid QC sample for all metals.

10) The ninth continuing calibration verification standard (CCV9) associated with ICP analysis of 05/16/94 yielded recoveries outside control limits for potassium and sodium. However, none of the samples in this SDG are affected.

Enseco

IV. QUALITY CONTROL REPORT

The Enseco laboratories operate under a vigorous QA/QC program designed to ensure the generation of scientifically valid, legally defensible data by monitoring every aspect of laboratory operations. Routine QA/QC procedures include the use of approved methodologies, independent verification of analytical standards, use of duplicate Laboratory Control Samples to assess the precision and accuracy of the methodology on a routine basis, and a rigorous system of data review.

The standard laboratory QC package is designed to:

1) establish a strong, cost-effective QC program that ensures the generation of scientifically valid, legally defensible data

2) assess the laboratory's performance of the analytical method using control limits generated with a well-defined matrix

3) establish clear-cut guidelines for acceptability of analytical data so that QC decisions can be made immediately at the bench, and

4) provide a standard set of reportables which assures the client of the quality of his data.

The Enseco QC program is based upon monitoring the precision and accuracy of an analytical method by analyzing a set of Duplicate Control Samples (DCS) at frequent, well-defined intervals. Each DCS is a well-characterized matrix which is spiked with target compounds at 5-100 times the reporting limit, depending upon the methodology being monitored. The purpose of the DCS is not to duplicate the sample matrix, but rather to provide an interference-free, homogeneous matrix from which to gather data to establish control limits. These limits are used to determine whether data generated by the laboratory on any given day is in control.

ST 250

Enseco

SAMPLE DESCRIPTION INFORMATION
for
NUS LABORATORY

Lab ID	Client ID		Matrix	Sampled Date	Sampled Time	Received Date
035308-0001-TB	FIELD QC	(0.00,0.00)	WATER-QA	06 MAY 94	08:00	07 MAY 94
035308-0002-EB	FIELD QC	(0.00,0.00)	WATER-QA	06 MAY 94	07:45	07 MAY 94
035308-0003-SA	ST263-06	(3.00,5.00)	SOIL	06 MAY 94	09:11	07 MAY 94
035308-0004-SA	ST263-06	(8.00,10.00)	SOIL	06 MAY 94	09:25	07 MAY 94
035308-0005-SA	ST263-07	(3.00,5.00)	SOIL	06 MAY 94	09:50	07 MAY 94
035308-0006-SA	ST263-07	(8.00,10.00)	SOIL	06 MAY 94	10:05	07 MAY 94
035308-0007-SA	ST250-01	(8.00,10.00)	SOIL	06 MAY 94	13:10	07 MAY 94
035308-0008-SA	ST250-01	(13.00,17.00)	SOIL	06 MAY 94	13:30	07 MAY 94
035308-0008-MS	ST250-01	(13.00,17.00)	SOIL	06 MAY 94	13:30	07 MAY 94
035308-0008-SD	ST250-01	(13.00,17.00)	SOIL	06 MAY 94	13:30	07 MAY 94
035308-0009-SA	ST250-02	(8.00,13.00)	SOIL	06 MAY 94	14:27	07 MAY 94
035308-0010-FR	ST250-99	(8.00,13.00)	SOIL	06 MAY 94	14:27	07 MAY 94
035308-0011-SA	ST250-02	(13.00,15.00)	SOIL	06 MAY 94	14:48	07 MAY 94
035308-0012-FR	ST250-99	(8.00,10.00)	SOIL	06 MAY 94	13:10	07 MAY 94

Enseco

QC LOT ASSIGNMENT REPORT
Volatile Organics by GC/MS

Laboratory Sample Number	QC Matrix	QC Category	QC Lot Number (DCS)	QC Run Number (SCS/BLANK)
035308-0001-TB	AQUEOUS	8240-AF-A	19 MAY 94-J	19 MAY 94-J
035308-0002-EB	AQUEOUS	8240-AF-A	19 MAY 94-J	19 MAY 94-J
035308-0003-SA	SOIL	8240-AF-S	22 MAY 94-J	22 MAY 94-J
035308-0004-SA	SOIL	8240-AF-S	19 MAY 94-J	19 MAY 94-J
035308-0005-SA	SOIL	8240-AF-S	19 MAY 94-J	19 MAY 94-J
035308-0006-SA	SOIL	8240-AF-S	19 MAY 94-J	19 MAY 94-J
035308-0007-SA	SOIL	8240-AF-S	19 MAY 94-J	19 MAY 94-J
035308-0008-SA	SOIL	8240-AF-S	19 MAY 94-J	19 MAY 94-J
035308-0008-MS	SOIL	8240-AF-S	20 MAY 94-J	20 MAY 94-J
035308-0008-SD	SOIL	8240-AF-S	19 MAY 94-J	19 MAY 94-J
035308-0009-SA	SOIL	8240-AF-S	19 MAY 94-J	19 MAY 94-J
035308-0010-FR	SOIL	8240-AF-S	19 MAY 94-J	19 MAY 94-J
035308-0011-SA	SOIL	8240-AF-S	19 MAY 94-J	19 MAY 94-J
035308-0012-FR	SOIL	8240-AF-S	19 MAY 94-J	19 MAY 94-J

Control limits for accuracy (percent recovery) are based on the average, historical percent recovery +/- 3 standard deviation units. Control limits for precision (relative percent difference) range from 0 (identical duplicate DCS results) to the average, historical relative percent difference + 3 standard deviation units. These control limits are fairly narrow based on the consistency of the matrix being monitored and are updated on a quarterly basis.

For each batch of samples analyzed, an additional control measure is taken in the form of a Single Control Sample (SCS). The SCS consists of a control matrix that is spiked with surrogate compounds appropriate to the method being used. In cases where no surrogate is available, (e.g., metals or conventional analyses) a single DCS serves as the control sample. An SCS is prepared for each sample lot for which the DCS pair are not analyzed. The recovery of the SCS is charted in exactly the same manner as described for the DCS, and provides a daily check on the performance of the method.

Accuracy for DCS and SCS is measured by Percent Recovery.

$$\% \text{ Recovery} = \frac{\text{Measured Concentration}}{\text{Actual Concentration}} \times 100$$

Precision for DCS is measured by Relative Percent Difference (RPD).

$$\text{RPD} = \frac{|\ \text{Measured Concentration DCS1} - \text{Measured Concentration DCS2}\ |}{(\text{Measured Concentration DCS1} + \text{Measured Concentration DCS2})/2} \times 100$$

All samples analyzed concurrently by the same test are assigned the same QC lot number. Projects which contain numerous samples, analyzed over several days, may have multiple QC lot numbers associated with each test. The QC information which follows includes a listing of the QC lot numbers associated with each of the samples reported, DCS and SCS (where applicable) recoveries from the QC lots associated with the samples, and control limits for these lots. The QC data is reported by test code, in the order that the tests are reported in the analytical results section of this report.

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST251
DIESEL RANGE ORGANICS (DRO)

1) Diesel range organics (DRO) analyses were conducted by extracting 1 liter of water or 30 grams of soil with methylene chloride. The extracts were concentrated to 1 mL and analyzed by gas chromatography. A Hewlett-Packard 5890 gas chromatograph fitted with a 30 meter, 0.53 mm ID (megabore) RTX-5 capillary column and equipped with a flame ionization detector was used to complete the analyses.

2) A 5-point calibration was performed for DRO using a 10-component synthetic standard mix. For each level of calibration, the areas observed for the peaks were summed. The sum of the peaks from each calibration level was plotted against the concentration (µg/mL). If the correlation coefficient (r) >0.995 or the determination coefficient (R^2) >0.990, the calibration is linear. Reasonable quadratic curves may be used when the calibration is not linear. Sample concentrations were determined from the plot labelled "DRO" by comparing the total area observed for component peaks eluting between the retention times of decane and octacosane to the corresponding concentration (amount) in µg/mL. This value is then corrected for extract volume, the volume or weight of sample extracted and the dilution factor (if any). The surrogate standard, n-pentacosane, elutes within the DRO window. Its area is subtracted from the total area observed.

3) Sample concentrations were calculated using the following formulas:

For Soils:

$$DRO\ (\mu g\ /Kg) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the weight of the sample extracted in kilograms.
DF = the dilution factor.

AIR FORCE IRP
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DIESEL RANGE ORGANICS DATA PACKAGE

7) The following samples were extracted outside of the 14 day holding time for soils on the 7 day holding time for waters.

Sample ID	Sample #	Matrix
EB251051094	P272948	Water
251010507	P272949	Soil
251011013	P272950	Soil
251020507	P272951	Soil
251030507	P272953	Soil
251031012	P272954	Soil

The samples were extracted outside of holding time due to an inadvertent oversight by the project manager which resulted in them not being removed from "HOLD" status.

For Waters:

$$DRO\ (\mu g\ /L) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the volume of sample extracted in liters.
DF = the dilution factor.

4) The DRO surrogate spiking solution was prepared at a concentration of 102 µg/mL. The data system's percent recovery was set-up based upon a spiking solution of 100 µg/mL. The surrogate recoveries reported on the form 2E are correct and based upon the 104 µg/mL surrogate spiking solution. For soils, the n-pentacosane concentration was corrected from µg/L to µg/kg. For example, sample 251010507 (P272949) had an n-pentacosane concentration of 56.90 µg/L. Since the final volume of the extract is 1 mL, this can be expressed on 56.90 µg/mL. For a soil extract, then,

$$56.90\ \mu g/mL \times 1\ mL \times \frac{1}{0.050\ kg} = 1900\ \mu g/kg\ or\ 56\%\ recovery.$$

None of the surrogate recovery calculations were corrected for % moisture.

5) Percent moistures were not determined for soil blanks or soil LCS/LCSDs. No blank or LCS/LCSD data were corrected for percent moisture.

6) A water LCSD was not extracted on 5/27/94. Its omission was an inadvertent oversight by the extraction laboratory. The LCS recovery was acceptable and all of the surrogate recoveries observed for the sample extracts were within the QC limits. The only sample associated with the LCS was an equipment blank. The data quality should not be adversely affected.

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST251
SEMIVOLATILES

1) The samples in this package were analyzed by protocols to meet the requirements of the Air Force IRP/AFCEE as defined in "Handbook to Support the Installation Restoration Program (IRP) Statements of Work," May, 1991. These requirements are defined in the Sampling and Analysis Plan (SAP) as modified by any subsequent revisions.

2) The LCS/LCSD pair data were tabulated and reported as if they were MS/MSD. Each LCS/LCSD pair was given the name of the associated blank followed by either the MS (LCS) or MSD (LCSD) suffix. For example, soil blank SBLKFJ is associated with SBLKFJMS (LCS) and SBLKFJMSD.

3) Internal standard areas are reported for all sample analyses, but corrective action is required only if internal standard areas for a continuing calibration do not meet criteria a superfund in the SW-846 method.

4) The following surrogate failures were noted.

Sample #	Sample ID	Date/Time of Analysis	Instrument	Surrogate	% Recovery	Recovery Limits %
P275028MS	SBLKFSMS	6-1-94 / 22:30	GCMSF	Nitrobenzene-d_5	87	54-85
P275028 MSD	SBLKFJMSD	6-1-94 / 23:10	GCMSF	Nitrobenzene-d_5	88	54-85

Page 000136 was removed from this data package during data review.

The high surrogate recoveries were probably due to improvements made in the analytical technique (frequent column cutting and changing of injection port lines). The observed surrogate recovery failure should have no adverse effect on the data.

5) The following compounds did not meet the 20.5% RSD criteria established for AFCEE protocol.

Instrument/Date and Time	Compound	% RSD
GCMSF / 5-31-94, 1731	Benzo(k)fluoroanthene	22.6

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The calibration is still valid, since up to 4 non-CCCs may exceed the %RSD criteria as long as their RSDs are ≤40.0%.

6) The following compounds did not meet the 25% D established for continuing calibrations for the AFCEE protocol:

Instrument/Date and Time	Compound	%D
GCMSF / 5-31-94, 11:57	4-Methylphenol	36.1
GCMSF / 6-2-94, 11:06	2,4,5-Trichlorophenol 2,4-Dinitrotoluene	-36.1 -29.1

The continuing calibration is still valid, since up to 4 non-CCCs may exceed the maximum %D criteria, provided the RRF for these compounds are ≥0.010 and the %D are ≤40%.

7) Lot #LA41854 of LCS/LCSD spiking solution obtained from Supelco, Inc. included several target analytes which were prepared in the cocktail at a concentration other than 100 µg/mL. For those compounds whose concentrations were determined to be different than 100 ± 5 µg/mL, their concentrations were corrected and the corrected concentrations were used to determine LCS/LCSD and MS/MSD recoveries.

8) Percent moistures were not determined for soil blanks and LCS's. The percent moisture filed on the form 1s for these samples were left blank.

9) No water LCSD was extracted on 5/26/94 due to an inadvertent oversight by the extraction laboratory. The only sample affected was an equipment blank, EB251051094 (P272948). No adverse effect on the data is expected. All sample surrogate recoveries were acceptable, and no target analytes were detected in the sample extract.

8) The laboratory has procured and used a new LCS material (ERA Lot 219) with the soil samples in this SDG. The new material is physically different than previous solid LCS material and, consequently, yields recoveries for most metals substantially different than the previously established, statistically-based, control limits. Therefore, default control limits provided by the manufacturer of the material, Environmental Resource Associates, are used. These limits are listed in Form 7 of the case. The default control limits are being used until new statistically-based control limits can be established for the new solid control material. With the exception of aluminum, all metals are yielding recoveries within the default range. Aluminum, yielding an average of 154% from preliminary evaluations of the material (eight separate analyses referred by NIST SRM 2710), is believed to be true and accurate for the NUS Laboratory due to the nature of the new LCS material. Aluminum results are, therefore, reported with this apparent discrepancy until new statistically-based limits can be established.

9) A quality control sample (MS/MSD) was not designated for the samples in this SDG. Therefore, data qualifiers and QC Forms V and VI for samples do not appear in the package. However, the soils in this package were batched with other AFCEE samples from which a QC sample was prepared. QC data on sample 229-01-2126 (NUS sample P272494) is available in SDG ST229 fro use of data qualifiers and evaluation of results on soils in this package.

10) Sample EB-251-051094 (NUS sample P272948) was inadvertently analyzed for mercury past the 13 day holding time.

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST251
INORGANIC

1) The samples in this data package were analyzed by protocols that are to meet the requirements of "Handbook to Support the Installation Restoration Program (IRP) Statements of Work", May 1991 and any project-specific requirements. The requirements for analysis and reporting are specified in the laboratory quality assurance plan for AFCEE as modified by the Sampling and Analysis Plan.

2) CLP reporting forms were used even though CLP protocols are not required for the analyses. Data qualifiers, as specified in the table immediately following the Cover Page, are used on the reporting forms according to CLP requirements; although these requirements may not be specific to AFCEE reporting procedures.

3) The "date received" that appears on Form 1s is actually the date of sample collection.

4) AFCEE protocol requires duplicate laboratory control standards (LCS/LCSD) as a means of obtaining precision and accuracy on each batch. Therefore, the following CLP reporting forms were used to report LCS/LCSD data.

   - Form 6 (one each) for RPDs for MS/MSD and LCS/LCSD.
   - Form 7 (two) for recoveries for LCS/LCSD.

5) The NUS Laboratory has recently revised the ICP and graphite furnace standard operating procedures in which a detection limit standard is no longer analyzed as a sample in each analysis run. Consequently, this data is not available on Form 2 (part 2). Alternatively, an additional low level PQL standard is used in the calibration of each instrument. The PQL standard is a requirement of the latest version of the Air Force IRP Handbook (September 1993). As with the detection limit standard used previously, the PQL calibration standard must be discernible from the blank.

6) Times of analysis for instruments that do not provide this information (MAS50B) are estimated on Form 14 (Analytical Run Log).

7) Analyte field size restrictions resulted in Molybdenum being truncated to "Molybdenu" on the reporting forms.

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: 251RE
SEMIVOLATILES

1) The samples in this package were analyzed by protocols to meet the requirements of the Air Force IRP/AFCEE as defined in "Handbook to Support the Installation Restoration Program (IRP) Statements of Work," May, 1991. These requirements are defined in the Sampling and Analysis Plan (SAP) as modified by any subsequent revisions.

2) The LCS/LCSD pair data were tabulated and reported as if they were MS/MSD. Each LCS/LCSD pair was given the name of the associated blank followed by either the MS (LCS) or MSD (LCSD) suffix. For example, water blank SBLKG is associated with SBLKGMMS (LCS) and SBLKGMMSD (LCSD).

3) Internal standard areas are reported for all sample analyses, but corrective action is required only if internal standard areas for a continuing calibration do not meet criteria as specified in the SW-846 methods.

4) The following surrogate failures were noted.

Sample #	Sample ID	Date/Time of Analysis	Instrument	Surrogate	% Recovery	Recovery Limits %
P278822	251051012	7-23-94 / 00:43	GCMSG	2,4,6-Tribromophenol	32	46-125

The data were accepted because all other surrogate recoveries were acceptable.

5) The following compounds did not meet the 20.5% RSD criteria established for initial calibrations for the AFCEE protocol.

Instrument/Date and Time	Compound	% RSD
GCMSG / 7-22-94 / 11:02	Benzo(k)fluoranthene	23.3

The initial calibration is valid, since up to 4 non-CCCs may exceed the %RSD criteria, provided their RRF ≥0.010 and their %RSD ≤40.0%.

6) The following compounds did not meet the 25% D criteria established for continuing calibrations for the AFCEE protocol:

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AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: 251RE
DIESEL RANGE ORGANICS DATA PACKAGE

Instrument/Date and Time	Compound	%D
GCMSG / 7-20-94 / 22:47	Hexachlorobutadiene	-35.1

No hexachlorobutadiene was found in any of the samples. No adverse affect on the data is expected.

7) Lot #LA41854 of LCS/LCSD spiking solution obtained from Supelco, Inc. included several target analytes which were prepared in the cocktail at a concentration other than 100 µg/mL. For those compounds whose concentrations were determined to be different than 100 ± 5 µg/mL, their concentrations were corrected and the corrected concentrations were used to determine LCS/LCSD and MS/MSD recoveries.

8) Percent moistures were not determined for soil blanks and LCS's. The percent moisture field on the form 1s for these samples were left blank.

9) Benzoic acid was not detected in the LCS/LCSD pair SBLKGMMS/MSD. The only sample in this case associated with this LCS/LCSD pair was an equipment blank, P278818 (EB251070694). No adverse affect on the data is expected.

10) No pH determination was assigned for any of the samples in this package.

For Waters:

$$DRO\ (\mu g\ /L) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the volume of sample extracted in liters.
DF = the dilution factor.

4) The DRO surrogate spiking solution was prepared at a concentration of 104 µg/L. For soils, the n-pentacosane concentration was corrected from µg/L to µg/kg. For example, sample 251040507 (P278819) had an n-pentacosane concentration of 110.34 µg/mL. For a soil extract, then,

$$110.34\ \mu g/mL \times 1\ mL \times \frac{1}{0.030\ kg} = 3.680\ \mu g/kg\ or\ 106\%$$

None of the surrogate recovery calculations were corrected for % moisture.

5) Percent moistures were not determined for soil blanks or soil LCS/LCSDs. No blank or LCS/LCSD data were corrected for percent moisture.

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: 251RE
DIESEL RANGE ORGANICS

1) Diesel range organics (DRO) analyses were conducted by extracting 1 liter of water or 30 grams of soil with methylene chloride. The extracts were concentrated to 1 mL and analyzed by gas chromatography. A Hewlett-Packard 5890 gas chromatograph fitted with a 30 meter, 0.53 mm ID (megabore) RTX-5 capillary column and equipped with a flame ionization detector was used to complete the analyses.

2) A 5-point calibration was performed for DRO using a 10-component synthetic standard mix. For each level of calibration, the areas observed for the peaks were summed. The sum of the peaks from each calibration level was plotted against the concentration (µg/mL). If the correlation coefficient (r) >0.995 or the determination coefficient (R^2) >0.990, the calibration is linear. Reasonable quadratic curves may be used when the calibration is not linear. Sample concentrations were determined from the plot labelled "DRO" by comparing the total area observed for component peaks eluting between the retention times of decane and octacosane to the corresponding concentration (amount) in µg/mL. This value is then corrected for extract volume, the volume or weight of sample extracted and the dilution factor (if any). The surrogate standard, n-pentacosane, elutes within the DRO window. Its area is subtracted from the total area observed.

3) Sample concentrations were calculated using the following formulas:

For Soils:

$$DRO\ (\mu g\ /Kg) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the weight of the sample extracted in kilograms.
DF = the dilution factor.

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST252
SEMIVOLATILES

1) The samples in this package were analyzed by protocols to meet the requirements of the Air Force IRP/AFCEE as defined in "Handbook to Support the Installation Restoration Program (IRP) Statements of Work," May, 1991. These requirements are defined in the Sampling and Analysis Plan (SAP) as modified by any subsequent revisions.

2) The LCS/LCSD pair data were tabulated and reported as if they were MS/MSD. Each LCS/LCSD pair was given the name of the associated blank followed by either the MS (LCS) or MSD (LCSD) suffix. For example, water blank SBLKGH is associated with SBLKGHMS (LCS) and SBLKGHMSD.

3) Internal standard areas are reported for all sample analyses, but corrective action is required only if internal standard areas for a continuing calibration do not meet criteria a superfund in the SW-846 method.

4) No surrogate failures were noted.

5) The following compounds did not meet the 20.5% RSD criteria established for AFCEE protocol.

Instrument/Date and Time	Compound	% RSD
GCMSG / 5-23-94 / 12:06	Bis(2-chloroethyl)ether	24.5
	Benzo(k)fluoranthene	20.7
	Phenol-d_5	21.7

The calibration is still valid, since up to four compounds may exceed the %RSD criteria, provided the %RSD for these compounds are ≤40.0% and the compounds are not CCCs.

6) The following compounds did not meet the 25% D established for continuing calibrations for the AFCEE protocol:

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AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
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Instrument/Date and Time	Compound	%D
GCMSG / 6-1-94 / 9:58	2-Chloronaphthalene Herachlorobenzene Phenanthrene	30.3 32.4 26.0
GCMSG / 5-26-94 / 10:41	2,6-Dinitrotoluene	30.6

The %D of up to 4 non-CCCs may exceed the maximum %D criteria, provided the RRFs for these compounds ≥0.010 and the %D are ≤40.0%.

7) Lot #LA41854 of LCS/LCSD spiking solution obtained from Supelco, Inc. included several target analytes which were prepared in the cocktail at a concentration other than 100 µg/mL. For those compounds whose concentrations were determined to be different than 100 ± 5 µg/mL, their concentrations were corrected and the corrected concentrations were used to determine LCS/LCSD and MS/MSD recoveries.

8) Percent moistures were not determined for soil blanks and LCS's. The percent moisture filed on the form 1s for these samples were left blank.

8) The laboratory has procured and used a new LCS material (ERA Lot 219) with the soil samples in this SDG. The new material is physically different than previous solid LCS material and, consequently, yields recoveries for most metals substantially different than the previously established, statistically-based, control limits. Therefore, default control limits provided by the manufacturer of the material, Environmental Resource Associates, are used. These limits are listed in Form 7 of the case. The default control limits are being used until new statistically-based control limits can be established for the new solid control material. With the exception of aluminum, all metals are yielding recoveries within the default range. Aluminum, yielding an average of 154% from preliminary evaluations of the material (eight separate analyses referred by NIST SRM 2710), is believed to be true and accurate for the NUS Laboratory due to the nature of the new LCS material. Aluminum results are, therefore, reported with this apparent discrepancy until new statistically-based limits can be established.

9) A quality control sample (MS/MSD) was not designated for the samples in this SDG. However, AFCEE sample EB-252-050994 (NUS sample P272369) was digested and analyzed as the aqueous QC for all metals, with the exception of mercury. In addition, the soils in the package were batched with other AFCEE samples from which a QC sample was prepared. QC data on sample 263-05-0306 (NUS sample P272191) is available in SDG ST263 for use of data qualifiers and evaluation of ICP results on samples in this package.

10) The ninth continuing calibration verification standard (CCV9) associated with ICP analysis of 05/16/94 yielded recoveries outside control limits for potassium and sodium. However, none of the samples in this SDG are affected.

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST252
INORGANIC

1) The samples in this data package were analyzed by protocols that are to meet the requirements of "Handbook to Support the Installation Restoration Program (IRP) Statements of Work", May 1991 and any project-specific requirements. The requirements for analysis and reporting are specified in the laboratory quality assurance plan for AFCEE as modified by the Sampling and Analysis Plan.

2) CLP reporting forms were used even though CLP protocols are not required for the analyses. Data qualifiers, as specified in the table immediately following the Cover Page, are used on the reporting forms according to CLP requirements; although these requirements may not be specific to AFCEE reporting procedures.

3) The "date received" that appears on Form 1s is actually the date of sample collection.

4) AFCEE protocol requires duplicate laboratory control standards (LCS/LCSD) as a means of obtaining precision and accuracy on each batch. In addition, MS/MSD are required instead of duplicate/matrix spikes. Therefore, the following CLP reporting forms were used to report LCS/LCSD and MS/MSD data.

   - Two separate Form 5-As for recoveries for matrix spike and matrix spike duplicate.
   - Form 6 (one each) for RPDs for MS/MSD and LCS/LCSD.
   - Form 7 (two) for recoveries for LCS/LCSD.

5) A CRDL standard was analyzed for all required analytes. As recovery limits have not been established for the CRDL standard, the results, as obtained, are reported on Form 2B. No corrective action is required for high or low recovery situations. Percent recovery calculations are performed on the actual value, even if found to be below the IDL.

6) Times of analysis for instruments that do not provide this information (MAS50B) are estimated on Form 14 (Analytical Run Log).

7) Analyte field size restrictions resulted in Molybdenum being truncated to "Molybdenu" on the reporting forms.

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST252
DIESEL RANGE ORGANICS

1) Diesel range organics (DRO) analyses were conducted by extracting 1 liter of water or 30 grams of soil with methylene chloride. The extracts were concentrated to 1 mL and analyzed by gas chromatography. A Hewlett-Packard 5890 gas chromatograph fitted with a 30 meter, 0.53 mm ID (megabore) RTX-5 capillary column and equipped with a flame ionization detector was used to complete the analyses.

2) A 5-point calibration was performed for DRO using a 10-component synthetic standard mix. For each level of calibration, the areas observed for the peaks were summed. The sum of the peaks from each calibration level was plotted against the concentration (µg/mL). If the correlation coefficient (r) >0.995 or the determination coefficient (R^2) >0.990, the calibration is linear. Reasonable quadratic curves may be used when the calibration is not linear. Sample concentrations were determined from the plot labelled "DRO" by comparing the total area observed for component peaks eluting between the retention times of decane and octacosane to the corresponding concentration (amount) in µg/mL. This value is then corrected for extract volume, the volume or weight of sample extracted and the dilution factor (if any). The surrogate standard, n-pentacosane, elutes within the DRO window. Its area is subtracted from the total area observed.

3) Sample concentrations were calculated using the following formulas:

For Soils:

$$DRO\ (\mu g\ /Kg) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the weight of the sample extracted in kilograms.
DF = the dilution factor.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST252
DIESEL RANGE ORGANICS DATA PACKAGE

For Waters:

$$DRO\ (\mu g\ /L) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the volume of sample extracted in liters.
DF = the dilution factor.

4) The DRO surrogate spiking solution was prepared at a concentration of 102 µg/mL. The data system's percent recovery was set-up based upon a spiking solution of 100 µg/mL. The surrogate recoveries reported on the Forms 2E are correct and based upon the 102 µg/mL surrogate spiking solution. For soils, the n-pentacosane concentration was corrected from µg/L to µg/kg. For example, sample 252010204 (P272370) had an n-pentacosane concentration of 87.77 µg/L. Since the final volume of the extract is 1 mL, this can be expressed as 87.77 µg/mL. For a soil extract, then,

$$87.77\ \mu g/mL \times 1\ mL \times \frac{1}{0.030\ kg} = 2930\ \mu g/kg\ or\ 86\%\ recovery.$$

None of the surrogate recovery calculations were corrected for % moisture.

5) Percent moistures were not determined for soil blanks or soil LCS/LCSDs. No blank or LCS/LCSD data were corrected for percent moisture.

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST253
DIESEL RANGE ORGANICS (DRO)

1) Diesel range organics (DRO) analyses were conducted by extracting 1 liter of water or 30 grams of soil with methylene chloride. The extracts were concentrated to 1 mL and analyzed by gas chromatography. A Hewlett-Packard 5890 gas chromatograph fitted with a 30 meter, 0.53 mm ID (megabore) RTX-5 capillary column and equipped with a flame ionization detector was used to complete the analyses.

2) A 5-point calibration was performed for DRO using a 10-component synthetic standard mix. For each level of calibration, the areas observed for the peaks were summed. The sum of the peaks from each calibration level was plotted against the concentration (µg/mL). If the correlation coefficient (r) >0.995 or the determination coefficient (R^2) >0.990, the calibration is linear. Reasonable quadratic curves may be used when the calibration is not linear. Sample concentrations were determined from the plot labelled "DRO" by comparing the total area observed for component peaks eluting between the retention times of decane and octacosane to the corresponding concentration (amount) in µg/mL. This value is then corrected for extract volume, the volume or weight of sample extracted and the dilution factor (if any). The surrogate standard, n-pentacosane, elutes within the DRO window. Its area is subtracted from the total area observed.

3) Sample concentrations were calculated using the following formulas:

For Soils:

$$DRO\ (\mu g\ /Kg) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the weight of the sample extracted in kilograms.
DF = the dilution factor.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST253
DIESEL RANGE ORGANICS DATA PACKAGE

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST253
SEMIVOLATILES DATA PACKAGE

For Waters:

$$DRO\ (\mu g\ /L) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the volume of sample extracted in liters.
DF = the dilution factor.

4) The DRO surrogate spiking solution was prepared at a concentration of 104 µg/L. The data system's percent recovery was set up based upon a spiking solution of 100 µg/mL. The surrogate recoveries reported on the forms 2E are correct and based upon the 104 µg/mL surrogate spiking solution. For soils, the n-pentacosane concentration was corrected from µg/L to µg/kg. For example, sample 253010206 (P272376) had an n-pentacosane concentration of 83 µg/L. Since the final volume of the extract is 1 mL, this can be expressed as 83 µg/mL. For a soil extract, then,

$$83\ \mu g/mL \times 1\ mL \times \frac{1}{0.030\ kg} = 2.770\ \mu g/kg\ or\ 81\%$$

None of the surrogate recovery calculations were corrected for % moisture.

The calibration is still valid. Up to 4 non-CCCs may exceed the %RSD criteria, provided the %RSD for these compounds are ≤40.0%.

6) The following compounds did not meet the 25% D established for continuing calibrations for the AFCEE protocol:

Instrument/Date and Time	Compound	%D
GCMSG / 6-1-94 / 9:58	2-Chloronaphthalene Hexachlorobenzene Phenanthrene	30.3 32.4 26.0
GCMSG / 6-2-94 / 12:01	Hexachlorobenzene	28.3

The continuing calibration is still valid. Up to 4 non-CCCs may exceed the maximum %D criteria, provided the RRF for these compounds are ≥0.010 and the %D are ≤40.0%.

7) Lot #LA41854 of LCS/LCSD spiking solution obtained from Supelco, Inc. included several target analytes which were prepared in the cocktail at a concentration other than 100 µg/mL. For those compounds whose concentrations were determined to be different than 100 ± 5 µg/mL, their concentrations were corrected and the corrected concentrations were used to determine LCS/LCSD and MS/MSD recoveries.

8) Percent moistures were not determined for soil blanks and LCS's. The percent moisture filed on the form 1s for these samples were left blank.

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST253
SEMIVOLATILES

1) The samples in this package were analyzed by protocols to meet the requirements of the Air Force IRP/AFCEE as defined in "Handbook to Support the Installation Restoration Program (IRP) Statements of Work," May, 1991. These requirements are defined in the Sampling and Analysis Plan (SAP) as modified by any subsequent revisions.

2) The LCS/LCSD pair data were tabulated and reported as if they were MS/MSD. Each LCS/LCSD pair was given the name of the associated blank followed by either the MS (LCS) or MSD (LCSD) suffix. For example, soil blank SBLKGK is associated with SBLKGKMS (LCS) and SBLKGKMSD.

3) Internal standard areas are reported for all sample analyses, but corrective action is required only if internal standard areas for a continuing calibration do not meet criteria a superfund in the SW-846 method.

4) The following surrogate failures were noted.

Sample #	Sample ID	Date/Time of Analysis	Instrument	Surrogate	% Recovery	Recovery Limits %
P272376	253010206	6-1-94 / 19:12	GCMSG	Phenol-d_5 Nitrobenzene-d_5	109 90	48-97 54-85

The high surrogate recoveries were probably due to improvements made in the analytical technique (frequent column cutting and changing of injection port lines). The observed surrogate recovery failure should have no adverse effect on the data.

5) The following compounds did not meet the 20.5% RSD criteria established for AFCEE protocol.

Instrument/Date and Time	Compound	% RSD
GCMSG / 5-23-94 / 12:06	Bis(2-chloroethyl)ether Benzo(k)fluoranthene Phenol-d_5	24.5 20.7 21.7

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST253
INORGANIC

1) The samples in this data package were analyzed by protocols that are to meet the requirements of "Handbook to Support the Installation Restoration Program (IRP) Statements of Work", May 1991 and any project-specific requirements. The requirements for analysis and reporting are specified in the laboratory quality assurance plan for AFCEE as modified by the Sampling and Analysis Plan.

2) CLP reporting forms were used even though CLP protocols are not required for the analyses. Data qualifiers, as specified in the table immediately following the Cover Page, are used on the reporting forms according to CLP requirements; although these requirements may not be specific to AFCEE reporting procedures.

3) The "date received" that appears on Form 1s is actually the date of sample collection.

4) AFCEE protocol requires duplicate laboratory control standards (LCS/LCSD) as a means of obtaining precision and accuracy on each batch. In addition, MS/MSD are required instead of duplicate/matrix spikes. Therefore, the following CLP reporting forms were used to report LCS/LCSD and MS/MSD data.

   - Two separate Form 5-As for recoveries for matrix spike and matrix spike duplicate.
   - Form 6 (one each) for RPDs for MS/MSD and LCS/LCSD.
   - Form 7 (two) for recoveries for LCS/LCSD.

5) A CRDL standard was analyzed for all required analytes. As recovery limits have not been established for the CRDL standard, the results, as obtained, are reported on Form 2B. No corrective action is required for high or low recovery situations. Percent recovery calculations are performed on the actual value, even if found to be below the IDL.

6) Times of analysis for instruments that do not provide this information (MAS50B) are estimated on Form 14 (Analytical Run Log).

7) Analyte field size restrictions resulted in Molybdenum being truncated to "Molybdenu" on the reporting forms.

AIR FORCE IRP
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KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST253
INORGANIC DATA PACKAGE

8) The laboratory has procured and used a new LCS material (ERA Lot 219) with the soil samples in this SDG. The new material is physically different than previous solid LCS material and, consequently, yields recoveries for most metals substantially different than the previously established, statistically-based, control limits. Therefore, default control limits provided by the manufacturer of the material, Environmental Resource Associates, are used. These limits are listed in Form 7 of the case. The default control limits are being used until new statistically-based control limits can be established for the new solid control material. With the exception of aluminum, all metals are yielding recoveries within the default range. Aluminum, yielding an average of 154% from preliminary evaluations of the material (eight separate analyses referred by NIST SRM 2710), is believed to be true and accurate for the NUS Laboratory due to the nature of the new LCS material. Aluminum results are, therefore, reported with this apparent discrepancy until new statistically-based limits can be established.

9) A quality control sample (MS/MSD) was not designated for the samples in this SDG. However, AFCEE sample 253-02-1214 (NUS sample P272380) was digested and analyzed as the solid QC sample for all mercury. In addition, the samples in this package were batched with other AFCEE soils from which a QC sample for metals was prepared. QC data on sample 263-05-0306 (NUS sample P272191) is available in SDG ST263 for use of data qualifiers and evaluation of metals determined by ICP in this package.

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST254
DIESEL RANGE ORGANICS

1) Diesel range organics (DRO) analyses were conducted by extracting 1 liter of water or 30 grams of soil with methylene chloride. The extracts were concentrated to 1 mL and analyzed by gas chromatography. A Hewlett-Packard 5890 gas chromatograph fitted with a 30 meter, 0.53 mm ID (megabore) RTX-5 capillary column and equipped with a flame ionization detector was used to complete the analyses.

2) A 5-point calibration was performed for DRO using a 10-component synthetic standard mix. For each level of calibration, the areas observed for the peaks were summed. The sum of the peaks from each calibration level was plotted against the concentration (µg/mL). If the correlation coefficient (r) >0.995 or the determination coefficient (R^2) >0.990, the calibration is linear. Reasonable quadratic curves may be used when the calibration is not linear. Sample concentrations were determined from the plot labelled "DRO" by comparing the total area observed for component peaks eluting between the retention times of decane and octacosane to the corresponding concentration (amount) in µg/mL. This value is then corrected for extract volume, the volume or weight of sample extracted and the dilution factor (if any). The surrogate standard, n-pentacosane, elutes within the DRO window. Its area is subtracted from the total area observed.

3) Sample concentrations were calculated using the following formulas:

For Soils:

$$DRO\ (\mu g\ /Kg) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the weight of the sample extracted in kilograms.
DF = the dilution factor.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST254
DIESEL RANGE ORGANICS DATA PACKAGE

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST254
SEMIVOLATILES DATA PACKAGE

For Waters:

$$DRO\ (\mu g\ /L) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the volume of sample extracted in liters.
DF = the dilution factor.

4) The DRO surrogate spiking solution was prepared at a concentration of 104 µg/mL. The data system's percent recovery was set-up based upon a spiking solution of 100 µg/mL. The surrogate recoveries reported on the Forms 2E are correct and based upon the 104 µg/mL surrogate spiking solution. For soils, the n-pentacosane concentration was converted from µg/L to µg/kg. For example, sample 254010608 (P274676) had an n-pentacosane concentration of 123.25 µg/L. Since the final volume of the extract is 1 mL, this can be expressed as 123.25 µg/mL. For a soil extract, then,

$$123.25\ \mu g/mL \times 1\ mL \times \frac{1}{0.030\ kg} = 4110\ \mu g/kg\ or\ 118\%\ recovery.$$

None of the surrogate recovery calculations were corrected for % moisture.

5) Percent moistures were not determined for soil blanks or soil LCS/LCSDs. No blank or LCS/LCSD data were corrected for percent moisture.

5) The following compounds did not meet the 20.5% RSD criteria established for AFCEE protocol.

Instrument/Date and Time	Compound	% RSD
GCMSF / 5-31-94 / 17:31	Benzo(k)fluoranthene	22.6
GCMSF / 6-10-94 / 16:00	Benzo(k)fluoranthene	24.4

6) The following compounds did not meet the 25% D established for continuing calibrations for the AFCEE protocol:

Instrument/Date and Time	Compound	%D
GCMSF / 6-6-94 / 17:31	2,4,5-Trichlorophenol 2,4-Dinitrotoluene	36.1 26.7

7) Lot #LA41854 of LCS/LCSD spiking solution obtained from Supelco, Inc. included several target analytes which were prepared in the cocktail at a concentration other than 100 µg/mL. For those compounds whose concentrations were determined to exceed 100 ± 5 µg/mL, their concentrations were corrected and the corrected concentrations were used to determine LCS/LCSD and MS/MSD recoveries.

8) Percent moistures were not determined for soil blanks and LCSs. The percent moisture field on the form 1s for these samples were left blank.

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST254
SEMIVOLATILES

1) The samples in this package were analyzed by protocols to meet the requirements of the Air Force IRP/AFCEE as defined in "Handbook to Support the Installation Restoration Program (IRP) Statements of Work," May, 1991. These requirements are defined in the Sampling and Analysis Plan (SAP) as modified by any subsequent revisions.

2) The LCS/LCSD pair data were tabulated and reported as if they were MS/MSD. Each LCS/LCSD pair was given the name of the associated blank followed by either the MS (LCS) or MSD (LCSD) suffix. For example, water blank SBLKFR is associated with SBLKFRMS (LCS) and SBLKFRMSD (LCSD).

3) Internal standard areas are reported for all sample analyses, but corrective action is required only if internal standard areas for a continuing calibration do not meet criteria a superfund in the SW-846 method.

4) The following surrogate failures were noted.

Sample #	Sample ID	Date/Time of Analysis	Instrument	Surrogate	% Recovery	Recovery Limits %
P274682	254040610	6-14-94 / 23:51	GCMSF	Nitrobenzene-d_5 2-Fluorobiphenyl	88 90	54-85 50-86
P274684 MS	254041115 MS	6-15-94 / 01:53	GCMSF	Nitrobenzene-d_5 2-Fluorobiphenyl	90 89	54-85 50-86
P274684 MSD	25041115 MSD	6-15-94 / 02:33	GCMSF	Nitrobenzene-d_5 2-Fluorobiphenyl	91 89	54-85 50-86
P274685	254050608	6-15-94 / 03:14	GCMSF	Nitrobenzene-d_5 2-Fluorobiphenyl	88 88	54-85 50-86
P274886	25405113	6-15-94 / 03:55	GCMSF	Nitrobenzene-d_5 2-Fluorobiphenyl	87 87	54-85 50-86

The high surrogate recovery was probably due to improvements made in the analytical technique (frequent column cutting and changing of injection port lines). The observed surrogate recovery failure should have no adverse effect on the data.

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST254
INORGANIC

1) The samples in this data package were analyzed by protocols that are to meet the requirements of "Handbook to Support the Installation Restoration Program (IRP) Statements of Work", May 1991 and any project-specific requirements. The requirements for analysis and reporting are specified in the laboratory quality assurance plan for AFCEE as modified by the Sampling and Analysis Plan.

2) CLP reporting forms were used even though CLP protocols are not required for the analyses. Data qualifiers, as specified in the table immediately following the Cover Page, are used on the reporting forms according to CLP requirements; although these requirements may not be specific to AFCEE reporting procedures.

3) The "date received" that appears on Form 1s is actually the date of sample collection.

4) AFCEE protocol requires duplicate laboratory control standards (LCS/LCSD) as a means of obtaining precision and accuracy on each batch. In addition, MS/MSD are required instead of duplicate/matrix spikes. Therefore, the following CLP reporting forms were used to report LCS/LCSD and MS/MSD data.

   - Two separate Form 5-As for recoveries for matrix spike and matrix spike duplicate.
   - Form 6 (one each) for RPDs for MS/MSD and LCS/LCSD.
   - Form 7 (two) for recoveries for LCS/LCSD.

5) The NUS Laboratory has recently revised the ICP and graphite furnace standard operating procedures in which a detection limit (CRDL) standard is no longer analyzed as a sample in each analysis run. Consequently, this data is not available on Form 2 (part 2). Alternatively, an additional low level PQL standard is used in the calibration of each instrument. The PQL standard is a requirement of the latest version of the Air Force IRP Handbook (September 1993). As with the detection limit standard used previously, the PQL calibration standard must be discernible from the blank.

6) Times of analysis for instruments that do not provide this information (MAS50B) are estimated on Form 14 (Analytical Run Log).

AIR FORCE IRP
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KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST254
INORGANIC DATA PACKAGE

7) Analyte field size restrictions resulted in Molybdenum being truncated to "Molybdenu" on the reporting forms.

8) The NUS Laboratory has recently revised the recovery acceptance range for a high level standard analyzed as a sample readily after the calibration curve is established on the ICP. The recovery limits for this standard have been revised from 100 ± 10% to 100 ± 5% recovery. In addition, the use of a new, low-level PQL standard has been implemented in AFCEE protocol. Implementation of the PQL standard at the low end of the ICP calibration causes greater imprecision at the high end of the calibration curve due to the weighing used in calculating the calibration curve. Consequently, the narrower recovery limits for the high standard are more difficult to achieve for certain elements such as chromium, lead, and zinc. However, even with the PQL standard, the high standard still recover within the previous acceptance range of 90 to 110%. In addition, no samples were observed to yield results for these analytes any where near the high standard from the ICP analysis run of 06/12/94 sample results for these analytes were observed to be in the lower half of the ICP calibration curve in the region of greatest accuracy. Consequently, the data for these elements were acceptable.

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST255
INORGANIC

1) The samples in this data package were analyzed by protocols that are to meet the requirements of "Handbook to Support the Installation Restoration Program (IRP) Statements of Work", May 1991 and any project-specific requirements. The requirements for analysis and reporting are specified in the laboratory quality assurance plan for AFCEE as modified by the Sampling and Analysis Plan.

2) CLP reporting forms were used even though CLP protocols are not required for the analyses. Data qualifiers, as specified in the table immediately following the Cover Page, are used on the reporting forms according to CLP requirements; although these requirements may not be specific to AFCEE reporting procedures.

3) The "date received" that appears on Form 1s is actually the date of sample collection.

4) AFCEE protocol requires duplicate laboratory control standards (LCS/LCSD) as a means of obtaining precision and accuracy on each batch. In addition, MS/MSD are required instead of duplicate/matrix spikes. Therefore, the following CLP reporting forms were used to report LCS/LCSD and MS/MSD data.

   - Two separate Form 5-As for recoveries for matrix spike and matrix spike duplicate.
   - Form 6 (one each) for RPDs for MS/MSD and LCS/LCSD.
   - Form 7 (two) for recoveries for LCS/LCSD.

5) The NUS Laboratory has recently revised the ICP and graphite furnace standard operating procedures in which a detection limit (CRDL) standard is no longer analyzed as a sample in each analysis run. Consequently, this data is not available on Form 2 (part 2). Alternatively, an additional low level PQL standard is used in the calibration of each instrument. The PQL standard is a requirement of the latest version of the Air Force IRP Handbook (September 1993). As with the detection limit standard used previously, the PQL calibration standard must be discernible from the blank.

6) Times of analysis for instruments that do not provide this information (MAS50B) are estimated on Form 14 (Analytical Run Log).

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST255
INORGANIC DATA PACKAGE

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST255
DIESEL RANGE ORGANICS DATA PACKAGE

7) Analyte field size restrictions resulted in Molybdenum being truncated to "Molybdenu" on the reporting forms.

8) A quality control sample (MS/MSD) was not designated for the samples in this SDG, therefore data qualifiers and QC Forms V and VI for samples do not appear in the package. However, the soils in this SDG were batched with other AFCEE samples from which a QC sample was prepared. QC data on sample 257-02-0307 (NUS sample P278053) is available in SDG ST257 for use of data qualifiers and evaluation of results on soils in this package.

For Waters:

$$DRO\ (\mu g\ /L) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the volume of sample extracted in liters.
DF = the dilution factor.

4) Percent moistures were not determined for soil blanks or soil LCS/LCSDs. No blank or LCS/LCSD data were corrected for percent moisture.

5) None of the surrogate recovery calculations were corrected for percent moisture.

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST255
DIESEL RANGE ORGANICS

1) Diesel range organics (DRO) analyses were conducted by extracting 1 liter of water or 30 grams of soil with methylene chloride. The extracts were concentrated to 1 mL and analyzed by gas chromatography. A Hewlett-Packard 5890 gas chromatograph fitted with a 30 meter, 0.53 mm ID (megabore) RTX-5 capillary column and equipped with a flame ionization detector was used to complete the analyses.

2) A 5-point calibration was performed for DRO using a 10-component synthetic standard mix. For each level of calibration, the areas observed for the peaks were summed. The sum of the peaks from each calibration level was plotted against the concentration (µg/mL). If the correlation coefficient (r) >0.995 or the determination coefficient (R^2) >0.990, the calibration is linear. Reasonable quadratic curves may be used when the calibration is not linear. Sample concentrations were determined from the plot labelled "DRO" by comparing the total area observed for component peaks eluting between the retention times of decane and octacosane to the corresponding concentration (amount) in µg/mL. This value is then corrected for extract volume, the volume or weight of sample extracted and the dilution factor (if any). The surrogate standard, n-pentacosane, elutes within the DRO window. Its area is subtracted from the total area observed.

3) Sample concentrations were calculated using the following formulas:

For Soils:

$$DRO\ (\mu g\ /Kg) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the weight of the sample extracted in kilograms.
DF = the dilution factor.

CASE COMMENTS
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST255
SEMIVOLATILES

1) The samples in this package were analyzed by protocols to meet the requirements of the Air Force IRP/AFCEE as defined in "Handbook to Support the Installation Restoration Program (IRP) Statements of Work," May, 1991. These requirements are defined in the Sampling and Analysis Plan (SAP) as modified by any subsequent revisions.

2) The LCS/LCSD pair data were tabulated and reported as if they were MS/MSD. Each LCS/LCSD pair was given the name of the associated blank followed by either the MS (LCS) or MSD (LCSD) suffix. For example, soil blank SBLKGL is associated with SBLKGLMS (LCS) and SBLKGLMSD.

3) Internal standard areas are reported for all sample analyses, but corrective action is required only if internal standard areas for a continuing calibration do not meet criteria as specified in the SW-846 methods.

4) No surrogate failures were noted.

5) The following compounds did not meet the 20.5% RSD criteria established for initial calibrations for the AFCEE protocol.

Instrument/Date and Time	Compound	% RSD
GCMSG / 7-22-94 / 1102	Benzo(k)fluoranthane	23.3

6) The following compounds did not meet the 25% D criteria established for continuing calibrations for the AFCEE protocol:

Instrument/Date and Time	Compound	%D
GCMSG / 7-6-94 / 1003	Hexachlorobutadiene	-28.1

This compound was not detected in any of the samples. Its recovery was acceptable in the LCS/LCSD. No negative effect on the data is expected.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST255
SEMIVOLATILES DATA PACKAGE

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST255
GASOLINE RANGE ORGANICS DATA PACKAGE

7) Lot #LA41854 of LCS/LCSD spiking solution obtained from Supelco, Inc. included several target analytes which were prepared in the cocktail at a concentration other than 100 µg/mL. For those compounds whose concentrations were determined to be different than 100 ± 5 µg/mL, their concentrations were corrected and the corrected concentrations were used to determine LCS/LCSD and MS/MSD recoveries.

8) Percent moistures were not determined for soil blanks and LCS's. The percent moisture field on the form 1s for these samples were left blank.

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST255
GASOLINE RANGE ORGANICS

1) Gasoline range organics analyses (GRO) were conducted by purging 5 mL of water or 5 grams of soil with an inert gas. The purged contaminants were trapped and thermally desorbed onto a 105 meter 502.2 chromatography column installed in a Varian 3700 gas chromatograph. The gas chromatograph was equipped with a flame ionization detector.

2) A 5-point calibration was performed for GRO using a sample of regular unleaded gasoline. For each level of calibration, the areas observed for the peaks were summed. The sum of the peaks eluting between the retention times of 2-methylpentane and 1,2,4-trimethylbenzene from each calibration level was plotted against the concentration (µg/mL). If the correlation coefficient (r) >0.995 or the determination coefficient (R^2) >0.990, the calibration is linear. Reasonable quadratic curves may be used when the calibration is not linear. Sample concentrations were determined from the plot labelled "GASOLINE" by comparing the total area observed for component peaks eluting between the retention times of 2-methylpentane and 1,2,4-trimethylbenzene to the corresponding concentration (amount) in µg/L or µg/Kg. The surrogate standard, a,a,a-trifluorotoluene, elutes within the GRO window. Its area is subtracted from the total area observed.

3) None of the surrogate recovery calculations were corrected for percent moisture.

4) Percent moistures were not determined for soil blanks or soil LCS/LCSDs. No blank or LCS/LCSD data were corrected for percent moisture.

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST256
DIESEL RANGE ORGANICS

1) Diesel range organics (DRO) analyses were conducted by extracting 1 liter of water or 30 grams of soil with methylene chloride. The extracts were concentrated to 1 mL and analyzed by gas chromatography. A Hewlett-Packard 5890 gas chromatograph fitted with a 30 meter, 0.53 mm ID (megabore) RTX-5 capillary column and equipped with a flame ionization detector was used to complete the analyses.

2) A 5-point calibration was performed for DRO using a 10-component synthetic standard mix. For each level of calibration, the areas observed for the peaks were summed. The sum of the peaks from each calibration level was plotted against the concentration (µg/mL). If the correlation coefficient (r) >0.995 or the determination coefficient (R^2) >0.990, the calibration is linear. Reasonable quadratic curves may be used when the calibration is not linear. Sample concentrations were determined from the plot labelled "DRO" by comparing the total area observed for component peaks eluting between the retention times of decane and octacosane to the corresponding concentration (amount) in µg/mL. This value is then corrected for extract volume, the volume or weight of sample extracted and the dilution factor (if any). The surrogate standard, n-pentacosane, elutes within the DRO window. Its area is subtracted from the total area observed.

3) Sample concentrations were calculated using the following formulas:

For Soils:

$$DRO\ (\mu g\ /Kg) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the weight of the sample extracted in kilograms.
DF = the dilution factor.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST256
DIESEL RANGE ORGANICS DATA PACKAGE

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST256
GASOLINE RANGE ORGANICS DATA PACKAGE

For Waters:

$$DRO\ (\mu g\ /L) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the volume of sample extracted in liters.
DF = the dilution factor.

4) None of the surrogate recovery calculations were corrected for percent moisture.

5) Percent moistures were not determined for soil blanks or soil LCS/LCSDs. No blank or LCS/LCSD data were corrected for percent moisture.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST256
SEMIVOLATILES DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST256
GASOLINE RANGE ORGANICS

1) Gasoline range organics analyses (GRO) were conducted by purging 5 mL of water or 5 grams of soil with an inert gas. The purged contaminants were trapped and thermally desorbed onto a 105 meter 502.2 chromatography column installed in a Varian 3700 gas chromatograph. The gas chromatograph was equipped with a flame ionization detector.

2) A 5-point calibration was performed for GRO using a sample of regular unleaded gasoline. For each level of calibration, the areas observed for the peaks were summed. The sum of the peaks eluting between the retention times of 2-methylpentane and 1,2,4-trimethylbenzene from each calibration level was plotted against the concentration (µg/mL). If the correlation coefficient (r) >0.995 or the determination coefficient (R^2) >0.990, the calibration is linear. Reasonable quadratic curves may be used when the calibration is not linear. Sample concentrations were determined from the plot labelled "GASOLINE" by comparing the total area observed for component peaks eluting between the retention times of 2-methylpentane and 1,2,4-trimethylbenzene to the corresponding concentration (amount) in µg/L or µg/Kg. The surrogate standard, a,a,a-trifluorotoluene, elutes within the GRO window. Its area is subtracted from the total area observed.

3) None of the surrogate recovery calculations were corrected for percent moisture.

4) Percent moistures were not determined for soil blanks or soil LCS/LCSDs. No blank or LCS/LCSD data were corrected for percent moisture.

7) Lot #LA41854 of LCS/LCSD spiking solution obtained from Supelco, Inc. included several target analytes which were prepared in the cocktail at a concentration other than 100 µg/mL. For those compounds whose concentrations were determined to be different than 100 ± 5 µg/mL, their concentrations were corrected and the corrected concentrations were used to determine LCS/LCSD and MS/MSD recoveries.

8) Percent moistures were not determined for soil blanks and LCS's. The percent moisture field on the form 1s for these samples were left blank.

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST256
SEMIVOLATILES

1) The samples in this package were analyzed by protocols to meet the requirements of the Air Force IRP/AFCEE as defined in "Handbook to Support the Installation Restoration Program (IRP) Statements of Work," May, 1991. These requirements are defined in the Sampling and Analysis Plan (SAP) as modified by any subsequent revisions.

2) The LCS/LCSD pair data were tabulated and reported as if they were MS/MSD. Each LCS/LCSD pair was given the name of the associated blank followed by either the MS (LCS) or MSD (LCSD) suffix. For example, soil blank SBLKGL is associated with SBLKGLMS (LCS) and SBLKGLMSD (LCSD).

3) Internal standard areas are reported for all sample analyses, but corrective action is required only if internal standard areas for a continuing calibration do not meet criteria as specified in the SW-846 methods.

4) No surrogate failures were noted.

5) The following compounds did not meet the 20.5% RSD criteria established for initial calibrations for the AFCEE protocol.

Instrument/Date and Time	Compound	% RSD
GCMSG / 7-22-94 / 11:02	Benzo(k)fluoranthene	23.3

The calibration is valid, since up to 4 non-CCCs may exceed the RSD criteria.

6) The following compounds did not meet the 25% D criteria established for continuing calibrations for the AFCEE protocol:

Instrument/Date and Time	Compound	%D
GCMSG / 7-20-94 / 10:03	Hexachlorobutadiene	-28.1

The recovery of this compound was acceptable in the LCS/LCSD. This compound was not detected in any of the samples included in this case. No adverse affect on the data is expected from the use of this continuing calibration.

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST256
INORGANIC

1) The samples in this data package were analyzed by protocols that are to meet the requirements of "Handbook to Support the Installation Restoration Program (IRP) Statements of Work", May 1991 and any project-specific requirements. The requirements for analysis and reporting are specified in the laboratory quality assurance plan for AFCEE as modified by the Sampling and Analysis Plan.

2) CLP reporting forms were used even though CLP protocols are not required for the analyses. Data qualifiers, as specified in the table immediately following the Cover Page, are used on the reporting forms according to CLP requirements; although these requirements may not be specific to AFCEE reporting procedures.

3) The "date received" that appears on Form 1s is actually the date of sample collection.

4) AFCEE protocol requires duplicate laboratory control standards (LCS/LCSD) as a means of obtaining precision and accuracy on each batch. Therefore, the following CLP reporting forms were used to report LCS/LCSD.

   - Form 6 (one each) for RPDs for LCS/LCSD.
   - Form 7 (two) for recoveries for LCS/LCSD.

5) The NUS Laboratory has recently revised the ICP and graphite furnace standard operating procedures in which a detection limit (CRDL) standard is no longer analyzed as a sample in each analysis run. Consequently, this data is not available on Form 2 (part 2). Alternatively, an additional low level PQL standard is used in the calibration of each instrument. The PQL standard is a requirement of the latest version of the Air Force IRP Handbook (September 1993). As with the detection limit standard used previously, the PQL calibration standard must be discernible from the blank.

6) Times of analysis for instruments that do not provide this information (MAS50B) are estimated on Form 14 (Analytical Run Log).

7) Analyte field size restrictions resulted in Molybdenum being truncated to "Molybdenu" on the reporting forms.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST256
INORGANIC DATA PACKAGE

8) A quality control sample (MS/MSD) was not designated for the samples in this SDG. Therefore, data qualifiers and QC Forms V and VI for samples do not appear in the package. However, the soils in this SDG were batched with other AFCEE samples from which a QC sample was prepared. QC data on sample 257-02-0307 (NUS sample P278053) is available in SDG ST257 for use of data qualifiers and evaluation of results on samples in this package.

9) Silver yielded a 134.6% recovery in the LCSD from preparation batch 27284. Although the laboratory has observed that silver consistently yields a positive bias in the LCS, it is not observed in the associated samples. The only sample in this SDG associated with preparation batch 27284 is 256-02-0810 (NUS sample P278060). This sample yielded a silver result below the laboratory's reporting limit (1.0 mg/kg) and below the maximum allowable quantitation limit specified in the AFCEE project plan. Consequently, the silver data were accepted.

10) The laboratory has revised the standard operating procedure the determination of calcium by ICP. Rather than the highest calibration standard (250 mg/L) as the upper cut off limit of acceptable results for calcium, a higher level linear range standard (500 mg/L) is being used. The linear range standard is analyzed as a sample and must recover within 95% to 105% in order for sample data to be acceptable to this level. Otherwise, calcium results are only acceptable up to the highest calibration standard. Calcium results for two samples 256-01-0810 (NUS sample P278058) and 256-02-0810 (NUS sample P278060) in this SDG were accepted based upon this revision to the ICP procedure.

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST257
SEMIVOLATILES

1) The samples in this package were analyzed by protocols to meet the requirements of the Air Force IRP/AFCEE as defined in "Handbook to Support the Installation Restoration Program (IRP) Statements of Work," May, 1991. These requirements are defined in the Sampling and Analysis Plan (SAP) as modified by any subsequent revisions.

2) The LCS/LCSD pair data were tabulated and reported as if they were MS/MSD. Each LCS/LCSD pair was given the name of the associated blank followed by either the MS (LCS) or MSD (LCSD) suffix. For example, water blank SBLKGH is associated with SBLKGHMS (LCS) and SBLKGHMSD.

3) Internal standard areas are reported for all sample analyses, but corrective action is required only if internal standard areas for a continuing calibration do not meet criteria as specified in the SW-846 methods.

4) No surrogate failures were noted.

5) The following compounds did not meet the 20.5% RSD criteria established for AFCEE protocol.

Instrument/Date and Time	Compound	% RSD
GCMSG / 7-22-94 / 11:02	Benzo(k)fluoranthene	23.3

The initial calibration is valid, since up to 4 non-CCC compounds may exceed the %RSD criteria.

6) The following compounds did not meet the 25% D established for continuing calibrations for the AFCEE protocol:

Instrument/Date and Time	Compound	%D
GCMSG / 7-18-94 / 15:26	Hexachlorobutadiene	-27.9
GCMSG / 7-20-94 / 10:03	Hexachlorobutadiene	-28.1
GCMSG / 7-20-94 / 22:47	Hexachlorobutadiene	-35.1

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: 'ST257
SEMIVOLATILES DATA PACKAGE

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST257
DIESEL RANGE ORGANICS DATA PACKAGE

7) Lot #LA41854 of LCS/LCSD spiking solution obtained from Supelco, Inc. included several target analytes which were prepared in the cocktail at a concentration other than 100 µg/mL. For those compounds whose concentrations were determined to be different than 100 ± 5 µg/mL, their concentrations were corrected and the corrected concentrations were used to determine LCS/LCSD and MS/MSD recoveries.

8) Percent moistures were not determined for soil blanks and LCS's. The percent moisture field on the form 1s for these samples were left blank.

For Waters:

$$DRO\ (\mu g\ /L) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the volume of sample extracted in liters.
DF = the dilution factor.

4) None of the surrogate recovery calculations were corrected for percent moisture.

5) Percent moistures were not determined for soil blanks or soil LCS/LCSDs. No blank or LCS/LCSD data were corrected for percent moisture.

6) The surrogate recoveries observed for P278053, P278053MS and P278053MSD were all low. The DRO spike recoveries were also all low. The low recoveries were probably due to the matrix. None of the samples were re-extracted. See NC/CA SA-G-94-00007.

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST257
DIESEL RANGE ORGANICS

1) Diesel range organics (DRO) analyses were conducted by extracting 1 liter of water or 30 grams of soil with methylene chloride. The extracts were concentrated to 1 mL and analyzed by gas chromatography. A Hewlett-Packard 5890 gas chromatograph fitted with a 30 meter, 0.53 mm ID (megabore) RTX-5 capillary column and equipped with a flame ionization detector was used to complete the analyses.

2) A 5-point calibration was performed for DRO using a 10-component synthetic standard mix. For each level of calibration, the areas observed for the peaks were summed. The sum of the peaks from each calibration level was plotted against the concentration (µg/mL). If the correlation coefficient (r) >0.995 or the determination coefficient (R^2) >0.990, the calibration is linear. Reasonable quadratic curves may be used when the calibration is not linear. Sample concentrations were determined from the plot labelled "DRO" by comparing the total area observed for component peaks eluting between the retention times of decane and octacosane to the corresponding concentration (amount) in µg/mL. This value is then corrected for extract volume, the volume or weight of sample extracted and the dilution factor (if any). The surrogate standard, n-pentacosane, elutes within the DRO window. Its area is subtracted from the total area observed.

3) Sample concentrations were calculated using the following formulas:

For Soils:

$$DRO\ (\mu g\ /Kg) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the weight of the sample extracted in kilograms.
DF = the dilution factor.

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST257
INORGANIC

1) The samples in this data package were analyzed by protocols that are to meet the requirements of "Handbook to Support the Installation Restoration Program (IRP) Statements of Work", May 1991 and any project-specific requirements. The requirements for analysis and reporting are specified in the laboratory quality assurance plan for AFCEE as modified by the Sampling and Analysis Plan.

2) CLP reporting forms were used even though CLP protocols are not required for the analyses. Data qualifiers, as specified in the table immediately following the Cover Page, are used on the reporting forms according to CLP requirements; although these requirements may not be specific to AFCEE reporting procedures.

3) The "date received" that appears on Form 1s is actually the date of sample collection.

4) AFCEE protocol requires duplicate laboratory control standards (LCS/LCSD) as a means of obtaining precision and accuracy on each batch. In addition, MS/MSD are required instead of duplicate/matrix spikes. Therefore, the following CLP reporting forms were used to report LCS/LCSD and MS/MSD data.

   - Two separate Form 5-As for recoveries for matrix spike and matrix spike duplicate.
   - Form 6 (one each) for RPDs for MS/MSD and LCS/LCSD.
   - Form 7 (two) for recoveries for LCS/LCSD.

5) The NUS Laboratory has recently revised the ICP and graphite furnace standard operating procedures in which a detection limit standard is no longer analyzed as a sample in each analysis run. Consequently, this data is not available on Form 2 (part 2). Alternatively, an additional low level PQL standard is used in the calibration of each instrument. The PQL standard is a requirement of the latest version of the Air Force IRP Handbook (September 1993). As with the detection limit standard used previously, the PQL calibration standard must be discernible from the blank.

6) Times of analysis for instruments that do not provide this information (MAS50B) are estimated on Form 14 (Analytical Run Log).

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST257
INORGANIC DATA PACKAGE

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST257
GASOLINE RANGE ORGANICS DATA PACKAGE

7) Analyte field size restrictions resulted in Molybdenum being truncated to "Molybdenu" on the reporting forms.

8) A quality control sample (MS/MSD) was not designated for the samples in this SDG. However, AFCEE sample EB-257-062994 (NUS sample P278052) was digested and analyzed as the aqueous QC sample for all elements except mercury. AFCEE sample 257-02-0307 (NUS sample P278053) was digested and analyzed as the solid QC sample for all elements.

9) The laboratory has revised the standard operating procedure the determination of calcium by ICP. Rather than the highest calibration standard (250 mg/L) as the upper cut off limit of acceptable results for calcium, a higher level linear range standard (500 mg/L) is being used. The linear range standard is analyzed as a sample and must recover within 95% to 105% in order for sample data to be acceptable to this level. Otherwise, calcium results are only acceptable up to the highest calibration standard. Calcium results for several samples,

Sample ID	NUS Sample ID
257-01-0305	P277997
257-01-0812	P277998
257-99-0812	P277999
257-02-0810	P278054
257-03-0305	P278055
257-03-0810	P278056

in this SDG were accepted based upon this revision to the ICP procedure.

10) The LCSD associated with preparation batch 27284 yielded a high recovery for silver of 134.6%. However, the positive bias was not observed in the associated samples as all three samples in this SDG yielded silver results below the instrument detection limit for this element. Consequently, the silver data were accepted.

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST257
GASOLINE RANGE ORGANICS

1) Gasoline range organics analyses (GRO) were conducted by purging 5 mL of water or 5 grams of soil with an inert gas. The purged contaminants were trapped and thermally desorbed onto a 105 meter 502.2 chromatography column installed in a Varian 3700 gas chromatograph. The gas chromatograph was equipped with a flame ionization detector.

2) A 5-point calibration was performed for GRO using a sample of regular unleaded gasoline. For each level of calibration, the areas observed for the peaks were summed. The sum of the peaks eluting between the retention times of 2-methylpentane and 1,2,4-trimethylbenzene from each calibration level was plotted against the concentration (µg/mL). If the correlation coefficient (r) >0.995 or the determination coefficient (R^2) >0.990, the calibration is linear. Reasonable quadratic curves may be used when the calibration is not linear. Sample concentrations were determined from the plot labelled "GASOLINE" by comparing the total area observed for component peaks eluting between the retention times of 2-methylpentane and 1,2,4-trimethylbenzene to the corresponding concentration (amount) in µg/L or µg/Kg. The surrogate standard, a,a,a-trifluorotoluene, elutes within the GRO window. Its area is subtracted from the total area observed.

3) None of the surrogate recovery calculations were corrected for percent moisture.

4) Percent moistures were not determined for soil blanks or soil LCS/LCSDs. No blank or LCS/LCSD data were corrected for percent moisture.

5) Equipment blanks were analyzed as soils with the permission of the NUS project manager.

6) Samples analyzed on the 8610GC were spiked with bromofluorobenzene as a surrogate.

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST258
SEMIVOLATILES

1) The samples in this package were analyzed by protocols to meet the requirements of the Air Force IRP/AFCEE as defined in "Handbook to Support the Installation Restoration Program (IRP) Statements of Work," May, 1991. These requirements are defined in the Sampling and Analysis Plan (SAP) as modified by any subsequent revisions.

2) The LCS/LCSD pair data were tabulated and reported as if they were MS/MSD. Each LCS/LCSD pair was given the name of the associated blank followed by either the MS (LCS) or MSD (LCSD) suffix. For example, soil blank SBLKGI is associated with SBLKGIMS (LCS) and SBLKGIMSD.

3) Internal standard areas are reported for all sample analyses, but corrective action is required only if internal standard areas for a continuing calibration do not meet criteria a superfund in the SW-846 method.

4) The following compounds did not meet the 25% D established for continuing calibrations for the AFCEE protocol:

Instrument/Date and Time	Compound	%D
GCMSG / 7-18-94 / 15:26	Hexachlorobutadiene	27.9

This compound is a CCC. The continuing calibraiton standard was accepted because the hexachlorobutadiene response was increased over that observed in the 5 point calibriton. No hexachlorobutadiene was detected in any of the samples associated with this standard. LCS recoveries for this compound were acceptable. No negative impact on the data is expected. See NC/CA SA-0-94-0001.

5) Lot #LA41854 of LCS/LCSD spiking solution obtained from Supelco, Inc. included several target analytes which were prepared in the cocktail at a concentration other than 100 µg/mL. For those compounds whose concentrations were determined to be different than 100 ± 5 µg/mL, their concentrations were corrected and the corrected concentrations were used to determine LCS/LCSD and MS/MSD recoveries.

6) Percent moistures were not determined for soil blanks and LCS's. The percent moisture field on the form 1s for these samples were left blank.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST258
SEMIVOLATILES DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST258
INORGANIC

1) The samples in this data package were analyzed by protocols that are to meet the requirements of "Handbook to Support the Installation Restoration Program (IRP) Statements of Work", May 1991 and any project-specific requirements. The requirements for analysis and reporting are specified in the laboratory quality assurance plan for AFCEE as modified by the Sampling and Analysis Plan.

2) CLP reporting forms were used even though CLP protocols are not required for the analyses. Data qualifiers, as specified in the table immediately following the Cover Page, are used on the reporting forms according to CLP requirements; although these requirements may not be specific to AFCEE reporting procedures.

3) The "date received" that appears on Form 1s is actually the date of sample collection.

4) AFCEE protocol requires duplicate laboratory control standards (LCS/LCSD) as a means of obtaining precision and accuracy on each batch. In addition, MS/MSD are required instead of duplicate/matrix spikes. Therefore, the following CLP reporting forms were used to report LCS/LCSD and MS/MSD data.

   - Two separate Form 5-As for recoveries for matrix spike and matrix spike duplicate.
   - Form 6 (one each) for RPDs for MS/MSD and LCS/LCSD.
   - Form 7 (two) for recoveries for LCS/LCSD.

5) The NUS Laboratory has recently revised the ICP and graphite furnace standard operating procedures in which a detection limit (CRDL) standard is no longer analyzed as a sample in each analysis run. Consequently, this data is not available on Form 2 (part 2). Alternatively, an additional low level PQL standard is used in the calibration of each instrument. The PQL standard is a requirement of the latest version of the Air Force IRP Handbook (September 1993). As with the detection limit standard used previously, the PQL calibration standard must be discernible from the blank.

6) Times of analysis for instruments that do not provide this information (MAS50B) are estimated on Form 14 (Analytical Run Log).

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST258
INORGANIC DATA PACKAGE

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST258
DIESEL RANGE ORGANICS DATA PACKAGE

7) Analyte field size restrictions resulted in Molybdenum being truncated to "Molybdenu" on the reporting forms.

8) A quality control sample (MS/MSD) was not designated for the samples in this SDG, therefore data qualifiers and QC Forms V and VI for samples do not appear in the package. However, the soils in this SDG were batched with other AFCEE samples from which a QC sample was prepared. QC data on sample 257-02-0307 (NUS sample P278053) is available in SDG ST257 for use of data qualifiers and evaluation of results on soils in this package.

For Waters:

$$DRO\ (\mu g\ /L) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the volume of sample extracted in liters.
DF = the dilution factor.

4) None of the surrogate recovery calculations were corrected for percent moisture.

5) Percent moistures were not determined for soil blanks or soil LCS/LCSDs. No blank or LCS/LCSD data were corrected for percent moisture.

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST258
DIESEL RANGE ORGANICS

1) Diesel range organics (DRO) analyses were conducted by extracting 1 liter of water or 30 grams of soil with methylene chloride. The extracts were concentrated to 1 mL and analyzed by gas chromatography. A Hewlett-Packard 5890 gas chromatograph fitted with a 30 meter, 0.53 mm ID (megabore) RTX-5 capillary column and equipped with a flame ionization detector was used to complete the analyses.

2) A 5-point calibration was performed for DRO using a 10-component synthetic standard mix. For each level of calibration, the areas observed for the peaks were summed. The sum of the peaks from each calibration level was plotted against the concentration (µg/mL). If the correlation coefficient (r) >0.995 or the determination coefficient (R^2) >0.990, the calibration is linear. Reasonable quadratic curves may be used when the calibration is not linear. Sample concentrations were determined from the plot labelled "DRO" by comparing the total area observed for component peaks eluting between the retention times of decane and octacosane to the corresponding concentration (amount) in µg/mL. This value is then corrected for extract volume, the volume or weight of sample extracted and the dilution factor (if any). The surrogate standard, n-pentacosane, elutes within the DRO window. Its area is subtracted from the total area observed.

3) Sample concentrations were calculated using the following formulas:

For Soils:

$$DRO\ (\mu g\ /Kg) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the weight of the sample extracted in kilograms.
DF = the dilution factor.

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST258
GASOLINE RANGE ORGANICS

1) Gasoline range organics analyses (GRO) were conducted by purging 5 mL of water or 5 grams of soil with an inert gas. The purged contaminants were trapped and thermally desorbed onto a 105 meter 502.2 chromatography column installed in a Varian 3700 gas chromatograph. The gas chromatograph was equipped with a flame ionization detector.

2) A 5-point calibration was performed for GRO using a sample of regular unleaded gasoline. For each level of calibration, the areas observed for the peaks were summed. The sum of the peaks eluting between the retention times of 2-methylpentane and 1,2,4-trimethylbenzene from each calibration level was plotted against the concentration (µg/mL). If the correlation coefficient (r) >0.995 or the determination coefficient (R^2) >0.990, the calibration is linear. Reasonable quadratic curves may be used when the calibration is not linear. Sample concentrations were determined from the plot labelled "GASOLINE" by comparing the total area observed for component peaks eluting between the retention times of 2-methylpentane and 1,2,4-trimethylbenzene to the corresponding concentration (amount) in µg/L or µg/Kg. The surrogate standard a,a,a-trifluorotoluene, elutes within the GRO window. Its area is subtracted from the total area observed.

3) None of the surrogate recovery calculations were corrected for percent moisture.

4) Percent moistures were not determined for soil blanks or soil LCS/LCSDs. No blank or LCS/LCSD data were corrected for percent moisture.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST258
GASOLINE RANGE ORGANICS DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST259
SEMIVOLATILES

1) The samples in this package were analyzed by protocols to meet the requirements of the Air Force IRP/AFCEE as defined in "Handbook to Support the Installation Restoration Program (IRP) Statements of Work," May, 1991. These requirements are defined in the Sampling and Analysis Plan (SAP) as modified by any subsequent revisions.

2) The LCS/LCSD pair data were tabulated and reported as if they were MS/MSD. Each LCS/LCSD pair was given the name of the associated blank followed by either the MS (LCS) or MSD (LCSD) suffix. For example, soil blank SBLKGE is associated with SBLKGEMS (LCS) and SBLKGEMSD.

3) Internal standard areas are reported for all sample analyses, but corrective action is required only if internal standard areas for a continuing calibration do not meet criteria as specified in the SW-846 methods.

4) The following surrogate failures were noted.

Sample #	Sample ID	Date/Time of Analysis	Instrument	Surrogate	% Recovery	Recovery Limits %
	SBLKGE			Nitrobenzene-d_5 2-Fluorobiphenyl	88 88	54-85 50-86
P277007	259010913	7-15-94 / 14:05	GCMSG	Nitrobenzene-d_5 2-Fluorobiphenyl	93 90	54-85 50-86
P277008	259011620	7-15-94 / 14:47	GCMSG	Nitrobenzene-d_5 2-Fluorobiphenyl	94 94	54-85 50-86
P277010	259031015	7-15-94 / 16:51	GCMSG	Nitrobenzene-d_5 2-Fluorobiphenyl	90 94	54-85 50-86
P277441	259040913	7-15-94 / 18:07	GCMSG	Nitrobenzene-d_5 2-Fluorobiphenyl	95 96	54-85 50-86
P277442	259041620	7-15-94 / 18:48	GCMSG	Nitrobenzene-d_5 2-Fluorobiphenyl	89 88	54-85 50-86
P277445	259050913	7-15-94 / 20:51	GCMSG	Nitrobenzene-d_5 2-Fluorobiphenyl	87 87	54-85 50-86

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST259
SEMIVOLATILES DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST259
SEMIVOLATILES

Sample #	Sample ID	Date/Time of Analysis	Instrument	Surrogate	% Recovery	Recovery Limits %
P277448	259051620	7-15-94 / 23:54	GCMSG	Nitrobenzene-d_5 2-Fluorobiphenyl	94 94	54-85 50-86
P277443	259020913	7-15-94 / 19:29	GCMSG	Nitrobenzene-d_5 2-Fluorobiphenyl	91 92	54-85 50-86
P277446	259021620A	7-15-94 / 21:33	GCMSG	Nitrobenzene-d_5 2-Fluorobiphenyl	95 96	54-85 50-86
P277447	259990913	7-15-94 / 23:13	GCMSG	Nitrobenzene-d_5 2-Fluorobiphenyl	94 94	54-85 50-86
P277448	259021620	7-15-94 / 23:54	GCMSG	Nitrobenzene-d_5 2-Fluorobiphenyl	89 89	54-85 50-86
P277448 MS	259021620MS	7-16-94 / 00:35	GCMSG	Nitrobenzene-d_5 2-Fluorobiphenyl	89 93	54-85 50-86
P277448 MSD	259021620 MSD	7-16-94 / 01:16	GCMSG	Nitrobenzene-d_5 2-Fluorobiphenyl	94 97	54-85 50-86
P277158	SBLKGX	7-12-94 / 10:57	GCMSG	2-Fluorobiphenyl	96	28-92
P277006	EB259062094	7-12-94 / 12:56	GCMSG	2-Fluorobiphenyl	93	28-92
P277009	25902	7-12-94 / 13:38	GCMSG	2-Fluorobiphenyl	96	28-92

The high surrogate recoveries were probably due to improvements made in the analytical technique (more frequent column cutting and changing of injection port liners). The observed surrogate recovery failures should have no adverse effect on the data.

5) Lot #LA41854 of LCS/LCSD spiking solution obtained from Supelco, Inc. included several target analytes which were prepared in the cocktail at a concentration other than 100 µg/mL. For those compounds whose concentrations were determined to be different than 100 ± 5 µg/mL, their concentrations were corrected and the corrected concentrations were used to determine LCS/LCSD and MS/MSD recoveries.

6) Percent moistures were not determined for soil blanks and LCS's. The percent moisture field on the form 1s for these samples were left blank.

7) NUS sample numbers P277446 and P277448 were assigned the same client identification numbers. The client ID for NUS sample number P277446 was changed from 259-02-1620 to 259-02-1620A.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST259
DIESEL RANGE ORGANICS DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST259
DIESEL RANGE ORGANICS

1) Diesel range organics (DRO) analyses were conducted by extracting 1 liter of water or 30 grams of soil with methylene chloride. The extracts were concentrated to 1 mL and analyzed by gas chromatography. A Hewlett-Packard 5890 gas chromatograph fitted with a 30 meter, 0.53 mm ID (megabore) RTX-5 capillary column and equipped with a flame ionization detector was used to complete the analyses.

2) A 5-point calibration was performed for DRO using a 10-component synthetic standard mix. For each level of calibration, the areas observed for the peaks were summed. The sum of the peaks from each calibration level was plotted against the concentration (µg/mL). If the correlation coefficient (r) $\geq$0.995 or the determination coefficient (R^2) $\geq$0.990, the calibration is linear. Reasonable quadratic curves may be used when the calibration is not linear. Sample concentrations were determined from the plot labelled "DRO" by comparing the total area observed for component peaks eluting between the retention times of decane and octacosane to the corresponding concentration (amount) in µg/mL. This value is then corrected for extract volume, the volume or weight of sample extracted and the dilution factor (if any). The surrogate standard, n-pentacosane, elutes within the DRO window. Its area is subtracted from the total area observed.

3) Sample concentrations were calculated using the following formulas:

For Soils:

$$DRO\ (\mu g\ /Kg) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the weight of the sample extracted in kilograms.
DF = the dilution factor.

For Waters:

$$DRO\ (\mu g\ /L) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the volume of sample extracted in liters.
DF = the dilution factor.

4) None of the surrogate recoveries were corrected for percent moisture.

5) Percent moistures were not determined for soil blanks or soil LCS/LCSDs. No blank or LCS/LCSD data were corrected for percent moisture.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST259
GASOLINE RANGE ORGANICS DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST259
GASOLINE RANGE ORGANICS

1) Gasoline range organics analyses (GRO) were conducted by purging 5 mL of water or 5 grams of soil with an inert gas. The purged contaminants were trapped and thermally desorbed onto a 105 meter 502.2 chromatography column installed in a Varian 3700 gas chromatograph. The gas chromatograph was equipped with a flame ionization detector.

2) A 5-point calibration was performed for GRO using a sample of regular unleaded gasoline. For each level of calibration, the areas observed for the peaks were summed. The sum of the peaks eluting between the retention times of 2-methylpentane and 1,2,4-trimethylbenzene from each calibration level was plotted against the concentration (µg/mL). If the correlation coefficient (r) >0.995 or the determination coefficient (R^2) >0.990, the calibration is linear. Reasonable quadratic curves may be used when the calibration is not linear. Sample concentrations were determined from the plot labelled "GASOLINE" by comparing the total area observed for component peaks eluting between the retention times of 2-methylpentane and 1,2,4-trimethylbenzene to the corresponding concentration (amount) in µg/L or µg/Kg. The surrogate standard, a,a,a-trifluorotoluene, elutes within the GRO window. Its area is subtracted from the total area observed.

3) Soil surrogate concentrations were not corrected for percent moisture.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST259
INORGANIC DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST259
INORGANIC

1) The samples in this data package were analyzed by protocols that are to meet the requirements of "Handbook to Support the Installation Restoration Program (IRP) Statements of Work", May 1991 and any project-specific requirements. The requirements for analysis and reporting are specified in the laboratory quality assurance plan for AFCEE as modified by the Sampling and Analysis Plan.

2) CLP reporting forms were used even though CLP protocols are not required for the analyses. Data qualifiers, as specified in the table immediately following the Cover Page, are used on the reporting forms according to CLP requirements; although these requirements may not be specific to AFCEE reporting procedures.

3) The "date received" that appears on Form 1s is actually the date of sample collection.

4) AFCEE protocol requires duplicate laboratory control standards (LCS/LCSD) as a means of obtaining precision and accuracy on each batch. In addition, MS/MSD are required instead of duplicate/matrix spikes. Therefore, the following CLP reporting forms were used to report LCS/LCSD and MS/MSD data.

   - Two separate Form 5-As for recoveries for matrix spike and matrix spike duplicate.
   - Form 6 (one each) for RPDs for MS/MSD and LCS/LCSD.
   - Form 7 (two) for recoveries for LCS/LCSD.

5) The NUS Laboratory has recently revised the ICP and graphite furnace standard operating procedures in which a detection limit (CRDL) standard is no longer analyzed as a sample in each analysis run. Consequently this data is not available on Form 2 (part 2). Alternatively, an additional low level PQL standard is used in the calibration of each instrument. The PQL standard is a requirement of the latest version of the Air Force IRP Handbook (September 1993). As with the detection limit standard used previously, the PQL calibration standard must be discernible from the blank.

6) Times of analysis for instruments that do not provide this information (MAS50B) are estimated on Form 14 (Analytical Run Log).

7) Analyte field size restrictions resulted in Molybdenum being truncated to "Molybdenu" on the reporting forms.

8) The preparation blank associated with ICP batch 27032 yielded a high value for zinc (4.1 mg/kg). All samples having found values less than ten times the amount of zinc found in the blank were redigested on 07/11/94 (batch 27316) and were reanalyzed for zinc, yielding acceptable data.

9) A quality control sample (MS/MSD) was not designated for the samples in this SDG. However, AFCEE sample 259-02-1620 (NUS sample P277448) was digested and analyzed as the QC sample for all elements. AFCEE sample 259-02 (NUS sample P277009) was analyzed as the aqueous QC sample for mercury. AFCEE sample 259-04-1620 (NUS sample P277442) was analyzed as a QC sample for zinc only.

10) Silver yielded a 128% recovery in the aqueous LCS/LCSD from preparation batch 27082. Although, the laboratory has observed that silver consistently yields a positive bias in the aqueous LCS, it is not observed in the associated aqueous samples. All water samples in this SDG yielded silver results below the laboratory's reporting limit (0.01 mg/L) and below the maximum allowable quantitation limit specified in the AFCEE project plan. Consequently, the silver data were accepted.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST260
DIESEL RANGE ORGANICS DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST260
DIESEL RANGE ORGANICS

1) Diesel range organics (DRO) analyses were conducted by extracting 1 liter of water or 30 grams of soil with methylene chloride. The extracts were concentrated to 1 mL and analyzed by gas chromatography. A Hewlett-Packard 5890 gas chromatograph fitted with a 30 meter, 0.53 mm ID (megabore) RTX-5 capillary column and equipped with a flame ionization detector was used to complete the analyses.

2) A 5-point calibration was performed for DRO using a 10-component synthetic standard mix. For each level of calibration, the areas observed for the peaks were summed. The sum of the peaks from each calibration level was plotted against the concentration (µg/mL). If the correlation coefficient (r) >0.995 or the determination coefficient (R^2) >0.990, the calibration is linear. Reasonable quadratic curves may be used when the calibration is not linear. Sample concentrations were determined from the plot labelled "DRO" by comparing the total area observed for component peaks eluting between the retention times of decane and octacosane to the corresponding concentration (amount) in µg/mL. This value is then corrected for extract volume, the volume or weight of sample extracted and the dilution factor (if any). The surrogate standard, n-pentacosane, elutes within the DRO window. Its area is subtracted from the total area observed.

3) Sample concentrations were calculated using the following formulas:

For Soils:

$$DRO\ (\mu g\ /Kg) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the weight of the sample extracted in kilograms.
DF = the dilution factor.

For Waters:

$$DRO\ (\mu g\ /L) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the volume of sample extracted in liters.
DF = the dilution factor.

4) None of the surrogate recoveries were corrected for percent moisture.

5) Percent moistures were not determined for soil blanks or soil LCS/LCSDs. No blank or LCS/LCSD data were corrected for percent moisture.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST260
GASOLINE RANGE ORGANICS DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST260
GASOLINE RANGE ORGANICS

1) Gasoline range organics (DRO) analyses were conducted by purging 5 mL of water or 5 grams of soil with an inert gas. The purged contaminants were trapped and thermally desorbed onto a 105 meter 502.2 chromatography column installed in a Varian 3700 gas chromatograph. The gas chromatograph was equipped with a flame ionization detector.

2) A 5-point calibration was performed for GRO using a sample of regular unleaded gasoline. For each level of calibration, the areas observed for the peaks were summed. The sum of the peaks eluting between the retention times of 2-methylpentane and 1,2,4-trimethylbenzene from each calibration level was plotted against the concentration (µg/mL). If the correlation coefficient (r) >0.995 or the determination coefficient (R^2) >0.990, the calibration is linear. Reasonable quadratic curves may be used when the calibration is not linear. Sample concentrations were determined from the plot labelled "GASOLINE" by comparing the total area observed for component peaks eluting between the retention times of 2-methylpentane and 1,2,4-trimethylbenzene to the corresponding concentration (amount) in µg/L or µg/Kg. This surrogate standard, a,a,a-trifluorotoluene, elutes within the GRO window. Its area is subtracted from the total area observed.

3) The NUS project manager permitted the laboratory to analyze equipment blanks as soils, provided their results were reported in water units. This was done to make analysis more efficient. In this package, equipment blank EB260062294 (P277525) was analyzed as a soil.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST260
SEMIVOLATILES DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST260
SEMIVOLATILES

1) The samples in this package were analyzed by protocols to meet the requirements of the Air Force IRP/AFCEE as defined in "Handbook to Support the Installation Restoration Program (IRP) Statements of Work," May, 1991. These requirements are defined in the Sampling and Analysis Plan (SAP) as modified by any subsequent revisions.

2) The LCS/LCSD pair data were tabulated and reported as if they were MS/MSD. Each LCS/LCSD pair was given the name of the associated blank followed by either the MS (LCS) or MSD (LCSD) suffix. For example, water blank SBLKGY is associated with SBLKGYMS (LCS) and SBLKGYMSD.

3) Internal standard areas are reported for all sample analyses, but corrective action is required only if internal standard areas for a continuing calibration do not meet criteria a superfund in the SW-846 method.

4) The following surrogate failures were noted.

Sample #	Sample ID	Date/Time of Analysis	Instrument	Surrogate	% Recovery	Recovery Limits %
P278260	SBLKGE	7-15-94 / 12:07	GCMSG	Nitrobenzene-d_5 2-Fluorobiphenyl	88 88	54-85 50-86
P277526	260010509	7-16-94 / 01:57	GCMSG	Nitrobenzene-d_5 2-Fluorobiphenyl	99 102	54-85 50-86
P277527	260011014	7-16-94 / 02:39	GCMSG	Nitrobenzene-d_5 2-Fluorobiphenyl Terphenyl-d_{14}	101 100 115	54-85 50-86 32-112
P277528	260020509	7-16-94 / 03:20	GCMSG	Nitrobenzene-d_5 2-Fluorobiphenyl Terphenyl-d_{14}	99 101 118	54-85 50-86 32-112
P277529	260021014	7-16-94 / 04:01	GCMSG	Nitrobenzene-d_5 2-Fluorobiphenyl	98 100	54-85 50-86

The high surrogate recoveries were probably due to improvements made in the analytical technique (frequent column cutting and changing of injection port lines). The observed surrogate recovery failure should have no adverse effect on the data.

5) Lot #LA41854 of LCS/LCSD spiking solution obtained from Supelco, Inc. included several target analytes which were prepared in the cocktail at a concentration other than 100 µg/mL. For those compounds whose concentrations were determined to be different than 100 ± 5 µg/mL, their concentrations were corrected and the corrected concentrations were used to determine LCS/LCSD and MS/MSD recoveries.

6) Percent moistures were not determined for soil blanks and LCS's. The percent moisture filed on the form 1s for these samples were left blank.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST260
INORGANIC DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST260
INORGANIC

1) The samples in this data package were analyzed by protocols that are to meet the requirements of "Handbook to Support the Installation Restoration Program (IRP) Statements of Work", May 1991 and any project-specific requirements. The requirements for analysis and reporting are specified in the laboratory quality assurance plan for AFCEE as modified by the Sampling and Analysis Plan.

2) CLP reporting forms were used even though CLP protocols are not required for the analyses. Data qualifiers, as specified in the table immediately following the Cover Page, are used on the reporting forms according to CLP requirements; although these requirements may not be specific to AFCEE reporting procedures.

3) The "date received" that appears on Form 1s is actually the date of sample collection.

4) AFCEE protocol requires duplicate laboratory control standards (LCS/LCSD) as a means of obtaining precision and accuracy on each batch. In addition, MS/MSD are required instead of duplicate/matrix spikes. Therefore, the following CLP reporting forms were used to report LCS/LCSD and MS/MSD data.

   - Two separate Form 5-As for recoveries for matrix spike and matrix spike duplicate.
   - Form 6 (one each) for RPDs for MS/MSD and LCS/LCSD.
   - Form 7 (two) for recoveries for LCS/LCSD.

5) The NUS Laboratory has recently revised the ICP and graphite furnace standard operating procedures in which a detection limit (CRDL) standard is no longer analyzed as a sample in each analysis run. Consequently, this data is not available on Form 2 (part 2). Alternatively, an additional low level PQL standard is used in the calibration of each instrument. The PQL standard is a requirement of the latest version of the Air Force IRP Handbook (September 1993). As with the detection limit standard used previously, the PQL calibration standard must be discernible from the blank.

6) Times of analysis for instruments that do not provide this information (MAS50B) are estimated on Form 14 (Analytical Run Log).

7) Analyte field size restrictions resulted in Molybdenum being truncated to "Molybdenu" on the reporting forms.

8) The preparation blank associated with ICP batch 27032 yielded a high value for zinc (4.1 mg/kg). All samples having found values less than ten times the amount of zinc found in the blank were redigested on 07/11/94 (batch 27316) and were reanalyzed for zinc, yielding acceptable data.

9) A quality control sample (MS/MSD) was not designated for the samples in this SDG. However, AFCEE sample 260-02-0509 (NUS sample P277528) was digested and analyzed as the QC sample for all elements except mercury.

10) The solid LCS/LCSD associated with preparation batch 27066 yielded aluminum results outside the laboratory established, statistically-based control limits of 125% to 179% recovery. Aluminum recoveries on the LCS/LCSD were 117.5% and 118.4%. Although, on the surface, these recoveries appear to be quite good (approximately 100%), they are substantially different than the laboratory's previously determined average for aluminum of ~150%. Consequently, the samples were reprepared in batch 27315. Reanalyses of batch 27315 on 07/13/94 also yielded low recoveries on the LCS/LCSD (76.9% and 75.7%) for aluminum. Thus the batch was reprepared a third time in batch 27416. This batch was analyzed by ICP on 07/15/94 (data in package) and it also yielded poor aluminum recoveries (74.6% and 71.6%). Eventually, the laboratory discovered that the preparation conditions greatly affect the LCS recovery for aluminum and the original data for batch 27066 were accepted for the following reasons.

Unlike most of the other elements which are spiked onto the LCS by the manufacturer, aluminum is an indigenous metal of the solid control material. The acid digestion performed on solids (soils, LCS, etc.) is not a total dissolution procedure. Rather the digestion is only a partial dissolution and solid residues always remain after digestion which must be filtered off. These residues are nothing more than indigenous metals which continue to dissolved into solution with continued heating. They will also dissolve more with greater digestion temperature. Consequently, the concentration of indigenous metals in the digestate is highly dependent upon the preparation conditions. Since the

acid digestion (SW 846 Method 3050 Section 7.2 and 7.4) allows for variable conditions (especially digestion time), the concentration of indigenous metals, namely aluminum, has varied greatly.

11) Silver yielded a 128% recovery in the aqueous LCS/LCSD from preparation batch 27082. Although the laboratory has observed that silver consistently yields a positive bias in the aqueous LCS, it is not observed in the associated aqueous samples. The one water sample in this SDG yielded a silver result below the laboratory's reporting limit (0.01 mg/L) and below the maximum allowable quantitation limit specified in the AFCEE project plan. Consequently, the silver data were accepted.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST261
GASOLINE RANGE ORGANICS DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST261
GASOLINE RANGE ORGANICS

1) Gasoline range organics analyses (GRO) were conducted by purging 5 mL of water or 5 grams of soil with an inert gas. The purged contaminants were trapped and thermally desorbed onto a 105 meter 502.2 chromatography column installed in a Varian 3700 gas chromatograph. The gas chromatograph was equipped with a flame ionization detector.

2) A 5-point calibration was performed for GRO using a sample of regular unleaded gasoline. For each level of calibration, the areas observed for the peaks were summed. The sum of the peaks eluting between the retention times of 2-methylpentane and 1,2,4-trimethylbenzene from each calibration level was plotted against the concentration (µg/mL). If the correlation coefficient (r) >0.995 or the determination coefficient (R^2) >0.990, the calibration is linear. Reasonable quadratic curves may be used when the calibration is not linear. Sample concentrations were determined from the plot labelled "GASOLINE" by comparing the total area observed for component peaks eluting between the retention times of 2-methylpentane and 1,2,4-trimethylbenzene to the corresponding concentration (amount) in µg/L or µg/Kg. The surrogate standard, a,a,a-trifluorotoluene, elutes within the GRO window. Its area is subtracted from the total area observed.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST261
SEMIVOLATILES DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST261
SEMIVOLATILES

1) The samples in this package were analyzed by protocols to meet the requirements of the Air Force IRP/AFCEE as defined in "Handbook to Support the Installation Restoration Program (IRP) Statements of Work," May, 1991. These requirements are defined in the Sampling and Analysis Plan (SAP) as modified by any subsequent revisions.

2) The LCS/LCSD pair data were tabulated and reported as if they were MS/MSD. Each LCS/LCSD pair was given the name of the associated blank followed by either the MS (LCS) or MSD (LCSD) suffix. For example, soil blank SBLKGE is associated with SBLKGEMS (LCS) and SBLKGEMSD.

3) Internal standard areas are reported for all sample analyses, but corrective action is required only if internal standard areas for a continuing calibration do not meet criteria a superfund in the SW-846 method.

4) The following surrogate failures were noted.

Sample #	Sample ID	Date/Time of Analysis	Instrument	Surrogate	% Recovery	Recovery Limits %
SBLKGE	SBLKGE	7-15-94 / 12:07	GCMSG	Nitrobenzene-d_5 2-Fluorobiphenyl	88 88	54-85 50-86
P277530	261010305	7-16-94 / 4:42	GCMSG	Nitrobenzene-d_5 2-Fluorobiphenyl Terphenyl-d_{14}	95 96 113	54-85 50-86 32-112
P277531	261010810	7-16-94 / 5:23	GCMSG	Nitrobenzene-d_5 2-Fluorobiphenyl	94 96	54-85 50-86
P277532	261020305	7-16-94 / 6:04	GCMSG	Nitrobenzene-d_5 2-Fluorobiphenyl Terphenyl-d_{14}	96 100 122	54-85 50-86 32-112
P277533	261020810	7-16-94 / 6:45	GCMSG	Nitrobenzene-d_5 2-Fluorobiphenyl	93 93	54-85 50-86

The high surrogate recoveries were probably due to improvements made in the analytical technique (more frequent column cutting and changing of injection port lines). The observed surrogate recovery failure should have no adverse effect on the data.

5) Lot #LA41854 of LCS/LCSD spiking solution obtained from Supelco, Inc. included several target analytes which were prepared in the cocktail at a concentration other than 100 µg/mL. For those compounds whose concentrations were determined to be different than 100 ± 5 µg/mL, their concentrations were corrected and the corrected concentrations were used to determine LCS/LCSD and MS/MSD recoveries.

6) Percent moistures were not determined for soil blanks and LCSs. The percent moisture field on the form 1s for these samples were left blank.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST261
DIESEL RANGE ORGANICS DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST261
DIESEL RANGE ORGANICS

1) Diesel range organics (DRO) analyses were conducted by extracting 1 liter of water or 30 grams of soil with methylene chloride. The extracts were concentrated to 1 mL and analyzed by gas chromatography. A Hewlett-Packard 5890 gas chromatograph fitted with a 30 meter, 0.53 mm ID (megabore) RTX-5 capillary column and equipped with a flame ionization detector was used to complete the analyses.

2) A 5-point calibration was performed for DRO using a 10-component synthetic standard mix. For each level of calibration, the areas observed for the peaks were summed. The sum of the peaks from each calibration level was plotted against the concentration (ug/mL). If the correlation coefficient (r) >0.995 or the determination coefficient (R^2) >0.990, the calibration is linear. Reasonable quadratic curves may be used when the calibration is not linear. Sample concentrations were determined from the plot labelled "DRO" by comparing the total area observed for component peaks eluting between the retention times of decane and octacosane to the corresponding concentration (amount) in µg/mL. This value is then corrected for extract volume, the volume or weight of sample extracted and the dilution factor (if any). The surrogate standard, n-pentacosane, elutes within the DRO window. Its area is subtracted from the total area observed.

3) Sample concentrations were calculated using the following formulas:

For Soils:

$$DRO\ (\mu g\ /Kg) = \frac{A * B * DF,}{C}$$

Where:
A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the weight of the sample extracted in kilograms.
DF = the dilution factor.

For Waters:

$$DRO\ (\mu g\ /L) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the volume of sample extracted in liters.
DF = the dilution factor.

4) None of the surrogate recoveries were corrected for percent moisture.

5) Percent moistures were not determined for soil blanks or soil LCS/LCSDs. No blank or LCS/LCSD data were corrected for percent moisture.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST261
INORGANIC DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST261
INORGANIC

1) The samples in this data package were analyzed by protocols that are to meet the requirements of "Handbook to Support the Installation Restoration Program (IRP) Statements of Work", May 1991 and any project-specific requirements. The requirements for analysis and reporting are specified in the laboratory quality assurance plan for AFCEE as modified by the Sampling and Analysis Plan.

2) CLP reporting forms were used even though CLP protocols are not required for the analyses. Data qualifiers, as specified in the table immediately following the Cover Page, are used on the reporting forms according to CLP requirements; although these requirements may not be specific to AFCEE reporting procedures.

3) The "date received" that appears on Form 1s is actually the date of sample collection.

4) AFCEE protocol requires duplicate laboratory control standards (LCS/LCSD) as a means of obtaining precision and accuracy on each batch. In addition, MS/MSD are required instead of duplicate/matrix spikes. Therefore, the following CLP reporting forms were used to report LCS/LCSD and MS/MSD data.

   - Two separate Form 5-As for recoveries for matrix spike and matrix spike duplicate.
   - Form 6 (one each) for RPDs for MS/MSD and LCS/LCSD.
   - Form 7 (two) for recoveries for LCS/LCSD.

5) The NUS Laboratory has recently revised the ICP and graphite furnace standard operating procedures in which a detection limit (CRDL) standard is no longer analyzd as a sample in each analysis run. Consequently, this data is not available on Form 2 (part 2). Alternatively, an additional low level PQL standard is used in the calibration of each instrument. The PQL standard is a requirement of the latest version of the Air Force IRP Handbook (September 1993). As with the detection limit standard used previously, the PQL calibration standard must be discernible from the blank.

6) Times of analysis for instruments that do not provide this information (MAS50B) are estimated on Form 14 (Analytical Run Log).

7) Analyte field size restrictions resulted in Molybdenum being truncated to "Molybdenu" on the reporting forms.

8) A quality control sample (MS/MSD) was not designated for the samples in this SDG, therefore data qualifiers and QC Forms V and VI for samples do not appear in the package. However, the soils in this SDG were batched with other AFCEE samples from which a QC sample was prepared. QC data on sample 260-02-0509 (NUS sample P277528) is available in SDG ST260 for use of data qualifiers and evaluation of results obtained by ICP on soils in this package.

9) The solid LCS/LCSD associated with preparation batch 27066 yielded aluminum results outside the laboratory established, statistically-based control limits of 125% to 179% recovery. Aluminum recoveries on the LCS/LCSD were 117.5% and 118.4%. Although, on the surface, these recoveries appear to be quite good (approximately 100%), they are substantially different than the laboratory's previously determined average for aluminum of ~150%. Consequently, the samples were reprepared in batch 27315. Reanalyses of batch 27315 on 07/13/94 also yielded low recoveries on the LCS/LCSD (76.9% and 75.7%) for aluminum. Thus the batch was reprepared a third time in batch 27416. This batch was analyzed by ICP on 07/15/94 (data in package) and it also yielded poor aluminum recoveries (74.6% and 71.6%). Eventually, the laboratory discovered that the preparation conditions greatly affect the LCS recovery for aluminum and the original data for batch 27066 were accepted for the following reasons.

Unlike most of the other elements which are spiked onto the LCS by the manufacturer, aluminum is an indigenous metal of the solid control material. The acid digestion performed on solids (soils, LCS, etc.) is not a total dissolution procedure. Rather the digestion is only a partial dissolution and solid residues always remain after digestion which must be filtered off. These residues are nothing more than indigenous metals which continue to dissolved into solution with continued heating. They will also dissolve more with greater digestion temperature. Consequently, the concentration of indigenous metals in the digestate is highly dependent upon the preparation conditions. Since the acid digestion (SW 846 Method 3050 Section 7.2 and 7.4) allows for variable conditions (especially digestion time), the concentration of indigenous metals, namely aluminum, has varied greatly.

In addition, the statistical calculations were determined from a limited set of data during which time the preparation conditions were relatively constant. Consequently, the statistical limits previously determined for indigenous metals are artificially narrow. The laboratory has calculated new limits for aluminum using 53 data points obtained over a period from 6/6/94 to 7/26/94. The average recovery for this set of data is 140.7% and the 95% confidence interval is 79.1% to 202.3%. These limits will be used for aluminum on future analyses of ERA Lot 291 LCS material.

Finally, since aluminum is an indigenous metal to most soils and the preparation yields highly variable results, the results for this metal should only be considered as approximate or estimate values.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST262
SEMIVOLATILES DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST262
SEMIVOLATILES

1) The samples in this package were analyzed by protocols to meet the requirements of the Air Force IRP/AFCEE as defined in "Handbook to Support the Installation Restoration Program (IRP) Statements of Work," May, 1991. These requirements are defined in the Sampling and Analysis Plan (SAP) as modified by any subsequent revisions.

2) The LCS/LCSD pair data were tabulated and reported as if they were MS/MSD. Each LCS/LCSD pair was given the name of the associated blank followed by either the MS (LCS) or MSD (LCSD) suffix. For example, water blank SBLKFP is associated with SBLKFPMS (LCS) and SBLKFPMSD.

3) Internal standard areas are reported for all sample analyses, but corrective action is required only if internal standard areas for a continuing calibration do not meet criteria a superfund in the SW-846 method.

4) The following compounds did not meet the 20.5% RSD criteria established for initial calibrations for the AFCEE protocol:

Instrument/Date and Time	Compound	%RSD
GCMSF / 5-31-94 / 17:31	Benzo(k)fluoranthene	22.6
GCMSF / 6-10-94 / 16:00	Benzo(k)fluoranthene	24.4

5) The following compounds did not meet the 25% D criteria established for continuing calibrations for the AFCEE protocol:

Instrument/Date and Time	Compound	%D
GCMSF / 6-6-94 / 13:10	2,4,5-Trichlorophenol	36.6
	2,4-Dinitrotoluene	26.7

6) Lot #LA41854 of LCS/LCSD spiking solution obtained from Supelco, Inc. included several target analytes which were prepared in the cocktail at a concentration other than 100 µg/mL. For those compounds whose concentrations were determined to exceed 100 ± 5 µg/mL, their concentrations were corrected and the corrected concentrations used to determine LCS/LCSD and MS/MSD recoveries.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST262
PESTICIDE/PCB DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST262
PESTICIDE/PCB

1) Analysis for this package was performed on a Varian GC model 3400 with both primary and conformational columns installed. A single 2 µL injection was made on column and split to the Rtx-1701 and Rtx-35 columns, here referred to as column A and B respectively.

2) Sample P274584 and the associated QC samples were run on 6-7-94 and 6-8-94. PCB 1260 recovered outside the control limits in the LCSD (P275263) on the Rtx-1701 column (see Table 1). No corrective action was taken since the % Recovery of PCB 1260 was within limits in the LCS on the Rtx-1701 column, as well as in the LCS and LCSD on the Rtx-35 column. The RPD of PCB 1260 on the Rtx-1701 column was 1.

	Column	% Recovery	Limits
LCS	Rtx-1701	130	17-130%
LCS	Rtx-35	125	17-130%
LCSD	Rtx-1701	131*	17-130%
LCSD	Rtx-35	127	17-130%

TABLE 1

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST262
HERBICIDES DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST262
HERBICIDES

1) Analysis for this package was performed on a Hewlett Packard 5890 gas chromatograph. A single 2 µL injection was made on a RTX-1701 capillary column.

2) A peak within the retention time window of 2,4,5-T was detected in the low level water prep blank (run 6/7/94 at 14:51) at a concentration of 0.5 µg/L. No corrective action taken since this peak was not detected in any of the associated samples.

3) LCS recovery limits exist only for 2,4,-D, silvex, and 2,4,5-T. Limits for the other herbicide compounds will be generated once sufficient recovery data has been collected to allow their calculation.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST262
DIESEL RANGE ORGANICS DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST262
DIESEL RANGE ORGANICS

1) Diesel range organics (DRO) analyses were conducted by extracting 1 liter of water or 30 grams of soil with methylene chloride. The extracts were concentrated to 1 mL and analyzed by gas chromatography. A Hewlett-Packard 5890 gas chromatograph fitted with a 30 meter, 0.53 mm ID (megabore) RTX-5 capillary column and equipped with a flame ionization detector was used to complete the analyses.

2) A 5-point calibration was performed for DRO using a 10-component synthetic standard mix. For each level of calibration, the areas observed for the peaks were summed. The sum of the peaks from each calibration level was plotted against the concentration (µg/mL). If the correlation coefficient (r) >0.995 or the determination coefficient (R^2) >0.990, the calibration is linear. Reasonable quadratic curves may be used when the calibration is not linear. Sample concentrations were determined from the plot labelled "DRO" by comparing the total area observed for component peaks eluting between the retention times of decane and octacosane to the corresponding concentration (amount) in µg/mL. This value is then corrected for extract volume, the volume or weight of sample extracted and the dilution factor (if any). The surrogate standard, n-pentacosane, elutes within the DRO window. Its area is subtracted from the total area observed.

3) Sample concentrations were calculated using the following formulas:

For Soils:

$$DRO\ (\mu g\ /Kg) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the weight of the sample extracted in kilograms.
DF = the dilution factor.

For Waters:

$$DRO\ (\mu g\ /L) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the volume of sample extracted in liters.
DF = the dilution factor.

4) The DRO surrogate spiking solution was prepared at a concentration of 104 µg/mL. The data system's percent recovery was set-up based upon a spiking solution of 100 µg/mL. The surrogate recoveries reported on the Forms 2E are correct and based upon the 104 µg/mL surrogate spiking solution. For soils, the n-pentacosane concentration was corrected from µg/L to µg/kg. For example, sample 262010406 (P274585) had an n-pentacosane concentration of 123.55 µg/L. Since the final volume of the extract is 1 mL, this can be expressed as 123.55 µg/mL. For a soil extract, then

$$123.55\ \mu g/mL \times 1\ mL \times \frac{1}{0.030\ kg} = 4120\ \mu g/kg\ or\ 118\%\ recovery.$$

None of the surrogate recovery calculations were corrected for % moisture.

5) Percent moistures were not determined for soil blanks or soil LCS/LCSDs. No blank or LCS/LCSD data were corrected for percent moisture.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST262
INORGANIC DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST262
INORGANIC

1) The samples in this data package were analyzed by protocols that are to meet the requirements of "Handbook to Support the Installation Restoration Program (IRP) Statements of Work", May 1991 and any project-specific requirements. The requirements for analysis and reporting are specified in the laboratory quality assurance plan for AFCEE as modified by the Sampling and Analysis Plan.

2) CLP reporting forms were used even though CLP protocols are not required for the analyses. Data qualifiers, as specified in the table immediately following the Cover Page, are used on the reporting forms according to CLP requirements; although these requirements may not be specific to AFCEE reporting procedures.

3) The "date received" that appears on Form 1s is actually the date of sample collection.

4) AFCEE protocol requires duplicate laboratory control standards (LCS/LCSD) as a means of obtaining precision and accuracy on each batch. Therefore, the following CLP reporting forms were used to report LCS/LCSD.

   - Form 6 (one each) for RPDs for MS/MSD and LCS/LCSD.
   - Form 7 (two) for recoveries for LCS/LCSD.

5) The NUS Laboratory has recently revised the ICP and graphite furnace standard operating procedures in which a detection limit standard is no longer analyzed as a sample in each analysis run. Consequently, this data is not available on Form 2 (part 2). Alternatively, an additional low level PQL standard is used in the calibration of each instrument. The PQL standard is a requirement of the latest version of the Air Force IRP Handbook (September 1993). As with the detection limit standard used previously, the PQL calibration standard must be discernible from the blank.

6) Times of analysis for instruments that do not provide this information (MAS50B) are estimated on Form 14 (Analytical Run Log).

7) Analyte field size restrictions resulted in Molybdenum being truncated to "Molybdenu" on the reporting forms.

8) A quality control sample (MS/MSD) was not designated for the samples in this SDG, therefore data qualifiers and QC Forms V and VI for samples do not appear in the package. However, the soils in this SDG were batched with other AFCEE samples from which a QC sample was prepared. QC data on sample 243-04-0812 (NUS sample P273195) is available in SDG ST243 for use of data qualifiers and evaluation of results on soils, in this package.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST263
DIESEL RANGE ORGANICS DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST263
DIESEL RANGE ORGANICS (DRO)

1) Diesel range organics (DRO) analyses were conducted by extracting 1 liter of water or 30 grams of soil with methylene chloride. The extracts were concentrated to 1 mL and analyzed by gas chromatography. A Hewlett-Packard 5890 gas chromatograph fitted with a 30 meter, 0.53 mm ID (megabore) RTX-5 capillary column and equipped with a flame ionization detector was used to complete the analyses.

2) A 5-point calibration was performed for DRO using a 10-component synthetic standard mix. For each level of calibration, the areas observed for the peaks were summed. The sum of the peaks from each calibration level was plotted against the concentration (µg/mL). If the correlation coefficient (r) >0.995 or the determination coefficient (R^2) >0.990, the calibration is linear. Reasonable quadratic curves may be used when the calibration is not linear. Sample concentrations were determined from the plot labelled "DRO" by comparing the total area observed for component peaks eluting between the retention times of decane and octacosane to the corresponding concentration (amount) in µg/mL. This value is then corrected for extract volume, the volume or weight of sample extracted and the dilution factor (if any). The surrogate standard, n-pentacosane, elutes within the DRO window. Its area is subtracted from the total area observed.

3) Sample concentrations were calculated using the following formulas:

For Soils:

$$DRO\ (\mu g\ /Kg) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the weight of the sample extracted in kilograms.
DF = the dilution factor.

For Waters:

$$DRO\ (\mu g\ /L) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the volume of sample extracted in liters.
DF = the dilution factor.

4) The DRO surrogate spiking solution was prepared at a concentration of 102 µg/L. The data system's percent recovery was set up based upon a spiking solution of 100 µg/mL. The surrogate recoveries reported on the forms 2E are correct and based upon the 102 µg/mL surrogate spiking solution. For soils, the n-pentacosane concentration was corrected from µg/L to µg/kg. For example, sample 263010305 (P272183) had an n-pentacosane concentration of 85.48 µg/L. Since the final volume of the extract is 1 mL, this can be expressed as 85.48 µg/mL. For a soil extract, then,

$$85.48\ \mu g/mL \times 1\ mL \times \frac{1}{0.030\ kg} = 2850\ \mu g/kg\ or\ 84\%\ recovery.$$

None of the surrogate recovery calculations were corrected for % moisture.

5) Percent moistures were not determined for soil blanks or soil LCS/LCSDs. No blank or LCS/LCSD data were corrected for percent moisture.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST263
SEMIVOLATILES DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST263
SEMIVOLATILES

1) The samples in this package were analyzed by protocols to meet the requirements of the Air Force IRP/AFCEE as defined in "Handbook to Support the Installation Restoration Program (IRP) Statements of Work," May, 1991. These requirements are defined in the Sampling and Analysis Plan (SAP) as modified by any subsequent revisions.

2) The LCS/LCSD pair data were tabulated and reported as if they were MS/MSD. Each LCS/LCSD pair was given the name of the associated blank followed by either the MS (LCS) or MSD (LCSD) suffix. For example, water blank SBLKGH is associated with SBLKGHMS (LCS) and SBLKGHMSD.

3) Internal standard areas are reported for all sample analyses, but corrective action is required only if internal standard areas for a continuing calibration do not meet criteria a superfund in the SW-846 method.

4) The following surrogate failures were noted.

Sample #	Sample ID	Date/Time of Analysis	Instrument	Surrogate	% Recovery	Recovery Limits %
	SBLKGI	5/26/94 / 19:45	GCMSG	Phenol-d_5	101	48-97
	SBLKGIMSD	5/26/94 / 21:23	GCMSG	Phenol-d_5 2-Fluorobiphenyl	98 88	48-97 50-86
P272184	263060810	5/31/94 / 14:49	GCMSG	Phenol-d_5 2-Fluorobiphenyl	102 87	48-97 50-86
P272185	263020305	5/31/94 / 15:39	GCMSG	Phenol-d_5 Nitrobenzene-d_5	106 87	48-97 54-85
P272186	263020811	5/31/94 / 16:27	GCMSG	Phenol-d_5 Nitrobenzene-d_5	102 86	48-97 54-85
P272187	263030305	5/31/94 / 17:16	GCMSG	Phenol-d_5	102	48-97
P272188	263030812	5/31/94 / 18:07	GCMSG	Phenol-d_5	98	48-97
P272189	263040305	5/31/94 / 18:58	GCMSG	Phenol-d_5 Nitrobenzene-d_5	106 86	48-97 54-85
P272191	263050306	5/31/94 / 20:41	GCMSG	Phenol-d_5	103	48-97

Sample #	Sample ID	Date/Time of Analysis	Instrument	Surrogate	% Recovery	Recovery Limits %
P272190	263050810	5/31/94 / 19:49	GCMSG	Phenol-d_5	101	48-97
P272193	263990812	5/31/94 / 22:23	GCMSG	Phenol-d_5	99	48-97

The high surrogate recoveries were probably due to improvements made in the analytical technique (more frequent column cutting and changing of injection port liners). The observed surrogate recovery failures should have no adverse effect on the data.

5) Lot #LA41854 of LCS/LCSD spiking solution obtained from Supelco, Inc. included several target analytes which were prepared in the cocktail at a concentration other than 100 µg/mL. For those compounds whose concentrations were determined to exceed 100 ± 5 µg/mL, their concentrations were corrected and the corrected concentrations used to determine LCS/LCSD and MS/MSD recoveries.

6) The following pages were removed from this data package during data review:

000190
000039

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST263
INORGANIC DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST263
INORGANIC

1) The samples in this data package were analyzed by protocols that are to meet the requirements of "Handbook to Support the Installation Restoration Program (IRP) Statements of Work", May 1991 and any project-specific requirements. The requirements for analysis and reporting are specified in the laboratory quality assurance plan for AFCEE as modified by the Sampling and Analysis Plan.

2) CLP reporting forms were used even though CLP protocols are not required for the analyses. Data qualifiers, as specified in the table immediately following the Cover Page, are used on the reporting forms according to CLP requirements; although these requirements may not be specific to AFCEE reporting procedures.

3) The "date received" that appears on Form 1s is actually the date of sample collection.

4) AFCEE protocol requires duplicate laboratory control standards (LCS/LCSD) as a means of obtaining precision and accuracy on each batch. In addition, MS/MSD are required instead of duplicate/matrix spikes. Therefore, the following CLP reporting forms were used to report LCS/LCSD and MS/MSD data.

   - Two separate Form 5-As for recoveries for matrix spike and matrix spike duplicate.
   - Form 6 (one each) for RPDs for MS/MSD and LCS/LCSD.
   - Form 7 (two) for recoveries for LCS/LCSD.

5) A CRDL standard was analyzed for all required analytes. As recovery limits have not been established for the CRDL standard, the results, as obtained, are reported on Form 2B. No corrective action is required for high or low recovery situations. Percent recovery calculations are performed on the actual value, even if found to be below the IDL.

6) Times of analysis for instruments that do not provide this information (MAS50B) are estimated on Form 14 (Analytical Run Log).

7) Analyte field size restrictions resulted in Molybdenum being truncated to "Molybdenu" on the reporting forms.

8) The laboratory has procured and used a new LCS material (ERA Lot 219) with the soil samples in this SDG. The new material is physically different than previous solid LCS material and, consequently, yields recoveries for most metals substantially different than the previously established, statistically-based, control limits. Therefore, default control limits provided by the manufacturer of the material, Environmental Resource Associates, are used. These limits are listed in Form 7 of the case. The default control limits are being used until new statistically-based control limits can be established for the new solid control material. With the exception of aluminum, all metals are yielding recoveries within the default range. Aluminum, yielding an average of 154% from preliminary evaluations of the material (eight separate analyses referred by NIST SRM 2710), is believed to be true and accurate for the NUS Laboratory due to the nature of the new LCS material. Aluminum results are, therefore, reported with this apparent discrepancy until new statistically-based limits can be established.

9) A quality control sample (MS/MSD) was not designated for the samples in this SDG. However, the AFCEE sample 623-05-0306 (NUS sample P272191) was digested and analyzed as the solid QC sample for all metals, with the exception of mercury.

10) The ninth continuing calibration verification standard (CCV9) associated with ICP analysis of 05/16/94 yielded recoveries outside control limits for potassium and sodium. However, none of the samples in this SDG are affected.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST264
DIESEL RANGE ORGANICS DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST264
DIESEL RANGE ORGANICS

1) Diesel range organics (DRO) analyses were conducted by extracting 1 liter of water or 30 grams of soil with methylene chloride. The extracts were concentrated to 1 mL and analyzed by gas chromatography. A Hewlett-Packard 5890 gas chromatograph fitted with a 30 meter, 0.53 mm ID (megabore) RTX-5 capillary column and equipped with a flame ionization detector was used to complete the analyses.

2) A 5-point calibration was performed for DRO using a 10-component synthetic standard mix. For each level of calibration, the areas observed for the peaks were summed. The sum of the peaks from each calibration level was plotted against the concentration (µg/mL). If the correlation coefficient (r) >0.995 or the determination coefficient (R^2) >0.990, the calibration is linear. Reasonable quadratic curves may be used when the calibration is not linear. Sample concentrations were determined from the plot labelled "DRO" by comparing the total area observed for component peaks eluting between the retention times of decane and octacosane to the corresponding concentration (amount) in µg/mL. This value is then corrected for extract volume, the volume or weight of sample extracted and the dilution factor (if any). The surrogate standard, n-pentacosane, elutes within the DRO window. Its area is subtracted from the total area observed.

3) Sample concentrations were calculated using the following formulas:

For Soils:

$$DRO\ (\mu g\ /Kg) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the weight of the sample extracted in kilograms.
DF = the dilution factor.

For Waters:

$$DRO\ (\mu g\ /L) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the volume of sample extracted in liters.
DF = the dilution factor.

4) The DRO surrogate spiking solution was prepared at a concentration of 104 µg/mL. For soils, the n-pentacosane concentration was corrected from µg/L to µg/kg. For example, sample 264020709 (P278809) had an n-pentacosane concentration of 107.67 µg/mL. For a soil extract, then

$$107.67\ \mu g/mL \times 1\ mL \times \frac{1}{0.030\ kg}\ or\ 103\%\ recovery.$$

None of the surrogate recovery calculations were corrected for percent moisture.

5) Percent moistures were not determined for soil blanks or soil LCS/LCSDs. No blank or LCS/LCSD data were corrected for percent moisture.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: 264
SEMIVOLATILES DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: 264
SEMIVOLATILES

1) The samples in this package were analyzed by protocols to meet the requirements of the Air Force IRP/AFCEE as defined in "Handbook to Support the Installation Restoration Program (IRP) Statements of Work," May, 1991. These requirements are defined in the Sampling and Analysis Plan (SAP) as modified by any subsequent revisions.

2) The LCS/LCSD pair data were tabulated and reported as if they were MS/MSD. Each LCS/LCSD pair was given the name of the associated blank followed by either the MS (LCS) or MSD (LCSD) suffix. For example, water blank SBLKGH is associated with SBLKGHMS (LCS) and SBLKGHMSD (LCSD).

3) Internal standard areas are reported for all sample analyses, but corrective action is required only if internal standard areas for a continuing calibration do not meet criteria as specified in the SW-846 methods.

4) The following surrogate failures were noted.

Sample #	Sample ID	Date/Time of Analysis	Instrument	Surrogate	% Recovery	Recovery Limits %
P278808	EB264020594	7-21-94 / 02:53	GCMSG	2-Fluorobiphenyl	96	28-92
P278571	264011214	7-20-94 / 06:34	GCMSG	2-Fluorophenol 2,4,6-Tribromophenol	27 0	32-103 46-125
P278812	264031214	7-21-94 / 08:22	GCMSG	2-Fluorophenol 2,4,6-Tribromophenol	22 4	32-103 46-125

The samples in which 2 acid surrogates failed were re-extracted and reanalyzed. Satisfactory surrogate recoveries were observed upon re-extraction and reanalysis.

The high surrogate recovery was probably due to improvements made in the analytical technique (frequent column cutting and changing of injection port lines). The observed high surrogate recovery failures should have no adverse effect on the data.

See NC/CA #SA-0-94-000134 and SA-0-94-000137.

5) The following compounds did not meet the 20.5% RSD criteria established for initial calibrations for the AFCEE protocol.

Instrument/Date and Time	Compound	% RSD
GCMSG / 7-22-94 / 11:02	Benzo(k)fluoranthene	23.3

The initial calibration is valid, since up to 4 non-CCCs may exceed the %RSD criteria, provided their RRFs are ≥0.010 and their %RSDs are ≤40.0%.

6) The following compounds did not meet the 25% D criteria established for continuing calibrations for the AFCEE protocol:

Instrument/Date and Time	Compound	%D
GCMSG / 7-18-94 / 15:26	Hexachlorobutadiene	-27.9
GCMSG / 7-20-94 / 22:47	Hexachlorobutadiene	-35.1
GCMSG / 7-22-94 / 09:24	Benzo(k)fluoranthene	-30.4

None of these compounds were present in any of the samples associated with this package. No adverse affect on the data is expected. See NC/CA #SA-0-94-000132.

7) Lot #LA41854 of LCS/LCSD spiking solution obtained from Supelco, Inc. included several target analytes which were prepared in the cocktail at a concentration other than 100 µg/mL. For those compounds whose concentrations were determined to be different than 100 ± 5 µg/mL, their concentrations were corrected and the corrected concentrations were used to determine LCS/LCSD and MS/MSD recoveries.

8) Percent moistures were not determined for soil blanks and LCS's. The percent moisture filed on the form 1s for these samples were left blank.

9) No benzoic acid was recovered in any of the water LCS/LCSD pairs associated with this package. The waters in this package were equipment blanks (EB264063094-P278569 and EB264070594-P278808).

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST264
INORGANIC DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST264
INORGANIC

1) The samples in this data package were analyzed by protocols that are to meet the requirements of "Handbook to Support the Installation Restoration Program (IRP) Statements of Work", May 1991 and any project-specific requirements. The requirements for analysis and reporting are specified in the laboratory quality assurance plan for AFCEE as modified by the Sampling and Analysis Plan.

2) CLP reporting forms were used even though CLP protocols are not required for the analyses. Data qualifiers, as specified in the table immediately following the Cover Page, are used on the reporting forms according to CLP requirements; although these requirements may not be specific to AFCEE reporting procedures.

3) The "date received" that appears on Form 1s is actually the date of sample collection.

4) AFCEE protocol requires duplicate laboratory control standards (LCS/LCSD) as a means of obtaining precision and accuracy on each batch. In addition, MS/MSD are required instead of duplicate/matrix spikes. Therefore, the following CLP reporting forms were used to report LCS/LCSD and MS/MSD data.

   - Two separate Form 5-As for recoveries for matrix spike and matrix spike duplicate.
   - Form 6 (one each) for RPDs for MS/MSD and LCS/LCSD.
   - Form 7 (two) for recoveries for LCS/LCSD.

5) The NUS Laboratory has recently revised the ICP and graphite furnace standard operating procedures in which a detection limit (CRDL) standard is no longer analyzed as a sample in each analysis run. Consequently, this data is not available on Form 2 (part 2). Alternatively, an additional low level PQL standard is used in the calibration of each instrument. The PQL standard is a requirement of the latest version of the Air Force IRP Handbook (September 1993). As with the detection limit standard used previously, the PQL calibration standard must be discernible from the blank.

6) Times of analysis for instruments that do not provide this information (MAS50B) are estimated on Form 14 (Analytical Run Log).

7) Analyte field size restrictions resulted in Molybdenum being truncated to "Molybdenu" on the reporting forms.

8) A quality control sample (MS/MSD) was not designated for the samples in this SDG. However, AFCEE sample EB-264-070594 (NUS sample P278808) was digested and analyzed as the aqueous QC sample for all elements except mercury. Aqueous QC analysis for mercury was performed on AFCEE sample EB-264-063094 (NUS sample P278569). AFCEE samples 264-01-0709 (NUS sample P278570) and 264-03-1214 (NUS sample P278812) were digested and analyzed as the solid QC sample for all elements except mercury.

9) Samples 264-02-0709 (NUS sample P278809), 264-02-1214 (NUS sample P278810), 264-03-0709 (NUS sample P278811), 264-03-1214 (NUS sample P278812) were initially prepared in batch 27369 on 07/08/94. However, since all other samples in the batch were from the Kirtland 2D phase of the project which employs the new and different AFCEE protocol, the four 2B samples identified here were reprepared in batch 27524. Then on analysis of the solid LCS associated with batch 27524 it was discovered that the LCS was unintentionally spiked with the matrix spiking solution. Consequently, the recoveries for metals from the solid LCS alone could not be calculated and the associated samples were prepared again in batch 27765. This batch yielded acceptable data which was reported.

10) The solid LCS/LCSD associated with samples in preparation 27765 yielded recoveries for several elements just outside their statistically-based control limits. These include barium, cadmium, copper, magnesium, nickel on the LCS and chronium, and nickel on the LCSD. However, the data for these elements were accepted for the following reasons. The statistics used to generate the control limits is deficient in that a small population of results was used to calculate the control limits. Consequently, the control limits are artificially narrow. Indeed, the control limits for the elements in question on the solid LCS are more narrow than acceptance criteria on various process control variables that affect the outcome of the results on the LCS. For example, the acceptance window for continuing calibration standards is 100 ±10% recovery on ICP, the method used to obtain the data. The control limits on the solid LCS are even more narrow than this, although depending on how the instrument is running (as determined by results on calibration standards), the results on the LCS could vary by as much as 10%. Consequently, results on the LCS that recovered within 10% of the laboratory established mean were accepted.

11) A 134.6% recovery was observed for silver in the solid LCSD associated with preparation batch 27284. Although this value is above the laboratory's statistically-based limit for silver (132%), the data were accepted. The data were accepted because the only sample in this SDG, sample 264-01-0709 (NUS sample P278570), yielded a result less than the detection limit. Consequently, the positive bias for silver on the LCSD was not observed on the sample.

12) Although silver and mercury in the aqueous LCS/LCSDs of preparation batches 27260 and 27335 yielded recoveries greater than 120%, the results were within the laboratory's statistically-based control limits of the respective elements.

13) The initial and final ICSABs yielded high recoveries for silver in the ICP analysis run of 07/27/94. This, however, is not believed to be due to a matrix effect. Rather it is believed that the silver calibration was somewhat low on that day. A low instrument calibration will generally cause a high bias on all samples and all check standards that have positive hits. Although, the ICV (sequence #39) of the run recovered within range (104%). However, none of the samples in this SDG which were analyzed for silver on 07/27/94 yielded silver results above the instrument detection limit. Consequently, the positive bias was not observed in the samples.

14) The solid LCS/LCSD associated with preparation batch 27765 yielded aluminum results outside the laboratory established, statistically-based control limits of 125% to 179% recovery. However the data were accepted for the following reasons.

Unlike most of the other elements which are spiked onto the LCS by the manufacturer, aluminum is an indigenous metal of the solid control material. The acid digestion performed on solids (soils, LCS, etc.) is not a total dissolution procedure. Rather the digestion is only a partial dissolution and solid residues always remain after digestion which must be filtered off. These residues are nothing more than indigenous metals which continue to dissolve into solution with continued heating. They will also dissolve more with greater digestion temperature. Consequently, the concentration of indigenous metals in the digestate is highly dependent upon the preparation conditions. Since the acid digestion (SW846 Method 3050 Section 7.2 and & 7.4) allows for variable conditions (especially digestion time), the concentration of indigenous metals, namely aluminum, has varied greatly.

In addition the statistical calculations were determined from a limited set of data during which time the preparation conditions were relatively constant. Consequently, the statistical limits previously determined for indigenous metals are artificially narrow. The laboratory has calculated new limits for aluminum using 53 data points obtained over a period from 6/6/94 to 7/26/94. The average recovery for this set of data is 140.7% and the 95% confidence internal is 79.1% to 202.3%. These limits will be used for aluminum on future analyses of ERA lot 219 LCS material.

Finally, since aluminum is an indigenous metal to most soils and the preparation yields highly variable results, the results for this metal should only be considered as approximate or estimate values.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST264
GASOLINE RANGE ORGANICS DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST264
GASOLINE RANGE ORGANICS

1) Gasoline range organics analyses (GRO) were conducted by purging 5 mL of water or 5 grams of soil with an inert gas. The purged contaminants were trapped and thermally desorbed onto a 105 meter 502.2 chromatography column installed in a Varian 3700 gas chromatograph. The gas chromatograph was equipped with a flame ionization detector.

2) A 5-point calibration was performed for GRO using a sample of regular unleaded gasoline. For each level of calibration, the areas observed for the peaks were summed. The sum of the peaks eluting between the retention times of 2-methylpentane and 1,2,4-trimethylbenzene from each calibration level was plotted against the concentration (µg/mL). If the correlation coefficient (r) >0.995 or the determination coefficient (R^2) >0.990, the calibration is linear. Reasonable quadratic curves may be used when the calibration is not linear. Sample concentrations were determined from the plot labelled "GASOLINE" by comparing the total area observed for component peaks eluting between the retention times of 2-methylpentane and 1,2,4-trimethylbenzene to the corresponding concentration (amount) in µg/L or µg/Kg. The surrogate standard, a,a,a-trifluorotoluene, elutes within the GRO window. Its area is subtracted from the total area observed.

3) None of the surrogate recovery calculations were corrected for percent moisture.

4) Percent moistures were not determined for soil blanks or soil LCS/LCSDs. No blank or LCS/LCSD data were corrected for percent moisture.

5) Equipment blanks were analyzed as soils with the permission of the NUS project manager.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST265
DIESEL RANGE ORGANICS DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST265
DIESEL RANGE ORGANICS

1) Diesel range organics (DRO) analyses were conducted by extracting 1 liter of water or 30 grams of soil with methylene chloride. The extracts were concentrated to 1 mL and analyzed by gas chromatography. A Hewlett-Packard 5890 gas chromatograph fitted with a 30 meter, 0.53 mm ID (megabore) RTX-5 capillary column and equipped with a flame ionization detector was used to complete the analyses.

2) A 5-point calibration was performed for DRO using a 10-component synthetic standard mix. For each level of calibration, the areas observed for the peaks were summed. The sum of the peaks from each calibration level was plotted against the concentration (µg/mL). If the correlation coefficient (r) >0.995 or the determination coefficient (R^2) >0.990, the calibration is linear. Reasonable quadratic curves may be used when the calibration is not linear. Sample concentrations were determined from the plot labelled "DRO" by comparing the total area observed for component peaks eluting between the retention times of decane and octacosane to the corresponding concentration (amount) in µg/mL. This value is then corrected for extract volume, the volume or weight of sample extracted and the dilution factor (if any). The surrogate standard, n-pentacosane, elutes within the DRO window. Its area is subtracted from the total area observed.

3) Sample concentrations were calculated using the following formulas:

For Soils:

$$DRO\ (\mu g\ /Kg) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the weight of the sample extracted in kilograms.
DF = the dilution factor.

For Waters:

$$DRO\ (\mu g\ /L) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the volume of sample extracted in liters.
DF = the dilution factor.

4) Percent moistures were not determined for soil blanks or soil LCS/LCSDs. No blank or LCS/LCSD data were corrected for percent moisture.

5) None of the surrogate recovery calculations were corrected for percent moisture.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST265
GASOLINE RANGE ORGANICS DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST265
GASOLINE RANGE ORGANICS

1) Gasoline range organics analyses (GRO) were conducted by purging 5 mL of water or 5 grams of soil with an inert gas. The purged contaminants were trapped and thermally desorbed onto a 105 meter 502.2 chromatography column installed in a Varian 3700 gas chromatograph. The gas chromatograph was equipped with a flame ionization detector.

2) A 5-point calibration was performed for GRO using a sample of regular unleaded gasoline. For each level of calibration, the areas observed for the peaks were summed. The sum of the peaks eluting between the retention times of 2-methylpentane and 1,2,4-trimethylbenzene from each calibration level was plotted against the concentration (µg/mL). If the correlation coefficient (r) >0.995 or the determination coefficient (R^2) >0.990, the calibration is linear. Reasonable quadratic curves may be used when the calibration is not linear. Sample concentrations were determined from the plot labelled "GASOLINE" by comparing the total area observed for component peaks eluting between the retention times of 2-methylpentane and 1,2,4-trimethylbenzene to the corresponding concentration (amount) in µg/L or µg/Kg. The surrogate standard a,a,a-trifluorotoluene, elutes within the GRO window. Its area is subtracted from the total area observed.

3) The equipment blanks were waters, but they were analyzed as soils. Permission to do this was granted by the project manager, so long as the results were reported in water units.

4) The surrogate recovery calculations were not corrected for percent moisture.

5) No blank or LCS/LCSD percent moistures were determined.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST265
SEMIVOLATILES DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST265
SEMIVOLATILES

1) The samples in this package were analyzed by protocols to meet the requirements of the Air Force IRP/AFCEE as defined in "Handbook to Support the Installation Restoration Program (IRP) Statements of Work," May, 1991. These requirements are defined in the Sampling and Analysis Plan (SAP) as modified by any subsequent revisions.

2) The LCS/LCSD pair data were tabulated and reported as if they were MS/MSD. Each LCS/LCSD pair was given the name of the associated blank followed by either the MS (LCS) or MSD (LCSD) suffix. For example, water blank SBLKGA is associated with SBLKGAMS (LCS) and SBLKGAMSD (LCSD).

3) Internal standard areas are reported for all sample analyses, but corrective action is required only if internal standard areas for a continuing calibration do not meet criteria as specified in the SW-846 methods.

4) The following surrogate failures were noted.

Sample #	Sample ID	Date/Time of Analysis	Instrument	Surrogate	% Recovery	Recovery Limits %
	SBLKGA			2-Fluorobiphenyl	101	28-92
	EB265062894			2-Fluorobiphenyl	103	28-92

The high surrogate recoveries were probably due to improvements made in the analytical technique (frequent column cutting and changing of injection port lines). The observed surrogate recovery failure should have no adverse effect on the data.

5) The following compounds did not meet the 20.5% RSD criteria established for initial calibrations for the AFCEE protocol.

Instrument/Date and Time	Compound	% RSD
GCMSG / 7-22-94 / 11:02	Benzo(k)fluoranthene	23.3

The initial calibration is valid, since up to 4 non-CCCs may exceed the %RSD criteria.

6) The following compounds did not meet the 25% D criteria established for continuing calibrations for the AFCEE protocol:

Instrument/Date and Time	Compound	%D
GCMSG / 7-14-94 / 08:14	Hexachlorobutadiene	-26.8
GCMSG / 7-18-94 / 15:26	Hexachlorobutadiene	-27.9

No hexachlorobutadiene was detected in any of the samples analyzed for this package. See NC/CA SA-0-94-000132 and SA-0-94-000135.

7) Lot #LA41854 of LCS/LCSD spiking solution obtained from Supelco, Inc. included several target analytes which were prepared in the cocktail at a concentration other than 100 µg/mL. For those compounds whose concentrations were determined to be different than 100 ± 5 µg/mL, their concentrations were corrected and the corrected concentrations were used to determine LCS/LCSD and MS/MSD recoveries.

8) Percent moistures were not determined for soil blanks and LCS's. The percent moisture field on the form 1s for these samples were left blank.

9) A 20x dilution was performed for 265-01-0406 (P277986). This was necessary because the undiluted analysis resulted in the IS and surrogate responses being masked by the complexity of the matrix.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST265
INORGANIC DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST265
INORGANIC

1) The samples in this data package were analyzed by protocols that are to meet the requirements of "Handbook to Support the Installation Restoration Program (IRP) Statements of Work", May 1991 and any project-specific requirements. The requirements for analysis and reporting are specified in the laboratory quality assurance plan for AFCEE as modified by the Sampling and Analysis Plan.

2) CLP reporting forms were used even though CLP protocols are not required for the analyses. Data qualifiers, as specified in the table immediately following the Cover Page, are used on the reporting forms according to CLP requirements; although these requirements may not be specific to AFCEE reporting procedures.

3) The "date received" that appears on Form 1s is actually the date of sample collection.

4) AFCEE protocol requires duplicate laboratory control standards (LCS/LCSD) as a means of obtaining precision and accuracy on each batch. Therefore, the following CLP reporting forms were used to report LCS/LCSD.

   - Form 6 (one each) for RPDs for MS/MSD and LCS/LCSD.
   - Form 7 (two) for recoveries for LCS/LCSD.

5) The NUS Laboratory has recently revised the ICP and graphite furnace standard operating procedures in which a detection limit standard is no longer analyzed as a sample in each analysis run. Consequently, this data is not available on Form 2 (part 2). Alternatively, an additional low level PQL standard is used in the calibration of each instrument. The PQL standard is a requirement of the latest version of the Air Force IRP Handbook (September 1993). As with the detection limit standard used previously, the PQL calibration standard must be discernible from the blank.

6) Times of analysis for instruments that do not provide this information (MAS50B) are estimated on Form 14 (Analytical Run Log).

7) Analyte field size restrictions resulted in Molybdenum being truncated to "Molybdenu" on the reporting forms.

8) A quality control sample (MS/MSD) was not designated for the soil samples in this SDG. However, the soils were batched with other AFCEE samples from which a QC sample was prepared. QC data on sample 257-02-0307 (NUS sample P278053) is available in SDG ST257 for use of data qualifier and evaluation of results in this package.

9) An elevated detection limit for thallium, above 3 times the AFCEE maximum allowable quantitation limit, is reported on sample 265-01-0406 (NUS sample P277986) due to matrix effects. The sample was analyzed at lesser dilutions which would have yielded a lower detection limit but unacceptable thallium results were observed.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST266
INORGANIC DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST266
INORGANIC

1) The samples in this data package were analyzed by protocols that are to meet the requirements of "Handbook to Support the Installation Restoration Program (IRP) Statements of Work", May 1991 and any project-specific requirements. The requirements for analysis and reporting are specified in the laboratory quality assurance plan for AFCEE as modified by the Sampling and Analysis Plan.

2) CLP reporting forms were used even though CLP protocols are not required for the analyses. Data qualifiers, as specified in the table immediately following the Cover Page, are used on the reporting forms according to CLP requirements; although these requirements may not be specific to AFCEE reporting procedures.

3) The "date received" that appears on Form 1s is actually the date of sample collection.

4) AFCEE protocol requires duplicate laboratory control standards (LCS/LCSD) as a means of obtaining precision and accuracy on each batch. In addition, MS/MSD are required instead of duplicate/matrix spikes. Therefore, the following CLP reporting forms were used to report LCS/LCSD and MS/MSD data.

   - Two separate Form 5-As for recoveries for matrix spike and matrix spike duplicate.
   - Form 6 (one each) for RPDs for MS/MSD and LCS/LCSD.
   - Form 7 (two) for recoveries for LCS/LCSD.

5) The NUS Laboratory has recently revised the ICP and graphite furnace standard operating procedures in which a detection limit (CRDL) standard is no longer analyzed as a sample in each analysis run. Consequently this data is not available on Form 2 (part 2). Alternatively, an additional low level PQL standard is used in the calibration of each instrument. The PQL standard is a requirement of the latest version of the Air Force IRP Handbook (September 1993). As with the detection limit standard used previously, the PQL calibration standard must be discernible from the blank.

6) Times of analysis for instruments that do not provide this information (MAS50B) are estimated on Form 14 (Analytical Run Log).

7) Analyte field size restrictions resulted in Molybdenum being truncated to "Molybdenu" on the reporting forms.

8) A Quality Control Sample (matrix spike/matrix spike duplicate) was not designated for this SDG, therefore data qualifiers and QC Forms V and VI for samples do not appear in the package. However, the soils in this SDG were batched with other AFCEE samples from which a QC sample was prepared. QC data on sample 267-01-0408 (NUS sample P277804) is available in SDG ST 267 for use of data qualifiers and evaluation of results on soils in this package.

9) The solid LCS/LCSD associated with preparation batch 27066 yielded aluminum results outside the laboratory established, statistically-based control limits of 125% to 179% recovery. Aluminum recoveries on the LCS/LCSD were 117.5% and 118.4%. Although, on the surface of it, these recoveries appear to be quite good (approximately 100%), they are substantially different than the laboratory's previously determined average for aluminum of ~150%. Consequently, the samples were reprepared in batch 27315. Reanalyses of batch 27315 on 07/13/94 also yielded low recoveries on the LCS/LCSD (76.9% and 75.7%) for aluminum. Thus the batch was reprepared a third time in batch 27416. This batch was analyzed by ICP on 07/15/94 (data in package) and it also yielded poor Al recoveries (74.6% and 71.6%). Eventually, the laboratory discovered that the preparation conditions greatly affect the LCS recovery for aluminum and the original data for batch 27066 were accepted for the following reasons.

Unlike most of the other elements which are spiked onto the LCS by the manufacturer, aluminum is an indigenous metal of the solid control material. The acid digestion performed on solids (soils, LCS, etc.) is not a total dissolution procedure. Rather the digestion is only a partial dissolution and solid residues always remain after digestion which must be filtered off. These residues are nothing more than indigenous metals which continue to dissolved into solution with continued heating. They will also dissolve more with greater digestion temperature. Consequently, the concentration of indigenous metals in the digestate is highly dependent upon the preparation conditions. Since the acid digestion (SW 846 Method 3050 Section 7.2 and 7.4) allows for variable conditions (especially digestion time), the concentration of indigenous metals, namely aluminum, has varied greatly.

In addition the statistical calculations were determined from a limited set of data during which time the preparation conditions were relatively constant. Consequently, the statistical limits previously determined for indigenous metals are artificially narrow. The laboratory has calculated new limits for aluminum using 53 data points obtained over a period from 6/6/94 to 7/26/94. The average recovery for this set of data is 140.7% and the 95% confidence interval is 79.1% to 202.3%. These limits will be used for aluminum on future analyses of ERA Lot ~~291~~ 219 LCS material.

Finally, since aluminum is an indigenous metal to most soils and the preparation yields highly variable results, the results for this metal should only be considered as approximate or estimate values anyhow.

10) Silver yielded a 128% recovery in the aqueous LCS/LCSD from preparation batch 27082. Although the laboratory has observed that silver consistently yields a positive bias in the aqueous LCS, it is not observed in the associated aqueous samples. Both samples in this SDG yielded silver results below the laboratory's reporting limit (0.01 mg/L) and below the maximum allowable quantitation limit specified in the AFCEE project plan. Consequently, the silver data were accepted.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST266
DIESEL RANGE ORGANICS DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST266
DIESEL RANGE ORGANICS

1) Diesel range organics (DRO) analyses were conducted by extracting 1 liter of water or 30 grams of soil with methylene chloride. The extracts were concentrated to 1 mL and analyzed by gas chromatography. A Hewlett-Packard 5890 gas chromatograph fitted with a 30 meter, 0.53 mm ID (megabore) RTX-5 capillary column and equipped with a flame ionization detector was used to complete the analyses.

2) A 5-point calibration was performed for DRO using a 10-component synthetic standard mix. For each level of calibration, the areas observed for the peaks were summed. The sum of the peaks from each calibration level was plotted against the concentration (µg/mL). If the correlation coefficient (r) >0.995 or the determination coefficient (R^2) >0.990, the calibration is linear. Reasonable quadratic curves may be used when the calibration is not linear. Sample concentrations were determined from the plot labelled "DRO" by comparing the total area observed for component peaks eluting between the retention times of decane and octacosane to the corresponding concentration (amount) in µg/mL. This value is then corrected for extract volume, the volume or weight of sample extracted and the dilution factor (if any). The surrogate standard, n-pentacosane, elutes within the DRO window. Its area is subtracted from the total area observed.

3) Sample concentrations were calculated using the following formulas:

For Soils:

$$DRO\ (\mu g\ /Kg) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the weight of the sample extracted in kilograms.
DF = the dilution factor.

For Waters:

$$DRO\ (\mu g\ /L) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the volume of sample extracted in liters.
DF = the dilution factor.

4) None of the surrogate recoveries were corrected for percent moisture.

5) Percent moistures were not determined for soil blanks or soil LCS/LCSDs. No blank or LCS/LCSD data were corrected for percent moisture.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST266
GASOLINE RANGE ORGANICS DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST266
GASOLINE RANGE ORGANICS

1) Gasoline range organics analyses (GRO) were conducted by purging 5 mL of water or 5 grams of soil with an inert gas. The purged contaminants were trapped and thermally desorbed onto a 105 meter 502.2 chromatography column installed in a Varian 3700 gas chromatograph. The gas chromatograph was equipped with a flame ionization detector.

2) A 5-point calibration was performed for GRO using a sample of regular unleaded gasoline. For each level of calibration, the areas observed for the peaks were summed. The sum of the peaks eluting between the retention times of 2-methylpentane and 1,2,4-trimethylbenzene from each calibration level was plotted against the concentration (µg/mL). If the correlation coefficient (r) >0.995 or the determination coefficient (R^2) >0.990, the calibration is linear. Reasonable quadratic curves may be used when the calibration is not linear. Sample concentrations were determined from the plot labelled "GASOLINE" by comparing the total area observed for component peaks eluting between the retention times of 2-methylpentane and 1,2,4-trimethylbenzene to the corresponding concentration (amount) in µg/L or µg/Kg. The surrogate standard, a,a,a-trifluorotoluene, elutes within the GRO window. Its area is subtracted from the total area observed.

3) For samples analyzed on GC #8610, the surrogate used was bromofluorobenzene (BFB) at a concentration of 64.8 µg/kg.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST266
SEMIVOLATILES DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST266
SEMIVOLATILES

1) The samples in this package were analyzed by protocols to meet the requirements of the Air Force IRP/AFCEE as defined in "Handbook to Support the Installation Restoration Program (IRP) Statements of Work," May, 1991. These requirements are defined in the Sampling and Analysis Plan (SAP) as modified by any subsequent revisions.

2) The LCS/LCSD pair data were tabulated and reported as if they were MS/MSD. Each LCS/LCSD pair was given the name of the associated blank followed by either the MS (LCS) or MSD (LCSD) suffix. For example, water blank SBLKGZ is associated with SBLKGZMS (LCS) and SBLKGZMSD (LCSD).

3) Internal standard areas are reported for all sample analyses, but corrective action is required only if internal standard areas for a continuing calibration do not meet criteria as specified in the SW-846 methods.

4) No surrogate failures were noted.

5) The following compounds did not meet the 25% D established for continuing calibrations for the AFCEE protocol:

Instrument/Date and Time	Compound	%D
GCMSG / 7-14-94 / 0814	Hexachlorobutadiene	-26.8

Up to 4 non-CCC compounds may exceed the 25% D criteria, provided their RRFs are ≥0.010. This continuing calibration is valid.

6) Lot #LA41854 of LCS/LCSD spiking solution obtained from Supelco, Inc. included several target analytes which were prepared in the cocktail at a concentration other than 100 µg/mL. For those compounds whose concentrations were determined to be different than 100 ± 5 µg/mL, their concentrations were corrected and the corrected concentrations were used to determine LCS/LCSD and MS/MSD recoveries.

7) Percent moistures were not determined for soil blanks and LCS's. The percent moisture field on the form 1s for these samples were left blank.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST267
DIESEL RANGE ORGANICS DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST267
DIESEL RANGE ORGANICS

1) Diesel range organics (DRO) analyses were conducted by extracting 1 liter of water or 30 grams of soil with methylene chloride. The extracts were concentrated to 1 mL and analyzed by gas chromatography. A Hewlett-Packard 5890 gas chromatograph fitted with a 30 meter, 0.53 mm ID (megabore) RTX-5 capillary column and equipped with a flame ionization detector was used to complete the analyses.

2) A 5-point calibration was performed for DRO using a 10-component synthetic standard mix. For each level of calibration, the areas observed for the peaks were summed. The sum of the peaks from each calibration level was plotted against the concentration (µg/mL). If the correlation coefficient (r) >0.995 or the determination coefficient (R^2) >0.990, the calibration is linear. Reasonable quadratic curves may be used when the calibration is not linear. Sample concentrations were determined from the plot labelled "DRO" by comparing the total area observed for component peaks eluting between the retention times of decane and octacosane to the corresponding concentration (amount) in µg/mL. This value is then corrected for extract volume, the volume or weight of sample extracted and the dilution factor (if any). The surrogate standard, n-pentacosane, elutes within the DRO window. Its area is subtracted from the total area observed.

3) Sample concentrations were calculated using the following formulas:

For Soils:

$$DRO\ (\mu g\ /Kg) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the weight of the sample extracted in kilograms.
DF = the dilution factor.

For Waters:

$$DRO\ (\mu g\ /L) = \frac{A * B * DF,}{C}$$

Where:

A = the concentration read from the curve in µg/mL.
B = the final volume of the extract in mL.
C = the volume of sample extracted in liters.
DF = the dilution factor.

4) None of the surrogate recoveries were corrected for percent moisture.

5) Percent moistures were not determined for soil blanks or soil LCS/LCSDs. No blank or LCS/LCSD data were corrected for percent moisture.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST267
SEMIVOLATILES DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST267
SEMIVOLATILES

1) The samples in this package were analyzed by protocols to meet the requirements of the Air Force IRP/AFCEE as defined in "Handbook to Support the Installation Restoration Program (IRP) Statements of Work," May, 1991. These requirements are defined in the Sampling and Analysis Plan (SAP) as modified by any subsequent revisions.

2) The LCS/LCSD pair data were tabulated and reported as if they were MS/MSD. Each LCS/LCSD pair was given the name of the associated blank followed by either the MS (LCS) or MSD (LCSD) suffix. For example, soil blank SBLKGF is associated with SBLKGFMS (LCS) and SBLKGFMSD (LCSD).

3) Internal standard areas are reported for all sample analyses, but corrective action is required only if internal standard areas for a continuing calibration do not meet criteria as specified in the SW-846 methods.

4) The following surrogate failures were noted.

Sample #	Sample ID	Date/Time of Analysis	Instrument	Surrogate	% Recovery	Recovery Limits %
P277936	EB267062794	7-14-94 / 09:39	GCMSG	2-Fluorobiphenyl	93	28-92
SBLKGF	SBLKGF	7-16-94 / 08:25	GCMSG	Nitrobenzene-d_5 2-Fluorobiphenyl	94 94	54-85 50-86
SBLKGF MS	SBLKGFMS	7-16-94 / 09:06	GCMSG	Nitrobenzene-d_5 2-Fluorobiphenyl	95 99	54-85 50-86
SBLKGF MSD	SBLKGFMSD	7-16-94 / 09:47	GCMSG	Nitrobenzene-d_5 2-Fluorobiphenyl	92 94	54-85 50-86
P277804	267010408	7-16-94 / 13:54	GCMSG	Nitrobenzene-d_5 2-Fluorobiphenyl Terphenyl-d_{14}	94 100 117	54-85 50-86 32-112
P277804MS	267010408MS	7-16-94 / 14:35	GCMSG	Nitrobenzene-d_5 2-Fluorobiphenyl	94 102	54-85 50-86

Sample #	Sample ID	Date/Time of Analysis	Instrument	Surrogate	% Recovery	Recovery Limits %
P277804 MSD	267010408 MSD	7-16-94 / 15:17	GCMSG	Phenol-d_5 Nitrobenzene-d_5 2-Fluorobiphenyl	101 100 109	48-97 54-85 50-86
P277805	267010911	7-16-94 / 15:58	GCMSG	Nitrobenzene-d_5 2-Fluorobiphenyl Terphenyl-d_{14}	99 101 117	54-85 50-86 32-112
P277806	267020406	7-16-94 / 16:39	GCMSG	Nitrobenzene-d_5 2-Fluorobiphenyl	95 96	54-85 50-86
P277807	267020911	7-16-94 / 17:20	GCMSG	Nitrobenzene-d_5 2-Fluorobiphenyl	100 102	54-85 50-86

The high surrogate recoveries were probably due to improvements made in the analytical technique (more frequent column cutting and changing of injection port liners). The observed surrogate recovery failures should have no adverse effect on the data.

5) The following compounds did not meet the 20.5% RSD criteria established for initial calibrations for the AFCEE protocol.

Instrument/Date and Time	Compound	% RSD
GCMSG / 7-06-94 / 15:17	2,4-Dinitrophenol	24.8

No effect upon the results for this compound is expected. It was not detected in any samples other than LCS/LCSDs and MS/MSDs in this data package.

6) The following compounds did not meet the 25% D criteria established for continuing calibrations for the AFCEE protocol:

Instrument/Date and Time	Compound	%D
GCMSG / 7-14-94 / 08:14	Hexachlorobutadiene	-26.8
GCMSG / 7-18-94 / 15:26	Hexachlorobutadiene	-27.9

No effect upon the results for this compound is expected. It was not detected in any samples other than LCS/LCSDs and MS/MSDs in this data package.

7) Lot #LA41854 of LCS/LCSD spiking solution obtained from Supelco, Inc. included several target analytes which were prepared in the cocktail at a concentration other than 100 µg/mL. For those compounds whose concentrations were determined to be different than 100 ± 5 µg/mL, their concentrations were corrected and the corrected concentrations were used to determine LCS/LCSD and MS/MSD recoveries.

8) Percent moistures were not determined for soil blanks and LCS's. The percent moisture field on the form 1s for these samples were left blank.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST267
INORGANIC DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST267
INORGANIC

1) The samples in this data package were analyzed by protocols that are to meet the requirements of "Handbook to Support the Installation Restoration Program (IRP) Statements of Work", May 1991 and any project-specific requirements. The requirements for analysis and reporting are specified in the laboratory quality assurance plan for AFCEE as modified by the Sampling and Analysis Plan.

2) CLP reporting forms were used even though CLP protocols are not required for the analyses. Data qualifiers, as specified in the table immediately following the Cover Page, are used on the reporting forms according to CLP requirements; although these requirements may not be specific to AFCEE reporting procedures.

3) The "date received" that appears on Form 1s is actually the date of sample collection.

4) AFCEE protocol requires duplicate laboratory control standards (LCS/LCSD) as a means of obtaining precision and accuracy on each batch. Therefore, the following CLP reporting forms were used to report LCS/LCSD.

   - Form 6 (one each) for RPDs for MS/MSD and LCS/LCSD.
   - Form 7 (two) for recoveries for LCS/LCSD.

5) The NUS Laboratory has recently revised the ICP and graphite furnace standard operating procedures in which a detection limit standard is no longer analyzed as a sample in each analysis run. Consequently, this data is not available on Form 2 (part 2). Alternatively, an additional low level PQL standard is used in the calibration of each instrument. The PQL standard is a requirement of the latest version of the Air Force IRP Handbook (September 1993). As with the detection limit standard used previously, the PQL calibration standard must be discernible from the blank.

6) Times of analysis for instruments that do not provide this information (MAS50B) are estimated on Form 14 (Analytical Run Log).

7) Analyte field size restrictions resulted in Molybdenum being truncated to "Molybdenu" on the reporting forms.

8) Sample EB-267-062794 (NUS sample P277936) was inadvertently analyzed for mercury past the holding time of thirteen days.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST267
GASOLINE RANGE ORGANICS DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2B
SDG: ST267
GASOLINE RANGE ORGANICS

1) Gasoline range organics analyses (GRO) were conducted by purging 5 mL of water or 5 grams of soil with an inert gas. The purged contaminants were trapped and thermally desorbed onto a 105 meter 502.2 chromatography column installed in a Varian 3700 gas chromatograph. The gas chromatograph was equipped with a flame ionization detector.

2) A 5-point calibration was performed for GRO using a sample of regular unleaded gasoline. For each level of calibration, the areas observed for the peaks were summed. The sum of the peaks eluting between the retention times of 2-methylpentane and 1,2,4-trimethylbenzene from each calibration level was plotted against the concentration (µg/mL). If the correlation coefficient (r) >0.995 or the determination coefficient (R^2) >0.990, the calibration is linear. Reasonable quadratic curves may be used when the calibration is not linear. Sample concentrations were determined from the plot labelled "GASOLINE" by comparing the total area observed for component peaks eluting between the retention times of 2-methylpentane and 1,2,4-trimethylbenzene to the corresponding concentration (amount) in µg/L or µg/Kg. The surrogate standard, a,a,a-trifluorotoluene, elutes within the GRO window. Its area is subtracted from the total area observed.

3) None of the surrogate recovery calculations were corrected for percent moisture.

4) Percent moistures were not determined for soil blanks or soil LCS/LCSDs. No blank or LCS/LCSD data were corrected for percent moisture.

5) The surrogate used for those samples analyzed on the 8610 GC was bromofluorobenzene (BFB).

6) Due to software limitations the following sample identifications were truncated.

Current ID	NUS #	Truncated ID
EB267062794	P277936	267062794
EB267062794MS	P277936MS	267062794MS
EB267062794MSD	P277936MSD	267062794MSD

7) Equipment blanks were analyzed as soils with the permission of the NUS project manager.

I. OVERVIEW

On May 10, 1994 Enseco-Rocky Mountain Analytical Laboratory received 2 aqueous and 13 soil samples from NUS Laboratory.

This report presents the analytical results as well as supporting information to aid in the evaluation and interpretation of the data and is arranged in the following order:

I. Overview
II. Sample Description Information/Analytical Test Requests
III. Analytical Results
IV. Quality Control Report

GC/MS Volatiles

All samples in this project were associated with 035344-0011MS/SD. Samples 035344-0001, 0002, 0010, 0012, and 0013 were associated with the DCS 20MAY94-N. Samples 035344-0003 through 0009, 0011 0011MS, and 0011SD were assoicated with the DCS 19MAY94-N.

The analysis of samples 035344-0011MS/SD showed percent recoveries outside QC limits for acetone, carbon disulfide, 1,2-dichloropropane, styrene, 1,1,2-trichloroethane, and vinyl acetate. The above compounds were not detected above the reporting limit in any associated samples.

Standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. All laboratory QC samples analyzed in conjunction with the samples in this project were within established control limits.

GC Volatiles

All samples in this project were associated with 035344-0011MS/SD. Samples 035344-0001 and 0002 were associated with the DCS 17MAY94-6A. Samples 035344-0003 through 0013, 0011MS, and 0011SD were associated with the DCS 12MAY94-6K.

Standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. All laboratory QC samples analyzed in conjunction with the samples in this project were within established control limits.

I. OVERVIEW

On May 18, 1994 Enseco-Rocky Mountain Analytical Laboratory received 2 aqueous and 13 soil samples from NUS Laboratory.

This report presents the analytical results as well as supporting information to aid in the evaluation and interpretation of the data and is arranged in the following order:

I. Overview
II. Sample Description Information/Analytical Test Requests
III. Analytical Results
IV. Quality Control Report

GC/MS

All samples in this project were associated with samples 035517-0013MS/SD. Samples 035517-0001, 0002, 0013, 0013MS and 0013SD were associated with the DCS 25MAY94-N. Samples 035517-0003, 0006 and 0008 through 0012 were associated with the DCS 06JUN94-J. Samples 035517-0004, 0005 and 0007 were associated with the DCS 27MAY94-N. Samples 035517-0004RA, 0005RA, and 0007RA were associated with DCS 06JUN94-J.

The analysis of samples 035517-0013MS/SD showed percent recoveries for chloroethane, acetone, carbon disulfide, trans-1,3-dichloropropane, cis-1,2-dichloroethene and vinyl acetate outside QC limits. With the exception of acetone, above compounds were not detected above the reporting limit in any associated samples.

Acetone was detected above the reporting limit in samples 035517-0001, 0002, and 0013.

The DCS associated to samples 035517-0003, 0006 and 0008 through 0012 (DCS26MAY94-N) showed percent recoveries for acetone outside QC limits.

Acetone was detected above the reporting limit in samples 035517-0008, 0009 and 0012.

Samples 03317-0004, 0005 and 0007 were reanalyzed outside analytical holding times due to bromomethane being detected in both the associated method blank and samples. Reanalysis was performed and bromomethane was not detected in the samples or method blank, both sets of data were provided.

With the exceptions as mentioned above, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. All laboratory QC samples analyzed in conjunction with the samples in this project were within established control limits.

GC Volatiles

All samples in this project were associated with samples 035517-0013MS/SD. Samples 035517-0001 and 0002 were associated with the DCS 24MAY94-6K. Samples 035517-0003 through 0013, 0013MS and 0013SD were associated with the DCS 24MAY94-A.

Standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. All laboratory QC samples analyzed in conjunction with the samples in this project were within established control limits.

I. OVERVIEW

On May 20, 1994 Enseco-Rocky Mountain Analytical Laboratory received 3 aqueous and 11 soil samples from NUS Laboratory.

This report presents the analytical results as well as supporting information to aid in the evaluation and interpretation of the data and is arranged in the following order:

I. Overview
II. Sample Description Information/Analytical Test Requests
III. Analytical Results
IV. Quality Control Report

GC/MS

All samples in this project were associated with samples 035581-0010MS/SD. Samples 035581-0001, 0002, 0008, and 0012 were associated with the DCS 02JUN94-J. Samples 035581-0003, 0005 through 0007, 0009 through 0011, 0010MS and 0010SD were associated with the DCS 01Jun94-N.

The analysis of samples 035581-0010MS/SD showed percent recoveries for acetone and vinyl acetate outside QC limits. With the exception of acetone, above compounds were not detected above the reporting limit in any associated samples.

Acetone was detected above the reporting limit in samples 035581-0007 and 0009.

The DCS associated to samples 035581-0007 and 0009 (DCS01JUN94-N) showed percent recoveries for acetone outside QC limits.

With the exceptions as mentioned above, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. All laboratory QC samples analyzed in conjunction with the samples in this project were within established control limits.

GC Volatiles

All samples in this project were associated with samples 035581-0010MS/SD. All samples in project 035581 were associated with the DCS 26MAY94-A.

Standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. All laboratory QC samples analyzed in conjunction with the samples in this project were within established control limits.

I. OVERVIEW

On May 21, 1994 Enseco-Rocky Mountain Analytical Laboratory received 2 aqueous and 12 soil samples from NUS Laboratory.

This report presents the analytical results as well as supporting information to aid in the evaluation and interpretation of the data and is arranged in the following order:

I. Overview
II. Sample Description Information/Analytical Test Requests
III. Analytical Results
IV. Quality Control Report

GC/MS Volatiles

All samples in this project were associated with samples 035606-0010MS/SD. Samples 035606-0001 through 0010, 0010MS, and 0010SD were associated with the DCS 02JUN94-J. Samples 035606-0011 and 0012 were associated with the DCS 03JUN94-J.

The analysis of samples 035606-0001MS/SD showed percent recoveries for acetone, styrene, and vinyl acetate outside QC limits. The RPD for vinyl acetate was outside QC limits. The above compounds were not detected above the reporting limit in any associated samples.

The DCS associated with samples 035606-0001 through 0010, 0010MS and 0010SD (02JUN94-J) showed the percent recovery for acetone and styrene outside QC limits.

The DCS associated with samples 035606-0011 and 0012 (03JUN94-J) showed the percent recovery for acetone outside QC limits.

With the exceptions as mentioned above, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. All laboratory QC samples analyzed in conjunction with the samples in this project were within established control limits.

GC Volatiles

All samples in this project were associated with samples 035606-0010MS/SD. Samples 035606-0003 through 0012, 0010MS, and 0010SD were associated with the DCS 28MAY94-4A. Samples 035606-0001 and 0002 were associated with the DCS 28MAY94-1L.

Standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. All laboratory QC samples analyzed in conjunction with the samples in this project were within established control limits.

I. OVERVIEW

On May 26, 1994 Enseco-Rocky Mountain Analytical Laboratory received 2 aqueous and 16 soil samples from NUS Laboratory.

This report presents the analytical results as well as supporting information to aid in the evaluation and interpretation of the data and is arranged in the following order:

I. Overview
II. Sample Description Information/Analytical Test Requests
III. Analytical Results
IV. Quality Control Report

GC/MS Volatiles

All samples were associated with samples 035714-0005MS/SD. Samples 035714-0001 through 0004, and 0006 were associated with the DCS 06JUN94-J. Samples 035714-0005, 0005MS, 0005SD, and 0007 through 0016 were associated with the DCS 07JUN94-J.

The analysis of samples 035714-0008MS/SD showed percent recoveries for carbon disulfide, styrene, and vinyl acetate outside QC limits.

The percent recoveries for carbon disulfide and styrene were outside QC limits in the DCS's 06JUN94-J and 07JUN94-J. The above compounds were not detected above the reporting limit in any associated sample.

With the exceptions as mentioned above, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. All laboratory QC samples analyzed in conjunction with the samples in this project were within established control limits.

GC Volatiles

All samples were associated with samples 035714-0005MS/SD. Sample 035714-0002 was associated with the DCS 02JUN94-6K. Sample 035714-0003 was associated with the DCS 08JUN94-6K. Samples 035714-0004 through 0010 were associated with the DCS 03JUN94-6K. Samples 035714-0011 through 0016, 0005MS, and 0005SD were associated with the DCS 04JUN94-6K.

Standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. All laboratory QC samples analyzed in conjunction with the samples in this project were within established control limits.

I. OVERVIEW

On May 25, 1994 Enseco-Rocky Mountain Analytical Laboratory received 3 aqueous and 8 soil samples from NUS Laboratory.

This report presents the analytical results as well as supporting information to aid in the evaluation and interpretation of the data and is arranged in the following order:

I. Overview
II. Sample Description Information/Analytical Test Requests
III. Analytical Results
IV. Quality Control Report

GC/MS Volatiles

All samples were associated with samples 035698-0008MS/SD. Samples 035698-0001 through 0009, and 0008MS were associated with the DCS 06JUN94-J. Samples 035698-0008SD was associated with the DCS 07JUN94-J.

The analysis of samples 035698-0008MS/SD showed percent recoveries for acetone, chlorobenzene, 2-hexanone, styrene, and vinyl acetate outside QC limits, and the RPD's for styrene and xylenes (total) outside QC limits.

The percent recovery for styrene, and the RPD's for acetone and 2-hexanone were outside both aqueous and soil QC limits, and the percent recovery for xylenes (total) was outside aqueous QC limits, but within soil QC limits in the DCS 06JUN94-J. The RPD for 2-hexanone was outside QC limits in the DCS 07JUN94-J. The above compounds were not detected above the reporting limit in any associated sample.

With the exceptions as mentioned above, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. All laboratory QC samples analyzed in conjunction with the samples in this project were within established control limits.

GC Volatiles

All samples were associated with samples 035698-0008MS/SD. Sample 035698-0002 was associated with the DCS 02JUN94-6K. Samples 035698-0003 through 0008, 0008MS, and 0008SD were associated with the DCS 03JUN94-6K.

Standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. All laboratory QC samples analyzed in conjunction with the samples in this project were within established control limits.

I. OVERVIEW

On May 28, 1994 Enseco-Rocky Mountain Analytical Laboratory received 2 aqueous and 11 soil samples from NUS Laboratory.

This report presents the analytical results as well as supporting information to aid in the evaluation and interpretation of the data and is arranged in the following order:

I. Overview
II. Sample Description Information/Analytical Test Requests
III. Analytical Results
IV. Quality Control Report

GC/MS Volatiles

All samples were associated with samples 035763-0008MS/SD. Samples 035763-0001 through 0005 were associated with the DCS 07JUN94-N. Samples 035763-0006 through 0011, 0008MS, and 0008SD were associated with the DCS 08JUN94-N.

The analysis of samples 035763-0008MS/SD showed percent recoveries for acetone, carbon disulfide, chlorobenzene, and vinyl acetate outside QC limits, and the RPD's for methylene chloride and vinyl acetate outside QC limits.

Percent recoveries for acetone and chlorobenzene were outside both aqueous and soil QC limits, and the percent recovery for vinyl acetate was outside aqueous QC limits, but within soil QC limits in the DCS 07JUN94-N. Percent recoveries for acetone, carbon disulfide, and chlorobenzene, and the RPD for methylene chloride were outside QC limits in the DCS 08JUN94-N. With the exception of acetone and methylene chloride, the above compounds were not detected above the reporting limit in any associated sample.

With the exceptions as mentioned above, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. All laboratory QC samples analyzed in conjunction with the samples in this project were within established control limits.

GC Volatiles

All samples were associated with samples 035763-0008MS/SD. Sample 035763-0002 was associated with the DCS 02JUN94-6K. Samples 035763-0003 through 0006 and 0008 were associated with the DCS 08JUN94-6K. Samples 035763-0007, 0009 through 0011, 0008MS, and 0008SD were associated with the DCS 09JUN94-6K.

Standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. All laboratory QC samples analyzed in conjunction with the samples in this project were within established control limits.

I. OVERVIEW

On June 2, 1994 Enseco-Rocky Mountain Analytical Laboratory received 2 aqueous and 13 soil samples from NUS Laboratory.

This report presents the analytical results as well as supporting information to aid in the evaluation and interpretation of the data and is arranged in the following order:

I. Overview
II. Sample Description Information/Analytical Test Requests
III. Analytical Results
IV. Quality Control Report

GC/MS Volatiles

All samples were associated with samples 035849-0011MS/SD. Samples 035849-0001 through 0004 were associated with the DCS 08JUN94-J. Samples 035849-0005 through 0011, 0011SD, 0012, and 0013 were associated with the DCS 09JUN94-N. Sample 035849-0011MS was associated with the DCS 10JUN94-N.

The analysis of samples 035849-0011MS/SD showed percent recoveries for acetone, carbon disulfide, styrene, 1,1,2-trichloroethane, and vinyl acetate, and RPD's for bromomethane, tetrachloroethene, and total xylenes outside QC limits.

The analysis of the DCS 08JUN94-J showed percent recoveries for carbon disulfide and styrene outside soil QC limits, but within aqueous QC limits, and the percent recovery for vinyl acetate outside both soil and aqueous QC limits. The analysis of the DCS pairs 09JUN94-N and 10JUN94-N showed percent recoveries for carbon disulfide, styrene, and 1,1,2-trichloroethane outside QC limits. With the exception of acetone, the above compounds were not detected above the reporting limit in any associated samples.

With the exceptions as mentioned above, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. All laboratory QC samples analyzed in conjunction with the samples in this project were within established control limits.

GC Volatiles

All samples were associated with samples 035849-0011MS/SD. Sample 035849-0002 was associated with the DCS 15JUN94-B. Samples 035849-0003 through 0013, 0011MS, and 0011SD were associated with the DCS 10JUN94-N.

Standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. All laboratory QC samples analyzed in conjunction with the samples in this project were within established control limits.

I. OVERVIEW

On June 8, 1994 Enseco-Rocky Mountain Analytical Laboratory received 2 aqueous and 10 soil samples from NUS Laboratory.

This report presents the analytical results as well as supporting information to aid in the evaluation and interpretation of the data and is arranged in the following order:

I. Overview
II. Sample Description Information/Analytical Test Requests
III. Analytical Results
IV. Quality Control Report

GC/MS Volatiles

All samples were analyzed for volatile organics by method 8240 at Enseco-CRL. All samples were associated with samples 036300-0007MS/SD. Samples 036300-0001 and 0002 were associated with the LCS 18JUN94-AFX. Samples 036300-0003 through 0008, 0007MS, and 0007SD were associated with the LCS 18JUN94-AX.

Standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. All laboratory QC samples analyzed in conjunction with the samples in this project were within Enseco-CRL established control limits.

GC Volatiles

All samples were associated with samples 036300-0008MS/SD. Samples 036300-0002 through 0008, 0008MS, 0008SD were associated with the DCS 17JUN94-4L.

Standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. All laboratory QC samples analyzed in conjunction with the samples in this project were within established control limits.

I. OVERVIEW

On June 25 and 29, 1994 Enseco-Rocky Mountain Analytical Laboratory received 2 aqueous and 11 soil samples from NUS Laboratory.

This report presents the analytical results as well as supporting information to aid in the evaluation and interpretation of the data and is arranged in the following order:

I. Overview
II. Sample Description Information/Analytical Test Requests
III. Analytical Results
IV. Quality Control Report

GC/MS Volatiles

All samples were associated with samples 036487-0008MS/SD. Samples 036487-0001 through 0007, and 0009 through 0011 were associated with the DCS 07JUL94-J. Samples 036487-0008, 0008MS, and 0008SD were associated with the DCS 08JUL94-J.

The analysis of samples 036487-0008MS/SD showed percent recoveries for acetone, 2-butanone, carbon disulfide, 2-chloroethyl vinyl ether, 2-hexanone, styrene, and vinyl acetate outside QC limits.

The analysis of the DCS 07JUL94-J showed percent recoveries for acetone, 2-butanone, carbon disulfide, 2-chloroethyl vinyl ether, 2-hexanone, and styrene outside both aqueous and soil QC limits.

The analysis of the DCS 08JUL94-J showed percent recoveries for acetone, 2-butanone, carbon disulfide, 2-chloroethyl vinyl ether, 2-hexanone, and styrene outside QC limits.

With the exception of acetone, the above compounds were not detected above the reporting limit in any associated samples.

With the exceptions as mentioned above, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. All laboratory QC samples analyzed in conjunction with the samples in this project were within established control limits.

I. OVERVIEW

On June 28, 1994 Enseco-Rocky Mountain Analytical Laboratory received 2 aqueous and 6 soil samples from NUS Laboratory.

This report presents the analytical results as well as supporting information to aid in the evaluation and interpretation of the data and is arranged in the following order:

I. Overview
II. Sample Description Information/Analytical Test Requests
III. Analytical Results
IV. Quality Control Report

GC/MS Volatiles

The analysis of sample 036519-0006 was originally performed within holding times; however, low level hits were detected for many target compounds. This was traced to carry-over from a previous analysis. The sample was reanalyzed; however, the reanalysis was performed outside holding times. Both sets of data have been reported.

All samples were associated with samples 036519-0006MS/SD. Samples 036519-0001 through 0005 were associated with the DCS 08JUL94-J. Samples 036519-0006, 0006MS, and 0006SD were associated with the DCS 08JUL94-H. Sample 036519-0006RA was associated with the DCS 02AUG94-J.

The analysis of samples 036519-0006MS/SD showed percent recoveries for acetone, bromomethane, carbon disulfide, chloroethane, chloromethane, vinyl acetate, and vinyl chloride outside soil QC limits.

The analysis of the DCS 08JUL94-J showed percent recoveries for acetone and carbon disulfide outside aqueous and soil QC limits.

The analysis of the DCS 08JUL94-H showed percent recoveries for bromomethane, carbon disulfide, chloroethane, chloromethane, and vinyl chloride outside soil QC limits.

The analysis of the DCS 02AUG94-J showed the percent recovery for carbon disulfide outside soil QC limits.

With the exceptions as mentioned above, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. All laboratory QC samples analyzed in conjunction with the samples in this project were within established control limits.

I. OVERVIEW

On July 7, 1994 Enseco-Rocky Mountain Analytical Laboratory received 4 aqueous and 5 soil samples from NUS Laboratory.

This report presents the analytical results as well as supporting information to aid in the evaluation and interpretation of the data and is arranged in the following order:

I. Overview
II. Sample Description Information/Analytical Test Requests
III. Analytical Results
IV. Quality Control Report

GC/MS Volatiles

The analyses for samples 036669-0008 and 0009 were cancelled per client request on July 8, 1994.

All samples were associated with samples 036609-0004MS/SD. Samples 036669-0001 and 0002 were associated with the DCS 13JUL94-J. Samples 036669-0003 through 0007, and 036609-0004MS/SD were associated with the DCS 14JUL94-J.

The analysis of samples 036609-0004MS/SD showed percent recoveries for acetone, carbon disulfide, 4-methyl-2-pentanone, 1,1,2,2,-tetrachloroethane, and vinyl acetate outside QC limits.

The analysis of the DCS 13JUL94-J showed percent recoveries for 1,1,2,2-tetrachloroethane and vinyl acetate outside aqueous QC limits.

The analysis of the DCS 14JUL94-J showed percent recoveries for acetone, carbon disulfide, and vinyl acetate outside soil QC limits.

With the exception of acetone, the above compounds were not detected above the reporting limit in any associated sample.

With the exceptions as mentioned above, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. All laboratory QC samples analyzed in conjunction with the samples in this project were within established control limits.

CASE. 35344
(ST252/253)

The VOA LCS/LCSD analyzed by RMAL on 5/19/94 did not meet the US criteria of 75% compliance with recovery and RPD limits. 86% of the recoveries were within the RMAL control limits, but only 74% of the RPDs met their limits.

CASE 30698
(ST 224/240)

The initial GRD calibration performed on instrument k by RMAL on 3/16/94 at 29 indicates that a 50ppb standard was acquired. However, that standard actually = 5 ppb.

CASE: 35763
(ST238/240)

The blank analyzed on 6/7/94 by RMAL was used for both waters and soils. It appears all water samples were analyzed by means of a closed purge.

CASE: 35714
(ST244/245)

1) For GRO analysis performed on sample 35714-05 on instrument K on 3/6/94 at 2116, the following surrogate failure was detected:

Surrogate	% Recovery	RMAL Limit, %	NUS Limit, %
TFT	73.5	75-125	50-150

The surrogate recovery meets NUS criteria. No GRO were detected above the reporting limit in the sample.

(ST267)

In sample 36519-06, chlorobenzene is real although it is marked at val.

Appendix L

Quality Assurance and Quality Control for Production of Documents

	BROWN & ROOT, INC. AND ASSOCIATED COMPANIES	GROUP POLICY
	Subject: **QUALITY**	Date: **May 19, 1988** Number: **01-16**

PURPOSE

The purpose of this policy is to define quality, to establish a high level of priority and importance for quality management, and to set the acceptable performance standard for each individual and operating unit.

POLICY

It is the policy of Brown & Root, Inc. and Associated Companies to perform our jobs and deliver services in an excellent manner. This requires that we anticipate, clearly understand, and meet the requirements agreed upon with our clients. Our responsibility is to manage quality, safety, and productivity with the best interests of our clients, employees, and the public in mind.

Our commitment to quality starts with top management and requires the involvement of all employees. Each individual and operating unit must abide by performance standards that demand continuous improvement so that our services are known for their quality and our company for its leadership in the industry.

Approved: Operating Committee
April 6, 1983

Revised: May 3, 1988

INTERNAL CORRESPONDENCE

TO: 2B & 2D RFI REPORT AUTHORS **DATE:** 9 AUGUST 1994

FROM: ROSS A. DIMMICK **COPIES:** FILE 2A56
FILE 2A96

SUBJECT: REPORT REVIEW GUIDELINES

This memo describes the review procedure that will be used for the Stage 2B & 2D RFI reports. A formal procedure is necessary to define the responsibilities of each reviewer, ensuring a report of consistently high-quality.

Every section (or, when appropriate, subsection) will undergo two reviews. The first is a thorough technical review consisting of the following:

1. ***Compare information with its source to the extent practicable***. Look at referenced material to verify agreement and compare numbers in text and tables with those appearing in logbooks, laboratory printouts, or other reliable source. Initial these references in the text as they are checked.

2. ***Check calculations***. Review all totals, averages, and counts (e.g., five samples were collected...). Initial these as they are checked.

3. ***Check agreement between text, tables, and figures***. Ensure that information in the text is consistent with tables and figures.

4. ***Conduct editorial review***. Review grammar, punctuation, spelling, and make sure that ideas are presented clearly and in a logical order.

5. ***Look for omissions***. Make sure the section contains all information needed to support conclusions stated in the text.

After the first review, corrections will be made by the primary section author. A second review will consist of the above tasks except for the first two (although the second reviewer should note that calculations and references have been initialed). In addition, the second reviewer must perform the following:

- *Check consistency with other sections*. Ensure that the general writing style, topics covered, and conclusions drawn are consistent with other sections of the report. Ensure also that the document formatting is consistent with the rest of the report.

- *Compare section with Scope of Work*. Make sure that the document conforms to what is stated in the SOW.

To document this review process, Section I of the attached form should be filled out by the section's primary author and the form should be clipped to the front of the document prior to the first review. Marked-up review copies (with reviewers initials and date of review at the top of the first page) should be clipped behind this form and be retained throughout the review process.

Please let me know is you have any questions or suggestions regarding the review process or form.

HALLIBURTON NUS
Environmental Corporation

DOCUMENTATION OF REVIEW

I. Description

Report Title: Kirtland AFB RFI Report, Stage 2B, Section _____

Project Name: Kirtland AFB RFI, Stage 2B _____

Job No.: 2A56 _____ Rev. No.: 0

Author: _____

II. Review Assignment

		Name (print)	Date needed by
Assigned Reviewers:	1st Review	_____	_____
	2nd Review	_____	_____
	Additional	_____	_____
	Additional	_____	_____

III. Review Documentation

Review Complete (Reviewer Initial/Date)	Results		Comments Reviewed & Resolved (Author Initial/Date)	Resolution Approved (Reviewer Initial/Date)
1st	❑ Accept as is	❑ Resolution of Comments Required		
2nd	❑ Accept as is	❑ Resolution of Comments Required		
Add.	❑ Accept as is	❑ Resolution of Comments Required		
Add.	❑ Accept as is	❑ Resolution of Comments Required		

IV. Approval

Signatures

Task Manager: _____ Date: _____

Project Manager: _____ Date: _____

Kirtland Air Force Base
Albuquerque, New Mexico

RCRA Facility Investigation (RFI)
Stage 2D-1

FINAL DRAFT - December 8, 1994

377 ABW/EMR
2000 Wyoming Blvd SE
Kirtland AFB, New Mexico 87117-5659

INSTALLATION RESTORATION PROGRAM
STAGE 2D-1

FINAL DRAFT
RCRA FACILITY INVESTIGATION (RFI) REPORT

KIRTLAND AIR FORCE BASE
ALBUQUERQUE, NEW MEXICO

DECEMBER 1994

PREPARED FOR
HQ AFCEE/ESR
ENVIRONMENTAL SERVICES DIRECTORATE
BROOKS AFB, TX 78235-5328

DSN: 240-4482 **COMM: (210) 536-4482**

USAF CONTRACT NO. F33615-90-D-4011 **DELIVERY ORDER NO. 0022**

PREPARED BY
HALLIBURTON NUS CORPORATION
ALBUQUERQUE, NEW MEXICO 87106

NOTICE

This report has been prepared for the United States Air Force by Halliburton NUS Corporation for the purpose of aiding in the implementation of a final remedial action plan under the Air Force Installation Restoration Program (IRP). As the report relates to actual or possible releases of potentially hazardous substances, its release prior to an Air Force final decision on remedial action may be in the public's interest. The limited objectives of this report and the ongoing nature of the IRP, along with the evolving knowledge of site conditions and chemical effects on the environment and health, must be considered when evaluating this report, since subsequent facts may become known which may make this report premature or inaccurate.

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REPORT DOCUMENTATION PAGE			Form Approved OMB No. 0704-0188
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PREFACE

This RCRA Facility Investigation (RFI) Report summarizes the RFI conducted during 1994 at two sites listed within Appendix IV of the RCRA Part B Permit for Kirtland AFB. One site, RB-11, is a solid waste management unit (SWMU #6-30). The other site, RB-07, is one of the six sites listed as an Area of Concern (AOC 6A). This report was prepared to address the requirement of the USAF Statement of Work, dated March 7, 1994 and also the requirements for an RFI Report as specified in the RCRA Part B Permit for Kirtland AFB. This report was prepared by Halliburton NUS Corporation from July through October 1994. Mr. Bassim D. Shebaro of the Air Force Center for Environmental Excellence (AFCEE) was the Restoration Team Chief and Mr. Rodney C. Arnold served as the Contracting Officer's Representative (COR).

Roger A. Clark, Ph.D.
Halliburton NUS Corporation
Project Manager

Anthony Klimek, P.E.
Halliburton NUS Corporation
Program Manager

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ACRONYMS AND ABBREVIATIONS
STAGE 2D-1

ABW	Air Base Wing
AFB	Air Force Base
AFCEE	US Air Force Center for Environmental Excellence
AFMC	Air Force Materiel Command
AFWL	Air Force Weapons Laboratory
AMC	Air Mobility Command
amsl	above mean sea level
ANOVA	Analysis of Variance
AOC	Area of Concern
ASTM	American Society of Testing Materials
bgs	below ground surface
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CES	Civil Engineering Squadron
CMI	Corrective Measures Implementation
CMS	Corrective Measures Study
COV	coefficient of variation
CSF	Cancer Slope Factor
CTW	Crew Training Wing
DoD	US Department of Defense
DOE	US Department of Energy
DOT	US Department of Transportation
DQO	data quality objective
DRO	diesel range organics
FID	flame ionization detector
FS	Feasibility Study
FSP	Field Sampling Plan
FTL	Field Team Leader
GM	silty gravel
GP	sandy gravel
GPR	ground-penetrating radar
GRO	gasoline range organics
GW	gravel
HCl	hydrochloric acid
HEA	Health and Environmental Assessment
HHRB	Human Health Risk-Based
HR1	Hydrogeologic Region I
HR2	Hydrogeologic Region II
HR3	Hydrogeologic Region III
HSA	hollow-stem auger
ICP	inductively coupled plasma
ICS	interference check sample
in	inches
IRP	Installation Restoration Program
ITRI	Inhalation Toxicology Research Institute
KAFB	Kirtland Air Force Base

ACRONYMS AND ABBREVIATIONS
STAGE 2D-1
(cont)

L_C	Level of Concern
LCS	Laboratory Control Sample
LIMS	laboratory information management system
LLD	Limit of Detection
LOAEL	lowest-observed-adverse-effect-level
mi	mile
MS/MSD	matrix spike/matrix spike duplicate
NaI	sodium iodide
NFA	No Further Action
NFRAP	No Further Response Action Planned
NIST	National Institute of Standards and Technology
NMED	New Mexico Environment Department
NOAEL, NOEL	No-observed-(adverse)-effect-level
PAH	polynuclear aromatic hydrocarbon
PCB	polychlorinated biphenyls
PCE	tetrachloroethylene
PID	photoionization detector(cont)
PR	preliminary review
PVC	polyvinyl chloride
QA	quality assurance
QAP	Quality Assurance Plan
QAPjP	Quality Assurance Project Plan
QC	quality control
RCRA	Resource Conservation and Recovery Act
RfD	Standard Reference Dose
RFI	RCRA Facility Investigation
RI	Remedial Investigation
SAIC	Science Applications International Corporation
SAP	Sampling and Analysis Plan
SARA	Superfund Amendments and Reauthorization Act
SM	silty sand
SM/SW	silty gravelly sand
SNL	Sandia National Laboratories
SOP	standard operating procedure
SP	sand
SVOC	semi-volatile organic compound
SW	gravelly sand
SWMU	Solid Waste Management Unit
TPH	total petroleum hydrocarbon
UCL	upper confidence limit
UNM	University of New Mexico
USACE	United States Army Corps of Engineers
USAEC	United States Atomic Energy Commission
USAF	United States Air Force
USEPA	United States Environmental Protection Agency

USFS	United States Forest Service
USGS	United States Geological Survey
UST	underground storage tank
UTL	Upper Tolerance Limit
VOC	volatile organic compound
VSI	visual site inspection
WSA	Weapons Storage Area

Executive Summary

EXECUTIVE SUMMARY

The Resource Conservation and Recovery Act (RCRA) Facility Investigation (RFI) at Kirtland Air Force Base (AFB) was performed to fulfill requirements of Kirtland AFB's RCRA Part B Permit. Kirtland AFB is located in Central New Mexico, southeast of and adjacent to the City of Albuquerque and next to the Albuquerque International Airport. The Base, which covers 52,287 +/- acres, is presently the home base of the 377th Air Base Wing of the Air Force Materiel Command.

This RFI Report presents the results of the Stage 2D-1 investigation. This investigation was performed in support of the US Air Force Installation Restoration Program (IRP), a program developed by the US Department of Defense (DoD) to identify and evaluate past hazardous storage and disposal sites on DoD property, and to mitigate the potential adverse effects to human health and the environment caused by these sites. This investigation was performed after a RCRA Facility Assessment and previous IRP environmental investigations identified various sites where contaminants may have been released to the environment. The principal objectives of this investigation were to (1) confirm the presence or absence of contaminants at the sites evaluated, and (2) determine the nature and extent of contamination, if present, and (3) evaluate any actual and/or potential risk to public health and the environment.

Kirtland AFB's RFI sites were prioritized based upon their potential for a release and impact to the environment. Those sites having similar hazard potential were grouped together in appendices in Kirtland AFB's RCRA Part B Permit. Originally, three appendices (Appendices I, II, and III) were identified, with each planned for separate investigations (Stage 2A, Stage 2B, and Stage 2C, respectively). Appendix IV, and the corresponding stage of investigation Stage 2D, was created when all sites where radiological activities took place were realigned into a single appendix. The 2D sites were further divided into two sub-stages, 2D-1 and 2D-2. The Stage 2D-1 investigation included two sites, radioactive burial trenches RB-11 and RB-07, whose proposed investigations had been approved in earlier work plans. The forthcoming Stage 2D-2 investigation will address five subsurface holding tanks.

Site RB-11 is a 4.5-acre ± area consisting of a series of burial trenches that were formerly used for the disposal of irradiated animal carcasses. The trenches were covered with soil after completion of the disposal operation. The site is located adjacent to the riding stables in the central portion of Kirtland AFB. This site is identified as RW-06 on the IRP list for Kirtland AFB.

RB-07 is a 50-ft-wide and 210-ft-long fenced area that was formerly used for the disposal of low-level radioactive wastes. The wastes were excavated and removed to an off-site location in the 1960s; two excavations with two adjacent soil mounds are currently visible at the site. The site is located at the northeast section of the former Manzano Weapons Storage Area, which is situated in the central portion of Kirtland AFB. Access to the former Manzano Weapons Storage Area is restricted. This site is identified as RW-21 on the IRP list for Kirtland AFB.

RFI activities during Stage 2D-1 were conducted in two main field events between June 13 and July 21, 1994. Geophysical surveys were conducted at RB-11 to identify trench locations and to aid in the placement of subsurface sample locations between the trenches. Surface and subsurface sampling at RB-11 and RB-07 followed. The soil samples at RB-11 were analyzed for gross alpha, gross beta, radium 226, radium 228, volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), cyanide, metals (including mercury), and petroleum hydrocarbons; soil samples at RB-07 were analyzed for gross alpha, gross beta, gamma spectrometry, tritium, lead, cadmium, and VOCs.

The investigation at RB-11, discussed in detail in Section 4.0 of this report, resulted in the following conclusions:

- Ground-penetrating radar and electromagnetic surveys, combined with information from the aerial photographs and visual surface features, indicated that nine trenches are present at Site RB-11.

- The extent of contamination migration was defined during this study. However, the nature of the source was not evaluated because intrusive sampling within the trenches was specifically avoided. Based on historical records, the source material is composed of animal carcasses, a few of which were injected with cesium-137 and strontium-90.

- Seven VOCs and eight SVOCs were detected in subsurface soil samples collected adjacent to the trenches, all at concentrations below Human Health Risk-Based (HHRB) action levels. The very low concentrations indicate that minimal to no migration of organic contaminants from the trenches has taken place.

- Mercury was detected in trace concentrations in subsurface soil samples from borings in the vicinity of three trenches. These detections may indicate the presence of a mercury release, although its source is uncertain. An unverified report suggested that a 55-gallon drum of mercury may have been disposed of at RB-11. Some metals (total chromium, copper, manganese, and beryllium) were

detected in soil samples taken adjacent to landfill trenches, but not in a pattern clearly indicative of migration. These concentrations are thought to be background levels, based on 12 background samples.

- Radiation levels at the surface of the trenches do not exceed background. A statistical evaluation of groups of subsurface soil samples by trench revealed that readings averaged slightly above background adjacent to one trench (Trench 4). However, the existing analytical data are insufficient to verify whether the average is indicative of radiological migration. A larger background sample set and additional characterization samples analyzed for the specific radioisotopes of concern would be necessary to confirm the presence of a release.

- A preliminary risk assessment was performed on the source material using concentrations based on the historical records of total radioactive materials disposed. A reasonable worst case exposure scenario, assuming all radioactivity was concentrated within a small volume to simulate the carcasses of a few dozen dogs (approximately 2.8 m^3), led to lifetime incremental cancer risks ranging between 1.0E-05 for a construction worker and 4.1E-03 for a resident child under the defined exposure scenarios. Reasonable best case exposure scenarios were calculated assuming the radioactivity was uniformly distributed over a single trench (54.4 m^3), leading to risks ranging from 4.89E-11 for the construction worker to 2.00E-08 for the resident child.

Based on the findings of the RFI at RB-11, the following recommendations are proposed:

- Additional limited soil sampling and analysis of specific radionuclides is recommended to determine if the suspected source radioisotopes (e.g., strontium-90 and cesium-137) are responsible for any of the gross alpha and gross beta activity measured. These subsurface soil samples should be located in areas of higher permeability (and therefore likely pathways for any contaminant migration) based on existing stratigraphic information, and should include the areas around Trench 4 and the area of boring RB-11-27 adjacent to the north side of Trench 7.

- A Corrective Measures Study (CMS) should be performed for this site due to the types of waste present and uncertainties in waste quantities. The preliminary risk assessment indicates that reasonable worst case assumptions result in computed risks that may necessitate remediation of the site. A CMS may show that risks posed by the waste are small enough to justify the "no action" alternative with possible institutional controls.

- The CMS should consider an option involving long-term periodic monitoring to detect mercury vapor

or radionuclides in the horizontal well under the site completed in 1993 by SNL. In this option, remediation and the attendant risks would be undertaken only on positive indication of migration. The site would be managed by institutional control of access and land use. The risk of a sudden onset release of mercury into soils beneath the trenches should be considered in the CMS, since there are unconfirmed reports of the possibility that a drum containing liquid mercury went into one of the trenches, and trace mercury has been detected in some subsurface soil samples.

- As an interim action, Kirtland AFB should post warning signs and erect a permanent chain link fence that will preclude surface intrusion, which is the only potential route of exposure. The site is currently enclosed with a temporary plastic fence. Additional margins of safety could be achieved by placing further soil cover over the landfill area, with particular attention to filling any subsidence features over the trenches.

Results of the investigation at RB-07, discussed in detail in Section 5.0 of this report, indicate that the buried material was successfully excavated and removed years ago, and no residual contamination is present. No potential exposure hazards remain from the former radioactive waste disposal area.

Based on the findings of the RFI at RB-07, the following recommendations are proposed:

- Site characterization is complete and a No Further Action proposal should be prepared.

- It is recommended that the excavated pits be backfilled to eliminate the physical hazard associated with open excavations.

1.0 Introduction

This Resource Conservation and Recovery Act (RCRA) Facility Investigation (RFI) Report has been prepared for Kirtland AFB as part of the United States Air Force (USAF) Installation Restoration Program (IRP) under Contract Number F33615-90-D-4011, Delivery Order 0022. This RFI Report addresses two radioactive material burial sites, one listed as a Solid Waste Management Unit (SWMU), and one listed as an AOC within Appendix IV of the RCRA Part B Permit for Kirtland AFB. This report summarizes the RFI conducted during 1994 at Radioactive Burial Site 7 and Radioactive Burial Site 11, hereafter designated as RB-07 and RB-11, respectively. This RFI Report was prepared to meet the requirements of the USAF Statement of Work, dated March 7, 1994.

The purpose of this RFI was to obtain necessary data to characterize the extent of releases of hazardous waste or hazardous waste constituents at the two sites. Additionally, data may be used to identify and select appropriate corrective measures or to justify No Further Action (NFA).

The Kirtland AFB RCRA Part B Permit originally required submission of three separate RFI work plans. Separate work plans have been developed for Appendix I and II sites as identified in the permit. A third set of two work plans addresses the SWMUs contained in Appendix III of the permit. After petitioning by Kirtland AFB, the United States Environmental Protection Agency (USEPA) approved the development of a fourth set of sites, hereafter identified as the Appendix IV sites. The Appendix IV sites, which consist of seven sites associated with former radiological activities at the Base include: two radiological burial sites (RB-11 and RB-07) and five underground emergency holding tanks that Kirtland AFB will investigate in a separate RFI.

The investigation of the Appendix I, Appendix II, and Appendix III sites are referred to as Stages 2A, 2B, and 2C, respectively. The investigative approach and procedures to be utilized at RB-11 were previously included in the Stage 2B Work Plan, which was approved by the USEPA by letter of June 8, 1993. The investigative approach and procedures to be utilized at RB-07, previously included in the Stage 2C Work Plan, were approved by the USEPA by letter of April 7, 1994. The investigation for these two sites is referred to as Stage 2D-1. The Stage 2D-1 investigation utilized the applicable portions of the Stage 2B and Stage 2C Work Plans. A draft of the RFI Report for Stage 2D-1 is due to USEPA Region VI by December 8, 1994. The investigation of the five underground emergency holding tanks is referred to as Stage 2D-2 and is presented in a separate work plan. A draft of the RFI Report for Stage 2D-2 is due to USEPA Region VI by February 11, 1996, 18 months after the Stage 2D-2 Work Plan was approved.

1.1 USAF Installation Restoration Program

The USAF IRP is intended to identify, confirm/quantify, and remedy problems caused by past management of hazardous wastes at USAF facilities. It is the basis for assessment and response actions at USAF installations under the provision of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA). The USAF IRP was originally developed as a four-phased program:

- ***Phase I***. Installation Assessment
- ***Phase II***. Confirmation/Quantification
- ***Phase III***. Technology Base Development
- ***Phase IV***. Remedial Action Plan/Operations

After passage of the Superfund Amendments and Reauthorization Act (SARA) in October 1986, the USAF altered the IRP so that it paralleled the USEPA CERCLA Remedial Investigation/Feasibility Study (RI/FS) process. Phase II and IV efforts were combined into one RI/FS stage. Prior to this investigation, most Kirtland IRP sites had been identified and investigated through the CERCLA RI/FS process. Some of the IRP sites were found to require NFA and formal documentation was prepared. The work was performed in accordance with CERCLA under the IRP. Initial guidance for the four-phased IRP was published in January 1982. The IRP Handbook was revised in 1989 to reflect SARA.

IRP investigations at Kirtland AFB began with the Phase I - Records Search Report (Engineering Science Inc., 1981). This report consisted of a search of pertinent installation records, a literature search of published and unpublished reports, discussions with key installation personnel (both active and retired), an examination of topographic and geologic maps, an examination of aerial photographs, site visits, and an assessment of the hazard potential for each identified waste disposal site. Phase I identified 21 disposal sites on Kirtland AFB as potential contamination sources; these sites were prioritized for a Phase II evaluation. Phase II, Stage 1 consisted of acquisition and analysis of preliminary site-specific environmental data to identify the environmental status of seven sites and propose remedial actions where applicable (Science Applications International Corporation [SAIC], 1985). Ten sites were studied by the United States Geological Survey (USGS), New Mexico Environment Department (NMED). These sites were selected because of the potential contaminants stored, discharged, or used at the sites.

In April 1988, Kearney/Centaur, under contract with the USEPA, Region 6, performed a Preliminary Review/Visual Site Inspection (PR/VSI) under RCRA as part of the process for approving the RCRA Hazardous Waste Management Part B Permit application for Kirtland AFB (Kearney/Centaur, 1988). Appendices I, II, and III of the RCRA Corrective Action Compliance Schedule identified numerous SWMUs requiring further investigation and characterization. After the PR/VSI, the Kirtland AFB IRP began site characterization studies using RCRA guidance. Kirtland AFB began addressing the SWMUs generally identified in the USEPA Appendix I, II, and III site list.

This investigation was performed under the guidance of the *Handbook to Support the Installation Restoration Program (IRP) Statements of Work*, May 1991 (1991 IRP Handbook). Although the September 1993 edition of the IRP Handbook had been published at the time that field activities commenced for Stage 2D-1, the 1991 IRP Handbook was used for the Stage 2D-1 investigation since the approved investigative work plan for RB-11 was prepared using the 1991 IRP Handbook. Although the RB-07 Work Plan was prepared using the 1993 IRP Handbook guidance, the investigation at RB-07 was also performed using guidance from the 1991 IRP Handbook to maintain consistency among the two 2D-1 sites.

Although CERCLA guidelines are generally the basis for activities conducted under the IRP, this project is being performed under the authority of RCRA in accordance with the Kirtland AFB RCRA Part B Permit. The field, analytical, and reporting procedures were performed in accordance with the 1991 IRP Handbook and in compliance with USEPA and NMED requirements for RFIs as contained in the approved work plans for Stages 2B and 2C.

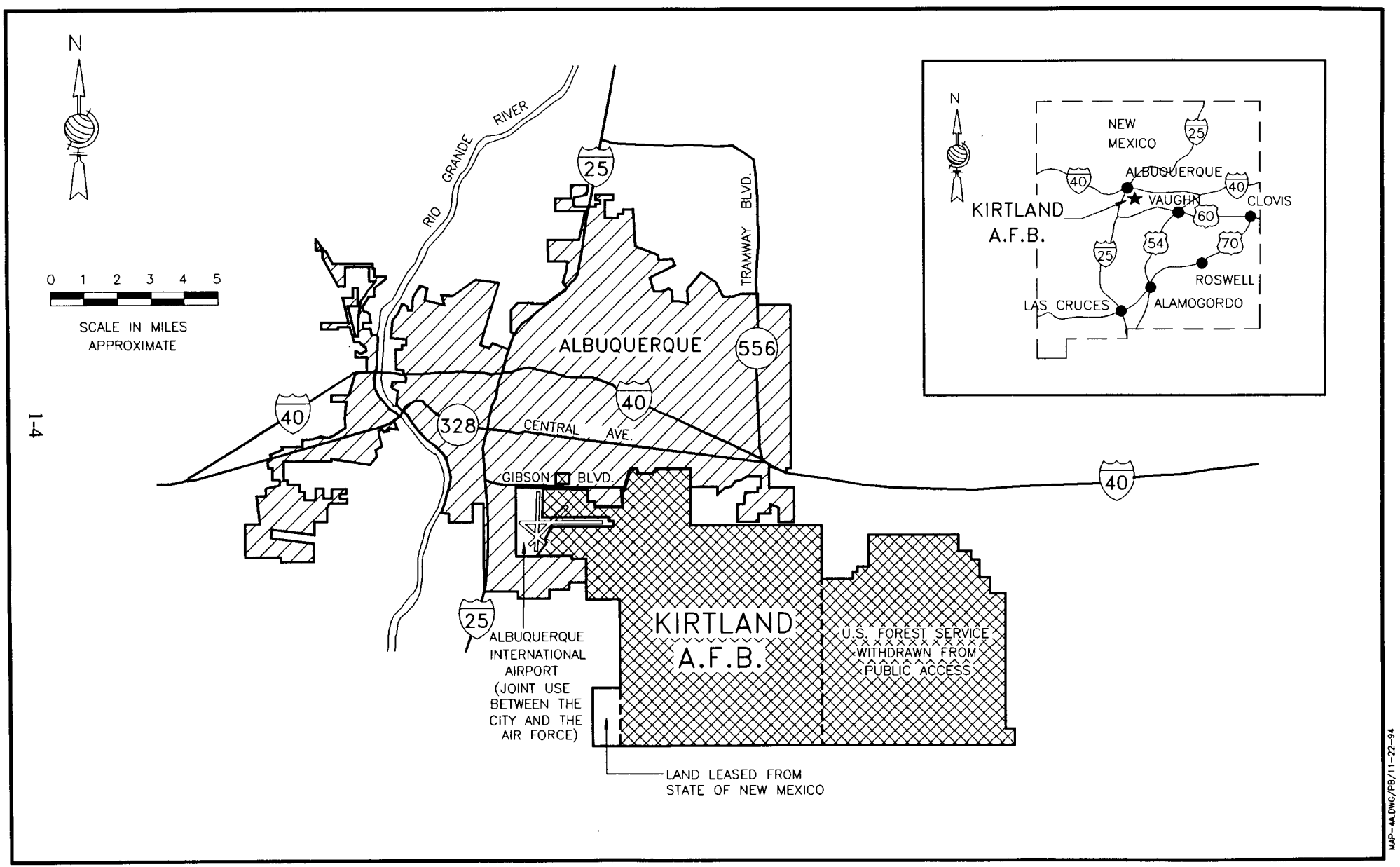
1.2 Installation Description

1.2.1 Base Location

Kirtland AFB is located in central New Mexico, southeast of and adjacent to the City of Albuquerque and next to the Albuquerque International Airport (Figure 1-1). The Base is within Bernalillo County at an approximate latitude of 36°46'00" N and longitude of 108°21'15" W. The total area of the Base is 52,287 ± acres. A general site plan for the Base is presented in Figure 1-2.

1.2.2 Base History

Prior to 1928, the area where Kirtland AFB is now situated was rangeland. Construction of Albuquerque's first municipal airport, Oxnard Field, occurred between 1928 and 1930 at this area. The airfield was expanded in the mid 1930s to provide Army and Navy pilots with a transient refueling/maintenance stop. In the late 1930s to early 1940s, Oxnard Field was used as a transient



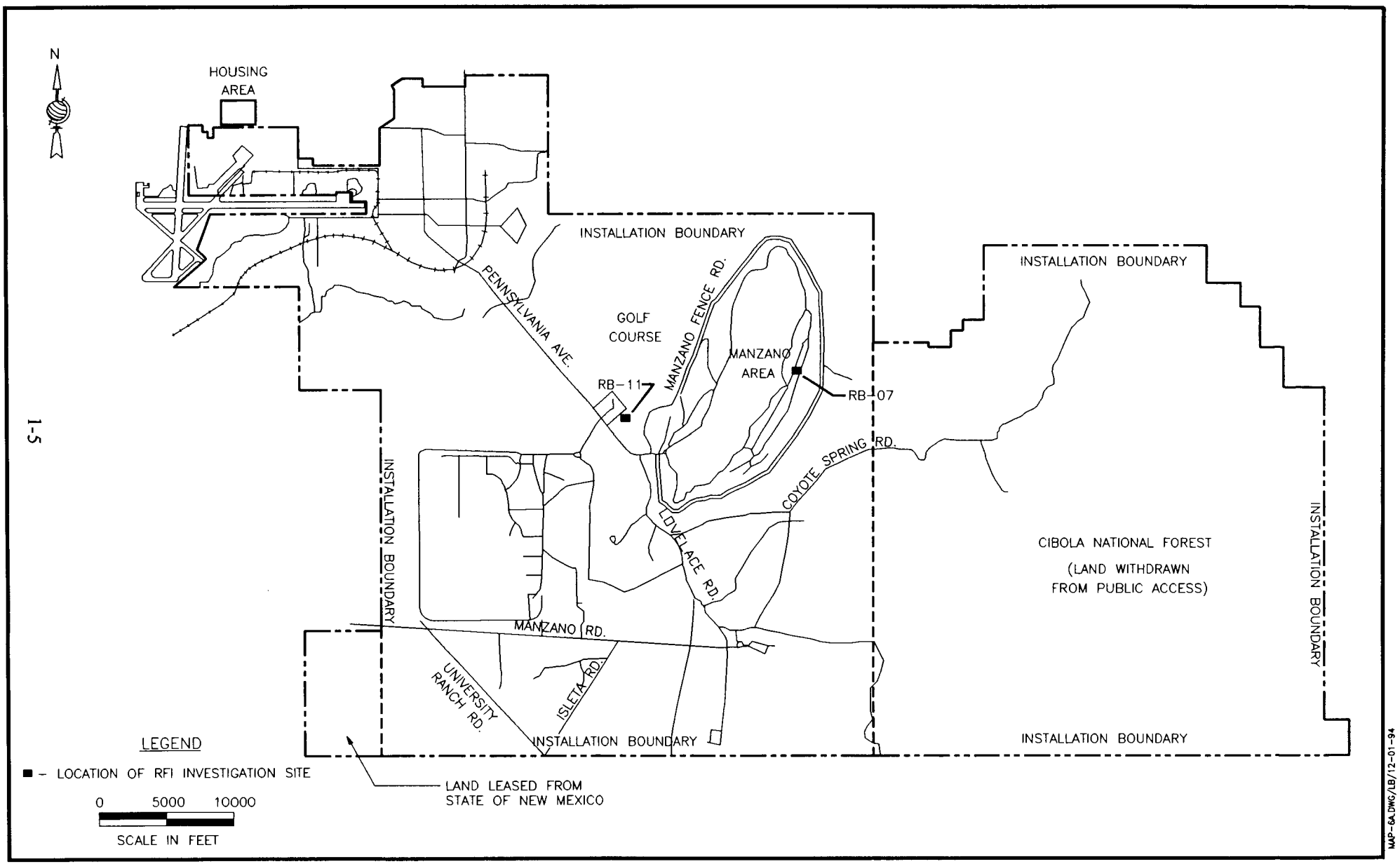
1-4

MAP-4A.DWG/PB/11-22-94

FIGURE 1-1

LOCATION OF
KIRTLAND AIR FORCE BASE, ALBUQUERQUE, NEW MEXICO

RCRA FACILITY INVESTIGATION
STAGE 2D-1
KIRTLAND AIR FORCE BASE, NEW MEXICO



1-5

GENERAL SITE PLAN

FIGURE 1-2

RCRA FACILITY INVESTIGATION
STAGE 2D-1
KIRTLAND AIR FORCE BASE, NEW MEXICO

stop for aircrews ferrying bomber aircraft to England. In 1939, the City of Albuquerque began planning a new municipal airport and the US Army leased 2,000 acres of land adjacent to Oxnard Field.

The Albuquerque Army Air Base (home of the 19th Bombardment Group) was constructed in 1941 for B-17 and B-18 bomber combat crew training. In late 1941 and 1942, the Bombardier School - Air Force Advanced Flying School opened at Albuquerque Army Air Base and training was expanded to include B-24s and AT-11 aircraft. In February 1942, Albuquerque Army Air Field was renamed Kirtland Field. Later that year, the Army Air Forces acquired Oxnard Field (approximately 11,000 acres to the east of Kirtland Field). Construction began on Albuquerque Air Depot Training Station, a training depot for aircraft mechanics (which later became Sandia Base).

From 1944 to 1945, Kirtland Field was used as an Army Air Force Medical Convalescent Center for returning veterans and a dismantling and storage facility for war-weary and surplus planes. In 1946, the Base became involved in activities supporting atomic bomb development. In 1947, Kirtland Field was redesignated Kirtland AFB. During 1947, the Base's main mission involved a continuation of World War II weapons development, ballistics, equipment handling, aircraft modification, and development tests for existing and proposed atomic bombs.

In 1945, portions of Los Alamos Laboratory moved to Albuquerque Air Depot Training Station to manage development of atomic bomb assemblies, and the station was redesignated to the Armed Forces Special Weapons Project (which later became the Air Force Special Weapons Center). This unit was the predecessor of the Sandia Branch of the Los Alamos Scientific Laboratory [Sandia National Laboratories (SNL)], the largest tenant of Kirtland AFB. SNL is involved in the development and testing of special weapons as well as the research and development of energy source systems.

Initial construction of a weapons storage area (WSA) began in 1947. This area is located within a small foothill range of the Manzanita Mountains known locally as the "Four Hills," near the southwestern boundary of what was then Sandia Base. The storage area, which was initially known as "Site Able," later became Manzano Base.

Both Kirtland AFB and Sandia Base were primarily known as nuclear testing and development facilities in the 1960s. In 1963, the Air Force Weapons Laboratory (AFWL) was established at Kirtland AFB to undertake weapons research and to develop simulation techniques. AFWL was one of the major tenants at Kirtland AFB. In the 1960s, AFWL constructed facilities to simulate nuclear

blast effects, including transient radiation, x-rays, and electromagnetic pulses (Engineering Science, 1981). The AFWL became part of Phillips Laboratory in December 1990.

In 1966, the airfield, taxiways, and attendant properties were sold to the City of Albuquerque to become the Albuquerque International Airport, and Kirtland AFB initiated a "leased arrangement" with the City to conduct its military flying operations. In July 1971, Manzano and Sandia Bases merged with Kirtland AFB and became the eastern side of Kirtland AFB; the Air Force Special Weapons Center assumed management responsibilities. In the 1970s, Kirtland AFB evolved into essentially a research and development base, hosting other military organizations. The research and development activities were primarily in the areas of nuclear weapons and nuclear blast effects, electronics, lasers, and explosives. The training activities were for pararescue specialists, helicopter crews, and noncommissioned officers (Kearney, 1986). During the early 1970s, the Air Force Contract Management Division was in command of the Base.

In 1976, the 4900th Air Base Wing (ABW) was created to oversee operational testing of emergency aircraft systems, and the 1550th Aircrew Training and Test Wing (later designated the Combat Crew Training Wing) brought regular flight operations to Kirtland AFB. Beginning in 1977, the Military Airlift Command became responsible for "host" activities and the 1606 ABW was designated the host. The host supports the needs of all of the facility's associates (except SNL), including maintenance, transportation, and administration.

In 1982, Kirtland AFB became the hub of USAF space technology when the Air Force Technology Center was activated. Later, in 1990, the Air Force Phillips Laboratory was established and took over the Space Technology Center and Weapons Laboratory missions.

In October 1991, the 1550th Combat Crew Training Wing merged with the 1606 ABW to form the 542nd Crew Training Wing (CTW), the host organization at Kirtland AFB. The wing's operational mission was to train all USAF helicopter and HC-130 crews, as well as all pararescue personnel for worldwide operations.

In January 1993, the 542nd Crew Training Wing split from the host wing to once again become a separate flying/training wing under Air Mobility Command (AMC) (formerly MAC), and the 377 ABW was activated as the new host base wing. Kirtland AFB was reassigned from AMC to Air Force Materiel Command (AFMC), headquartered at Wright-Patterson AFB, OH. The 542 CTW continued its role of training aircrews and pararescue personnel for worldwide duty with Air Force Special Operations Command and Air Rescue Service. On April 1, 1994, the 542 CTW became the 58th Special Operations Wing under the Air Education and Training Command. Additionally,

Kirtland AFB continues to be one of the nation's leading research, development, test, and evaluation facilities.

As the host organization at Kirtland AFB, the 377 ABW supports the organizations at Kirtland AFB and acts as support in war-time mobility requirements in various critical specialties. The wing has 2,522 employees, including 166 officers, 1,375 enlisted personnel, and 981 civilians. The wing's mission is the support of Kirtland's nearly 15,500 employees who work for over 150 associate units. The two largest associates are SNL [operated for the US Department of Energy (DOE) under a separate USEPA I.D. number] and Phillips Laboratory. Other major associates include the Air Force Operational Test and Evaluation Center, the Defense Nuclear Agency's Field Command, the Air Force Safety Agency, the Air Force Inspection Agency, and the Air Force Security Police Agency. The 377 ABW furnishes the resources, equipment, and facilities necessary to support these complex and varied organizations.

The Environmental Management Division within the 377 ABW is responsible for waste management activities and environmental restoration efforts at Kirtland AFB. As of 1987, 806 buildings housed industrial shops, laboratories, and administrative activities. Over the years of facility operation, numerous functional changes have occurred for various buildings (e.g., from shop to laboratory to administration). Changes in laboratory research projects have resulted in changes in the waste stream composition and volume. Consequently, waste generation areas and the types of wastes generated have changed over time (USEPA, 1983; Atchue, 1988; and Gupta, 1988). The facility USEPA I.D. number was issued to the Installation Commander of the host, who is considered the owner and operator of the DoD facility. The objectives of the Kirtland AFB environmental restoration program are:

- Provide staff resources necessary to complete the environmental restoration program.
- Protect human health and the environment.
- Comply with applicable statutes and regulations.
- Meet USEPA Region 6 and NMED schedules in any agreements and permits.
- Complete RFIs as soon as practicable for each IRP site.
- Identify all potential source areas.
- Establish areas of no suspected contamination.

- Initiate removal actions where necessary to control, eliminate, or reduce the risks to manageable levels.

- Characterize risks associated with releases of hazardous substances, pollutants, contaminants, or hazardous wastes.

- Develop, screen, and select Corrective Measure Implementations (CMIs) that reduce risks in a manner consistent with statutory requirements.

- Commence CMIs for IRP sites as soon as practicable.

1.3 Report Format

This RFI Report has been prepared to present information about the two sites investigated during the Stage 2D-1 study at Kirtland AFB. These sites are RB-11, a series of burial trenches used for the disposal of irradiated animal carcasses, and RB-07, a burial trench used for the disposal of dry wastes associated with former WSA maintenance activities. The report is organized into five sections plus appendices, which are attached to this report.

- ***Section 1.0: Introduction***. This section outlines the current study and scope of this RFI, as well as general installation background information.

- ***Section 2.0: Environmental Setting***. This section focuses on environmental data and information that is common to the sites throughout the Base. It includes information on climate, topography, geology, hydrogeology, soil, and surface water.

- ***Section 3.0: Investigation Procedures***. The field, laboratory, and risk assessment procedures used during this investigation are described in this section.

- ***Sections 4.0 and 5.0: Site Descriptions***. These sections present information that is specific to the sites. Each section contains a study area description, details on the investigations conducted at the site, and site-specific geologic and hydrogeologic characteristics. In addition, each section presents the radiological and chemical analytical results for the samples collected and the nature and extent of contamination as defined by those samples. Each section also contains a CERCLA-type baseline risk assessment for those contaminants present at or above health-based risk action levels established in 55 FR 30798, July 27, 1990, as modified by more currently published information obtained from USEPA integrated risk information system (IRIS online data base) of 1994. Finally, each section contains a summary and conclusions section that outlines further data needs and makes recommendations for future action at each site.

- ***Appendices.*** Appendix information is as follows:

Appendix A	–	USAF Statement of Work
Appendix B	–	Biographies of Key Personnel
Appendix C	–	Soil Boring Logs
Appendix D	–	Field Data
Appendix E	–	Surveying Data
Appendix F	–	Chain-of-Custody Forms
Appendix G	–	Analytical Data
Appendix H	–	Risk Calculations
Appendix I	–	Correspondence with Federal, State, and Local Government Agencies
Appendix J	–	Data from Previous Investigations
Appendix K	–	Data Validation Summary
Appendix L	–	QA/QC for Production of Documents
Appendix M	–	Geologic Cross Sections of Site RB-11

1.4 Previous Investigations

Formal environmental investigative work has been performed at Kirtland AFB over the past 10 years. This work has been performed under the IRP as part of the approval process for the Base's RCRA Part B Permit, issued in 1990 (Table 1-1).

Table 1-1. Previous IRP Environmental Investigations Performed at Kirtland AFB

Study	Organization	Date
Phase I—Records Search	Engineering Science, Inc.	1981
Phase II—Stage 1	SAIC	1985
Phase II—Stage 2	USGS	1988-1993
PR/VSI	USEPA	1988
Phase II—Stage 2A	USGS	1990-1993 (draft report to USEPA)
Phase II—Stage 2B	USGS & Halliburton NUS	1993 - 1994 (draft report to USEPA in December 1994)
Phase II—Stage 2C	Halliburton NUS	In progress (draft report to USEPA in October 1995)

- ***Phase I.*** IRP investigations at Kirtland AFB began with the Phase I-Records Search Report (Engineering Science, Inc., 1981). This report consisted of a search of pertinent installation records, a literature search of published and unpublished reports, discussions with key installation personnel (both active and retired), an examination of topographic and geologic maps, an examination of aerial photographs and site visits, and an assessment of the hazard potential of each waste disposal site identified. Phase I identified 25 disposal sites on Kirtland AFB lands as potential contamination sources; these sites were prioritized for a Phase II evaluation.

- ***Phase II, Stage 1.*** This consisted of acquisition and analysis of preliminary site-specific environmental data to identify the environmental status of seven sites and propose remedial actions where applicable (SAIC, 1985).

- ***Phase II, Stage 2.*** Ten sites were studied by the USGS, New Mexico District in Phase II, Stage 2, beginning in 1988. Based upon earlier studies and sampling done by the NMED, these 10 sites were selected because potential contaminants were stored, discharged, or applied at the sites. The final report on this stage was issued in December 1993.

- ***RCRA PR/VSI.*** In April 1988, USEPA Region 6 performed a PR/VSI (Kearney/Centaur, 1988) under RCRA as part of the process for approving the RCRA Hazardous Waste Management Part B Permit Application for Kirtland AFB. Appendices I, II, and III of the RCRA Corrective Action Compliance Schedule identified numerous SWMUs which required further investigation and characterization.

- ***RCRA Phase II, Stage 2A.*** After the PR/VSI, the Kirtland AFB IRP began site characterization studies following RCRA guidance. Kirtland AFB began addressing the SWMUs generally as distributed in the USEPA Appendix I, II, and III site list. Twenty-one of the SWMUs listed in Appendices I and II were investigated by the USGS in Stage 2A. The 21 sites, which included 9 of the first 10 sites that the USGS had already begun investigating, were selected because they were sites that had the greatest potential for soil and groundwater contamination from past disposal and landfill sites. The results of the Phase II, Stage 2A investigation were presented in an RFI Report, issued in draft form to the USEPA in December 1993.

- ***RCRA Phase II, Stage 2B.*** The Phase II, Stage 2B investigation addressed 73 sites, which included a fire training area; a laser lab water disposal site; and numerous oil/water separators, area drains, holding tanks, underground storage tanks (USTs), and sewage ejector units. These sites are identified as SWMUs in Appendix II of the RCRA Corrective Action Compliance

Schedule. The USGS prepared the Work Plan for the Stage 2B sites, which was finalized in January 1992. At six of the Stage 2B sites, the USGS implemented field work. Halliburton NUS investigated the remaining 68 Phase II, Stage 2B sites. The work was performed in accordance with the USAF 1991 IRP Handbook and Scope of Work written by the USAF.

- ***RCRA Phase II, Stage 2C:*** This addresses 134 sites, including 120 waste line sites and 14 sites designated as non-waste line sites. The sites are identified as SWMUs in Appendix III of the RCRA Corrective Action Compliance Schedule. The 120 waste line sites consist of the inflow/outflow lines of units investigated during the 2B investigation (oil/water separators, area drains, holding tanks, USTs, and sewage ejector units); the sanitary sewers; the storm sewers; and the septic systems (septic tanks, leach fields, and associated lines). The 14 non-waste line sites include a treated sewage effluent line, a jet engine burn area, a waste oil tank, three battery storage areas, two waste accumulation areas, a paint shop and sink drain, a jet engine test cell, a vehicle maintenance yard, a drum rack, a contractor storage yard, and a condensate holding tank. Phase II, Stage 2C is still in progress. The draft report for this stage is due to the USEPA in October 1995.

1.5 Description Of Current Study

As previously mentioned, Phase II, Stage 2D has been separated into two portions. The first portion, Stage 2D-1, addresses two sites, Radioactive Burial Trenches RB-11 and Dry Waste Disposal Area RB-07, which were previously included in the Stage 2B Work Plan and the Stage 2C, Non-Waste Line Work Plan, respectively. Both of the Work Plans had previously been approved by the USEPA. Because the sites had similar potential contamination concerns, the USEPA approved a separate appendix (Appendix IV) and investigation (Stage 2D-1) to address the two sites. The site investigations were performed in accordance with the procedures as described in the Stage 2B and Stage 2C Work Plans. Specific details for each site investigation are discussed further in Sections 4 and 5 of this RFI Report.

The second portion, Stage 2D-2, addresses five sites, Emergency Holding Tanks RB-04, RB-05, RB-06, RB-08, and RB-09. These sites will be investigated under a separate work plan and schedule. The RFI Report for Stage 2D-2 is scheduled to be submitted to USEPA by February 11, 1996.

1.5.1 Project Objectives

The overall goal of the environmental investigative work at Kirtland AFB is to adequately characterize environmental contamination to determine all of the following:

- The nature and extent of contamination, if present, as necessary to develop and design corrective measures
- Whether further investigation activities are needed
- Whether a No Further Response Action Planned (NFRAP) designation is appropriate for either of the sites

1.5.2 Investigative Process

This investigative process required data collection and the development or refinement of a conceptual model for each site. A conceptual model consists of the following:

- Identification of contaminant concentrations in excess of background
- Source characterization including location, source volume or quantity, and concentrations of hazardous constituents at the source
- Identification of potential pathways
- Identification of potential receptors

The degree of refinement necessary for a conceptual model at a site will depend in part on the type and extent of contamination identified.

1.5.3 Scoping Documents

The following project scoping documents were used to implement the Stage 2D-1 RFI at Kirtland AFB:

- IRP Stage 2B Work Plan (USGS, December 1993c)
- IRP Stage 2C, Non-Waste Line Work Plan (Halliburton NUS, 1994b)
- IRP Stage 2B Sampling and Analysis Plan (USGS, December 1993b)
- IRP Stage 2C Sampling and Analysis Plan (Halliburton NUS, 1994d)

- IRP Stage 2B Health and Safety Plan (USGS, December 1993a)
- IRP Stage 2C Health and Safety Plan (Halliburton NUS, March 1994a)
- IRP Stage 2C Project Management Plan (Halliburton NUS, January 1994c)

Together these documents describe the scope of the RFI and address the requirements in Module IV of the Kirtland AFB Part B RCRA Permit.

1.5.4 Identity of Subcontractors and Their Roles

Specific subcontractors were required to assist with the implementation of the RFI activities. The following subcontractors were retained under subcontract to Halliburton NUS during the investigation:

- ***Geophysical survey company***. Golder Associates (Redmond, Washington) performed a geophysical survey at RB-11 to better define trench boundaries. Information from the geophysical survey was used to determine sampling locations.
- ***Surveyor***. Albuquerque Surveying Co., Inc. (Albuquerque, New Mexico), was the licensed land surveyor that determined vertical and horizontal locations of soil borings.
- ***Analytical laboratory***. Halliburton NUS Laboratory (Pittsburgh, Pennsylvania) performed chemical and radiological sample analyses.

2.0 Environmental Setting

This section contains general information that is common to both of the sites under investigation.

2.1 Climate

The climate of Kirtland AFB and vicinity is typical of a high desert plateau, having low precipitation, wide temperature extremes, and, typically, clear sunny days. It is classified as "arid continental." The mean annual precipitation ranges from 8.8 in. at Albuquerque International Airport, at the western edge of the Base, to nearly 20 in. at about 8,000 ft in the Manzanita Mountains near the southeastern edge of the Base (NOAA, 1992). The average monthly precipitation in the Albuquerque area ranges from less than 0.5 in. during the winter to more than 1.5 in. during the summer. Typically, the summer months receive almost half of the annual moisture in the form of brief but locally heavy precipitation during thunderstorms. Prolonged periods of continuous precipitation are rare. Average annual snowfall for Albuquerque is 14.7 in. (NOAA, 1990). Snow rarely lasts longer than 24 hr in the non-mountainous areas. In mountainous areas, snow cover is common from late fall to early spring.

The annual mean maximum temperature at Kirtland AFB is 69° F. The annual mean minimum temperature is 44° F. The highest mean maximum temperature is 91° F in July and the lowest mean minimum temperature is 24° F in January.

The prevailing wind direction from May through October is south to southeast and the mean wind speed is about 8 knots. From November through April, the prevailing wind direction is north to north-northwest and the mean wind speed is about 7 knots.

Potential evapotranspiration (evaporation occurring when no soil-water deficit exists) for the Albuquerque area is 30.9 in. Actual evapotranspiration has been determined to be about 95% of precipitation in this climatic regime, and the remaining 5% is divided equally between runoff and recharge [US Army Corps of Engineers (USACE) et al. 1979].

2.2 Topography

Kirtland AFB is located within the Rio Grande Valley of the Mexican Highland Subdivision of the Basin and Range physiographic province. The Rio Grande Valley is a depressed linear rift feature extending from the headwaters of the Rio Grande in the central Rocky Mountains in southern Colorado, through New Mexico and Texas to the western edge of the Gulf of Mexico.

Kirtland AFB is located on a high, semi-arid piedmont alluvial plain and adjacent foothills about 5 mi east of the Rio Grande. The alluvial plain is cut by the east-west trending Tijeras Arroyo, which drains into the Rio Grande. Most of the Base is relatively flat, sloping gently westward toward the Rio Grande. However, the eastern United States Forest Service (USFS) withdrawn portion of Kirtland AFB extends into the Manzanita Mountains. The western slope of the Manzanita Mountains is precipitous, rough, and has numerous canyons and arroyos. Elevations range from 5,170 ft above mean sea level (amsl) where the Tijeras Arroyo crosses the western boundary of the Base, to 7,988 ft amsl at the Manzano Lookout Tower in the Manzanita Mountains. The mean elevation of Kirtland AFB is 5,348 ft (SNL, 1994).

2.3 Surface Water Hydrology

The Albuquerque area is drained by a single perennial river, the Rio Grande, which is about 5 mi west of the base. Drainage from elevated land areas paralleling the river occurs by overland flow to arroyos and then to off-base flood canals and drains (manmade drainage canals or other similar features), or by infiltration into surface soils. Water reaching canals or drains is directed to the Rio Grande. Flooding is not a typical problem in the Kirtland area, although localized flooding may occur for brief periods where drainage flows exceed the capacity of arroyos and drains. This occurs almost exclusively during the summer thunderstorm season (July through September). Primary surface water drainage through Kirtland AFB occurs in the Tijeras Arroyo, Arroyo del Coyote, and an unnamed drainage channel south of Arroyo del Coyote.

The Tijeras Arroyo drains an area of about 150 mi^2 bounded on the north by the Sandia Mountains and on the south by the Manzanita Mountains. The Arroyo del Coyote drains an area of about 30 mi^2 on the west face of the Manzanita Mountains. Discharges to the arroyos are generally intermittent; water flowing in the arroyos typically evaporates or infiltrates over short distances. In flat-lying areas, overland sheet flow toward the arroyos can develop during intense rainfall. Because of the arid environment, the typically short duration of storms, and the permeable nature of surface soils, most of this flow tends to infiltrate before reaching the arroyos (Kearney, 1986 and 1987).

The USACE has determined that the locations of the 100-year and 500-year flood plains at Kirtland AFB are confined to areas immediately adjacent to the Tijeras Arroyo and Arroyo del Coyote (USACE, 1979). Neither of the two sites being investigated by this RFI is located in these flood plains.

2.4 Geology and Soils

2.4.1 Geologic Setting

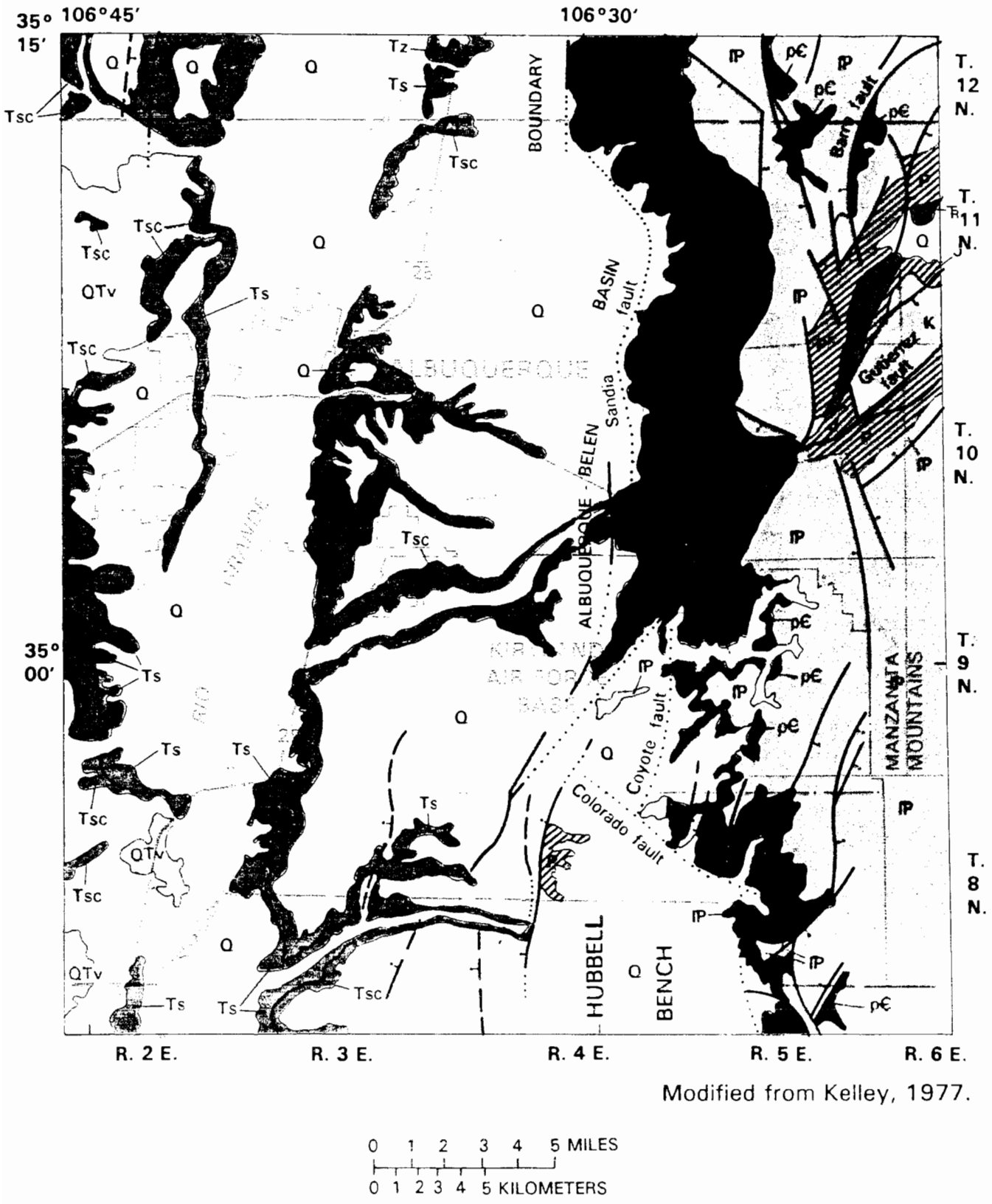
The geology of the Kirtland AFB area is complex and varied. The western portion of the base lies within the Albuquerque-Belen Basin. A bedrock geology map of Kirtland AFB and the surrounding area is shown in Figure 2-1. A generalized geologic section of the Albuquerque-Belen Basin and adjacent areas is shown in Figure 2-2. The eastern portion of the Base is mountainous with elevations reaching more than 7,900 ft amsl within the Manzanita Mountains. These mountains are composed primarily of Precambrian crystalline rock and Paleozoic marine carbonate rock.

The Albuquerque-Belen structural basin contains the through-flowing Rio Grande (the basin is approximately 90 mi long and 30 mi wide). The basin is bounded by the Nacimiento uplift to the north; the Sandia, Manzanita, and Manzano-Los Piños uplifts to the east; the Socorro Basin to the south; and the Lucero uplift and Puerco plateau to the west (Figure 2-3).

The Albuquerque-Belen Basin lies within a series of grabens and structural basins called the Rio Grande Rift. The Rio Grande Rift has a general north-south alignment and is bordered on the east and west by up-faulted blocks (Figure 2-4). The basin consists of a northern, eastward-tilted half-graben and a southern, eastward-tilted half-graben. The Tijeras fault, which crosses Kirtland AFB, may be the transition zone between the two half-grabens (Lozinski, 1988). Igneous, metamorphic, and sedimentary rocks exposed in the Albuquerque area range in age from Precambrian to Holocene. Rocks older than Tertiary are exposed in the Sandia and Manzanita-Manzano Mountains to the east and in the Rio Puerco Valley west of the Rio Grande.

The deposits within the Albuquerque-Belen Basin consist of interbedded gravel, sand, silt, and clay, the bulk of which are referred to as the Santa Fe Group. These sediments were deposited during the Late Tertiary and Quaternary as alluvial-fan, playa, and fluvial deposits that filled the subsiding basin. The thickness of basin-fill deposits in most of the basin is greater than 3,000 ft, although the thickness varies considerably because of faulting in the basin. In most areas, it is not possible to correlate lithologies between wells because of the lenticularity of the units and offsets that occurred during and after deposition (Anderholm, 1987).

The Santa Fe Group is comprised of beds of unconsolidated to loosely consolidated sediments and interbedded volcanic rocks. The materials range in size from boulders to clay. Well-sorted stream channel deposits to poorly-sorted slopewash deposits are found. The thickness of the Santa Fe Group beneath Kirtland AFB ranges from less than 100 ft to greater than 6,500 ft on the basis of gravity data (Kernadle and Scott, 1986). Coalescing alluvial fans of materials eroded from the

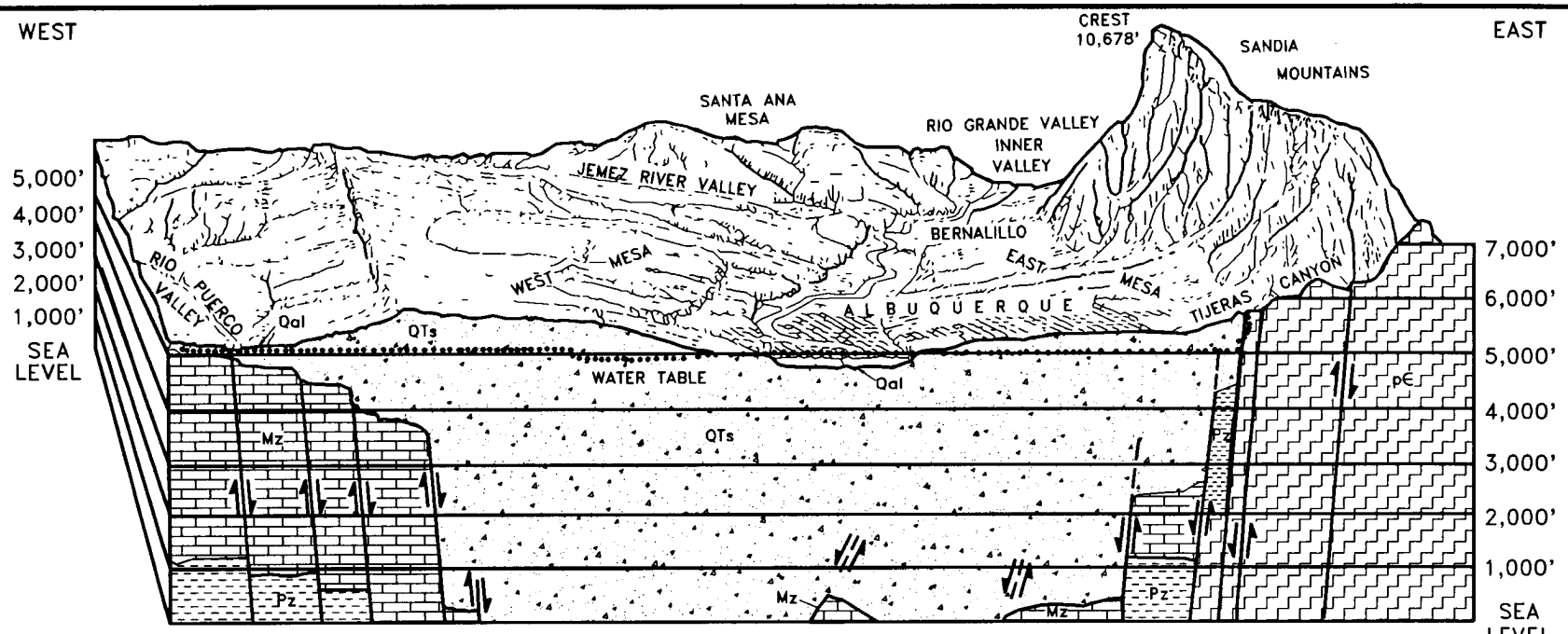


Modified from Kelley, 1977.

EXPLANATION

- Q — QUATERNARY AND HOLOCENE DEPOSITS--Includes alluvium, landslide deposits, eolian deposits, caliche, and gravel pediments
- QTv — QUATERNARY AND TERTIARY VOLCANIC ROCKS
- TERTIARY SANTA FE GROUP OF KELLEY, 1977--Ts, undivided: sandstone, mudstone, claystone, conglomerate, and fanglomerate. Tsc, Ceja Member of Kelley (1977), sandstone, and conglomerate. Tz, Zia Member of Kelley (1977), sandstone, mudstone, and conglomerate
- K — CRETACEOUS, UNDIVIDED--Includes Mesaverde Formation, Mancos Shale, and Dakota Sandstone
- JURASSIC, UNDIVIDED--Includes Morrison Formation, Bluff Sandstone, Summerville and Todilto Formations, and Entrada Sandstone
- TRIASSIC, UNDIVIDED--Includes Chinle Formation and Santa Rosa Sandstone
- PERMIAN ROCKS, UNDIVIDED--Includes San Andres Formation, Glorieta Sandstone, and Yeso and Abo Formations
- P — PENNSYLVANIAN ROCKS, UNDIVIDED--Includes Madera and Sandia Formations, thin Mississippian rocks locally at base
- PRECAMBRIAN ROCKS
- CONTACT
- FAULT--Bar and ball on downthrown side. Dashed where approximately located; dotted where concealed

Figure 2-1. Bedrock Geology of Kirtland Air Force Base and Vicinity

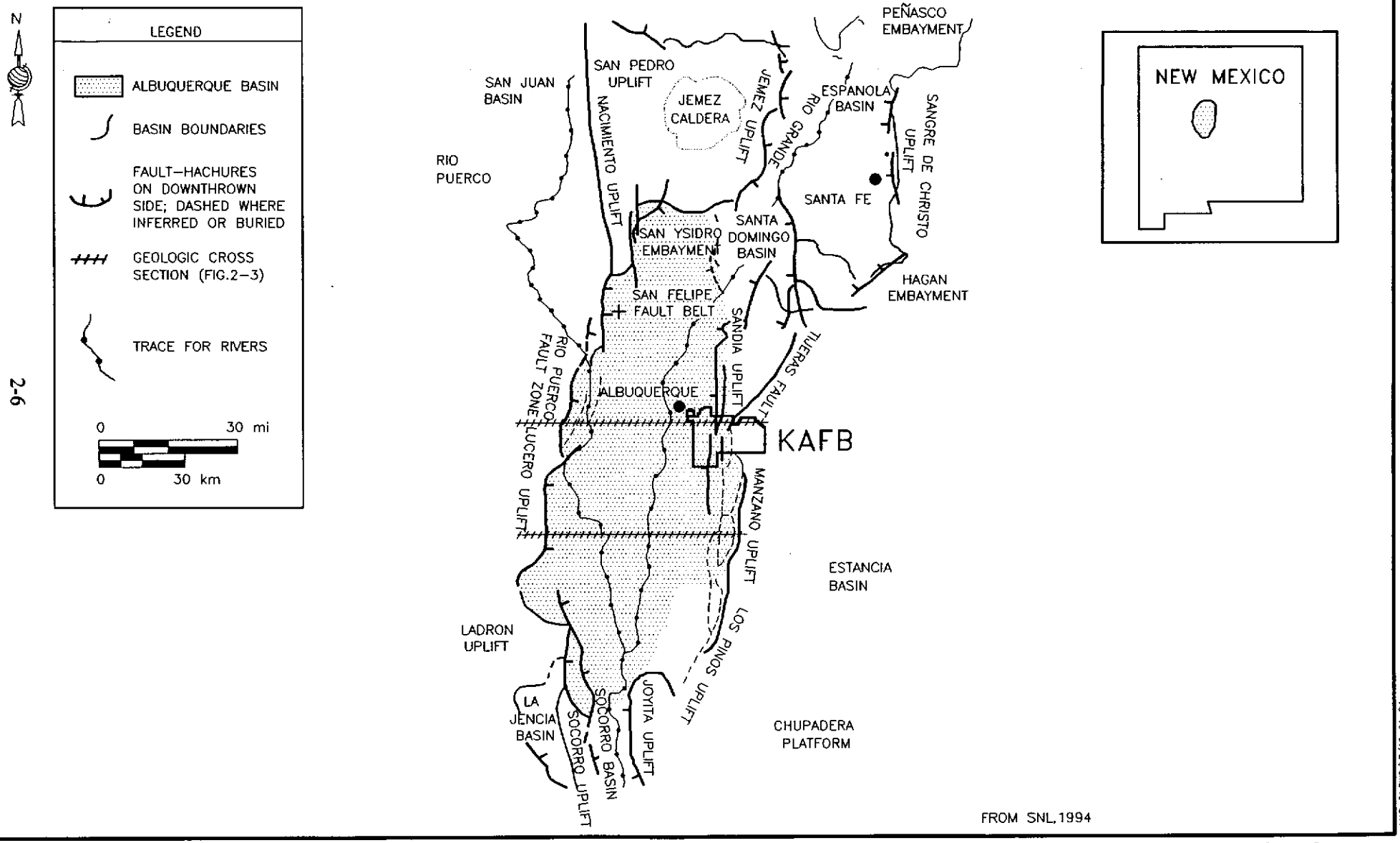


MAP-1A.DWG/SR/12-03-94

GENERALIZED GEOLOGIC SECTION IN THE AREA OF KIRTLAND AIR FORCE BASE, NEW MEXICO (MODIFIED FROM BJORKLAND AND MAXWELL, 1961, FIG 3.)

FIGURE 2-2

RCRA FACILITY INVESTIGATION
STAGE 2D-1
KIRTLAND AIR FORCE BASE, NEW MEXICO

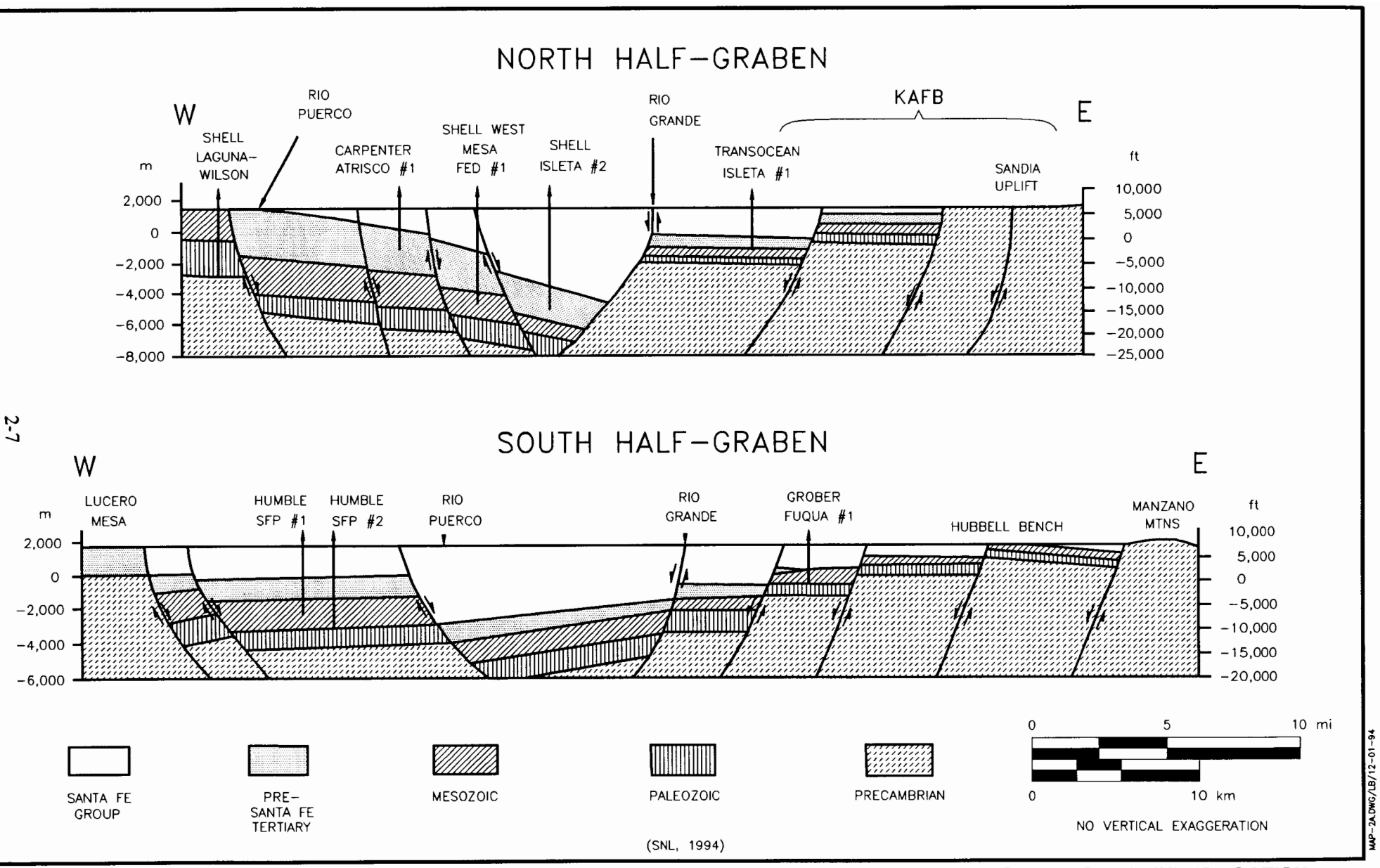


2-6

REGIONAL TECTONIC SETTING OF THE ALBUQUERQUE BASIN NORTH-CENTRAL NEW MEXICO

FIGURE 2-3

RCRA FACILITY INVESTIGATION
STAGE 2D-1
KIRTLAND AIR FORCE BASE, NEW MEXICO



(SNL, 1994)

DIAGRAMMATIC GEOLOGIC CROSS SECTIONS OF THE CENTRAL ALBUQUERQUE BASIN, NORTH AND SOUTH OF TIJERAS FAULT ZONE AS LOCATED ON FIGURE 2-2

FIGURE 2-4

RCRA FACILITY INVESTIGATION
STAGE 2D-1
KIRTLAND AIR FORCE BASE, NEW MEXICO

surrounding mountains were deposited on the Santa Fe Group. The alluvial fans extend westward from the base of the Sandia and Manzanita Mountains to the eastern edge of the Rio Grande floor. The fan sediments, which range from poorly sorted mud flow material to well-sorted stream gravel, consist of channel fill and interchannel deposits. The fan deposits thicken going eastward toward the mountains and range from 0 to 200 ft in thickness (Cardenas and Associates, 1985).

2.4.2 Soils

Information regarding surface soils is derived from the IRP Stage 2B Work Plan (USGS, 1992). Surface soils, described by Hacker (1977), generally include the first 5 ft of unconsolidated material below land surface. The following, a description of surface soils, is not applicable to the deeper part of the vadose zone (alluvium and Santa Fe Group) through which potential contaminants could migrate toward the water table. Most soils on the western part of Kirtland AFB are loamy sand. "Loam" denotes a mixture of clay (7 to 27%), silt (28 to 50%), and sand (less than 52%). Soils tend to be finer on gentler than on steeper slopes. On the hills near Tijeras Arroyo, soils tend to be more stony or gravelly than on the more level land. Soils in the mountains, where slopes are the steepest, tend to be stony, gravelly, and shallow, with some bedrock outcroppings.

Mapped soil units at Kirtland AFB are shown in Figure 2-5. Although soils are described by "series," soils are highly variable in the field, and mapping units generally include areas that have more than one soil series.

2.5 Hydrogeology

2.5.1 Groundwater Occurrence and Movement

Three potential groundwater aquifers are present at Kirtland AFB: fractured bedrock; shallow alluvial deposits; and unconsolidated and semiconsolidated sedimentary deposits of the Santa Fe Group. Wells east of Kirtland AFB typically penetrate fractured or naturally permeable rocks for water. Along the Rio Grande flood plain, the shallow alluvial deposits are used as a source of potable water.

The stratigraphy of the basin fill is divided into the Lower, Middle, and Upper Santa Fe Group. The major freshwater aquifer(s) in the basin, supplying the City of Albuquerque and Kirtland AFB, are located within the Upper Santa Fe Group and, to a limited extent, in the middle of the sequence. The majority of the RFI study sites overlie this aquifer. The sediments of the Upper Santa Fe Group attain local depths of 1,500 ft (USGS, 1993a).

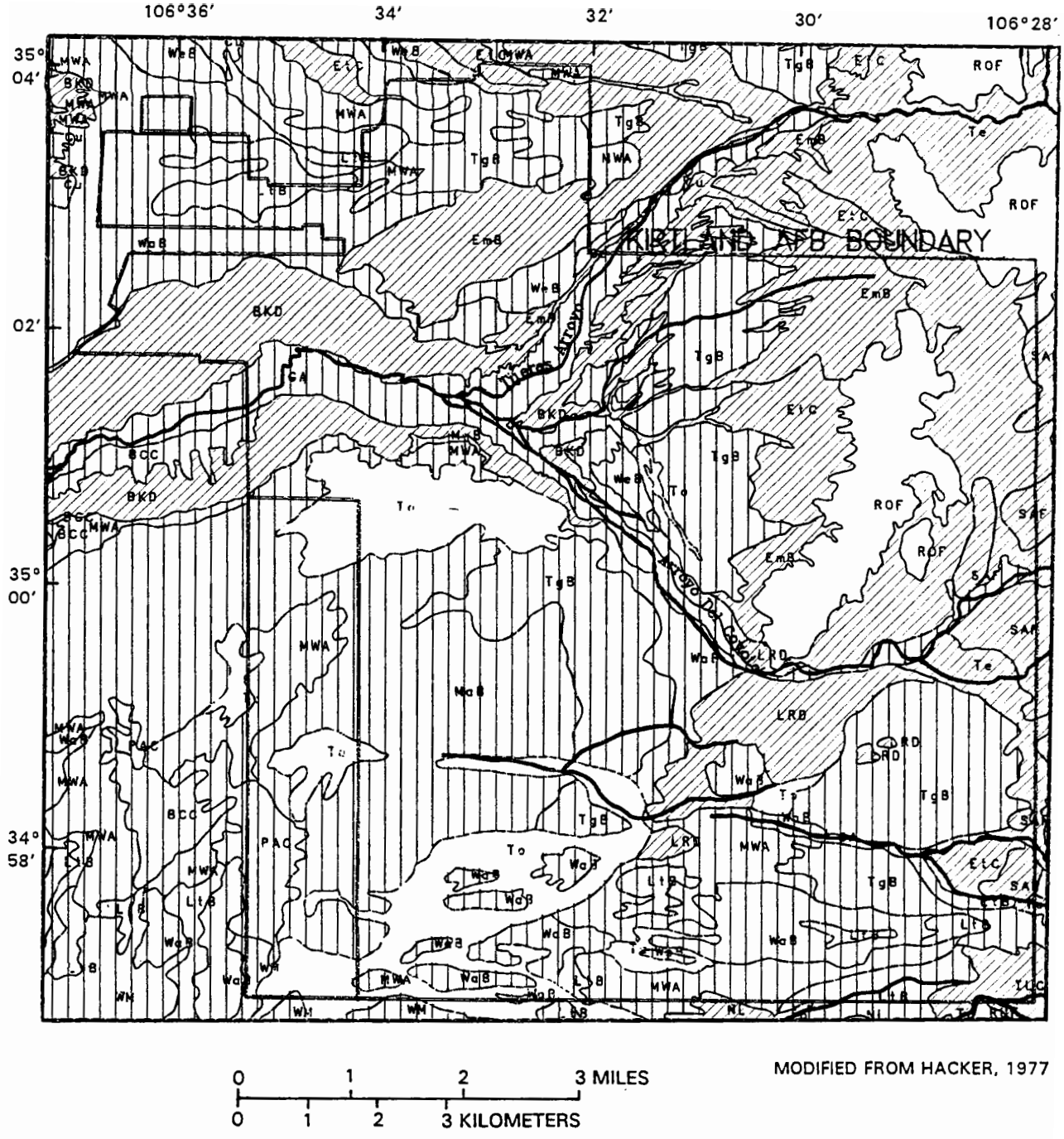


Figure 2-5. Soils of Kirtland Air Force Base

The Santa Fe aquifer is recharged by groundwater underflow from adjacent areas, and to a lesser extent by infiltration of precipitation from streams, drains, canals, and surface reservoirs, and infiltration of applied irrigation water. Groundwater in the valley fill generally is under water table or semi-confined conditions.

The regional potentiometric surface in the Albuquerque-Belen Basin slopes northwest diagonally from the bases of the Sandia and Manzanita Mountains on the east toward a groundwater depression, or "trough" about 8 mi west of the Rio Grande (Figure 2-5). The water table beneath the Rio Grande slopes southwest at approximately the same gradient as the river. A localized groundwater depression has formed in the eastern part of Albuquerque north of Kirtland AFB as the result of pumping from city wells. Extensive pumping has produced a localized reversal of the regional groundwater gradients within Kirtland AFB. The depth to groundwater varies widely within the basin. The depth to water is less than 10 ft in many parts of the Rio Grande Valley. In areas east and west of the valley, the depth to groundwater commonly exceeds 300 ft; in some areas of the West Mesa, the depth to groundwater is almost 900 ft (Anderholm, 1987). Figure 2-6 shows the regional potentiometric surface. Figure 2-7 shows the water table elevations below Kirtland AFB.

The fault system that forms the eastern boundary of the Albuquerque-Belen Basin trisects the area occupied by Kirtland AFB (Figure 2-8). The north-south striking Sandia Fault enters the Base from the north, almost colinearly the Hubbell Springs Fault extends to the south, and the Tijeras Fault cuts the base diagonally from the northeast. The fault complex divides the local groundwater system into three distinct hydrogeologic regions (Figure 2-9): the region west of the fault complex is identified as Hydrogeologic Region I (HR1); the region straddling the fault complex is identified as Hydrogeologic Region II (HR2); and the region east of the fault complex is identified as Hydrogeologic Region III (HR3). HR1 has been divided into two subareas identified as Subarea 1, in the northwest portion of the Base, and Subarea 2 in the southwest portion of the Base. HR2 has also been designated as Subarea 3 and is located in the central portion of the Base. HR3, also designated as Subarea 4, is in the east-southeast portion of the Base (SNL, 1994).

The HR1 saturated zone setting is within the Upper Santa Fe Group sediments. Groundwater is generally assumed to be unconfined in the upper portion of the aquifer. Depth to groundwater in this subregion varies from approximately 490 ft below ground surface (bgs) near the southeastern edge of the subregion to approximately 350 ft bgs at the western edge (Figure 2-10). The elevation of the water level at this region ranges from approximately 4,935 ft amsl along the eastern boundary of the subregion to 4,880 ft amsl along the western edge. Over the approximate 5-mi distance that separates these points, the gradient is approximately 11 ft/mi, or 0.002 ft/ft. This determination of the water table gradient is based on readings from monitor wells installed by SNL that are completed

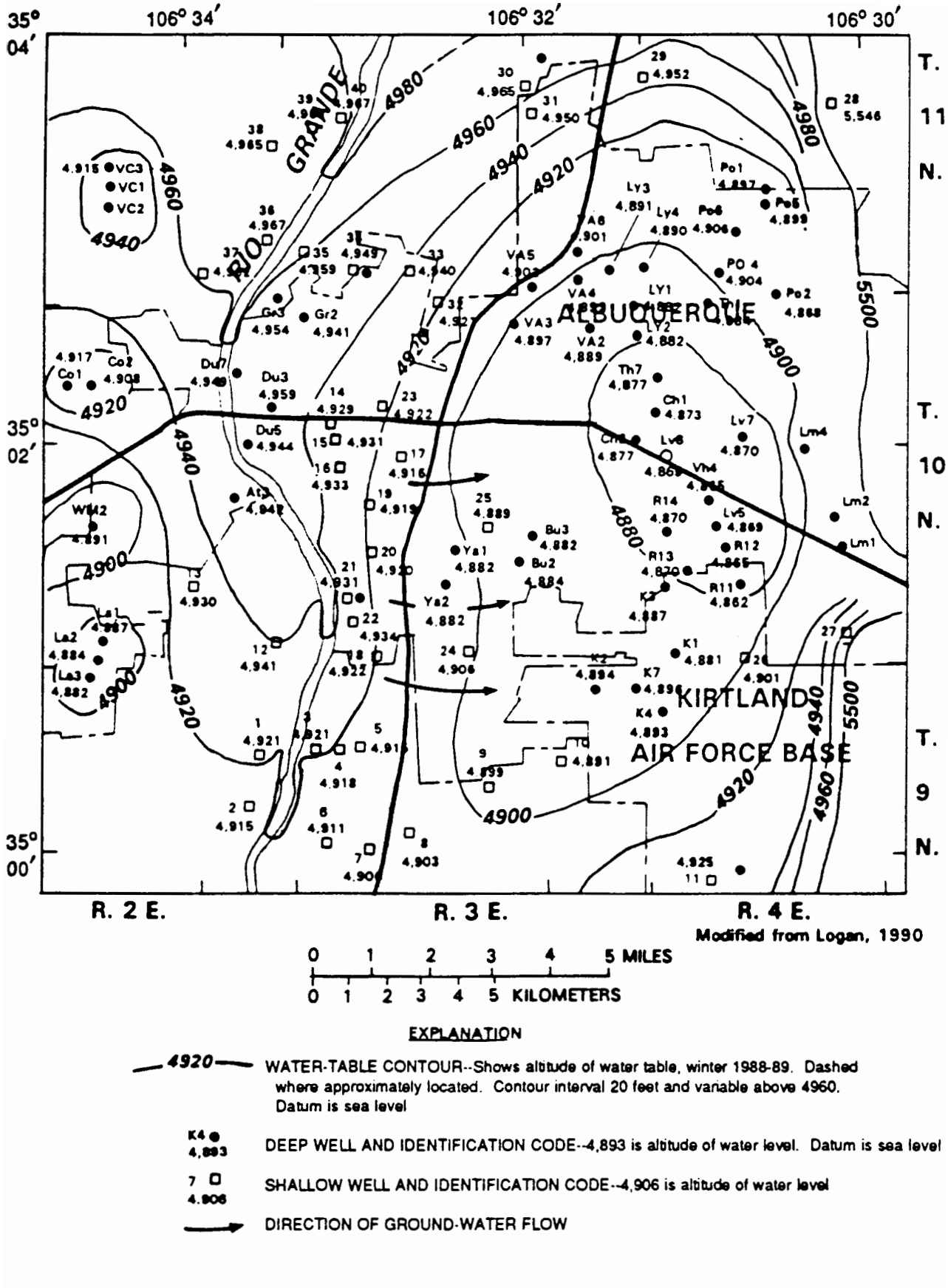
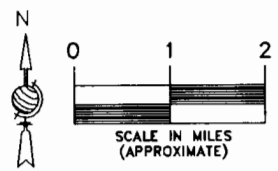
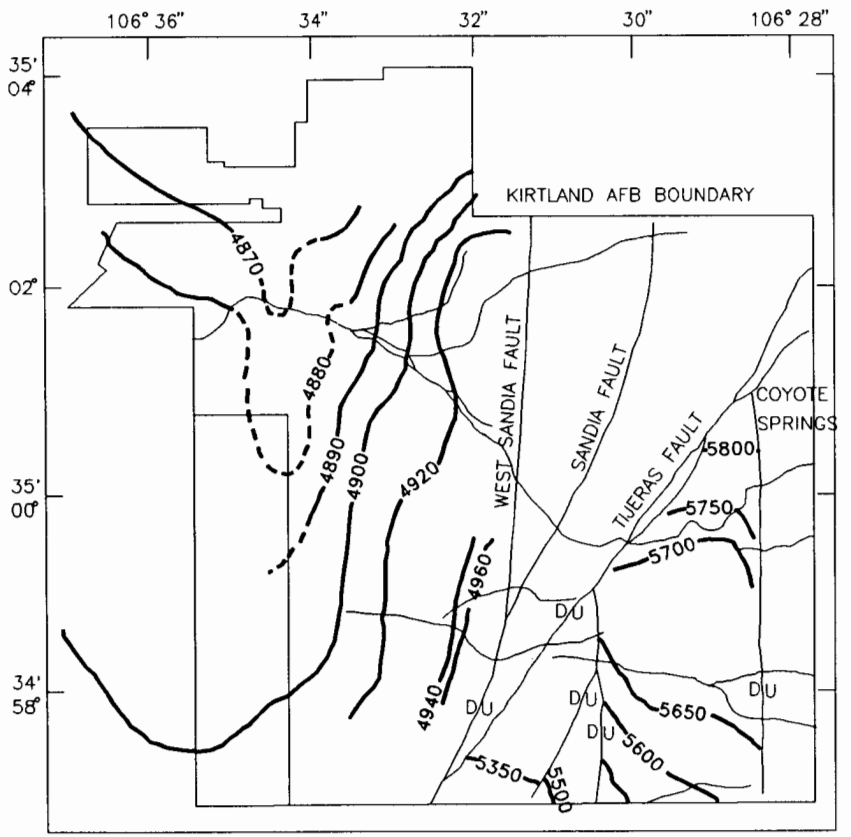


Figure 2-6. Regional Potentiometric Surface Map





LEGEND

LINE OF CONSTANT HYDRAULIC HEAD (feet above mean sea level)

(USGS STAGE 2A RCRA FACILITY INVESTIGATION KIRTLAND AFB, NM USGS, 1993)

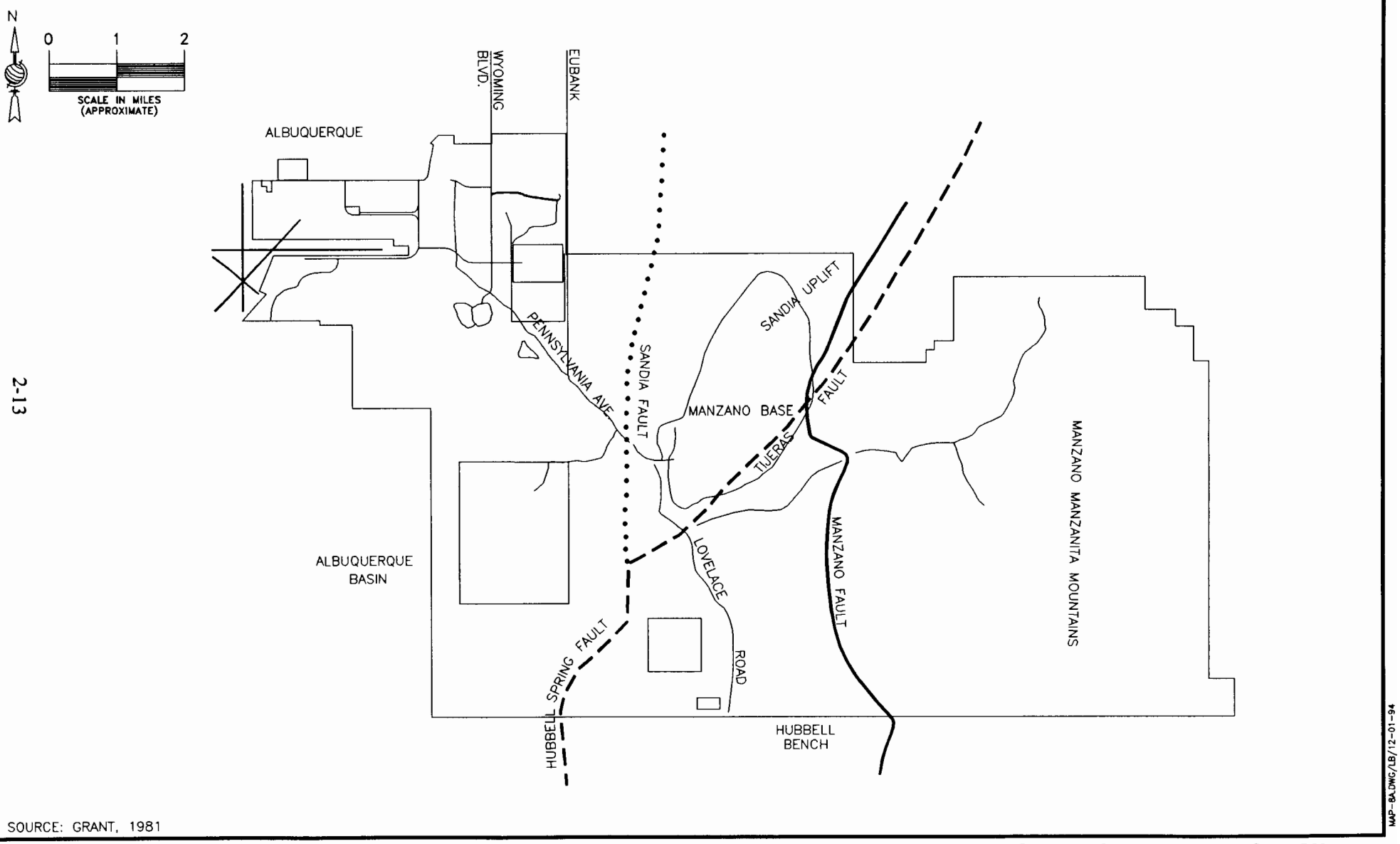
MAP-9A.DWG/LB/12-01-94

2-12

GENERALIZED WATER TABLE ELEVATIONS (SEPTEMBER 1992)

FIGURE 2-7

RCRA FACILITY INVESTIGATION
STAGE 2D-1
KIRTLAND AIR FORCE BASE, NEW MEXICO



SOURCE: GRANT, 1981

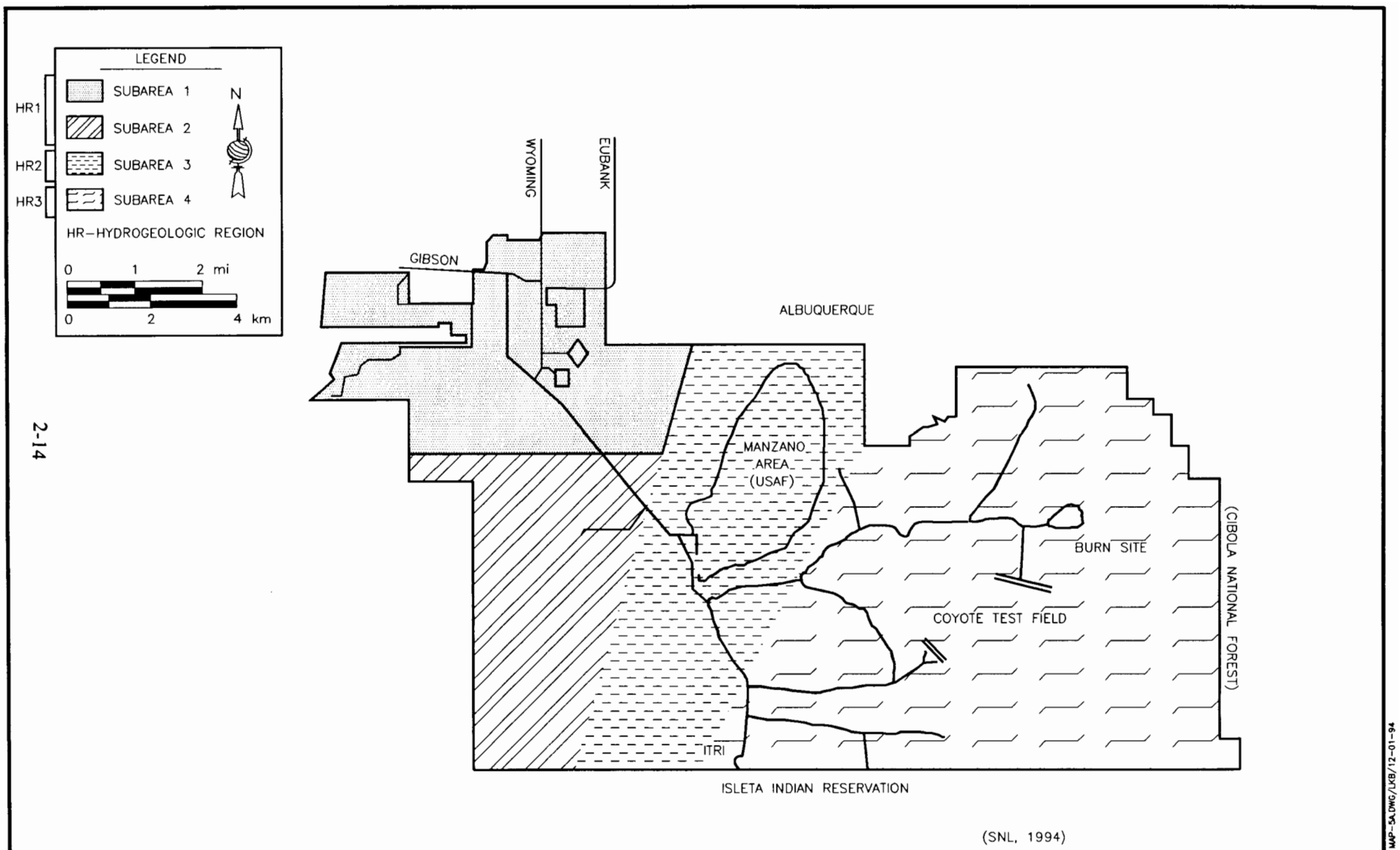
2-13

MAP-8A.DWG/LB/12-01-94

GEOLOGIC FAULTS WITHIN KIRTLAND AIR FORCE BASE

FIGURE 2-8

RCRA FACILITY INVESTIGATION
STAGE 2D-1
KIRTLAND AIR FORCE BASE, NEW MEXICO



LOCATIONS OF HYDROGEOLOGIC ZONES

FIGURE 2-9

RCRA FACILITY INVESTIGATION
STAGE 2D-1
KIRTLAND AIR FORCE BASE, NEW MEXICO

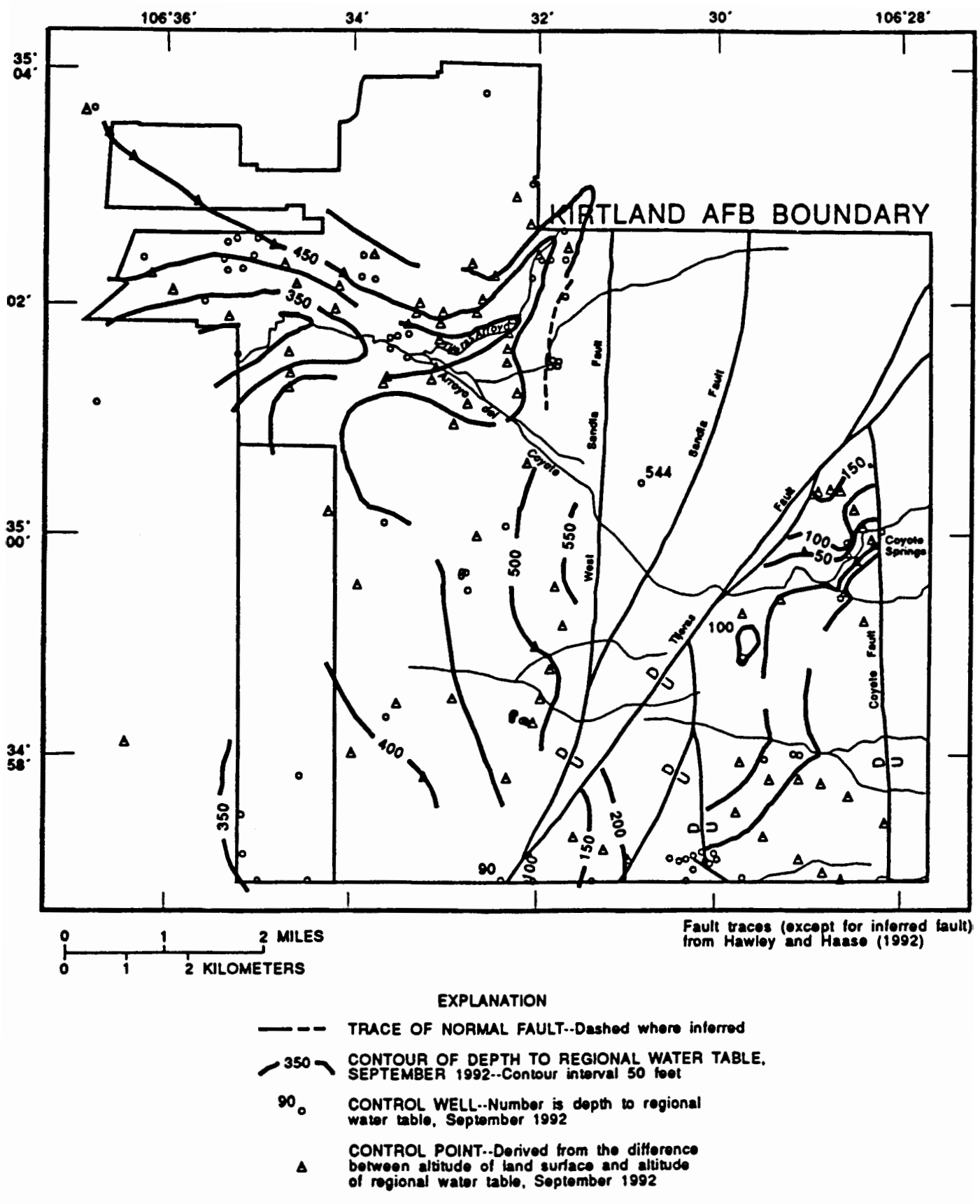


Figure 2-10. Generalized Depth to Groundwater for Kirtland Air Force Base, September 1992

to the local water table. Given the heterogeneity associated with aquifer sediments and the potential for monitor wells to be screened in different hydrogeologic units, flow directions within the aquifer may vary considerably at the local scale.

HR2 straddles the Tijeras/Hubbell Springs/Sandia Fault complex. The saturated zone hydrogeology is characterized by the juxtaposition of high- and low-permeability materials as a result of vertical offset due to faulting (Thorn et al., 1993). East of the fault zone, depth to groundwater is relatively shallow and static water level elevations are 5,710 ft amsl (Figure 2-7). Immediately to the west of the inferred fault trace, depth to water is considerably greater, with water levels recorded at 485 ft bgs, corresponding to elevations of 4,935 ft amsl and 4,920 ft amsl, respectively. Very little is known about groundwater flow in this subregion.

The influence of the fault complex may suggest two distinct groundwater zones: One is adjacent to the mountains and the other west of the faults with the predominant flow to the west. Recharge to the main basin aquifer would occur as overflow across the faults. The resolution of groundwater flow in the vicinity of the faults is essential to the issue of recharge to the basin groundwater system as well as local contaminant migration.

HR3, Subarea 4, is located in the eastern portion of the area occupied by Kirtland AFB. The bedrock stratigraphy is inferred from outcrops to the south. Along the piedmont slope, the bedrock is mantled by a thin veneer of alluvial material. Depth to groundwater is approximately 90 to 100 ft bgs as measured by monitor wells installed by the Inhalation Toxicology and Research Institute (ITRI) along the southern edge and in the central portion of this subregion. Near the foothills, groundwater probably occurs in shallow alluvial aquifers underlying the drainages emerging from the mountains and multiple confined bedrock aquifer systems. This model is particularly appropriate to the canyons that extend east of the mountains, as evidenced by numerous springs emerging from the mountain slopes. Most of these flow only seasonally, but Coyote Springs near the mouth of Coyote Canyon is a perennial spring. Several wells in the canyons and along the foothills produce water from fracture systems in the granite bedrock. Production is limited and water quality varies. Some of the water is not potable due to high concentrations of naturally occurring uranium associated with the granitic bedrock.

2.5.2 Vadose Zone Hydrogeology

Information pertaining to the vadose zone hydrogeology was obtained from Site-Wide Hydrogeologic Characterization Reports prepared by SNL during 1992 and 1993.

The vadose (or unsaturated) zone is the region located between the land surface and the groundwater system (the saturated zone). The vadose zone provides the link between surface water hydrology (processes associated with precipitation, snow melt, runoff, infiltration, overland flow, and evapotranspiration) and groundwater hydrogeology (processes associated with the flow and transport processes in aquifer systems) (Gee and Hillel, 1988).

The vadose zone is an important part of the hydrogeologic system in the Kirtland AFB area. The vadose zone thickness in this area is large, ranging from 50 ft to greater than 500 ft. Most contaminants released near the ground surface would have to travel a long distance before reaching the groundwater system. Dispersive effects in the vadose zone could act as a diluting influence on contaminant concentrations prior to the point when, or if, contaminants reach the water table.

The vadose zone generally consists of unconsolidated valley-fill deposits, and underlying unconsolidated and semiconsolidated sands, gravels, silts, and clays of the Santa Fe Group. On the west side of the Base, the valley fill is composed of highly heterogeneous alluvial fan, fluvial, and aeolian deposits. In the eastern portion of the Base, within the Manzanita Mountains, the vadose zone is, in part, composed of bedrock materials of relatively low permeability, but highly fractured.

Flow and transport processes in the vadose zone are highly dependent on many other facets of the hydrogeologic setting such as climate, geomorphology, vegetation, geology, and the location of the saturated zone. The climate of the Kirtland AFB area is characterized by low precipitation, wide temperature extremes, frequent drying winds, some heavy rain showers (usually of short duration, often with erosive effects), erratic seasonal distribution of precipitation, and high evapotranspiration. These conditions imply a low recharge rate to the groundwater system from areal infiltration. Due to the complexity of the environmental setting of the Kirtland AFB area, detailed basewide flow and transport processes in the vadose zone are still poorly understood.

2.6 Potable Water Supply

Groundwater is pumped from wells for public, irrigation, industrial, commercial, domestic, and livestock uses. Wells having large yields usually penetrate at least 200 ft into water-bearing materials. The municipal water system of the City of Albuquerque is supplied from wells ranging in depth from 65 to 1,284 ft. In 1985, the average daily pumpage in Albuquerque was 274 acre-ft. Several schools, hotels, hospitals, public buildings, and government installations in and near Albuquerque are supplied with water from privately and institutionally owned wells. Many industries and commercial institutions obtain their water from private wells. Many wells are used to irrigate small farms and gardens. An inventory of large capacity wells owned by Kirtland AFB and

the City of Albuquerque and their locations was taken in the Phase I study. Locations of production wells and monitoring wells are shown in Figure 2-11.

2.7 Population and Land Use

Kirtland AFB is bounded to the north and west by the City of Albuquerque and its suburbs, to the south by the Isleta Indian Pueblo, and to the east by the Cibola National Forest. Land use in the vicinity of Kirtland AFB varies from urban to open rangeland (Figure 2-12). The area immediately north of Kirtland AFB is predominantly urban. To the northeast and east are open spaces and forest land. Land use to the west of Kirtland AFB is a mix of urban, industrial, and agricultural areas. The Isleta Indian Pueblo lands to the south and southeast of Kirtland AFB are mostly open space and forest.

Population distribution in the vicinity of Kirtland AFB is shown in Figure 2-13. In 1990, the population of the Albuquerque metropolitan area was about 480,000. The unincorporated Rio Grande Valley to the south of Albuquerque and west of Kirtland AFB had a population of about 36,000. The population is extremely sparse to the south on the Isleta Pueblo as well as to the east in the Cibola National Forest and Manzanita Mountains. Most of the Isleta Pueblo population is concentrated about 8 to 12 mi southwest of Kirtland AFB.

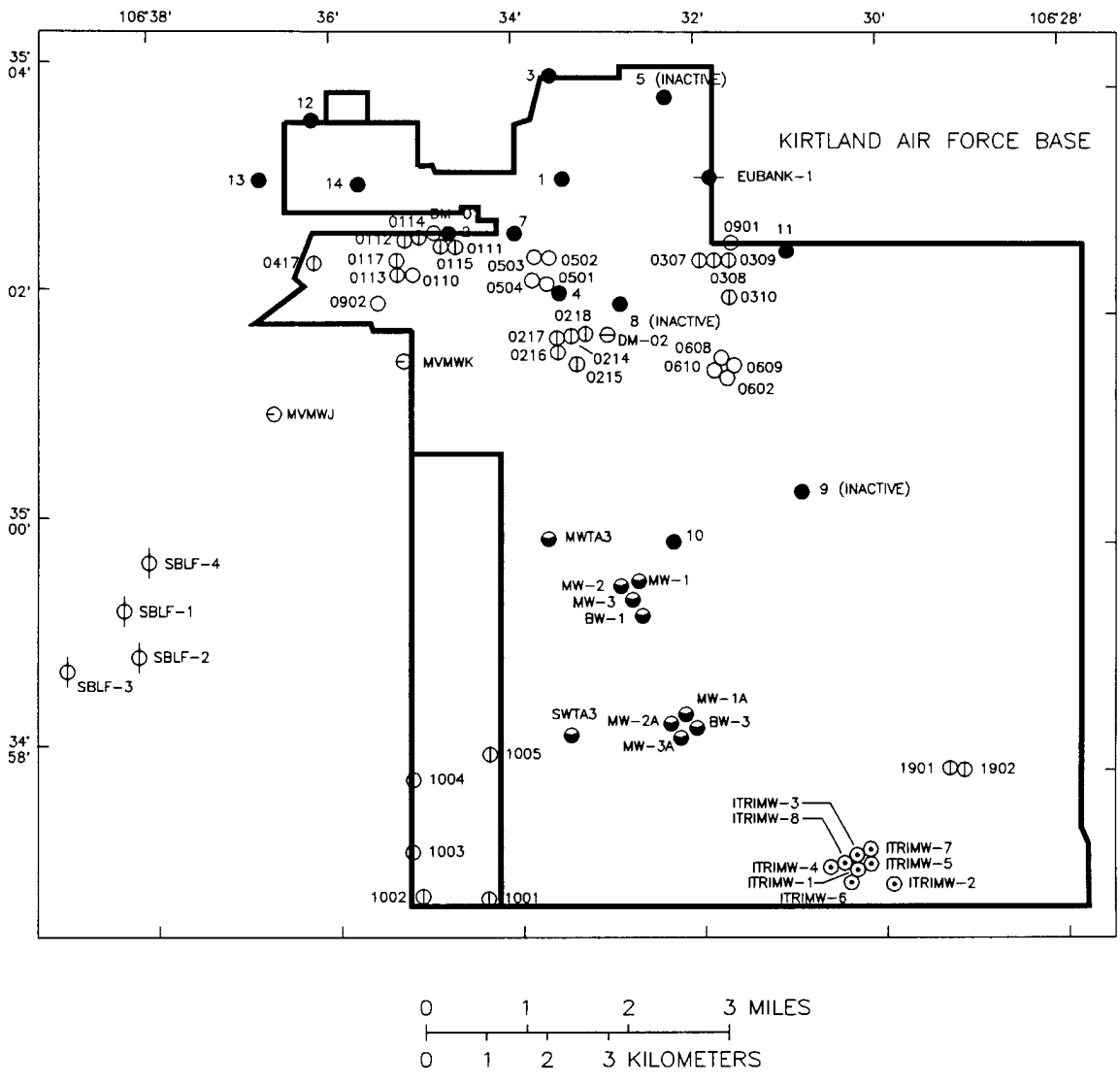
Kirtland AFB contains over 52,000 acres of land with more than 800 buildings and 5.6 million ft^2 of floor space (Engineering Science, 1981). The 377th ABW has 2,522 employees whose mission is the support of nearly 21,000 people who work for Kirtland's tenant units (Paseur, 1994).

2.8 Biological Resources

2.8.1 Vegetation

The vegetation on Kirtland AFB can be classified into two basic ecological associations: the Piñon-Juniper Association and the Grassland Association. The vegetation on the upper slopes of Manzano Base and on the lower slopes of the Manzanita Mountains is primarily the Piñon-Juniper Association. The Piñon-Juniper Association has a lower elevation limit of 5,800 ft, with Colorado piñon pine and the one-seed juniper co-dominants in this association. The understory in this association is dominated by grasses and shrubs. The Grassland Association has an upper elevational limit of 5,800 ft. Within this association are more than 50 species of grasses, but only a small number of these are abundant. Dominant species include black grama, sand muhly, threeawn, Indian ricegrass, six-weeks grama, fluff grass, and spike dropseed. Several shrubs are also common in the Grassland Association.

RCRA FACILITY INVESTIGATION
STAGE 2D-1
KIRTLAND AIR FORCE BASE, NEW MEXICO



EXPLANATION

- CITY OF ALBUQUERQUE MONITORING WELL AND WELL IDENTIFICATION
- OTHER MONITORING WELL (USGS) AND WELL IDENTIFICATION
- INHALATION TOXICOLOGY RESEARCH INSTITUTE (ITRI) MONITORING WELLS (8 WELLS)
- KIRTLAND AIR FORCE BASE PRODUCTION WELL AND WELL IDENTIFICATION
- STAGE 1 IRP MONITORING WELL AND WELL IDENTIFICATION
- STAGE 2 IRP MONITORING WELL AND WELL IDENTIFICATION
- STAGE 2A IRP MONITORING WELL AND WELL IDENTIFICATION
- NEW MEXICO ENVIRONMENTAL DIVISION MONITORING WELL AND WELL IDENTIFICATION
- SANDIA NATIONAL LABORATORIES MONITORING WELL AND WELL IDENTIFICATION

FIGURE 2-11

LOCATIONS OF
MONITORING WELLS AND
PRODUCTION WELLS
AT KIRTLAND AIR FORCE BASE

(USGS, 1993)

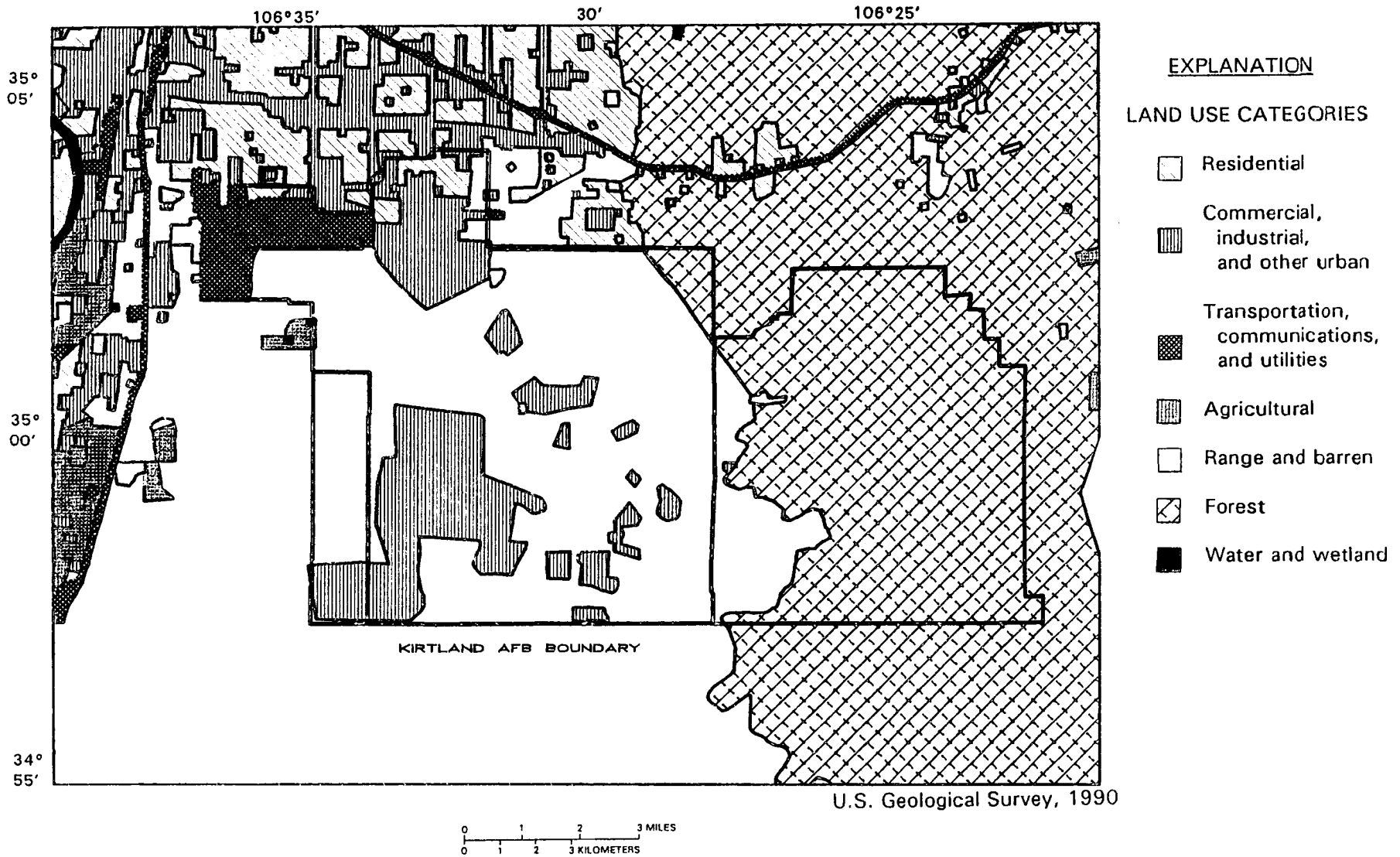


Figure 2-12. Land Use in the Vicinity of Kirtland Air Force Base

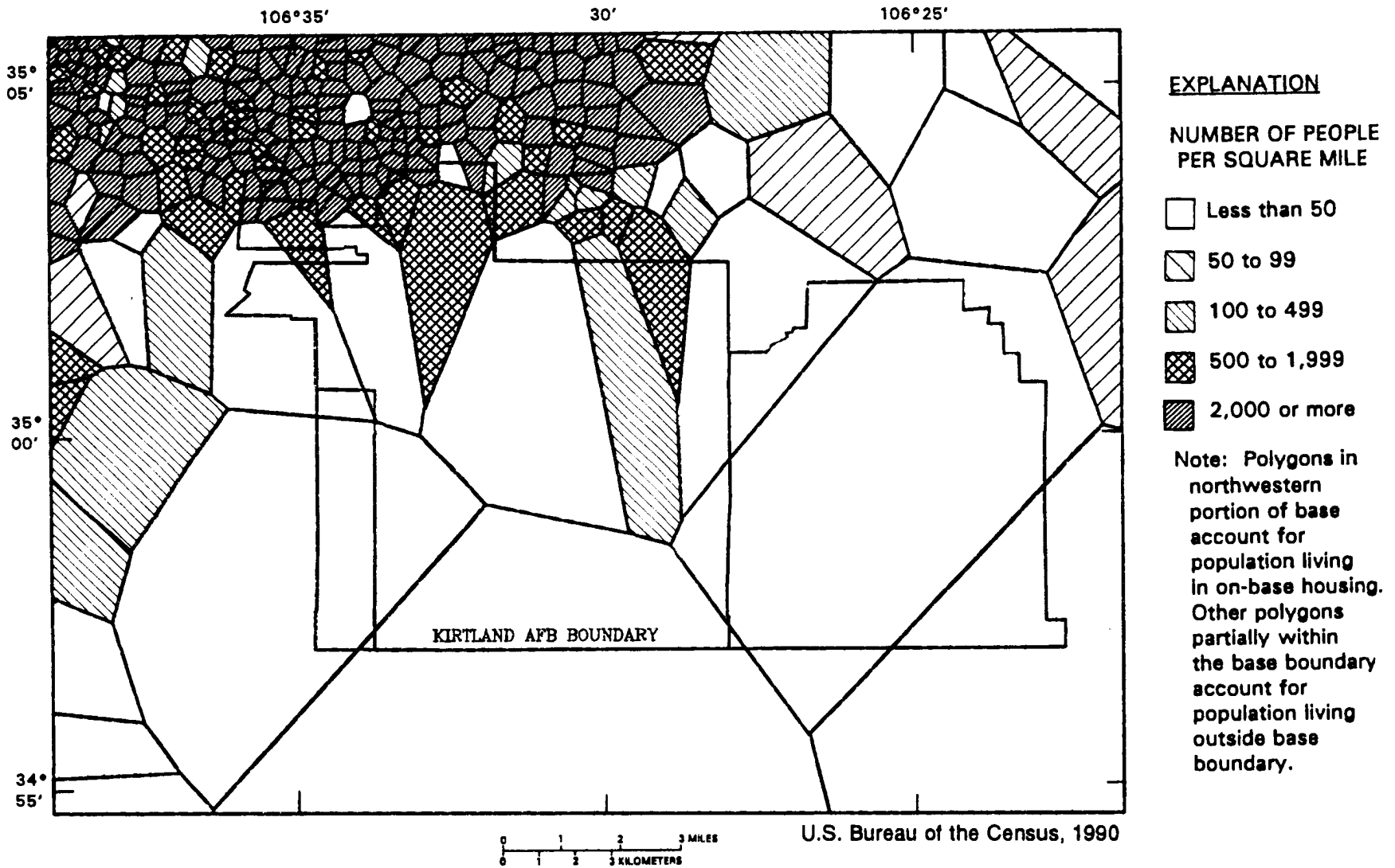


Figure 2-13. Population Density in the Vicinity of Kirtland Air Force Base

2.8.2 Wildlife

Wildlife on and in the vicinity of Kirtland AFB is associated with xeric habitats which seasonally support a narrow range of species. In light of the lack of competition from livestock, animal populations that feed on grasses and other range plants are abundant. Evidence supporting this contention is apparent in the sightings of numerous rodent burrows and mule deer, which descend to this zone from higher elevations in winter. Below the Manzanita Mountain foothills (part of the Base), occasional sightings of coyotes occur.

Birds are the most commonly seen wildlife on Kirtland AFB. In the Grassland Association, most often seen species are horned larks, meadowlarks, thrashers, predatory birds (hawks, owls, vultures), several species of sparrows, scaled quail, and mourning doves. Scrub jays, plain titmouse, bushtits, woodpeckers of several species, and warblers occur in the Piñon-Juniper Association as year-round residents.

2.8.3 Threatened and Endangered Species

An in-progress report documents the findings of a threatened and endangered species survey of Kirtland AFB [University of New Mexico (UNM), 1994]. The potential habitat was surveyed for four plant species of concern; animal species surveys were conducted for the presence of northern goshawk, peregrine falcon, and gray vireo.

The plant species survey included potential habitat within undeveloped portions of land on the main base and the western foothills of the Manzanita Mountains. Species considered rare included *Pediocactus papyracanthus*, *Mammillaria wrightii*, *Neolloydia intertexta*, and *Amsonia fugatei*. These species were surveyed on 2,240 acres. The counts observed yielded the following data:

Plant Species	Occurrences
Pediocactus papyracanthus	89
Mammillaria wrightii	14
Neolloydia intertexta	4,834
Amsonia fugatei	0

Rare plant data for the sites under consideration for this RFI (Sites RB-11 and RB-07) were extracted from the 1994 UNM Report. At Site RB-11 (T9 north, R4 east, S16), none of the four plant species was observed within 80 acres of surveyed land. For Site RB-07 (T9 north, R4 east, S12), 120 acres were surveyed, with 1 *M. wrightii* and 86 *N. intertexta* plants observed.

The animal species surveys were conducted in phases. Methods of study used to identify habitat included the examination of aerial photographs and topographic maps, as well as site reconnaissance.

The peregrine falcon is a listed threatened and endangered species whose closest known breeding ground is in the northern margin of the Sandia Mountains. These birds require tall cliffs (usually over 50 meters) for nesting and hunting. No evidence of peregrine falcon nesting was found during the 1993 surveys (UNM, 1994). The habitat is marginal, at best, for peregrine falcon nesting on Kirtland AFB.

The gray vireo is listed by the State of New Mexico as an endangered species. Its habitat, the arid scrub woodland on foothills and mesas, has a highly localized occurrence in the state. All habitat considered to be potential for breeding gray vireos was surveyed; of these, 24 territorial males (13 paired with females) were detected on Kirtland AFB and the Forest Service Withdrawal Area (UNM, 1994). Summering gray vireos were found in ungrazed Juniper woodland at the base of the foothills (elevation 5,900 to 6,600 ft) of the Manzanita Mountains.

Northern goshawk are uncommon breeders in central New Mexico; generally they require mature stands of large conifers with a fairly closed canopy and open understory. During 2 days of surveys, no evidence of northern goshawk nesting was found (UNM, 1994). Overall, it appears that no suitable goshawk habitat exists on Kirtland AFB.

2.8.4 Sensitive Habitat

Sensitive habitat includes wetlands, plant communities that are unusual or of limited distribution, and important seasonal use areas for wildlife (such as migration routes, breeding areas, or crucial summer or winter habitats).

No streams or lakes exist on Kirtland AFB, and moist habitat is essentially nonexistent for either breeding or migrating wildlife. As such, sensitive habitat does not appear to be prevalent at Kirtland AFB.

3.0 Investigation Procedures

3.1 Field Procedures

The field investigation and the analytical results provide a basis for assessing the environmental conditions and the presence or absence of environmental contamination at Kirtland AFB Sites RB-11 and RB-07. This section presents the general sampling operations and procedures used during the field portion of the Kirtland AFB RFI. These procedures followed the Stage 2B and 2C Work Plans, Sampling and Analysis Plans (SAPs), and the Quality Assurance Project Plans (QAPjPs), which were prepared in accordance with US Air Force Center for Environmental Excellence (AFCEE) IRP guidance (1991 and 1993, respectively). Deviations from the approved plans are discussed in Section 3.2.

Surface and subsurface soil samples were collected from Kirtland AFB Sites RB-11 and RB-07. Both sites had received chemical and radiological wastes. A surface radiation survey at both sites and, in the case of RB-11, a geophysical survey, were conducted prior to initiating intrusive sampling activities. Following this initial screening, soil sampling was conducted using stainless-steel trowels and spoons, stainless-steel hand augers, or the Geoprobe sampling system. Table 3-1 presents the chemical and radiological analyses performed, along with the respective test methods for both sites under study.

3.1.1 Radiological Screening Survey

3.1.1.1 Instruments

Three different instruments were used for radiological screening of RB-11 and RB-07. A Ludlum Model 19 meter was used for initial and periodic general area radiation level monitoring of the sites. The Model 19 meter has an internal sodium iodide (NaI) detector for measuring gamma radiation. A Ludlum Model 12 count rate meter was used for monitoring soil samples and various objects for beta-gamma contamination. A Ludlum Model 3 survey meter was used to monitor the soil samples for alpha contamination.

All radiation instruments had initial primary calibrations performed at the vendor facility and were response checked daily on all settings using a Cs-137 button source for Models 19 and 12, and a thorium source for Model 3. These response checks were recorded daily in a log.

Table 3-1. Summary of Samples Collected and Analytical Methods

Parameter	Analysis	Site RB-11[a]		Site RB-07[a]	
		Solid	Aqueous	Solid	Aqueous
VOCs	SW 8240	168	29	12	2
SVOCs	SW 8270	168	14	--	--
TPH	SW 8015	168	14	--	--
Metals	SW 3050/6010	168	14	--	--
Lead	SW 7421	--	--	14	2
Mercury	SW 7471	168	14	--	--
Cyanide	SW 9010	168	14	--	--
Tritium	A 708	--	--	14	2
Cadmium	SW 7131	--	--	14	2
Radium 226	SW 9315	168	14	--	--
Radium 228	SW 9320	168	14	--	--
Gross Alpha	SW 9310	168	14	14	2
Gross Beta	SW 9310	168	14	14	2
Gamma Spectrometry	A 701C	--	--	14	2
Soil Moisture	D 2216	168	--	14	--
Soil pH	SW 9045	168	--	14	--

a. Field duplicate samples are not considered discrete samples.

3.1.1.2 Screening Survey of the RB-11 Site

The initial site radiological survey took place before the geophysics survey began at RB-11 (see Section 3.1.2, Geophysical Survey). Since previous radiological surveys had revealed nothing above background radiation levels, it was decided that this survey would cover all soil depressions, ant hills, and random areas of the site. The Model 19 (beta-gamma) meter was the primary instrument used during this survey. No radiation above background levels (18-20μR/hr) was detected.

The Model 12 beta count rate meter was the primary instrument used during the drilling process to survey the Geoprobe equipment and subsequent soil samples for contamination. The probe was checked upon extraction from the hole, and each soil tube was screened upon opening the acetate wrapper around the brass tubes (see Section 3.1.4, Subsurface Investigations). The Model 3 alpha survey meter was also used at this time to ensure that alpha contamination was not detected in the soil samples. No contamination or radiation levels above background (80-100 cpm, beta-gamma; 0 cpm, alpha) were detected during the entire drilling operation. The mercury vapor analyzer was operated near the boreholes after each sample collection, with no mercury being detected.

Equipment decontamination was performed after each completed hole (see Decontamination Procedures, Section 3.1.6). Immediately after each equipment decontamination, the decontamination pad was surveyed with all three instruments. The Geoprobe was also surveyed. At the end of each work day, the tires of all vehicles leaving the site were surveyed and the hands and feet of all personnel were checked for contamination. No contamination was detected on any vehicles or personnel during the entire drilling operation.

3.1.1.3 Screening of the RB-07 Site

The entire fenced area of RB-07 (50 ft wide by approximately 210 ft long) was initially surveyed using Model 19 and 12 meters. No radiation above background levels was detected.

All soil samples at RB-07 were collected using stainless-steel spoons and trowels, or by hand auger. Count rate and alpha survey meters were used to check the sampling equipment and soil samples for contamination. Since the soil samples were actually collected manually and put into containers, personnel and the outside of the containers were also checked. No contamination or radiation levels above background were detected during sample collection.

The sampling equipment was manually decontaminated, with personnel and equipment being surveyed after decontamination by count rate and alpha survey meters. No contamination was detected.

3.1.1.4 Screening Survey of the Soil Samples

The soil sample containers were screened for radioactivity in accordance with the conditions and limitations specified in 49 CFR 173.421 for exempted radioactive material, limited quantity (n.o.s., UN2910), before being sent to the laboratory for analysis. The Ludlum Model 12 count rate meter was used to perform this function with sample numbers and description of each sample listed on the limited quantity log that was sent with the shipments. No contamination or radiation levels above limited quantity values were detected on any of the sample shipments.

3.1.2 Geophysical Survey

To delineate the boundaries of trenches at RB-11, a geophysical survey was performed using ground-penetrating radar (GPR) and electromagnetic survey instruments (EM-31 and EM-61). These surveys provided data on the presence of magnetic anomalies buried within the trenches and helped to define the limits of areas where no trenching or disposal activities had occurred. Geophysical survey data were subsequently used to locate surface and subsurface soil sampling locations. Because the objective of the study at RB-11 was to investigate potential migration of buried waste, soil samples were only collected from those areas determined to be adjacent to or beyond the extent of the trenches. No sampling was conducted within areas of known or suspected trenching activities and waste disposal.

Results of the geophysical surveys conducted at RB-11 are presented in Section 4.2.3.2. Included in Appendix D is a full report of the geophysical investigation.

3.1.3 Surface Investigations

Surface soil sampling was conducted at RB-11 and RB-07 to obtain representative samples of superficial soil and sediment at these sites. Samples were collected using decontaminated stainless-steel spoons or trowels (see Section 3.1.6 for a discussion of decontamination procedures) and were placed in glass jars received from the laboratory. The glass jars were then placed in plastic, resealable bags and stored on ice in a cooler prior to overnight shipment.

Surface soil samples were collected over a depth range of 0 to 6 in. below surface at the sampling locations, except in instances where a firm, impenetrable layer existed at a depth of

less than 6 in. At these locations, surface soil samples were collected within the interval from the surface to the top of the firm layer.

Surface soil samples collected as field replicates or for Matrix Spike/Matrix Spike Duplicate (MS/MSD) analysis were placed into a decontaminated stainless-steel bowl and were homogenized. After physical mixing of the soil with the spoon or trowel sufficient to ensure adequate homogeneity, the samples were quartered and sample splits taken. This process ensured that representative portions of both the fine and coarse fractions of the soil (if present) were included within the sample aliquot, thus mitigating the potential for bias based on grain size.

The procedure described in the preceding paragraph was not effected for sample aliquots designated for volatile organics analysis, however, because the homogenization process included within this procedure could result in the loss of volatile constituents from the soil. Instead, the soil was placed directly into the appropriate sample container, ensuring that representative portions of the entire vertical sample interval were included. This process was also employed at sample locations where collection of replicate or MS/MSD samples was required.

For all subsurface soil samples collected, field screening was conducted with an organic vapor meter [photo ionization detector (PID) and/or a flame ionization detector (FID)] to indicate the possible presence of chemical contamination. On a daily basis, these organic vapor detection instruments were calibrated and readings recorded. Similarly, radiological screening was conducted on the samples and in the vicinity of the sample location using a NaI gamma radiation meter and a NaI beta-gamma radiation meter. Instrument readings were recorded in the field logbook and on each borehole logsheet.

3.1.4 Subsurface Investigations

Subsurface soil sampling was conducted at RB-11 and RB-07 to obtain representative samples of near surface soil at these sites. At RB-07, samples were collected using decontaminated stainless-steel hand augers; at RB-11 the Geoprobe sampling system was used (see Section 3.1.6 for a discussion of decontamination procedures).

Subsurface samples were collected at RB-11 over a depth range of 0 to 34 ft below grade using the Geoprobe. The Geoprobe is a hydraulically-driven, truck-mounted soil sampling system that utilizes static force and percussion to drive sampling tools into the subsurface to collect soil samples with minimal waste generation. The core sample collection device (large-bore sampler)

consists of a hollow steel sampling tube (24-in. length and 1.375-in. inside diameter) fitted with a cutting shoe and retractable drive point at the leading end and a threaded joint at the other end. Four decontaminated brass tubes (6-in. length) wrapped in an acetate sheath were fitted within the large bore sampler. Threaded rods (36-in. length and 1-in. outside diameter) were attached to the sampler in succession to advance the sampler to the desired depth. Once the sample tube had reached the sample collection depth, the drive point was retracted, and the hollow sampling tube was advanced an additional 2 ft for soil sample collection. The sampler was then withdrawn from the hole and the brass sleeves containing the soil samples were removed from the sampler.

Each soil tube was field-screened (PID and/or FID) upon opening the acetate wrapper around the brass tubes (see Section 3.1.4, Subsurface Investigations). Similarly, radiological screening was conducted on the samples and in the vicinity of the sample location using a NaI gamma radiation meter and a NaI beta-gamma radiation meter. At RB-11, a Jerome mercury vapor meter was used to screen the borehole for the presence of potential mercury vapors. The Jerome meter was factory calibrated prior to field use, and each day the detection system was thermally cleaned by an internal instrument function. Instrument readings were recorded in the field logbook and on each borehole logsheet.

Soil samples were not extracted from the brass tubes in the field. The open ends of the tubes were screened as explained above. Following sample screening, the individual 6-in. brass tube ends were covered with 2- in. by 2- in. squares of 0.003-in.-thick Teflon tape and sealed with vinyl caps. Samples were then placed in plastic, resealable bags and stored on ice in a cooler prior to overnight shipment.

3.1.5 Borehole Abandonment

Following the completion of subsurface soil collection, each borehole was abandoned using bentonite clay and water. The boreholes were backfilled with bentonite chips to within 6 in. of the surface, hydrated, and finally completed with a concrete cap. A short (2-in.) standpipe of schedule 40 polyvinyl chloride (PVC) was placed in the wet concrete to serve as a landmark for survey activities.

3.1.6 Decontamination Procedures and Waste Handling

Decontamination Procedures

In accordance with IRP Handbook guidance, all sampling equipment was fully decontaminated prior to use for sample collection. Water supply for all field operations, including

decontamination activities, was provided from on base potable water sources. Temporary decontamination facilities were constructed at RB-11, while double-lined containers were brought to RB-07 for decontamination fluid collection.

General decontamination activities for RB-11 were as follows: For Geoprobe drilling equipment, all external surfaces received a high-pressure, hot water (potable) wash with Liquinox detergent. A high-pressure rinse of hot water followed the washing, and subsequent air-drying completed the Geoprobe decontamination process. To minimize the potential for cross-contamination, this decontamination procedure was effected prior to mobilizing the Geoprobe to successive borehole locations.

Prior to use, decontamination activities for sampling equipment (e.g., stainless-steel bowls/spoons, large-bore samplers, brass tubes, hand augers) were conducted as follows: Equipment was washed with a solution of potable water and Liquinox detergent, followed by a potable water rinse. A triple rinse followed washing, consisting of an American Society of Testing Materials (ASTM) Type II water rinse, pesticide-free grade methanol rinse, and finally a pesticide-free grade hexane rinse. Time was allowed for the air-drying of all sampling equipment, which was subsequently wrapped in aluminum foil for storage. These procedures were followed for soil sampling activities conducted at both RB-11 and RB-07.

Waste Handling

Although the Geoprobe sampling system generates only a small fraction of the drill cuttings normally produced during alternative methodologies, a small amount of soil accumulated for each borehole completed. This soil material, along with gloves, acetate wrappers, and paper towels, was placed in one-gallon, plastic, resealable freezer bags and containerized in new, unused drums. These US Department of Transportation (DOT)-approved, 55-gallon drums were labeled according to contents, date of collection, site and borehole numbers, generator's name, and the words, "pending sample analysis." While awaiting the results of analytical characterization, the drums were transported to the designated temporary storage bunker. Placement of potentially contaminated materials from various boreholes into separate, plastic, resealable bags allows for subsequent separation of contaminated and non-contaminated materials upon receipt of analytical results, thus minimizing the volume of contaminated material disposal.

Wastewater was generated during equipment decontamination procedures. Waste fluids were containerized in new, unused 55-gallon drums and labeled according to contents, site designation and sequential drum number, generator's name, and the words, "pending sample analysis."

While awaiting the results of analytical characterization, the wastewater drums were transported to the designated temporary storage bunker.

3.1.7 Land Surveying

Following completion of surface and subsurface soil sampling, locations were surveyed during the field effort of the Stage 2D-1 investigation. Albuquerque Surveying, Co., Inc., a New Mexico registered land surveyor, conducted a third-order survey of all sampling locations. Each sampling location was surveyed to the nearest 0.10 ft horizontally and vertically. Existing survey monuments within Kirtland AFB were used as reference points. Vertical elevations were referenced to the 1929 North American Vertical Datum. Horizontal locations were surveyed to the Kirtland AFB coordinates that are tied to the New Mexico State Plane Coordinate System. Appendix E includes the ground survey report for all surveyed locations.

3.1.8 General Sampling Operations and Sample Handling

All samples were obtained in accordance with the requirements of the Handbook to Support the Installation Restoration Program (IRP) Statements of Work, Volume I, Remedial Investigation/Feasibility Studies (RI/FS), May 1991 (IRP Handbook). In addition to sample custody responsibilities, sample handling includes the selection of appropriate containers and preservatives, collection of required sample volume, and the management of holding times required of the analyses requested. Table 3-1 presents the analyses performed, including the extraction and analytical method, for all samples collected at RB-11 and RB-07. The QAPjP was referenced as guidance for sampling operations and sample handling.

Sample Identification System

A sample identification system was used to uniquely identify each sample taken during the facility investigation. At the time of sample collection, each container was affixed with an adhesive-backed sample label indicating its sample code, location, date and time of collection, analytical methods requested, and preservative. This coding nomenclature included specific information pertaining to sample matrix, site number and borehole location (where applicable), and depth (where applicable). For quality control (QC) samples (e.g., equipment blanks, ambient conditions blanks, trip blanks, and replicates), other unique identifiers were included in the sample code. All duplicate and replicate samples were sent blind to the laboratory. (See Section 3.2, Deviations from the Work Plan, for a description of sample codes used.) As samples were received by the laboratory for analysis, they were assigned a unique laboratory identification number through a computerized laboratory information management system (LIMS). Hard copy

and electronic data provided by the laboratory included both field and laboratory identification codes.

Sample Packaging, Shipping, and Documentation

Samples were packaged and shipped in accordance with USEPA, DOT, and 1991 IRP Handbook standards. The individually bagged samples were sent to the laboratory in coolers packed with vermiculite and "blue ice." A container of laboratory water, which served as a temperature blank, was included in each shipment for temperature measurement upon receipt. Custody seals were affixed to each cooler, and strapping tape was applied to the lid and drainage port. Each sample shipment included a completed chain-of-custody form, the AFCEE sample logsheet form, and limited quantity radiation log sheets (see Section 3.1.1.4).

Sample custody was maintained and documented per Kirtland AFB Stage 2B Work Plan Sections 1.6.2.1 and 2.3.2, with the following exception: Sample condition upon receipt at the laboratory was visually noted and documented rather than photographically as indicated in SAP Section 1.6.2.1. Visual inspection and notation of anomalies, with subsequent documentation on chain-of-custody forms, and verbal notification were found to meet project data quality requirements without the additional photographic cost. Custody, which began with the collection of the samples in the field, was relinquished to Federal Express for delivery. Use of the custody seals ensured that any tampering with samples during shipment to the analytical laboratory would be detected; there were no such occurrences. Copies of the chains-of-custody generated during the field investigation appear in Appendix F.

The field operations leader was responsible for the completion of the following forms:

- Sample labels
- Chains-of-custody
- Shipping labels
- Chain-of-custody seals
- Federal Express Airbills
- AFCEE sample log forms

3.2 Work Plan Deviation

There were no major deviations from the Work Plan which would compromise data quality regarding decision-making. Deviations to the portion of the Stage 2B Work Plan and/or the Stage 2B Sampling and Analysis Plan pertaining to RB-11 occurred during the Stage 2D-1

investigation. The initial set of deviations from the Stage 2B Work Plan are associated with USEPA requirements issued as approval comments based on review of the Work Plan. These include the following:

- The five, 50-foot geologic characterization coreholes were not drilled at this initial phase of the investigation.

- The number of background holes was reduced from four to two.

- The 36 holes drilled to characterize the trenches were sampled at 5-foot intervals to the bottom of the trench and then 10 feet below the bottom of the trench.

Additional deviations to the proposed Work Plan for RB-11 that were not associated with USEPA comments include the following:

- The results of a geophysical survey performed at RB-11 indicated that only 9 trenches were present instead of the 10 trenches previously thought to exist. This effectively changed the preliminary sampling plan to allow for 1 less trench site, but the total number of sampling sites remained at 36. The four sampling sites associated with the unsubstantiated trench (previously Trench 10) were relocated. Additionally, only one sampling site could be located between Trenches 2 and 3 so the second sampling site was relocated. A more detailed description of the deviations to the work plan as a result of the geophysical survey is contained in Section 3.1.2 of this report.

- All of the soil samples were submitted to the analytical laboratory within brass sampling tubes. As originally proposed, soil samples would be extruded in the field from the core barrel directly into a sample container except for volatile organic compound samples, which require a California brass ring or equivalent sampler. This deviation was discussed and approved in a March 31, 1994, telephone conversation with the USEPA. A memorandum to the file documented this deviation.

- As stated in the Work Plan, replicates were collected by placing the soil in a stainless-steel tray and dividing the soil into two equal parts with a stainless-steel trowel. Given the large volume of soil required to form a complete sample suitable for analysis and the relatively short vertical sampling interval, it was necessary to drill parallel borings (separated from each other horizontally by approximately 1 ft) to obtain sufficient soil volume for replicate and MS/MSD soil samples.

- It was originally proposed to collect additional QC samples to include the testing of SVOCs and VOCs that may have leached from rubber gloves. Due to the media of the samples collected (soil versus liquid), SVOCs and VOCs leaching from the rubber gloves was not a concern; as such, the collection of additional QC samples for this purpose was not required.

- Additional samples were originally intended to be taken for second column analyses for pesticides and herbicides to confirm positive results. Considering that neither pesticides nor herbicides were included in the original suite of parameters for analysis at this site, it was not pertinent to obtain additional samples for second column analyses.

- The sample identification system detailed in the Stage 2B Sampling and Analysis Plan uses a 12-character string of letters and numbers. For example, the field sample identification number **KAFB160103-1** signifies the following:

  - **KAFB** denotes Kirtland Air Force Base.
  - **16** denotes site number.
  - **01** denotes the borehole number.
  - **03** denotes the sample number.
  - **-1** denotes the soil sample.

  However, the following is an example of the sample identification nomenclature actually effected during this investigation. The sample identification **KAFB-RB11-01-0307** signifies the following:

  - **KAFB** denotes Kirtland Air Force Base.
  - **RB11** denotes Site RB-11.
  - **01** denotes Boring # 01.
  - **0307** denotes the sample depth interval, below grade, in feet (3-7 ft).

- The Sampling and Analysis Plan called for radiation scanning to be performed with a Victoreen model 490 Thyac III general purpose survey meter. During the investigation, however, radiation scanning was performed using Ludlum Instrument Model 12 and 19 survey meters.

- A low-intensity uranium beta source was originally proposed to be used to verify the correct operability of the radiation meter. Instead, a cesium-137 source was used for verification.

3.3 Data Quality Objectives

Data quality objectives (DQOs) are qualitative and quantitative statements regarding the quality of data needed to support the RFI activities. They are derived from a programmatic evaluation of needs for collection and management of the environmental samples, and analytical precision and accuracy requirements. The USEPA DQO process (USEPA, 1987, revised 1993) provides a methodology to ensure that the type, quantity, and quality of environmental data are appropriate for the intended application.

The DQO process was effected as part of the Kirtland AFB RFI; it included the subsequent preparation of a SAP, a Field Sampling Plan (FSP), and a QAPjP. DQOs for the Stage 2D-1 RFI were based on analytical precision and accuracy requirements, instrument detection limits, control limits for matrix spike/matrix spike duplicates, and relative percent difference (method-specific) requirements. In accordance with the Kirtland AFB RFI planning documents (SAP, FSP, QAPjP), DQOs were as follows:

- Data collection and management in accordance with USEPA and IRP guidance
- Data generation and reporting of sufficient or greater quality to be scientifically and legally defensible
- Data acceptability, as determined by precision, accuracy, representativeness, and completeness, to support substantive and evidentiary conclusions and decisions for further action/no further action.

3.4 Quality Assurance and Quality Control Samples

3.4.1 Quality Assurance

Quality assurance is a programmatic function that is used to develop and implement procedures for field sampling, chain-of-custody, laboratory analysis, and reporting that will provide environmental monitoring data of known acceptable quality. These procedures, stipulated in the USEPA-approved QAPjP, were used to provide acceptable and representative data to satisfy project DQOs and to enable appropriate decision-making regarding subsequent site disposition (e.g., no further action, further investigation, corrective measures study). During initial stages of

the RFI, the QA officer was on-site daily observing all aspects of sample collection activity (e.g., daily calibration of field monitoring instruments, sample collection and packaging for shipment to the laboratory, chain-of-custody recordkeeping, decontamination, collection of field QC samples) to ensure appropriate, scientifically-sound quality control. No deficiencies were noted. Minor deviations from the QAPjP were verbally communicated to the Field Team Leader (FTL) and immediately rectified. Quality assurance for laboratory analytical results was achieved by the laboratory Quality Assurance Program and applicable SOPs. The laboratories used standard RCRA SW-864 and ASTM methods.

3.4.2 Quality Control Samples

Quality control samples are control checks introduced into the process to monitor the performance of the sample data collection system. Several types of internal QC samples were used to evaluate system performance. For the purpose of this report, system quality control checks were classified as field QC samples or laboratory QC samples. QC samples included blanks (e.g., trip, equipment, ambient, and laboratory), replicates, spikes, analytical standards, and surrogates which were used to assess different phases of the data collection process beginning with sampling and continuing through transportation, storage, and analysis. These QC samples and their frequency of use are described below.

3.4.2.1 Field QC Samples

To determine whether contamination of samples had occurred during transit, trip blanks were used. Trip blanks consisted of analyte-free water preserved with hydrochloric acid (HCl) taken from the laboratory and returned. These trip blanks were analyzed for VOCs only and were used at the rate of one per cooler containing environmental samples to be analyzed for volatile organics.

To determine whether contamination of samples had occurred as a result of contaminated sampling equipment, equipment rinsate blanks were collected. Equipment rinsate blanks consisted of analyte-free water poured across or through a piece of sampling equipment that had received the decontamination treatment (described in Section 3.1.6). Equipment rinsate blanks, collected at a frequency of one per day prior to sampling, were analyzed for the full suite of analytes specified for collection that day.

Procedures used for collection of QC soil samples followed those described in Sections 3.1.3 and 3.1.4. QC samples included the collection of replicate soil volumes. Field replicate soil samples, collected at a frequency of 1 per 10 samples, were uniquely identified and sent blind for

laboratory analysis. A summary of the types of QC samples collected during the field program is presented in Table 3-2.

Table 3-2. Summary of Specifications for Field QC Samples

Field QC Type	Frequency	Analyses Conducted
Trip Blank	1 Per Cooler[1]	VOCs Only
Equipment Rinsate Blank	1 Per Day	Same parameters as the related samples for which equipment was decontaminated.
Field Duplicate	10 Percent	All analytes for which the primary sample is to be analyzed.

1. Or 1/day if all samples for VOCs collected each day are placed in the same cooler.

3.4.2.2 Laboratory QC Samples

The AFCEE-approved laboratory of Halliburton NUS Corporation was used to provide analytical results for the Kirtland AFB Stage 2D-1 RFI. The laboratory is audited by the USEPA and is participating in Department of Defense environmental restoration projects. Quality assurance (QA) for laboratory analytical results was achieved through strict adherence to the laboratory Quality Assurance Program (QAP) and applicable standard operating procedures (SOPs). Additional procedures were effected for laboratory QC control checks, including analytical standards, method blanks, and surrogate recovery checks. These laboratory QC samples are defined as follows:

Analytical Standards - A standard is comprised of a constituent(s) at a known concentration. The standard may be referred to as a reference material certified by the National Institute of Standards and Technology (NIST). To evaluate measurement system precision and accuracy control, analytical standards used included:

- Calibration standards - used to determine instrument response factors and linear range on a method-specific frequency or as system conditions necessitate (e.g., post maintenance, out-of-control check standards).

- Calibration check standards - used at or near the midpoint of the standard calibration curve, analyzed each day of analysis for appropriate parameters. Results must fall within method-specific acceptance criteria. If not, results are flagged and corrective action is sought to recover system control.

- Internal standards - usually isotopes of organic compounds of interest used for target compound quantitation.

Method Blanks - Analytical control samples that contain analyte-free water, control solid, and reagents and are carried through the entire analytical procedure (preparation and analysis).

Surrogate Recoveries - Surrogates are organic compounds that are similar to analytes of interest in chemical composition and physical behavior but are not normally present in environmental samples. These compounds are added to all blanks, calibration and check standards, samples (including normal environmental samples and QC samples), and spiked samples prior to sample processing. By calculating percent recovery, surrogates are used to monitor overall method efficiency. Method-specific percent recoveries are required for obtaining valid results. When surrogate recovery is outside method acceptance criteria, results are flagged by the laboratory. Samples are reanalyzed where appropriate.

Matrix Spikes - A matrix spike (MS) is a separate aliquot of a sample spiked with the analyte(s) of interest and analyzed with the environmental sample. The results of MS analyses are used to measure method accuracy (as defined by percent recovery). Spike recovery is compared to advisory limits (e.g., regulatory and laboratory matrix-specific historical statistical recovery criteria). Spike recovery may identify interference in complex matrices causing analytical bias.

A matrix spike duplicate (MSD) (a second spiked aliquot of the same matrix and spiking solution) is analyzed and percent spike recovery calculated. The relative percent difference between the MS and MSD is calculated to determine matrix-specific, project-specific analytical precision. Analytical methods for organic constituents have specific MS/MSD precision requirements. When results were outside of method criteria, results were flagged and re-analysis performed where appropriate. MS/MSDs were used for both organic and inorganic analyses at a frequency of 1 set per 20 environmental samples. Laboratory Control Sample (LCS) and LCS duplicate—solid or liquid matrices—may be substituted for MS/MSD samples, per AFCEE IRP guidance.

Field samples and field quality control samples were analyzed in conjunction with laboratory QC samples. The combined results of field and laboratory control samples were used to enable an overall quality assessment of measurement data.

3.4.3 Laboratory Analysis Activities

The Halliburton NUS laboratory provided analytical support for the Kirtland AFB Stage 2D-1 RFI. Standard USEPA methodology and QA/QC protocol were used to ensure the reliability, consistency, and comparability of reported results.

Sample analysis was performed for required parameters (e.g., VOCs, SVOCs, petroleum hydrocarbons, inorganics) and target compounds identified in the USGS Stage 2B and 2C Work Plans by the described USEPA analytical methodology. The SW-846 8240 VOC was analyzed by the laboratories using a capillary column (SW-846 8260). Instrument detection limits (IDLs) and QC acceptance criteria for analytes of interest, in soil, are provided in Appendix K.1 and are also available in the Stage 2C Work Plan (HNUS, 1993).

3.5 Data Validation and Evaluation

The following describes practices used for data validation and reporting for environmental measurement data resulting from the Stage 2D-1 RFI.

Environmental samples were screened in the field with portable instruments (e.g., Organic Vapor Analyzer, HNu 101, Ludlum models 3, 12, and 19) for total volatile organics ionizable by a flame or UV light source and radioactivity using a NaI detector. Since field screening was performed primarily for health and safety and only total volatile organic contamination assessment, measurement results were limited to QA1 objective validation requirements (USEPA/540/G-90/004) consisting of daily calibration data (Appendix K.2). Samples were then sent to a laboratory and analyzed. Data validation was performed on a minimum of 10 percent of the laboratory results (USGS, 1993). The 10-percent sample group was selected at random. Data validation was conducted according to the following USEPA national protocols for the Contract Laboratory Program and RCRA SW-846 method-specific criteria:

- Laboratory Data Validation Functional Guidelines for Evaluating Organic Analyses (USEPA, 1993)
- Laboratory Data Validation Functional Guidelines for Evaluating Inorganic Analyses (USEPA, 1990/1994)
- SW-846, Method 8240/8260
- SW-846, Method 8270

- SW-846, Method 6010
- SW-846, Method 7470/7471
- SW-846, Method 7421

In accordance with USEPA national protocols, organic data were evaluated based on the following criteria:

- Data completeness
- Holding times
- Initial and continuing calibration verification
- Blank analyses
- Interference check sample results
- Matrix spike/matrix spike duplicate analyses
- Field replicate results (where appropriate)
- Laboratory control sample results
- Detection limits
- Sample quantitation results

In addition to the organic and inorganic data validation mentioned above, data from radiochemical analyses were also validated. The criteria used for validation of the radiochemical data were based on NRC and USEPA methodology QA/QC requirements, scientific principle, and good laboratory practices. There is currently no formal, accepted validation protocol for radiochemical data.

Based on results of the evaluation/validation, data may be qualified to alert the user of limitations. The following definitions provide brief explanations of the nationally-used qualifiers assigned to results in the data review process:

U The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

J The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

UJ The analyte was not detected above reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

R The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

Results and conclusions of this formal data validation process were submitted to the project chemist in the form of data validation memoranda. The data validation memoranda explain the findings of the data evaluation process, include a summary of the qualifiers assigned, and give interpretations and reasons for action taken on the data. Copies of the data validation memoranda can be found in Appendix K.3.

Data quality control concerns are summarized in Section 3.5.1.

3.5.1 Data Quality Assurance/Quality Control (QA/QC) Summary

The results of the data quality assessment performed on the Stage 2D-1 RFI data by the laboratory chemists and by independent validation personnel are discussed in this section. While only 10 percent of project data was formally validated, findings indicate data of generally good quality for site assessment. Only those specific occurrences which resulted in qualification of the associated data are addressed.

Case narratives were prepared by the analytical laboratory for each sample delivery group (SDG) (20 environmental samples or less). Each sample delivery group generally consists of one to two days of field sampling activity. The RB-11 investigation includes 10 SDGs (A through J) and the analytical results of the RB-07 investigation are contained in 1 SDG (A). The case narrative for each SDG describes problems encountered during analysis of samples (quality control and environmental) and resulting qualification of data and data concerns. Case narrative findings are summarized below. Copies of the case narratives are presented in Appendix K.4.

Data validation was performed on a minimum of 10 percent of the Stage 2D-1 RFI data per the USEPA-approved Work Plan (USGS, 1993). This validation protocol gives a representative

indication of overall analytical control which is adequate for this preliminary assessment. If a particular problem related to analytical control is identified frequently, additional populations of data are examined or the data user is alerted that results for a particular constituent should be used with caution.

The 2D-1 data packages are being retained for 3 years or until NFAs are approved or CMSs are completed.

3.5.1.1 Organic Analyses Data Evaluation Summary

Missed Holding Times

SDG RB07A. The maximum allowable holding time for sample volatile organic compound analysis was exceeded by 1 to about 2½ days, for seven samples collected at RB-07. Results for the seven samples are qualified with "J" (estimated). The samples exceeding holding times for VOC analyses were surface soil samples (e.g., 0 to 2 ft below grade). After careful consideration, resampling was dismissed for the following reasons: (1) these were surface samples (i.e., subject to thermal and UV exposure, volatilizing and degrading potential analytes of interest); (2) minimal holding time exceedance; (3) no odor or discoloration was noted and there were no VOC readings from real-time screening instruments. While results obtained for volatile organic compounds for these seven surface soil samples collected are qualified as estimated; this is not felt to impact project actions or decision-making for the reasons listed above.

Data Review Summary

Deficiencies noted were minor (resulting in estimated values) with the exception of reported non-detects for 2-chloroethyl vinyl ether, which were rejected in the majority of analyses reviewed. Other problems identified were not considered significant because the analytes were either not detected in the environmental samples or the level for qualification was well below HHRB action levels. (Details of validation review and laboratory narratives for specific data packages affected are presented in Appendix K.3 and K.4, respectively.) Data used for decision-making purposes are not impacted.

- Positive results for several compounds in both the volatile and semivolatile fractions are considered to be estimated because they are reported at concentrations below the Practical Quantitation Limit (PQL). The PQL is the low end of the 5-point calibration curve for analyte quantitation. Identification is 95-percent confident. Results reported at

concentrations less than the PQL (outside the instrument calibration range) are considered approximate.

- Percent recoveries for 2-chlorethyl vinyl ether in laboratory control samples were zero to minimal (well below ±25 percent quality control recovery criteria). All reported sample results for 2-chlorethyl vinyl ether were nondetects and were rejected as unusable due to extremely poor standard recovery. The recovery of 2-chlorethyl vinyl ether was out of control on all analyses performed. Nondetects were qualified as R or UJ (for validated samples in 2 of the 10 SDGs).

- Initial and continuing calibration quality control sample results exceeded QC acceptance criteria (100 percent recovery ± 25 percent) by more than 50 percent for one or more of the following volatile compounds in several data packages: acetone, bromomethane, chloroethane, bromomethane, vinyl chloride, 2-hexanone, vinyl acetate, methyl-ethyl-ketone, 2-chloroethyl vinyl ether, methyl butyl ketone, and 1,1,2,2-tetrachloroethane. Positive results and nondetects for affected constituents in affected data packages were qualified as estimated, "J" and "UJ," respectively. The significant differences shown by the calibration statistics indicate that the laboratory was not able to maintain consistent calibration for these compounds; therefore, the exact quantitation of these compounds, in affected data packages, may not be precise.

- Toluene was detected in sample RB11-18-0107. The sample used for the MS/MSD and toluene recovery was poor. Toluene recovery in the laboratory control sample (LCS) was within QC acceptance limits. The laboratory attributed the poor toluene recovery in the matrix spike to matix interference.

- Initial and continuing calibration quality control exceeded 50 percent for one or more of the semivolatile compounds 3-nitroaniline, 4-nitrophenol, 2-methyl napthalene, and benzyl alcohol. Positive results and nondetects for affected compounds in the affected data packages were estimated, "J" and "UJ," respectively.

- Methylene chloride was detected in laboratory blanks, in several data packages, during the validation review. Results for methylene chloride reported in environmental samples at concentrations less than the validation action levels (10 x level identified in the blank) are considered to be false positives and are qualified as undetected, "U."

3.5.1.2 Inorganic (Metals) Analyses Data Evaluation Summary

Data use for decision-making purposes is not expected to be impacted even with the deficiencies discussed below.

- Because of the high levels of aluminum characteristic of the geology at the sites investigated and a high variance in recovery of samples analyzed (approximately 70–200 percent), all aluminum results should be regarded as estimated.

- In a few data packages, recovery for chromium, manganese, nickel, and/or potassium exceeded the upper quality control criteria (i.e., +25 percent) in the matrix spike. In one data package, thallium also exceeded quality control criteria. Positive results for these compounds in the validated data packages were qualified as estimated, "J." Nondetects are not affected by this noncompliance. These noncompliances are a result of interferences associated with the matrix of the sample.

- In one data package associated with SDG RB-11C, matrix spike percent recoveries (%Rs) were below the 75-percent recovery acceptance criteria for arsenic, barium, beryllium, copper, and vanadium. Positive results for these elements were qualified as estimated ("J") in the validated sample. Arsenic was not detected but was already qualified with a UJ based on results of interference check sample (ICS) runs (e.g., ICSA and ICSAB).

- In some of the data packages, one or more of the following elements were recovered outside the quality control acceptable element recovery limits for solid matrix laboratory control samples (LCS): nickel (D, I), chromium (I), copper (B, C, D and E), cobalt (C, D), and molybdenum (C, D). Positive results for affected positive bias were qualified as estimated (J), nondetects were unaffected. Positive results and nondetects were both qualified as estimated (J).

- Nondetects for arsenic and molybdenum in many samples were qualified as "UJ" because of spectral interference based on evidence associated with the ICS results. The absence of arsenic and molybdenum, elements of toxicological concern, at detection limits for ICP analysis is qualified as UJ due to spectral interference. The trace levels reported do not indicate anthropogenic contamination sources.

  Data use for decision-making purposes is not impacted with the possible exception of arsenic. The ICP scan was used to measure all metals except mercury at RB-11. The method detection limit for arsenic [5 to 12 mg/kg (corrected for iron spectral interference)] is

higher than the HHRB of 0.4 mg/kg. However, background concentrations of arsenic are found at up to 20 mg/kg in this geologic region (New Mexico Bureau of Mines and Mineral Resources, 1994).

- In many data packages, ICS sample A runs resulted in negative and positive recoveries for one or more of the following elements: arsenic, sodium, barium, cadmium, manganese, and zinc. None of these elements is in the ICS; yet, the absolute value of element recovery exceeded the IDL, and interferent concentrations in environmental samples were higher than interferent concentrations in the ICS solutions. While results fall within 1991 IRP acceptance criteria (MAQL); they do not always meet USEPA validation criteria and are qualified (usually as estimated, "J").

- Qualification based on laboratory method and/or field quality control blank contamination were made for the following analytes in the packages indicated:

Analyte	Data Package
Aluminum	RB-11G, I
Antimony	RB-11D, E, F, G
Cadmium	RB-11A, B, C, D, E
Calcium	RB-11G, H, I
Chromium	RB-11A, B, C, G, H, I
Cobalt	RB-11A
Copper	RB-11A, G, I
Iron	RB-11A, D, G, H, I
Potassium	RB-11I
Magnesium	RB-11G, I
Manganese	RB-11G, H, I
Sodium	RB-11B, G, H, I
Zinc	RB-11A, B, C, D, E, F, G, H, I

Affected positive results reported at concentrations below the associated validation action levels were qualified as undetected, "U." These results are considered to be false positives due to blank contamination. Nondetects are unaffected.

Negative concentrations for antimony, cadmium, and selenium were reported for the laboratory method blanks in some data packages. The absolute value exceeded the Instrument Detection Limit (IDL). Positive results and nondetects for the affected analytes in the validated data packages were qualified as estimated, "J" and "UJ," respectively.

3.5.1.3 Radiochemical Analyses Data Evaluation Summary

Most sample results for gross-alpha, radium-226, and radium-228 were found at background levels or the instrument Lower Limit of Detection, and were therefore estimated. Nine of the 10 sample delivery groups were evaluated during the 10-percent sample data validation. The Laboratory Control Sample results for gross-alpha/beta, radium-226, and radium-228 were all outside 40 percent acceptance criteria. Validated sample results for these radionuclides were all qualified as estimated, "J." The bias was generally negative. Methods used (e.g., gross-alpha/beta) and resulting data quality limited data use to preliminary screening assessment (i.e., identification of "hot" spots for further investigation).

3.5.1.4 Data Evaluation Conclusions

Data deficiencies noted were minor (resulting in estimated values for some analytes) with the exception of results for 2-chloroethyl vinyl ether. 2-Chloroethyl vinyl ether data qualification affected nondetects (i.e.. the presence or absence is uncertain). It is probable 2-chloroethyl vinyl ether would have been detected at concentrations greater than 0.5 ppm since detection was marginal at 0.1 ppm. Currently, there is no risk factor published in the Integrated Risk Information System (IRIS) for 2-chloroethyl vinyl ether, so a risk-based action level could not be calculated and the impact of data qualification or rejection could not be evaluated. Elemental results were in most cases similar to background or regional mineralogy (New Mexico Bureau of Mines and Mineral Resources, 1994). Certain elements, regulated as toxic by state and federal authorities, are native to regional soil. Element results qualified as estimated ("J") included primarily nutrients (e.g., potassium, sodium) and elements which are micronutrients or for which risk-based action levels exist (e.g., copper, zinc, manganese). Estimated concentrations are similar to background for these elements. On the whole, the data were of sufficient quality for the intended purpose of a RCRA facility investigation.

3.6 Methodology for Determining Background Concentrations

The Upper Tolerance Limit (UTL) method of calculating an upper level of background (Lieberman, 1958) is useful for comparison purposes. Using this method, a benchmark is calculated to separate expected background concentrations from those that indicate potential

contamination. UTLs were calculated using all 12 background samples collected from 2 background boreholes.

It must be recognized that in comparisons with the UTL, which is approximately the 95th percentile of the background concentration, about 5 percent of values (or 1 in 20) can be expected to exceed the UTL within the background or other noncontaminated samples.

3.7 Baseline Human Health Risk Assessment

This section provides an overview of the preliminary health and environmental assessment that was performed as a part of the evaluation to determine whether an area (or a particular medium) requires closer examination (and potentially a baseline risk assessment) when action levels were exceeded. The purpose of this preliminary risk assessment is to aid in a decision as to whether a CMS is necessary.

3.7.1 Human Health Risk Based Action Levels

The RCRA Facility Investigation guidance (USEPA, May 1989b) recommends the preparation of a Health and Environmental Assessment (HEA). The HEA is based on a set of criteria (concentrations or "action levels") to which the measured contaminant concentrations are compared. When an action level is exceeded, closer evaluation is suggested. Until the proposed Subpart S of RCRA Part 264 was published (USEPA, July 27, 1990), there were no requirements for conducting risk assessments or evaluating remedies at RCRA facilities. One of the USEPA's primary objectives in the proposed corrective action regulations was to achieve consistency with the policies and procedures of CERCLA.

The proposed rule incorporates the concept of "action levels" -- levels that, if exceeded in the environment, will typically trigger a CMS. If site characterization sample levels are below the action levels, no further action is generally required, primarily because of the conservative assumptions incorporated into the action level development process. However, even if an action level has been exceeded, the proposed regulation allows the responsible party to demonstrate that no action is required based on site-specific characteristics and land use.

The USEPA has no final criteria for dealing with contaminants in the soil (with a few exceptions like lead and polychlorinated biphenyls (PCBs) for which guidelines are available); therefore, action levels must be developed for each contaminant. For the purposes of the HEA performed under this RFI, a list of Human Health Risk Based (HHRB) action levels was developed and is

included on the following pages as Tables 3-3 and 3-4. The RCRA Subpart S proposed action levels were utilized as the beginning basis for the HHRB action levels; however, levels were recalculated for contaminants for which more current toxicological information has been published since July 1990. HHRB action levels are not available for radionuclides. To develop an HHRB action level for a radionuclide, an acceptable risk level must be determined. Next, a committed effective dose equivalent is determined from this risk level. The HHRB action level is derived from the committed effective dose equivalent through modeling of exposure pathways. Currently, the USEPA is working toward the development of an HHRB action level for radionuclides, but to date no information has been published by the USEPA. The proposed RCRA Subpart S rule suggests that a residential land use scenario be used in computing HHRB action levels to evaluate the effects of long-term contact with soil. Small children are assumed to ingest 0.2 grams of soil per day and weigh 16 kg. Small children are used to evaluate noncarcinogenic chemicals. Adults, on the other hand, are used in the evaluation of carcinogenic chemicals. The long-term ingestion rate by adults weighing 70 kg is assumed to be 0.1 g/day. For carcinogenic compounds, the USEPA stipulates that the risk from any individual compound (Class A/B carcinogens) does not exceed 1×10^{-6}, or a 1 in 1 million chance of developing cancer based on the assumed exposure. Individual risks for Class C carcinogens are set at 1×10^{-5}. The total risk from all carcinogenic compounds should not exceed 1×10^{-4}, or 1 in 10,000. For noncarcinogenic compounds, the USEPA suggests that the Hazard Index not exceed unity (1.0).

3.7.2 Risk Assessment Overview

To assess public health risks, three major aspects of chemical contamination and environmental fate and transport must be considered: (1) contaminants with toxic characteristics must be found in environmental media and be released by either natural processes or human action; (2) pathways by which actual or potential exposure occurs must be present; and (3) human or environmental receptors must be present to complete the exposure route. Risk is a function of both toxicity and exposure; without one of the factors listed above, there will be no risk.

For both RB-11 and RB-07, only radiological constituents were considered in the risk assessment. Based on the analytical results summarized in Sections 4.4 and 5.4, neither site contained organic or inorganic constituents of anthropogenic origin at concentrations above

Table 3.3 PROPOSED ACTION LEVELS FOR CONSTITUENTS OF CONCERN (Organic Compounds)

Kirtland AFB, Albuquerque, New Mexico

Constituent of Concern (1)	CAS No	EPA Weight (2) of Evidence	Proposed (3) Soil Action Level (mg/kg)
A) Organics			
1,1,2,2-Tetrachloroethane	79-34-5	C	35
1,1,2-Trichloroethane	79-00-5	C	123
1,2,4-Trichlorobenzene	120-82-1	D	800
1,2-Dichloroethane	107-06-2	B2	7 69
2-methyl-naphthalene (4)	91-57-6	NA (5)	3200
Acetone	67-64-1	D	8000
Benzene	71-43-2	A	24 1
Benzo(a)pyrene	50-32-8	B2	0 0959
Benzo(b)fluoranthene (6)	205-99-2	B2	0 959
Bromoform	75-25-2	B2	88 6
Bromomethane	74-83-9	D	32
Carbon Disulfide	75-15-0	NA	8000
Chlorobenzene	108-90-7	D	2160
Chloroform	67-66-3	B2	115
Chrysene (6)	218-01-9	B2	9 59
Diethylhexyl phthalate (DEHP)	117-81-7	B2	50
Di-butyl phthalate	84-74-2	D	8000
Ethyl Benzene	100-41-4	D	8000
Fluoranthene	206-44-0	D	3360
Fluorene	86-73-7	D	3360
Fluoride	7782-41-4	NA	4800
Isophorone	78-59-1	C	7368
Methy Ethyl Ketone (MEK)	78-93-3	D	48000
Methylene chloride	75-09-2	B2	93 3
Naphthalene (7)	91-20-3	D	3200
Pentachlorophenol	87-86-5	B2	5 83
Tetrachloroethylene	127-18-4	NA	800
Phenol	108-95-2	D	48000
Pyrene	129-00-0	D	2400
Toluene	108-88-3	D	16000
Trichloroethene	79-01-6	B2	63 6
Xylene	108-38-3	D	160000
B) Organics (8)			
1,1,1-Trichloroethane	71-55-6	D	NA
1,2-Dichloropropane	78-87-5	NA	NA
Dibenzofuran	132-64-9	D	NA
Methyl Isobutyl Ketone (MIBK)	108-10-1	NA	NA
Phenanthrene	85-01-8	D	NA

(1) Positive detected constituent at Kirtland AFB.

(2) All parameters were obtained from the EPA Integrated Risk Information System (IRIS Online Database) 1994, and the Health Effects Assessment Summary Tables (HEAST) developed by the United States Environmental Protection Agency (1992).

Carcinogenic classification:

A --Known human carcinogen

B1 / B2 --Probable human carcinogen

C --Possible human carcinogen

D --Not classified as a carcinogen

(3) Calculation were based on equations provided in the proposed Action Level (Federal Register, Vol.55, No.145, July 1990).

(4) Naphthalene Action Level may be used.

(5) NA-- not available

(6) TEF--toxicity equivalency factor based on carcinogenicity of benzo(a) pyrene (Supplemental Region VI Risk Assessment Guidance, April 14, 1992).

(7) RfD for Naphthalene was obtained from Superfund Chemical Data Matrix, 9345.1-13, (PB94963501), March 9, 1993

(8) Neither RfD nor CSF is available from IRIS Database or HEAST for the calculation of Soil Action Level.

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Table 3.4 PROPOSED ACTION LEVELS FOR CONSTITUENTS OF CONCERN (Inorganic Compounds)

Kirtland AFB, Albuquerque, New Mexico

Constituent of Concern(1)	CAS No.	EPA Weight (2) of Evidence	Proposed (3) Soil Action Level (mg/kg)
C) Inorganics			
Antimony	7440-36-0	D	32
Arsenic	7440-38-2	A	0.4
Barium	7440-39-3	NA (4)	5600
Beryllium	7440-41-7	B2	0.2
Cadmium	7440-43-9	B1	40
Chromium III	16065-83-1	NA	80000
Chromium VI	18540-29-9	A	400
Cyanide	57-12-5	D	1600
Lead	7439-92-1	B2	400
Manganese	7439-96-5	D	400
Molybdenum	7439-98-7	NA	400
Nickel	7440-02-0	NA	1600
Selenium	7782-49-2	D	400
Silver	7440-22-4	D	400
Thallium (acetate)	563-68-8	NA	7.2
Vanadium	7440-62-2	NA	720
Zinc	7440-66-6	D	24000
D) Inorganics (6)			
Aluminum	7429-90-5	D	NA
Calcium	7440-70-2	NA	NA
Cobalt	7440-48-4	NA	NA
Copper	7440-50-8	D	NA
Iron	7439-89-6	NA	NA
Mercury	7439-97-6	D	20
Potassium	7440-09-7	NA	NA

(1) Positive detected constituent at Kirtland AFB.

(2) All parameters were obtained from the EPA Integrated Risk Information System (IRIS Online Database) 1994, and the Health Effects Assessment Summary Tables (HEAST) developed by the United States Environmental Protection Agency (1992).

Carcinogenic classification:

A --Known human carcinogen

B1 / B2 --Probable human carcinogen

C --Possible human carcinogen

D --Not classified as a carcinogen

(3) Calculation were based on equations provided in the proposed Action Level (Federal Register, Vol.55, No.145, July 1990).

(4) NA-- not available

(5) The interim directive replaces all previous directives on soil lead cleanup for RCRA programs (EPA/540/F-94/043, August 1994.

(6) Neither RfD nor CSF is available from IRIS Database or HEAST for the calculation of Soil Action Level.

(7) Action level of vanadium oxide was used.

HHRB action levels that warranted assessment of risk. However, a few inorganics are naturally found at Kirtland AFB at levels above HHRB action levels (e.g., beryllium and chromium). Since these constituents are naturally occurring, they should not be used to evaluate the incremental risk posed by releases from the sites under study.

The following discussion is limited to the risk assessment methodology used for the radiological risk evaluated for RB-11 and RB-07. The radiological analyses performed included gross alpha and gross beta in order to determine general levels of radioactivity in the soil. The analyses were not isotope specific. Note that a true baseline risk assessment may not be performed using gross alpha and gross beta data (USEPA, 1989). To accurately determine the radiological risks associated with the areas under study, a more detailed analysis using radionuclide specific data would need to be performed. A statistical evaluation is performed to determine whether the site characterization data population is significantly higher than background.

A second evaluation was performed for RB-11. Disposal records were used to estimate the total radioactivity of material at RB-11. This source term was then used to determine risk associated with exposure to the radioactivity under two trench exposure scenarios described in Section 4.

A risk assessment typically contains four general sections, as follows: (1) Data Evaluation; (2) Toxicity Assessment; (3) Exposure Assessment; and (4) Risk Characterization. Each of these components is described below:

- The Data Evaluation (Section 3.7.3.) - The purposes of this section are the identification and the selection of constituents of concern (COCs) that are representative of the type and magnitude of potential human health and/or environmental effects. Contaminant concentration, contaminant release and environmental transport mechanisms, exposure routes, and toxicity are considered to evaluate identified contaminants and to define the associated risks.

- The Toxicity Assessment (Section 3.7.4) - Available human health criteria for all COCs are presented in this section.

- The Exposure Assessment (Section 3.7.5) - This section identifies potential human and environmental exposures at the source areas and in the vicinity of the SWMU. Exposure routes are developed from information on source area contaminant concentrations, contaminant release mechanisms, patterns of human activity, and other pertinent information.

- The Risk Characterization (Section 3.7.6) - The risks associated with carcinogenic effects of the COCs are compared to relevant regulatory guidelines. This section describes the general procedures for calculating risks, and the site-specific risk assessments present the actual numerical results of this exercise.

3.7.3 Data Evaluation

Data evaluation is a site-specific task and uses a variety of information to select a list of COCs. For the purposes of risk assessments, the COCs in soil are limited to those chemicals that exceeded the HHRB action level. As discussed above, only radiological constituents are evaluated for RB-11 and RB-07.

Data evaluation for radionuclides is similar to the methodology for chemical data evaluation, although many of the methods must be modified to accommodate differences in sampling and analytical techniques. Analytical methods for measuring radioactive contaminants differ from those for measuring organic and inorganic chemicals.

Radioanalytical methods that are not specific to a particular radionuclide (i.e., gross alpha and gross beta) may have limited utility for quantitative risk assessment. However, these methods can be used as a screening measurement, as in the case of this assessment (USEPA, 1989).

For RB-11 and RB-07, gross alpha and gross beta concentrations were statistically evaluated to determine whether the borehole, trench, or surface soil sample populations were significantly higher than background activity levels. The site-specific evaluations are presented in Section 4.5.1 for RB-11 and 5.6.1 for RB-07.

Lower Limits of Detection (LLDs) for standard techniques for most radionuclide analyses are sufficiently low to ensure the detection of radionuclides at activity concentrations well below background; however, there are exceptions. Some radionuclides with very low specific activities, long half-lives, and/or low energy decay emissions are difficult to detect precisely when using standard techniques. In cases where suspected radionuclides are not detected, the same special considerations noted for chemical analysis can be applied: re-analyze the sample using more sensitive methods; use the LLD value as proxy concentration to evaluate the potential risks at the detection limit; or evaluate the possible risk of the radionuclide qualitatively (USEPA, 1989).

Background sample locations were selected and samples collected and analyzed to distinguish between on-site sources of radionuclide contamination from radionuclides expected normally in the environment. Table 3-5 outlines background radionuclides from nuclear weapons testing and naturally occurring radionuclides. The concentration of natural radionuclides varies quite widely in soils, as may be expected. Geographic location and geological origin of soils as well as climatic, hydrogeological, and agricultural situations have affected radionuclide concentrations to a large extent. Background measurements of direct radiation and radionuclide concentrations

were made at geologically similar locations on the base, but all locations were beyond the influence of the sites.

Both expected and actual site-specific radionuclides are listed in Sections 4.0 and 5.0.

Table 3-5. Estimated Radionuclide Concentrations in Soil

	Gross Alpha (pCi/g)	Gross Beta (pCi/g)
Naturally Occurring Radionuclides[a]	22	17[b]
Nuclear Weapons Fallout[c]	negligible	negligible

a. Primordial radionuclides includes both series and non-series radionuclides.
b. Considers only Cs-137 and Sr-90. The contribution from these radionulides is insignificant compared to primordial.
c. Main contributors are K-40 and Rb-87.

3.7.4 Toxicity Assessment

The purpose of this section is to identify the potential health hazards associated with exposure to radionuclides. A toxicological evaluation characterizes the inherent toxicity of a compound. Although the chemicals of concern may cause adverse health effects, dose-response relationships and the potential for exposure must be evaluated before the risks to receptors can be determined. Because the analytical results are not radionuclide specific, the source of the radioactivity measured at RB-11 and RB-07 was estimated. The radionuclides are site specific based on historical knowledge, as discussed in Sections 4.5.1 and 5.6.1.

The primary effect of concern due to ionizing radiation at low doses is the induction of cancer. Because of the random nature of energy deposition by the radiation, cancer initiation and promotion is a stochastic process. This means that receipt of a radiation dose does not guarantee that a cancer will be induced. Rather, the probability of cancer incidence has been postulated to increase linearly with increasing dose without threshold for purposes of radiation protection (NRC, 1990; ICRP, 1991; NCRP, 1993). Because all statistically significant data on the induction of cancer via radiation are based on high doses such as those received by the Japanese bomb survivors, the calculated risk from these high dose cases is linearly extrapolated to low doses and forms the basis of risk factors provided by the International Commission on Radiological Protection (ICRP), the National Council on Radiation Protection and Measurements (NCRP), and the USEPA.

Radiation has been demonstrated to be capable of inducing cancer in almost any organ of the body; therefore, all organs of the body must be considered as "target organs." The USEPA has published slope factor values that reflect a total risk of cancer induction throughout the body. These factors are dependent upon the radionuclide of concern and are specific to a given pathway of irradiation (intake, ingestion, direct irradiation) and are suitable for use in determining the relative risk of inducing cancer within a given population.

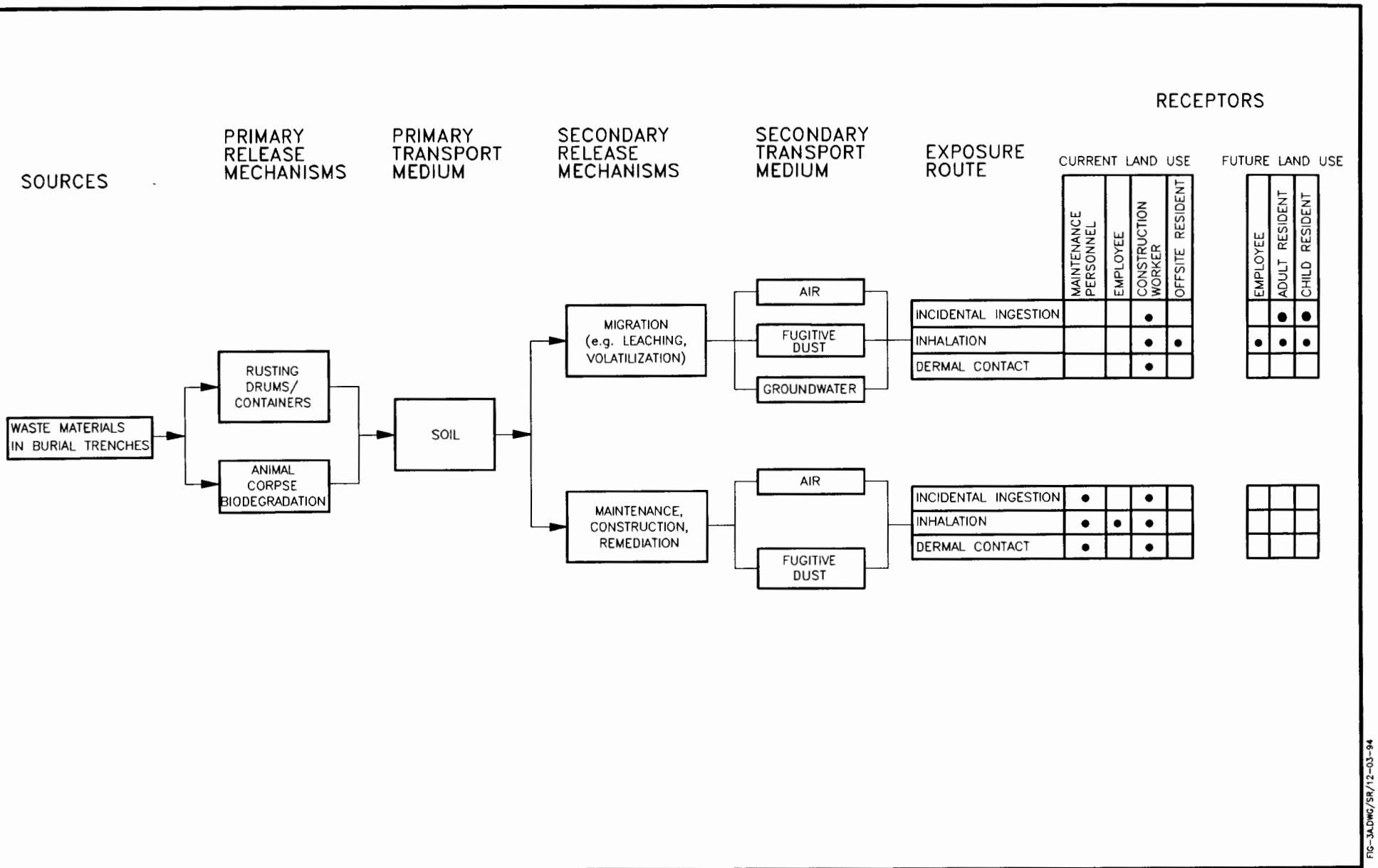
Cancer Slope Factor (CSF)

CSFs are applicable for estimating the lifetime probability (assuming a 70-year lifetime) of human receptors developing cancer as a result of exposure to known or suspected carcinogens. This factor, which is generally reported by the USEPA in units of $mg/kg/day^{-1}$, is derived through an assumed low-dosage linear relationship and an extrapolation from high- to low-dose response determined from animal studies. The value used in reporting the CSF is the upper 95-percent confidence limit.

3.7.5 Exposure Assessment

This section evaluates the potential for human exposure to the hazardous chemicals in the environmental media. This section characterizes the exposed populations and identifies actual or potential exposure routes.

The Conceptual Site Model for the Stage 2D-1 SWMUs is presented as Figure 3-1. The model presents potential sources of contamination, migration pathways, and potential receptors associated with these sites. Soil is the primary media through which receptors can be exposed to site-related contaminants. To evaluate the most conservative scenario, incidental ingestion of subsurface soil and consumption of locally grown produce are jointly considered for the RB-11 site where a risk assessment was conducted. This approach will result in a greater risk than dermal or inhalation exposure because of the intake parameters for this scenario. Exposures to soil are estimated for two receptor groups, adult and child residents. Exposure frequencies for the ingestion of soil by an adult resident are estimated at 24 hours per day, 350 days per year for a period of 30 years. Child residents, 0 to 6 years in age, are assumed to be exposed 24 hours per day and 350 days per year.



3-32

FIG-3A.DWG/SR/12-03-94

CONCEPTUAL SITE MODEL FOR STAGE 2D-1 SWMUs

FIGURE 3-1

RCRA FACILITY INVESTIGATION KIRTLAND AIR FORCE BASE, NEW MEXICO

Groundwater exposure scenarios were not considered for RB-11 and RB-07. Limited soil contamination was presented at these sites. Based on the depth to groundwater (approximately 550 feet), it is unlikely that downward migration of contamination through the soil has affected groundwater. Therefore, groundwater well installation was not warranted during the RFI, and the groundwater exposure route is not included in this risk assessment.

3.7.6 Risk Characterization

Potential human health risks resulting from the exposures outlined in the preceding section are characterized on a quantitative basis in this section. For RB-11, a risk characterization is determined assuming exposure to radioactive material within a trench under two separate exposure scenarios. Details of a reasonable best case and reasonable worst case for RB-11 are provided in Section 4.5.3. Quantitative risk estimates are generated based on risk assessment methods outlined in USEPA guidance (USEPA, Region 6, April 1992). Incremental cancer risks are provided in the form of dimensionless probabilities based on published CSFs. Detailed calculations are provided in Appendix H.

Incremental cancer risk estimates are generated for RB-11 using the estimated intakes and published CSFs, as follows:

$$\text{Risk} = \text{Intake} \times \text{CSF}$$

The risk determined using this expression is a unitless expression of an individual's likelihood of developing cancer as a result of exposure to carcinogenic chemicals. An incremental cancer risk of 1×10^{-6} indicates that the exposed receptor has a 1 in 1 million additional chance of developing cancer after the defined exposure period to the constituent of concern. Alternatively, such a risk may be interpreted as representing one additional case of cancer in an exposed population of 1 million people.

The calculated cancer risks should be recognized as upper-limit estimates. CSFs are the upper 95-percent confidence limit of a dose-response curve generally derived from animal studies. Actual human risk, while not specifically identifiable, is not expected to exceed the upper limit based on CSFs, and, in fact, may be much lower.

3.7.7 Uncertainties

Carcinogenic health risks are estimated using a number of simplifying assumptions. The extent to which health risks can be characterized is primarily dependent upon the accuracy with which the toxicity of a chemical can be estimated and the accuracy of the exposure estimates. The toxicological data that form the basis for all risk assessments contain uncertainty in the following areas:

- The extrapolation of nonthreshold (carcinogenic) effects from the high doses administered to laboratory animals to the low doses received under environmental exposure scenarios.
- The extrapolation of the results of laboratory animal studies to human or environmental receptors.
- The interspecies variation in toxicological endpoints used in characterizing potential health effects resulting from exposure to a chemical.
- The variations in sensitivity among individuals of any species.

In addition to these sources of uncertainty, the exposure estimates presented in Section 3.7.5 are also based on a number of simplifying assumptions. All assumptions used were clearly defined in that section. The assumptions made include the following:

- Receptor characteristics, such as age, body weight, and exposure duration, are based on published values, with some attempt at making them more site specific.

Every effort was made to collect environmental samples that accurately reflect site conditions in terms of areas of contamination and the types of contaminants present. In addition, the validation of data ensures that the data are adequate for the intended uses (i.e., health and environmental assessment, risk assessment, and evaluation of corrective measures technologies).

4.0 Site RB-11: Radioactive Burial 11 (RW-06)

4.1 Site Background and Environmental Setting

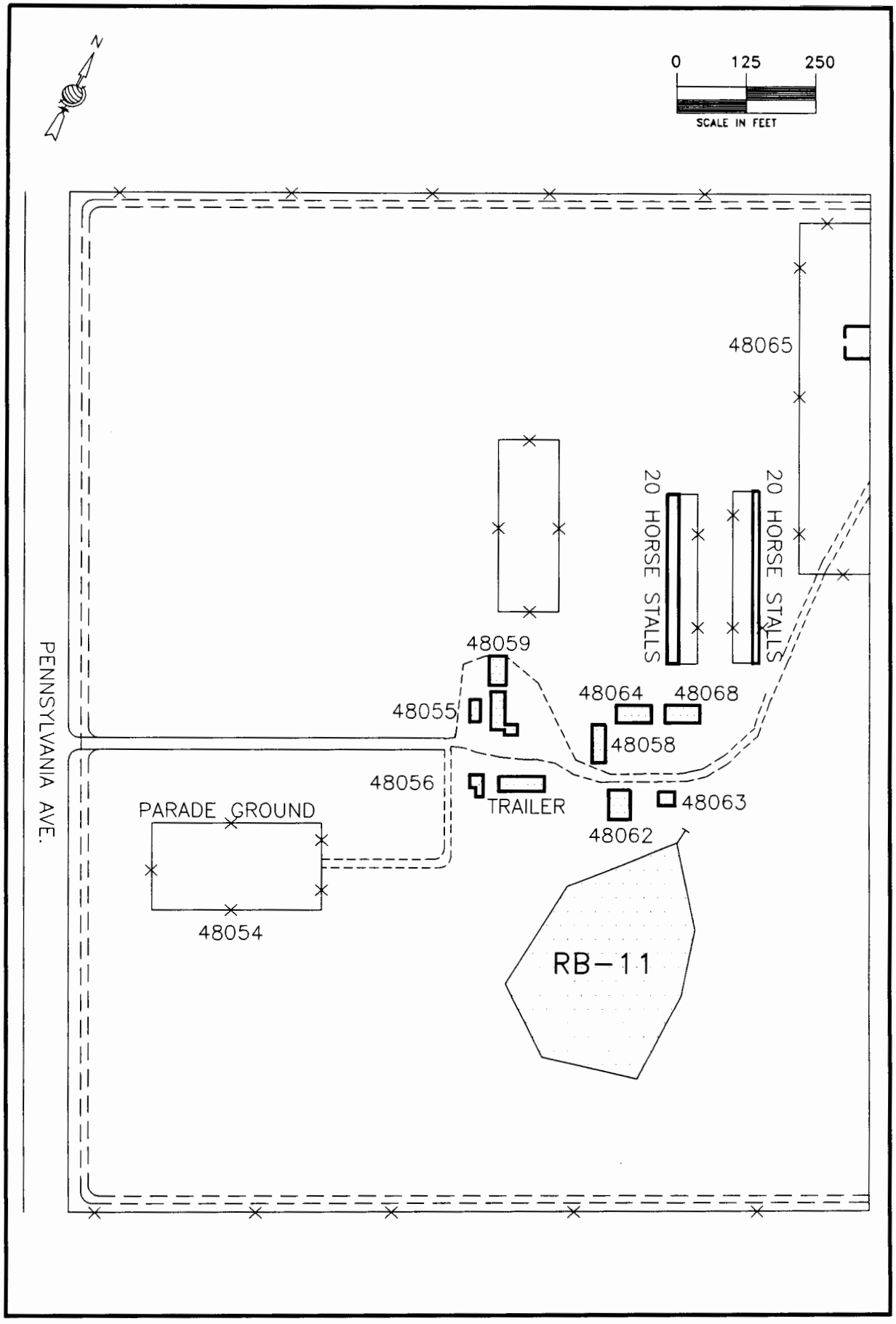
Site RB-11 occupies approximately 4.5 acres of land southeast of the riding club's stables (Figure 4-1). From 1960 to 1971, RB-11 was part of a 40-acre facility operated by the Radiobiology Laboratory, Biophysics Branch, Air Force Weapons Laboratory (AFWL) (Engineering Science, 1981). A major site feature is the presence of backfilled trenches that were previously used for the disposal of animal carcasses. The May 13, 1966, request by AFWL for an amendment to its United States Atomic Energy Commission (USAEC) permit states that the first four of the trenches were approximately 50 ft long by 9 ft deep by 2 ft wide and were covered with approximately 4 ft of compacted earthen material; two were covered with asphalt caps. The two remaining trenches are described as approximately 100 ft long by 20 ft deep by 6 ft wide. One of these trenches was still open and in use at the time of the permit request (Shopenn, 1966).

Although no accurate records were kept for the quantity of wastes disposed, estimates were found in the Phase I study which reported the disposal of 1,000 to 1,500 sheep, 60 to 75 burros, 40 to 50 goats, 100 to 120 chickens, 500 to 1,000 rats, 5 to 10 cows, and 50 to 60 dogs (Engineering Science, 1981). In addition, small quantities of hazardous and toxic chemicals were disposed in the trenches, including acids, mercury, cyanides, and silver. The Phase I study reported that most of the radioactive material buried in the trenches was in the form of induced activity and short half-lived elements, but several millicuries of elements with longer half-lives (zirconium, niobium, cesium, iodine, and yttrium) may be present. Small amounts of the wastes were buried in drums (pers. comm., deBoer, November 12, 1992). Anecdotal evidence suggests that a 55-gallon drum of waste mercury was disposed in one of the trenches, although this claim has not been substantiated.

4.2 Study Area Investigation

4.2.1 Previous Investigations

Several limited-scope environmental investigations have been conducted at RB-11. The Phase I study revealed that the site was a trench-and-fill operation from 1960 to 1971 (Engineering-Science, 1981). Pursuant to the IRP Phase I study, a subsequent IRP field investigation, Phase II, Stage 1, was initiated, during which lysimeters were installed following completion of two 100-ft exploratory holes at the south end of the site (Science Applications International



SITE RB-11 VICINITY MAP

RCRA FACILITY INVESTIGATION

FIGURE 4-1

STAGE 2D-1

KIRTLAND AIR FORCE BASE, NEW MEXICO

Corporation, 1985). No liquid samples could be obtained from either of the lysimeters; however, soil was sampled and analyzed for lead, sodium, iron, mercury, silver, TOX, oils and greases, and pesticides from the approximate depth of lysimeter placement. The results were non-detects with the following exceptions; sodium 660 mg/kg, iron 18,000 mg/kg, mercury <0.1 mg/kg, silver <0.8 mg/kg, and soil moisture 5%. Field screening of the drill cuttings was conducted for gamma radiation, but no levels above background were detected. This study used ground and aerial observations of vegetation to determine the location of the trenches.

A radiation survey was conducted for the air and soil surface at RB-11 on June 26, 1992. Instrumentation included a Ludlum Model 19 micro-R meter, and a Technical Associates Model TBM-3S contamination meter. No radiation levels were detected above background conditions (written communication, Capt. D. F. Caputo, Base Radiation Safety Officer, USAF, BSC, October 23, 1992).

SNL conducted a technology demonstration project at RB-11, which included the installation of a horizontal soil boring. A directional boring technique was used to install a 400-ft-long, fiberglass-cased borehole beneath the six southernmost trenches at RB-11. Using a downhole gamma-ray spectrometer, measurements of gamma radiation in soil adjacent to the cased borehole revealed that no radioactivity above background levels was present beneath RB-11 trenches traversed by the borehole (Floran, 1994).

The information gathered during these surveys was used to develop the Kirtland AFB RFI Work Plan for Stage 2B. Since the development of the Work Plan, a high-density magnetometer survey was conducted at the site in early September 1993 (McDonald et al., 1994).

The magnetometer survey was conducted to prove the utility of the multi-sensor approach to the characterization of abandoned hazardous and radioactive waste sites. The high density survey provided new and better definition of the trench boundaries and the identification of undocumented large power cables cutting through the disposal trenches. This study detected magnetic anomalies (i.e., buried metal) associated with Trenches 1 through 7 and Trench 9. No buried metal was detected in association with Trench 8 (McDonald et al. 1994).

During a June 13, 1994, site visit, trench scars exhibited strikingly more verdant vegetation than the surrounding terrain (preliminary site visit conducted by Halliburton NUS for RFI Stage 2D-1). A conspicuous sunken trench was marked with green vegetation; six locations, all north of the two asphalt-covered trenches, displayed this vegetative growth characteristic.

4.2.2 Data Gaps

Subsurface soil data are needed to characterize the possible extent of vertical or lateral migration of radioactive and chemical contaminants buried at the site. No data are available to assess the potential for contaminant transport through sediment entrained in overland flows. Because only limited data are available from previous investigations, further work was recommended to confirm the existence, magnitude, and extent of potential contamination.

4.2.3 RFI Field Investigation

The environmental investigations to date at RB-11 have yielded only limited data regarding the presence or absence of soil contamination. The purpose of the RFI Field Investigation is to more completely assess the condition of the site with regard to potential contamination by conducting an extensive subsurface investigation and a limited surface soil study. Field investigation activities at RB-11 were conducted between July 5 and August 18, 1994.

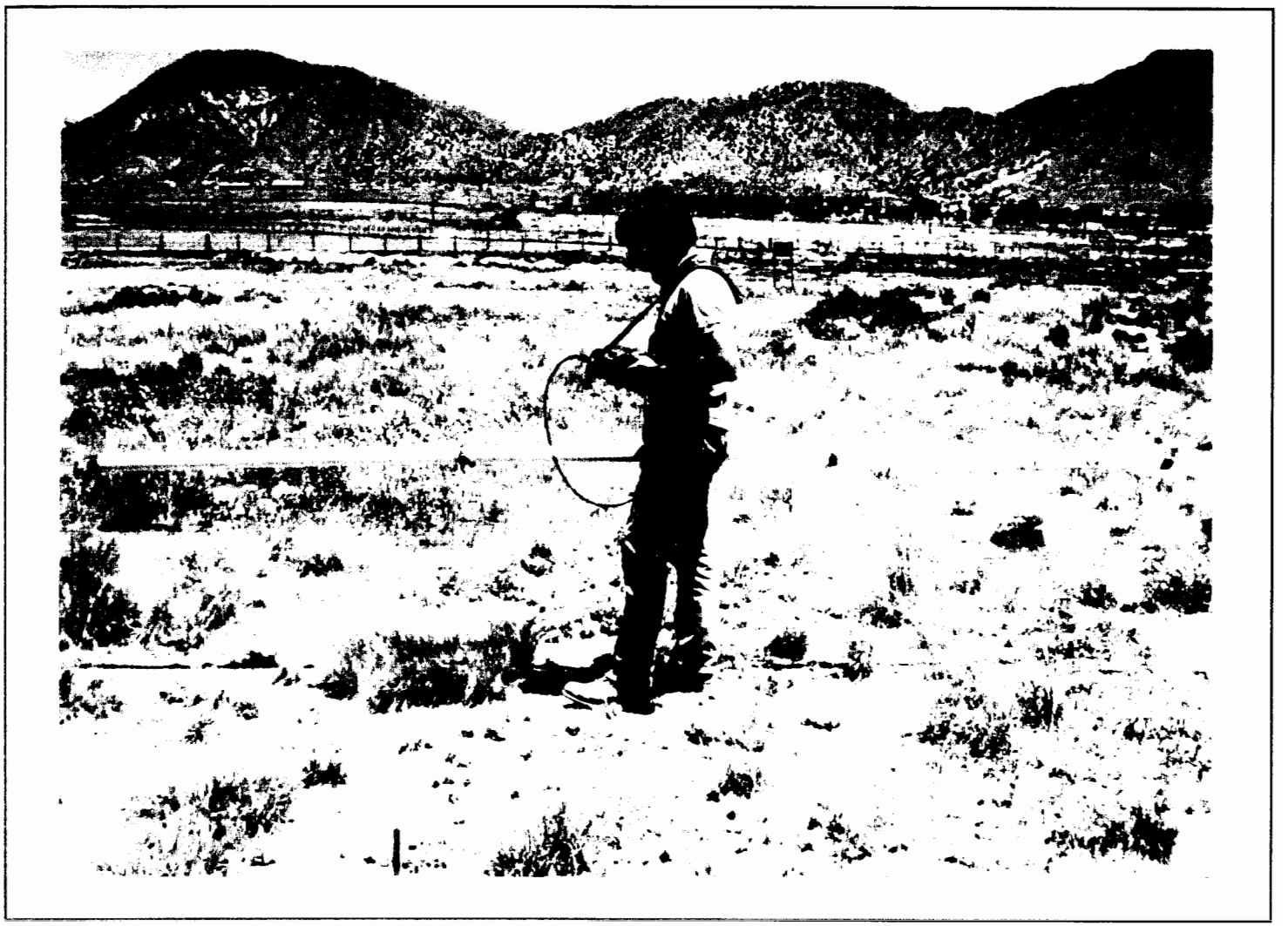
4.2.3.1 Radiological Screening Survey of the RB-11 Site

Three different types of instruments were used for radiological screening of RB-11. A Ludlum Model 19 meter was used for initial and periodic general area gamma radiation-level monitoring of the site. A Ludlum Model 12 count rate meter was used for monitoring soil samples and various objects for beta and gamma contamination. A Ludlum Model 3 survey meter was used to monitor the soil samples for alpha contamination.

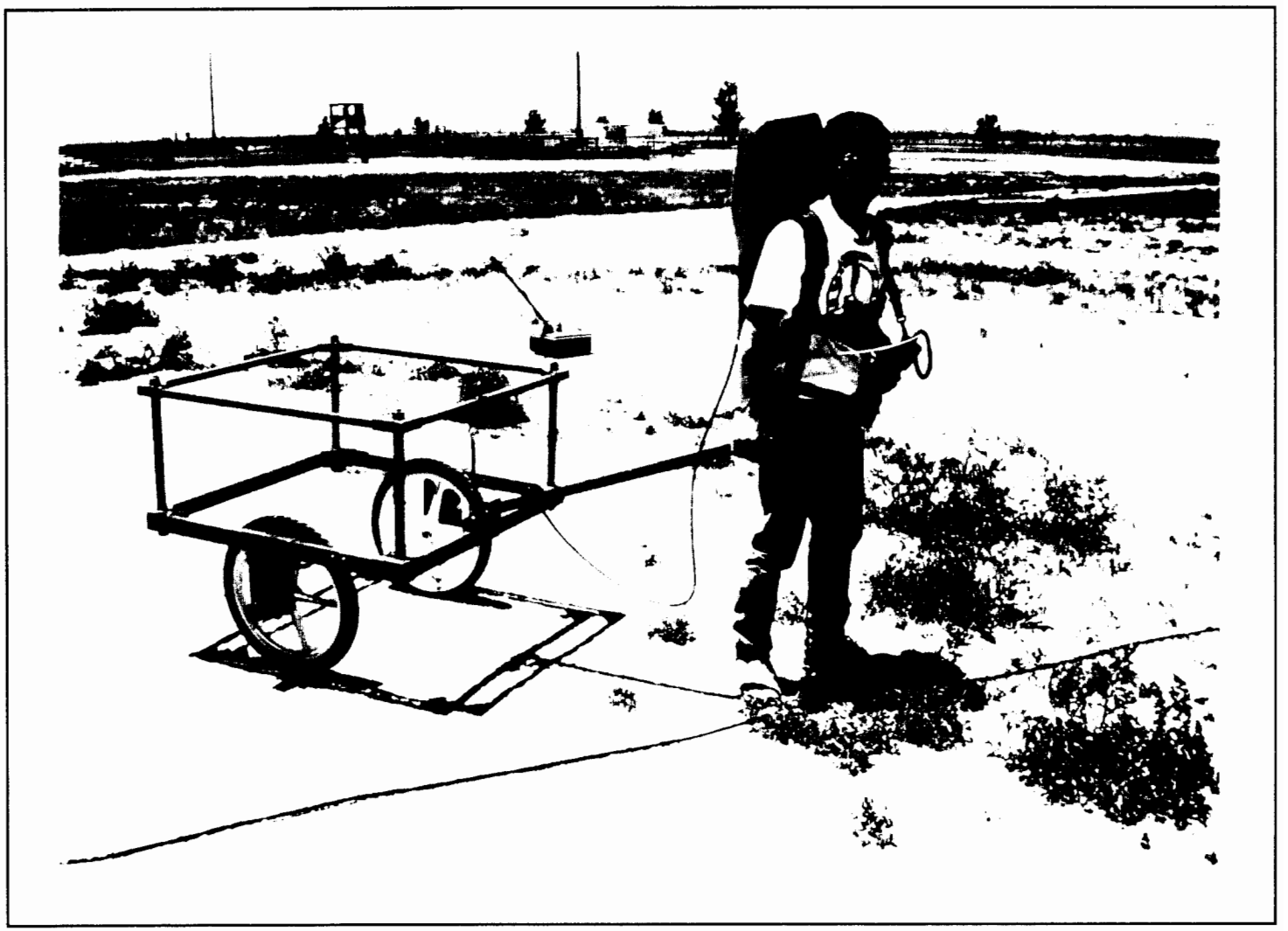
All radiological surveys conducted, including screening of sampling equipment, soil samples, vehicles, and personnel, were at background levels. Background radiation levels for the three instruments were as follows: Model 19 gamma meter, 18-20 μR/hr; Ludlum Model 12 count rate meter, 80-100 cpm; Ludlum Model 3 alpha survey meter, 0 cpm. No contamination or radiation above background levels was detected during the entire drilling operation.

4.2.3.2 Geophysical Survey

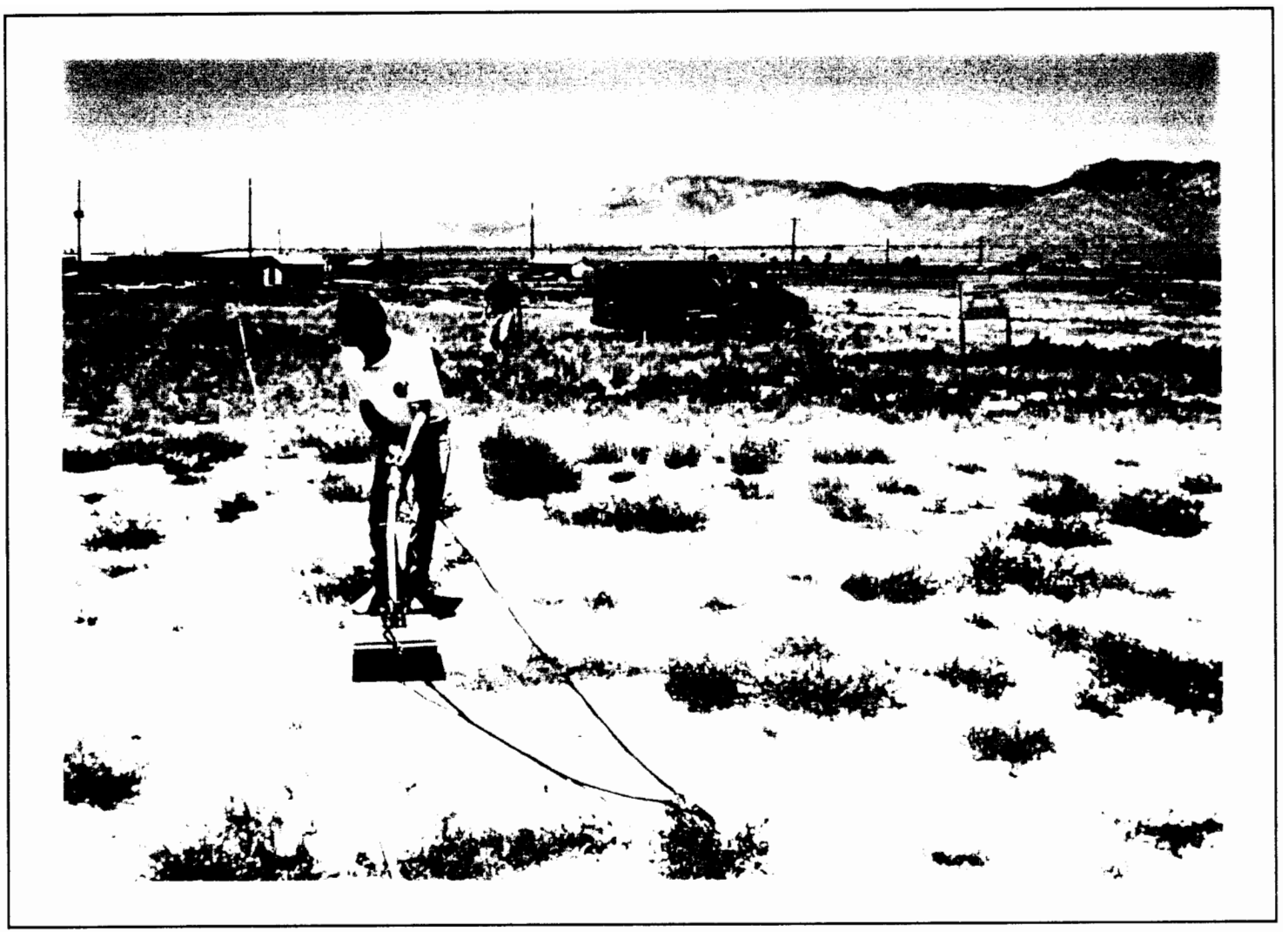
Prior to initiating soil sampling activities at RB-11, geophysical surveys were conducted at the site to better define the extent and depth of the trenches. The study, which began in June 1994, included GPR and electromagnetic surveys with EM-31 and EM-61 survey instruments. Photographs 4-1, 4-2, and 4-3 show the equipment in use at the site. A 100-meter by 125-meter grid was established at the site, using 2-meter by 2-meter spacing, to provide position information for the surveys. An EM-31 survey in both inphase and quadrature response modes



Photograph 4-1 EM-31 Terrain Conductivity Meter in use at RB-11



Photograph 4-2 EM-61 Electromagnetic Survey Equipment in use at RB-11 (note data logger backpack on operator)



Photograph 4-3 Ground Penetrating Radar Equipment in use at RB-11

was performed with measurements taken every meter along each gridline. The EM-61 instrument survey was performed with measurements taken every 20 centimeters along each gridline. The GPR survey was conducted with a 500 MHz antenna, which was able to penetrate approximately 4 to 5 ft into the ground.

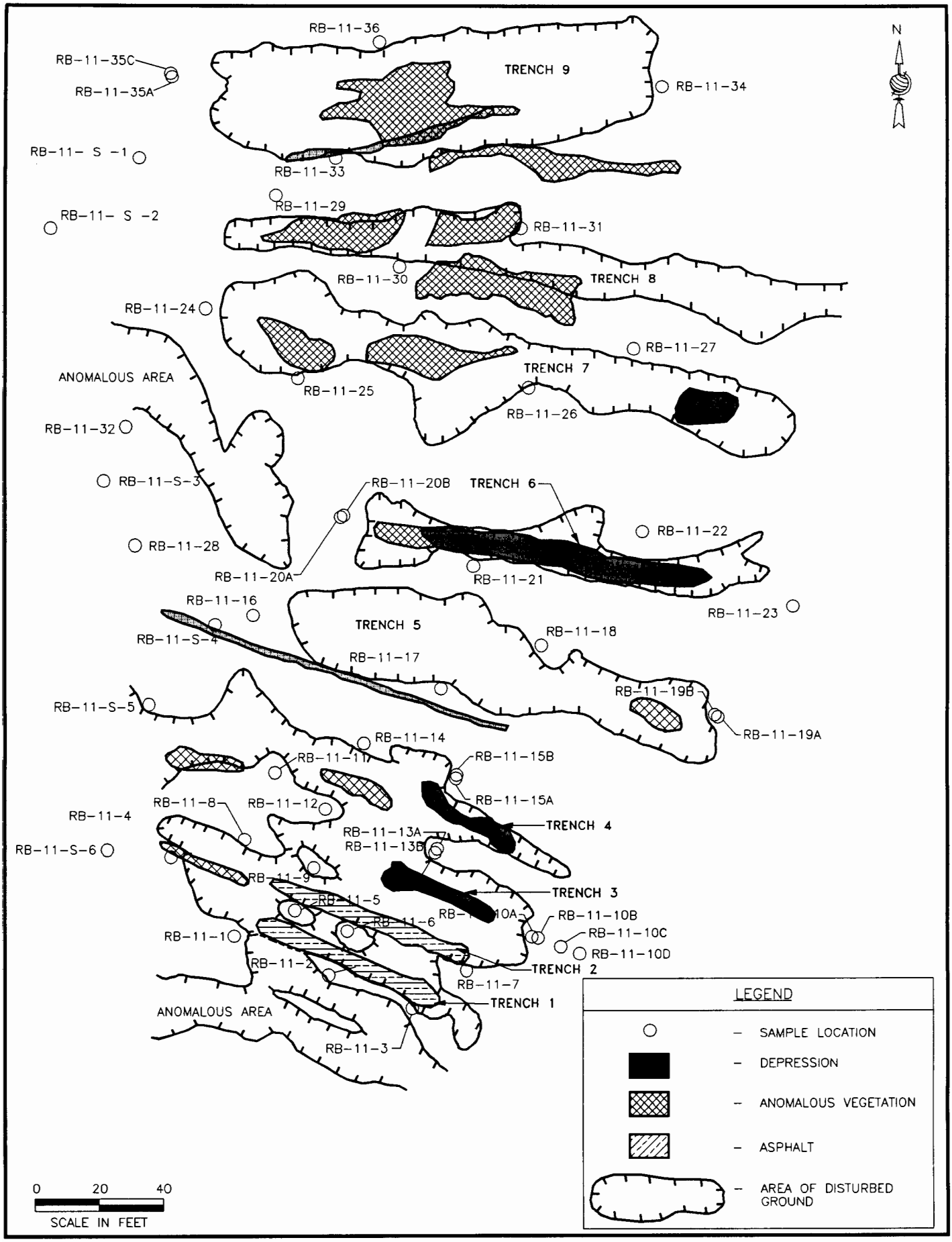
The historical practice of leaving the trenches open for periods of time resulted in the occasional collapse of sides of the trenches. The subsequent reworking of the trench sides resulted in somewhat irregular and poorly defined shapes of the trenches. This fact, combined with the ability of the GPR to penetrate to a depth of only 4 to 5 ft below the surface, resulted in some uncertainty as to the exact boundaries of the trenches. The depth of the trenches could not be specifically defined. The GPR did, however, define where ground had been disturbed to a depth of 4 to 5 ft. Thus, the GPR was useful in locating and defining where ground had not been disturbed (i.e., where no trenching activity had taken place).

Aerial photographs taken of the site during and after operations aided in trench identification. A 1966 photograph depicts the open trench described in the AFWL permit amendment request. The other aerial photograph, taken in 1979, clearly shows scars and anomalous vegetation associated with the trenches.

The ground features at the site, which were mapped in relation to the grid established for the geophysical surveys, included depressions in the ground, anomalous vegetation (both dense and absent), and surface debris.

The information obtained from the GPR and electromagnetic surveys was combined with information from the aerial photographs and the ground features map to construct a map of the most probable trench areas (see Figure 4-2). The suspected areas of trenching activity were defined as all areas where there was reasonable confidence that natural undisturbed soil was not present. The preliminary interpretation of this data led to the conclusion that nine trenches existed. Trenches 1 through 7 are essentially the same as those identified in the RFI Stage 2B Work Plan. Trench 8 is not oriented in a northeast direction as indicated in the Work Plan; the location of Trench 8 has been reinterpreted to run parallel to Trench 7. Trench 9 is a single, large feature that was described in the Work Plan as two trenches (Trenches 9 and 10).

The preliminary analysis identified a north-northwest trending anomaly on the west side of the site that appeared in the EM-31 in-phase response survey. However, no current surface expression of this anomaly exists, and the ground disturbance detected by the GPR does not form



LOCATIONS OF SUSPECTED TRENCHING ACTIVITY AND SAMPLING POINTS AT SITE RB-11

FIGURE 4-2

RCRA FACILITY INVESTIGATION STAGE 2D-1 KIRTLAND AIR FORCE BASE, NEW MEXICO

a linear pattern. This feature does not appear in the aerial photographs taken while the site was active.

Another anomalous area lies to the south-southwest of Trench 1. The GPR detected ground disturbance in this area. However, this area is not considered to be a waste trench since the EM-31 in-phase response survey detected a buried cable there, a cable anchor was found poking through the surface, aerial photographs taken at the time of operation show no evidence of a trench, and Dr. deBoer indicated that the first trench used by the operation was capped with asphalt.

Evaluation of these additional data resulted in some changes to the preliminary sampling plan. The Stage 2D-1 Work Plan stated that the soil samples would be collected from 36 boreholes driven adjacent to the perimeter and between the trenches. Furthermore, the Work Plan stated that the boring locations were subject to change depending on the interpretations of the near-surface stratigraphy and the GPR survey.

Some sampling locations were revised based on the geophysical survey results. The four sampling sites associated with Trench 10, described in the Work Plan, were relocated. To investigate possible contamination from the north-northwest trending anomaly, two of the four sampling sites were relocated immediately to the west (downslope) of the anomaly. The remaining two sampling locations were relocated between Trenches 4 and 5, and Trenches 6 and 7. In addition, only one prudent sampling site could be found between Trenches 2 and 3, so the second sample location was shifted to the upslope end of Trench 2.

4.2.3.3 Geoprobe Soil Borings

All subsurface samples at RB-11 (see Table 4-1) were collected using a Geoprobe coring system. A total of 36 borings were driven adjacent to the perimeter and between the trenches (Figure 4-1). Eleven of the borings (boreholes RB-11-1, -4, -8, -11, -16, -20, -24, -28, -29, -32, and -35) were completed at the downslope (western) end of each trench, and five borings (boreholes RB-11-7, -10, -19, -23, and -34) were located upslope (southeast) of the trenches. Two north-oriented rows of 11 and 9 borings each (i.e., boreholes RB-11-2, -5, -9, -12, -14, -17,-21, -25, -30, -33, -36, and RB-11-3, -6, -13, -15, -18, -22, -26, -27, and -31, respectively) were driven perpendicular to the alignment of the trenches. Photographs 4-4 and 4-5 show on-site activities being conducted with the Geoprobe system.

Sample depths were selected based on the depth of each trench under study. Trenches 1 through 4 were described as 9 ft deep, while trenches 5 through 9 were 20 ft deep. For the shallow

Table 4-1. Site RB-11 Soil Samples

Borehole Number[1]	Trench Number	Total Depth	Sampling Interval (ft)	Comments
RB11-B1	N/A	1 ft	0 to 1	Backgound Sample
RB11-BG01	N/A	32 ft	3 to 7, 8 to 12, 13 to 17, 18 to 22, 28 to 32	Run a[2] Background Sample
RB11-BG01	N/A	7 ft	3 to 7	Run b Background Sample QA/QC Sample 3 to 7 ft
RB11-BG01	N/A	32 ft	28 to 32	Run c Background Sample
RB11-B2	N/A	1 ft	0 to 1	Backgound Sample
RB11-BG02	N/A	32 ft	3 to 7, 8 to 12, 13 to 17, 18 to 22, 28 to 32	Background Sample
RB11-01	1	22 ft	3 to 7, 8 to 13, 18 to 22	
RB11-02	1	13 ft	3 to 8, 8 to 13	Run a
RB11-02	1	22 ft	18 to 22	Run b
RB11-03	1	21 ft	3 to 7, 8 to 12, 17 to 21	
RB11-04	1	22 ft	3 to 7, 8 to 12, 18 to 22	Run a USEPA Split Sample 18 to 22 ft
RB11-04	1	22 ft	18 to 22	Run b
RB11-05	1	22 ft	3 to 7, 8 to 12, 18 to 22	
RB11-06	1	22 ft	3 to 7, 8 to 12, 18 to 22	
RB11-07	2	22 ft	3 to 7, 8 to 12, 18 to 22	QA/QC Sample 3 to 7 ft
RB11-08	2	22 ft	3 to 7, 8 to 12, 18 to 22	Run a
RB11-08	2	22 ft	3 to 7, 18 to 22	Run b QA/QC Sample 3 to 7 ft USEPA Split Sample 18 to 22 ft
RB11-09	2	22 ft	3 to 7, 8 to 11, 18 to 22	Run a
RB11-09	2	7 ft	3 to 7	Run b QA/QC Sample 3 to 7 ft
RB11-10	3	12 ft	3 to 7, 8 to 12	QA/QC Sample 3 to 7 ft
RB11-11	3	24 ft	1 to 7, 8 to 12, 18 to 24	Run a USEPA Split Sample 18 to 24 ft
RB11-11	3	7 ft	3 to 7	Run b MS/MSD
RB11-12	3	7 ft	3 to 7	Run a
RB11-12	3	24 ft	8 to 12, 18 to 24	Run b USEPA Split Sample 18 to 24 ft
RB11-13	3	21 ft	1 to 9, 9 to 13, 17 to 21	Run a
RB11-13	3	9 ft	1 to 9	Run b MS/MSD

1. See Figure 4-2 for borehole location.

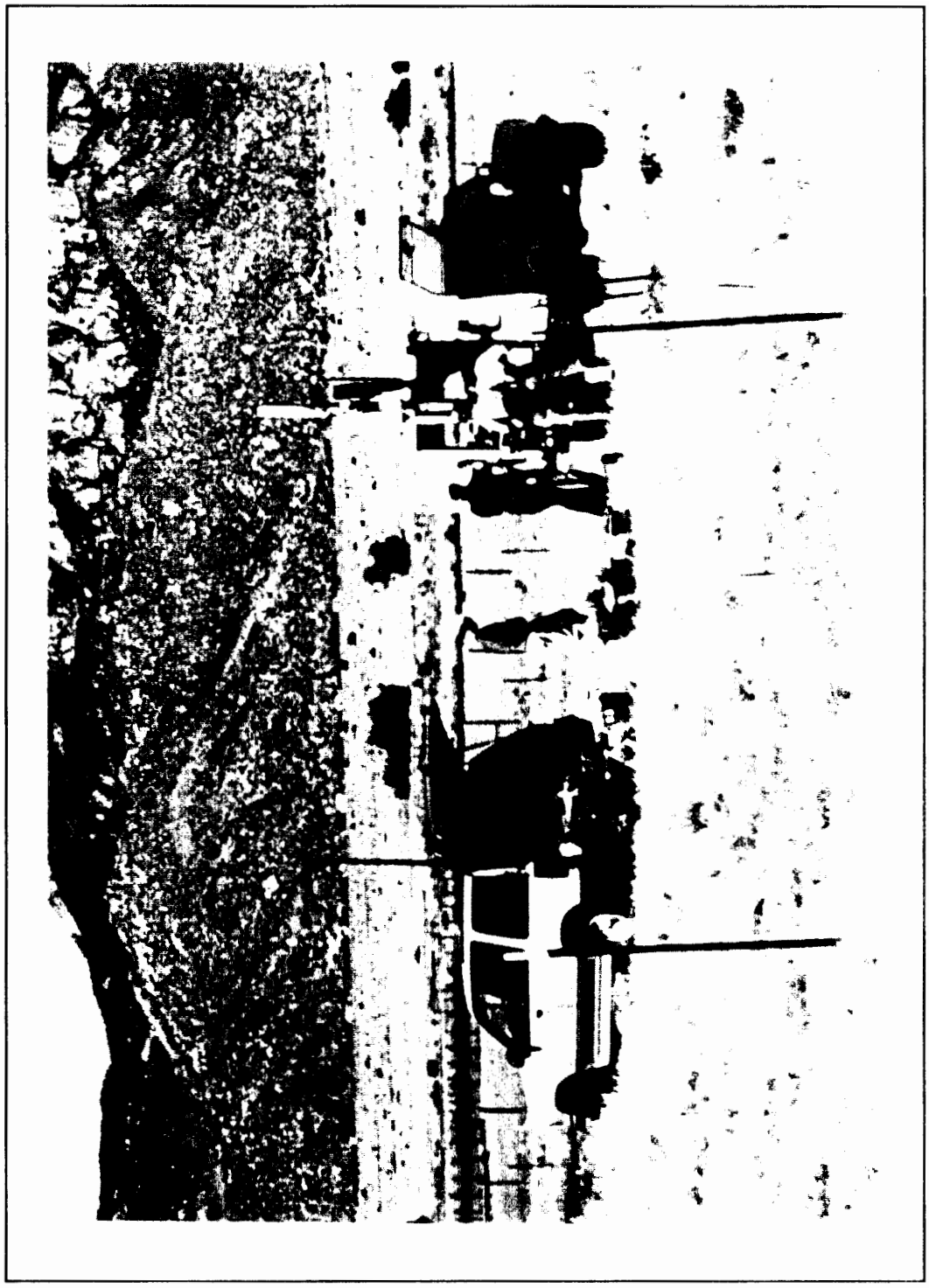
2. When refusal occurred, or upon sampling equipment separation, adjacent boreholes were completed and designated as "run a, b, c" etc.

Table 4-1. Site RB-11 Soil Samples

Borehole Number[1]	Trench Number	Total Depth	Sampling Interval (ft)	Comments
RB11-14	4	22 ft	1 to 7, 8 to 12, 18 to 22	Run a QA/QC Sample 1 to 7 ft
RB11-14	4	7 ft	1 to 7	Run b MS/MSD
RB11-15	4	24 ft	3 to 7, 8 to 12, 18 to 24	Run a QA/QC Sample 3 to 7 ft USEPA Split Sample 18 to 24 ft
RB11-15	4	7 ft	3 to 7	Run b QA/QC Sample 3 to 7 ft
RB11-16	5	25 ft	3 to 7, 8 to 12, 13 to 21, 21 to 25	Run a QA/QC Sample 3 to 7 ft
RB11-16	5	32 ft	28 to 32	Run b
RB11-16	5	32 ft	30 to 32	Run c
RB11-17	5	32 ft	3 to 7, 8 to 12, 13 to 18, 18 to 23, 28 to 32	
RB11-18	5	32 ft	1 to 7, 7 to 11, 13 to 17, 18 to 22, 28 to 32	Run a USEPA Split Sample 28 to 32 ft
RB11-18	5	7 ft	1 to 7	Run b MS/MSD
RB11-19	5	33 ft	3 to 7, 8 to 12, 13 to 19, 19 to 23, 28 to 33	Run a
RB11-19	5	34 ft	3 to 7, 28 to 34	Run b QA/QC Sample 3 to 7 ft USEPA Split Sample 28 to 32 ft
RB11-20	6	32 ft	3 to 7, 8 to 12, 13 to 17, 18 to 22, 28 to 32	Run a
RB11-20	6	7 ft	3 to 7	Run b QA/QC Sample 3 to 7 ft
RB11-21	6	32 ft	3 to 7, 8 to 12, 13 to 17, 18 to 22, 28 to 32	USEPA Split Sample 28 to 32 ft
RB11-22	6	17 ft	3 to 7, 8 to 12, 13 to 17	Run a
RB11-22	6	32 ft	18 to 22, 28 to 32	Run b
RB11-23	6	32 ft	3 to 7, 8 to 12, 13 to 17, 18 to 22, 28 to 32	
RB11-24	7	32 ft	3 to 7, 8 to 12, 13 to 17, 18 to 22, 28 to 32	
RB11-25	7	32 ft	3 to 7, 8 to 12, 13 to 17, 18 to 22, 28 to 32	Run a MS/MSD 8 to 12 ft
RB11-25	7	12 ft	3 to 7, 8 to 12	Run b QA/QC Sample 3 to 7 ft
RB11-26	7	32 ft	3 to 7, 8 to 12, 13 to 17, 18 to 22, 28 to 32	USEPA Split Sample 28 to 32 ft
RB11-27	7	7 ft	3 to 7	Run a QA/QC Sample 3 to 7 ft
RB11-27	7	32 ft	3 to 7, 8 to 12, 13 to 17, 18 to 22, 28 to 32	Run b USEPA Split Sample 18 to 22 ft
RB11-28	5	32 ft	3 to 7, 8 to 12, 13 to 17, 18 to 22, 28 to 32	
RB11-29	8	12 ft	3 to 7, 8 to 12	Run a QA/QC Sample 3 to 7 ft MS/MSD 8 to 12 ft

Table 4-1. Site RB-11 Soil Samples

Borehole Number[1]	Trench Number	Total Depth	Sampling Interval (ft)	Comments
RB11-29	8	32 ft	8 to 12, 13 to 17, 18 to 22, 28 to 32	Run b USEPA Split Sample 28 to 32 ft
RB11-30	8	32 ft	3 to 7, 8 to 12, 13 to 17, 18 to 22, 28 to 32	Run a
RB11-30	8	7 ft	3 to 7	Run b QA/QC Sample 3 to 7 ft
RB11-31	8	34 ft	3 to 7, 8 to 12, 13 to 17, 18 to 22, 28 to 34	USEPA Split Sample 28 to 34 ft
RB11-32	N/A	12 ft	3 to 7, 8 to 12	Run a QA/QC Sample 3 to 7 ft MS/MSD 8 to 12 ft
RB11-32	N/A	32 ft	3 to 7, 8 to 12, 13 to 17, 18 to 22, 28 to 32	Run b
RB11-33	9	22 ft	3 to 7, 8 to 12, 13 to 17, 18 to 22	Run a
RB11-33	9	34 ft	28 to 34	Run b USEPA Split Sample 28 to 34 ft
RB11-34	9	7 ft	3 to 7	Run a QA/QC Sample 3 to 7 ft
RB11-34	9	12 ft	8 to 12	Run b
RB11-34	9	22 ft	13 to 17, 18 to 22	Run c
RB11-35	9	12 ft	3 to 7, 8 to 12	Run a MS/MSD 8 to 12 ft
RB11-35	9	22 ft	3 to 7, 8 to 12, 13 to 17, 18 to 22	Run b QA/QC Sample 3 to 7 ft
RB11-35	9	34 ft	28 to 34	Run c USEPA Split Sample 28 to 34 ft
RB11-36	9	32 ft	3 to 7, 8 to 12, 13 to 17, 18 to 22, 28 to 32	
RB11-S1	N/A	1 ft	0 to 1	Surface Soil Sample
RB11-S2	N/A	1 ft	0 to 1	Surface Soil Sample
RB11-S3	N/A	1 ft	0 to 1	Surface Soil Sample
RB11-S4	N/A	1 ft	0 to 1	Surface Soil Sample
RB11-S5	N/A	1 ft	0 to 1	Surface Soil Sample
RB11-S6	N/A	1 ft	0 to 1	Surface Soil Sample



Photograph 4-4 Geoprobe Unit in use at RB-11

Photograph 4-5 Close-up of Geoprobe Unit

trenches (9 ft deep), adjacent subsurface soil samples were collected 5, 10, and 20 ft below ground surface (bgs). The deep trench (20 ft deep) subsurface soil sampling depths were 5, 10, 15, 20, and 30 ft bgs.

Background subsurface soil samples were collected from each of two locations beyond the area of investigation. One background sample was collected approximately 400 ft northeast and upslope of RB-11. This location was proximal to a previous, off-site release of an unknown quantity of mercury. The second background sample was located downslope of RB-11, near a caretaker's trailer home.

All soil samples were analyzed for concentrations of petroleum hydrocarbon gasoline range organics (GRO) and diesel range organics (DRO), VOCs, SVOCs, metals [inductively coupled plasma (ICP) screen plus mercury], cyanide, gross alpha, gross beta, radium-226, radium-228, soil pH, and soil moisture. All soil samples were field screened with an organic vapor meter (PID and/or FID) to indicate the possible presence of chemical contamination. To detect the possible presence of mercury, a Jerome Model 431-X mercury vapor analyzer was used in the breathing zone and near the borehole after each sample collection. No elevated levels above background readings were detected.

4.2.3.4 Surface Soil Sampling

Surface soil sampling was conducted at RB-11 to determine if residual contaminants were present. If contaminants were adsorbed to soil particles, the processes of erosion and re-deposition of soil during overland flow of rainwater could present a potential migration pathway. Similarly, the possibility exists for eolian transport of potentially contaminated surface soil.

The six surface soil sample locations at RB-11 were chosen based on site topography and proximity to the trenches. All surface soil samples were collected using stainless-steel bowls, spoons, and trowels.

The soil samples were analyzed for concentrations of petroleum hydrocarbons (DRO and GRO), VOCs, SVOCs, metals (ICP screen plus mercury), cyanide, gross alpha, gross beta, radium-226, radium-228, soil pH, and soil moisture. All soil samples were field screened with an organic vapor meter (PID and/or FID) to indicate the possible presence of chemical contamination. To detect the possible presence of mercury, a Jerome Model 431-X mercury vapor analyzer was used in the breathing zone and near the borehole after each sample collection. No elevated levels above background readings were detected.

4.3 Site Characteristics

4.3.1 Geology

Thirty-eight soil borings were completed at RB-11, 15 of which were advanced to a depth of approximately 22 ft below grade, and 23 of which were advanced to approximately 32 ft below grade. Great care was taken in the identification of the trench boundaries as described in Section 4.2.3.2, Geophysical Survey, to ensure that waste materials were not encountered during drilling operations, and that the soils recovered represent undisturbed materials.

The soils encountered at RB-11 were deposited in an alluvial fan environment by sheet flows and ephemeral streams flowing generally westward from the uplifted Manzanita Mountains, located to the east of the site, toward the ancestral Rio Grande Valley, located west of the site. The soils are sand-rich and contain rock fragments derived from the Precambrian metasedimentary, metavolcanic, gneissic, and granitic units and upper Paleozoic limestone formations which form the Manzanita Mountains. The predominant lithologies encountered at RB-11 were silty sand and sand to gravely sand and gravel. Bedrock was not encountered in any of the boreholes; the maximum depth attained was 34 ft bgs. Cross-sectional drawings through RB-11 are presented in Appendix M.

Reconstructing the depositional environment of stream-deposited alluvium is complex and open to interpretation. The effort expended to understand the stratigraphy is, however, justified in environmental investigations. The resulting understanding of the geology aids in interpreting laboratory analyses of contaminants of concern. It is also useful to future investigations and remedial designing by identifying possible areas for contaminant accumulation and or migration pathways. The following discussion and figures exhibit one interpretation of the stratigraphy at RB-11.

The subsurface investigated at RB-11 can be divided vertically into three zones. Following are brief discussions of each of these three geologic zones.

Zone 1

The dominant lithology within Zone 1, located from the surface (average elevation of approximately 5456 ft msl) to an approximate depth of 10 ft bgs and an elevation of 5446 ft msl, is silty sand (SM), with lenses of sand (SP) and gravel-bearing sand (SW). These SP and SW lenses represent stream channel deposits formed within streams, probably braided, which flowed across the RB-11 area during Zone 1 time.

Figure 4-3 is a plan view lithologic map of Zone 1 at an elevation of 5450 ft msl. Two stream channels, which are indicated by presence of sand (SP), were present at the RB-11 area during Zone 1 time. The streams occupying these well-defined channels flowed generally westward.

The silty sand (SM) deposits adjacent to the channels represent overbank and non-reworked sediments; the presence of large quantities of silt with these sediments attests to the fact that less energy is involved in their deposition than in the adjacent stream-deposited and reworked sands (SP) and gravel-bearing sands (SW).

Zone 2

The dominant lithologies within Zone 2, located from an approximate elevation of 5446 ft msl to an approximate elevation of 5436 ft msl (10 to 20 ft below grade), are silty gravely sands (SM/SW), sands (SP), and gravely sands (SW).

Figure 4-4 is a plan view lithologic map of Zone 2 at an elevation of 5440 ft MSL. During Zone 2 time, sands (SP) and gravely sands (SW), as well as gravels (GM, GP, and GW), were deposited within high-energy stream channels.

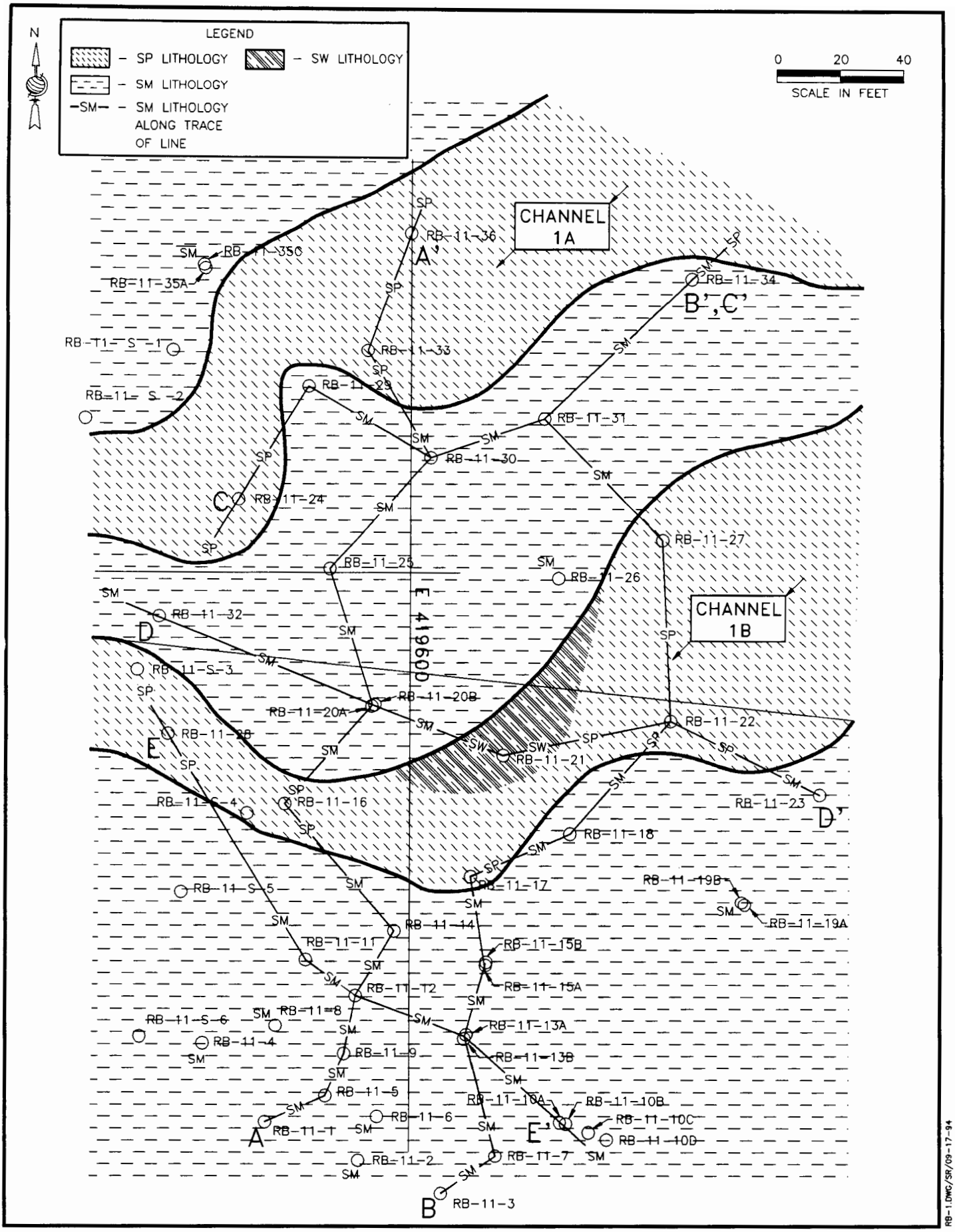
Silt-rich lithologies (i.e., SM and SM/SW) were deposited in lower-energy interchannel areas during Zone 2 time.

Zone 3

The dominant lithologies encountered within Zone 3, located below an approximate elevation of 5436 ft msl (greater than 20 ft below grade), are silty sands (SM), sands (SP), and gravel-bearing sands (SW).

Figure 4-5 is a plan view lithologic map of Zone 3 at an elevation of 5430 ft msl. Boreholes completed in the vicinity of Trenches 1 through 4 in the southern portion of the RB-11 area did not reach the 5430 ft msl datum.

During Zone 3 time, sands (SP) and gravely sands (SW), as well as gravel (GW), were deposited within a wide stream channel. Channel 3A entered the RB-11 area from the north and turned westward. Gravel was deposited in the vicinity of Borehole RB-11-35.



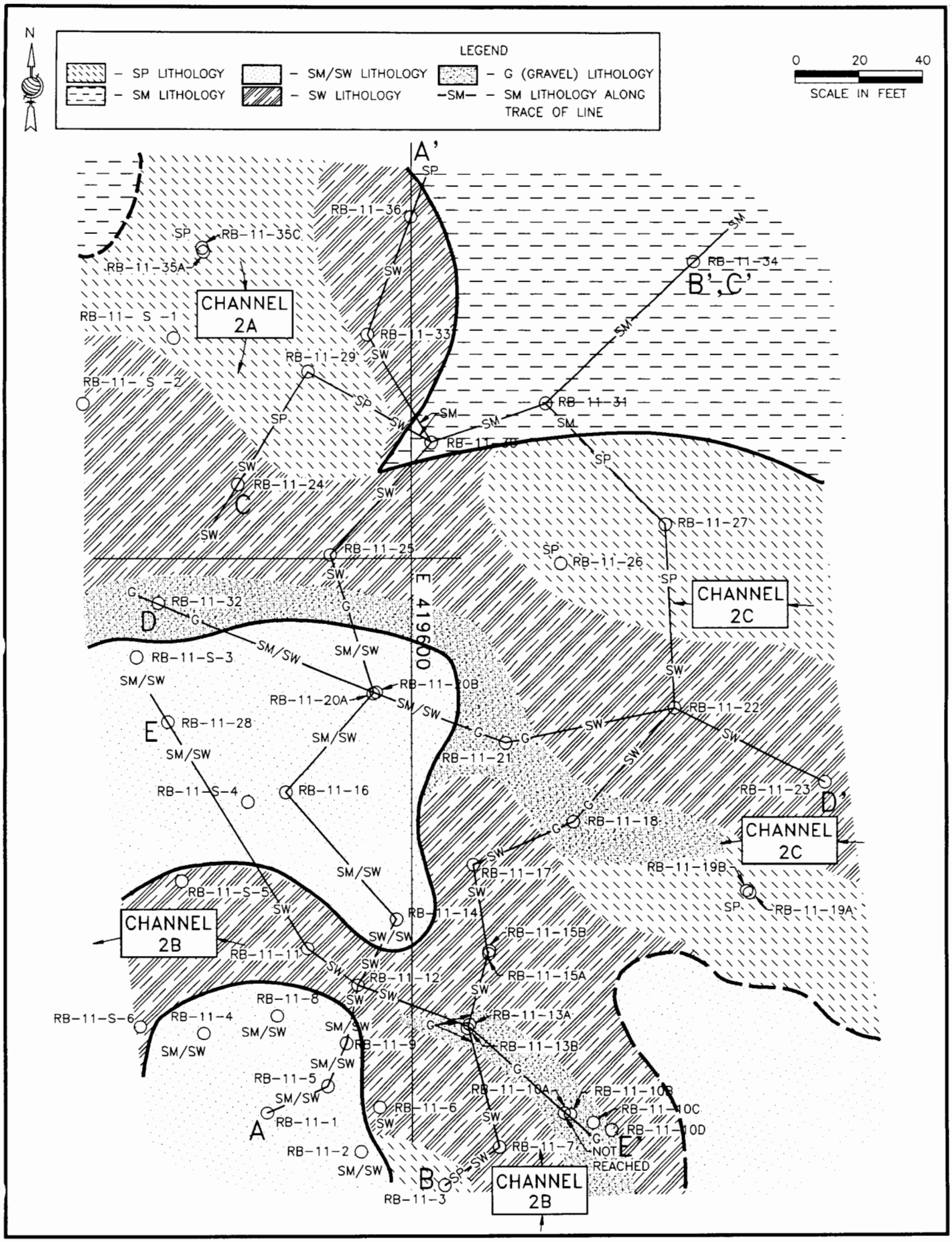
RB-1.DWG/SR/09-17-94

LITHOLOGIC MAP: ZONE 1
AT ELEVATION 5450 FEET
RB-11 SITE

FIGURE 4-3

RCRA FACILITY INVESTIGATION
STAGE 2D-1

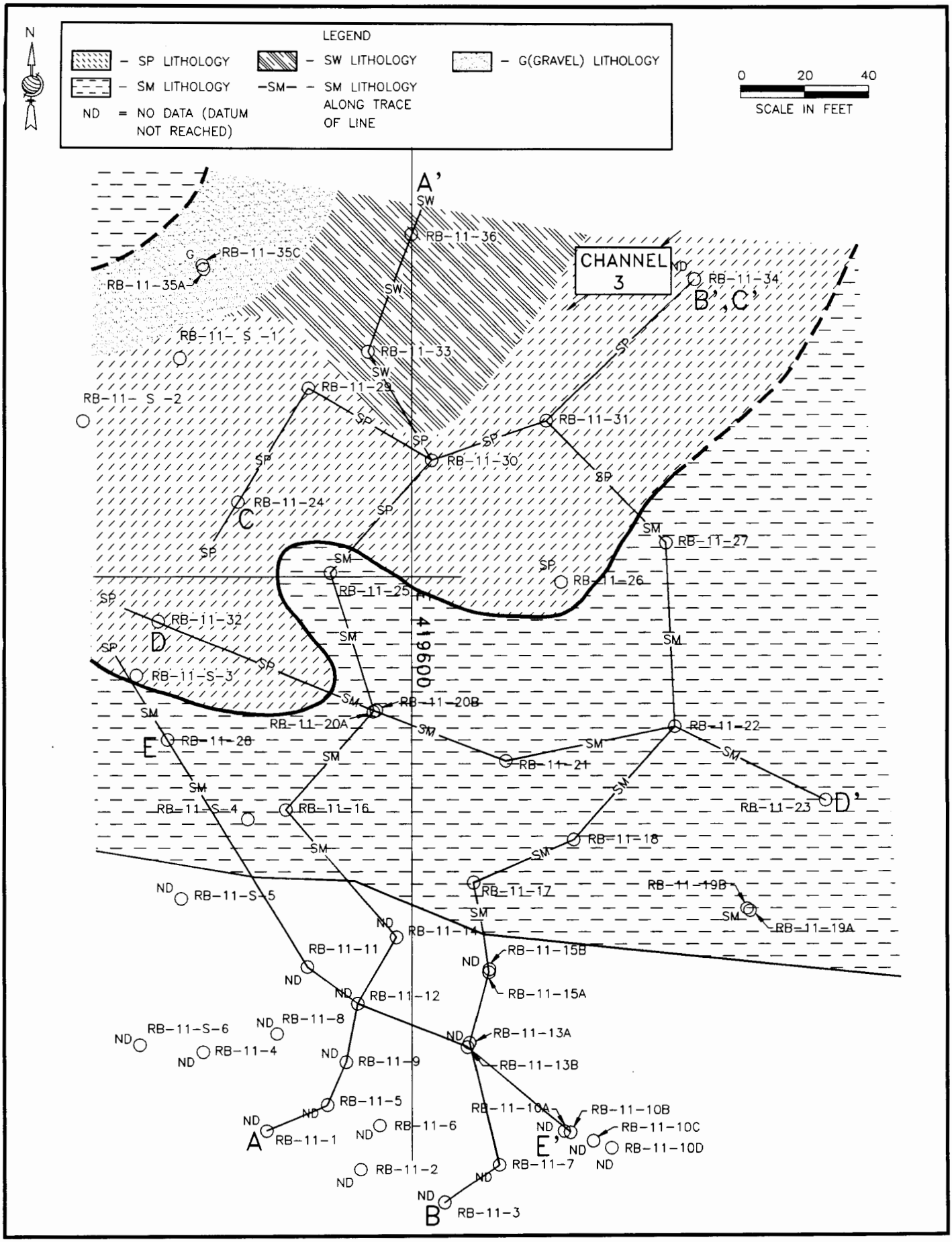
KIRTLAND AIR FORCE BASE, NEW MEXICO



LITHOLOGIC MAP: ZONE 2
AT ELEVATION 5440 FEET
RB-11 SITE

FIGURE 4-4

RCRA FACILITY INVESTIGATION
STAGE 2D-1
KIRTLAND AIRFORCE BASE, NEW MEXICO



LITHOLOGIC MAP: ZONE 3
AT ELEVATION 5430 FEET
RB-11 SITE

FIGURE 4-5

RCRA FACILITY INVESTIGATION
STAGE 2D-1
KIRTLAND AIR FORCE BASE, NEW MEXICO

4.3.2 Hydrogeology

Groundwater was not encountered in any of the boreholes completed at RB-11. The maximum depth attained was 34 ft. Depth to regional groundwater in the vicinity of RB-11 is approximately 300 ft (SNL, 1994); however, shallower perched water zones may be present.

Regional groundwater flow at Kirtland AFB is westward, toward the Rio Grande trough; however, cones of depression associated with groundwater production wells in the vicinity may result in localized variation to the regional direction of groundwater flow.

The RB-11 site is located near the border between the Hydrogeologic Region I (HR1) and Hydrogeologic Region II (HR2) saturated zone setting, as defined by SNL (SNL, 1994).

Within HR1, groundwater is encountered in the Upper Santa Fe sediments which occur within the Albuquerque-Belen Basin. Groundwater is generally believed to exist under unconfined conditions within the upper portion of the aquifer. Hydraulic conductivity values ranging from 2 to 171 ft/day have been reported for City of Albuquerque and Kirtland AFB water supply wells in the vicinity of HR1 (McCord, 1993).

Within HR2, the saturated zone hydrogeology is characterized by the juxtaposition of high-permeability Santa Fe Group sediments against low-permeability Precambrian and Paleozoic rocks as a result of vertical offset by faulting associated with the Tijeras/Hubbell Springs/Sandia Fault complex, as depicted in Figure 2-6 (Thorn, et al., 1993). Information pertaining to groundwater flow within HR2 is limited, except that a steep gradient exists across the fault zone. The static water level is estimated at 5710 ft msl to the east of the fault zone, whereas water levels range from 4920 ft msl to 4935 ft msl to the west of the fault zone at Sandia Technical Area III (SNL, 1994).

4.4 Nature and Extent of Contamination

One-hundred sixty-eight environmental samples were analyzed for concentrations of VOCs, SVOCs, metals (plus mercury), cyanide, total petroleum hydrocarbons (TPHs), radium 226 and 228, and gross alpha and beta. Soil moisture and pH analyses were also conducted. In addition, 17 field replicate QA/QC samples were analyzed for these same parameters.

4.4.1 Analytical Results

Organic Compounds

Seven VOCs were detected in the surface and subsurface soil samples of RB-11. As presented in Table 4-2, these contaminants were acetone, toluene, ethylbenzene, methylene chloride, tetrachloroethylene, 1,1,1-trichloroethane, and xylenes. None of the compounds was detected at levels exceeding HHRB action levels.

The presence of acetone and methylene chloride is likely to be the result of laboratory contamination. Methylene chloride and acetone are common ambient laboratory contaminants due to their use as extraction solvents for procedures conducted by the laboratory. A maximum concentration of 0.02 mg/l methylene chloride was noted in the equipment and trip blanks associated with RB-11 samples. The maximum laboratory blank detection of methylene chloride was 0.008 mg/l, indicating its introduction to the samples at the laboratory.

Toluene was detected in approximately 9 percent of the soil samples collected at RB-11. Detected levels ranged from 0.007 mg/kg (sample RB-11-S3) to 0.079 mg/kg (sample RB-11-98, 3 to 7 ft). The human health risk-based action level for toluene detections is 16,000 mg/kg. Thirteen of the 18 toluene detections occurred in the surface and near-surface depths.

Ethylbenzene was detected in fourteen samples, with concentrations ranging from 0.007 to 0.019 mg/kg. The human health risk-based action level for ethyl benzene is 8,000 mg/kg.

Three detections of tetrachloroethylene (PCE) were noted ranging from 0.055 to 2.1 mg/kg. Two of the detections were from samples collected in a background borehole. The human health risk-based action level for PCE is 800 mg/kg.

Low detections of 1,1,1-trichloroethane were observed to range from 0.005 to 0.008 mg/kg. A human health risk-based action level was unavailable for 1,1,1-trichloroethane.

Xylene analysis resulted in low detections ranging from 0.008 to 0.098 mg/kg. The human health risk-based action level for total xylene concentrations is 160,000 mg/kg.

SVOCs were detected at numerous borehole locations at RB-11. All detections were below HHRB action levels. The presence of bis(2-ethylhexyl)phthalate is likely to be the result of laboratory contamination. A maximum concentration of 10.0 mg/kg bis(2-ethylhexyl)phthalate was noted in laboratory method blanks associated with RB-11 samples. Soil sample concentrations for bis(2-ethylhexyl)phthalate ranged from 0.36 to 10.0 mg/kg.

Table 4-2. Summary of Reportable Concentrations for Soil Analyses at site RB-11, Kirtland AFB, New Mexico.[Ψ,1]

Chemical Class	Analyte	PQL / UTL	HHRB Action Level[2]	Borehole Number and Sample Depth Interval (ft)														
				RB-11-B1	*RB-11-BG01 Background*					*RB-11-B2*	*RB-11-BG02 Background*						*RB-11-01*	
				0-1	3-7	8-12	13-17	18-22	28-32	0-1	3-7	8-12	13-17	18-22	28-32	3-7	8-13	18-22
VOC (mg/kg)	Acetone	0.1	8000	ND	ND	ND UJ	ND	ND	ND	ND	ND	ND	ND UJ	ND UJ	ND	ND	ND	ND
	Ethylbenzene	0.005	8000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.016	ND	ND
	Methylene Chloride	0.005	93.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethylene(PCE)	0.005	800	ND	ND	2.1	0.055	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Toluene	0.005	16000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.064	ND	ND
	1,1,1-Trichloroethane	0.005	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	O-Xylene(1,2-Dimethylbenzene)	0.7	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.017	ND	ND
	M,P-Xylene(Sum of Isomers)	0.7	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.051	ND	ND
SVOC (mg/kg)	Benzo(b)fluoranthene	0.7	0.959	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzo(k)fluoranthene	0.7	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chrysene	0.7	9.59	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	di-n-Butyl Phthalate	0.005	1600	0.43	0.48	0.37	ND	ND	ND	0.36	0.44	ND	ND	0.34	ND	ND	ND	ND
	bis(2-Ethylhexyl)Phthalate	0.7	50	ND	6.5	0.36	ND	0.79	0.88	ND	ND	ND	ND	ND	0.43	ND	ND	ND
	Fluoranthene	0.7	3360	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Phenanthrene	0.7	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Pyrene	0.7	2400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TPH (mg/kg)	Diesel Fraction	10	100	12.5	ND	ND	ND	ND	ND	16.1	ND	ND	ND	ND	ND	ND	ND	ND
	Gasoline Fraction	1	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
METALS (mg/kg)	Aluminum	13300	N/A	8070	11600	7060	7980	6420	4520	13900	8690	7150	4870	4110	5680	9730	7010	4810
	Antimony	N/A	32	ND	ND	ND UJ	ND	ND	ND	24.1	ND	ND	ND UJ	ND UJ	ND	ND	ND	ND
	Barium	496	5600	86.2	174	154	80.5	89.9	46.3	101	252	125	71.2	44.7	136	145	110	44.3
	Beryllium	0.83	0.2	0.53	0.74	0.41	0.52	0.42	0.3	0.66	0.51	0.41	0.4	0.3	0.42	0.52	0.51	0.4
	Cadmium	N/A	40	0.63	ND	0.52	ND	0.52	ND	ND	ND	0.52	0.5	ND	ND	ND	ND	ND
	Calcium	119000	N/A	8420	34400	43900	28100	26600	102000	10800	36600	36600	30800	35200	25100	27500	47300	30500
	Chromium, Total	14.9	400	8.8	9.8	13.2 U	10.3	11.4	11	15	10.5	11.6	8.8 U	9.1 U	7.8	13.3	23.9	11.9
	Cobalt	11.3	N/A	7.6	7.1	8	7.3	7.8	5.3	9.2	6.7	6.3	6	5.8	5.1	8.2	8.2	7.3
	Copper	135	N/A	12.3	67.9	72.5	69.1	106	294	16.4	73.8	51.2	201	143	56.9	40.9	29.1	210
	Iron	20900	N/A	12800	13700	10900	12600	12000	7850	17300	11800	10300	9720	9140	8480	13700	14800	10400
	Lead	22.9	400	9.1	8.1	9.2	8.6	5.6	ND	8.6	8.1	8.2	5.5	6.6	5.7	5.6	6.9	ND
	Magnesium	8730	N/A	4150	5570	5070	5360	5330	3830	4980	5910	5200	3920	3460	3380	5470	5400	3470
	Manganese	435	400	296	332	255	270	287	211	316	232	235	292	203	187	276	274	265
	Mercury	N/A	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Molybdenum	N/A	400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Nickel	54.4	1600	8.1	33.7	202 J	20.5	31.6	75.8	13	50.3	44.8	38.7 J	19 J	27.7	14.3	20	17.9
	Potassium	2730	N/A	2790	2000	1760 J	1650	1080	869	3310	1920	1420	878 J	715 J	1340	1540	1060	756
	Selenium	N/A	400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Sodium	519	N/A	74.1	759	502 U	550	492	228	87.7	163	436	175 U	240 U	537	775	637	344
	Vanadium	49.2	720	24.9	26.7	23.3	24.8	22.2	15.3	32	33.5	21.4	17.9	17	17.8	25.6	26	19.2
	Zinc	81.6	24000	43.3	54.5	55.1 J	50.1	62.8	117	40.3	50.3	42.2	89 J	64.9 J	44.4	46.2	38.8	94
RAD (pCi/g)	Gross Alpha			21	18	24 UJ	21	18	12	20	15	18	10 J	12 J	16	1.4	28	21
	Gross Beta			27	17	30 J	20	19	12	25	23	15	13	23	22	2.5	22	24
	Radium-226			0.4	0.7	0.4 J	0.6	0.6	ND	0.4	0.6	0.5	0.6 J	0.6 J	0.5	0.5	0.5	0.7
	Radium-228			0.5	0.4	0.3 J	0.4	0.4	ND	0.4	0.3	0.4	0.5 J	0.3 J	0.3	0.6	0.5	0.4
OTHER	Moisture (%)			5	5.5	3.5	3.3	4.4	0.6	9.7	2.6	3.3	0.9	1.3	5.7	4	1.4	0.8
	pH			7.4	7.9	7.8	7.8	7.7	7.8	7.5	8	8	8	7.9	7.9	7.9	8.5	9.2

Ψ Complete table footnotes can be found after the last page of Table 4-2.

Chemical Class	Analyte	PQL / UTL	HHRB Action Level[2]	Borehole Number and Sample Depth Interval (ft)																
				RB-11-02					*RB-11-03*			*RB-11-04*			*RB-11-05*			*RB-11-06*		
				3-8	8-13	18-22	18-22	28-32	3-7	8-12	17-21	3-7	8-12	18-22	3-7	8-12	18-22	3-7	8-12	18-22
VOC (mg/kg)	Acetone	0.1	8000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene	0.005	8000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methylene Chloride	0.005	93.3	ND	ND	ND	0.006	0.007	ND	ND	ND	0.019	ND	ND	0.006	0.006	0.006	ND	ND	ND
	Tetrachloroethylene(PCE)	0.005	800	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Toluene	0.005	16000	ND	ND	ND	ND	ND	ND	ND	0.018	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane	0.005	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	O-Xylene(1,2-Dimethylbenzene)	0.7	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	M,P-Xylene(Sum of Isomers)	0.7	N/A	ND	ND	ND	ND	ND	ND	ND	0.013	ND	ND	ND	ND	ND	ND	ND	ND	ND
SVOC (mg/kg)	Benzo(b)fluoranthene	0.7	0.959	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzo(k)fluoranthene	0.7	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chrysene	0.7	9.59	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	di-n-Butyl Phthalate	0.005	1600	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	bis(2-Ethylhexyl)Phthalate	0.7	50	ND	ND	0.77	ND	0.74	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.54	ND	ND
	Fluoranthene	0.7	3360	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Phenanthrene	0.7	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Pyrene	0.7	2400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TPH (mg/kg)	Diesel Fraction	10	100	ND	ND	ND	ND	8.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Gasoline Fraction	1	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
METALS (mg/kg)	Aluminum	13300	N/A	7210	4350	5580	4480	9930	8250	7830	5130	10200	6110	4690	7760	8860	5260	8520	9570	2860
	Antimony	N/A	32	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Barium	496	5600	97.4	113	77.2	37.3	161	89.7	127	78.1	159	84.7	42.5	126	975	91	209	153	44 J
	Beryllium	0.83	0.2	0.41	0.41	0.41	0.41	0.9	0.52	0.52	0.4	0.52	0.4	0.3	0.41	0.52	0.3	0.52	0.52	ND
	Cadmium	N/A	40	ND	ND	ND	ND	0.67	ND	0.52	ND	6.2	ND	0.61	ND	ND	0.81	0.62	ND	ND UJ
	Calcium	119000	N/A	41700	93400	29300	37800	25800	25900	56200	28300	32800	34700	38100	23400	77200	41600	37600	42300	16400
	Chromium, Total	14.9	400	38.9	10.6	12.1	9.4	13.7	12.2	11.8	10	17.2	11.8	12	8.4	14.7	9.2	11.4	10.8	42.8
	Cobalt	11.3	N/A	6.4	4.9	7.1	7.5	9	7.4 J	7.6	6.9	8	8	6.4	6.5	8	7	7.1	6.6	3.5 J
	Copper	135	N/A	70.8	43.9	94.2	193	178	24.9	22.7	108	36.6	28.8	41.6	24.6	24.9	72.6	68.3	38.2	186 J
	Iron	20900	N/A	12300	7390	11700	10600	15200	13500	14200	10600	13800	13600	10700	12300	14400	11200	13800	13100	6710
	Lead	22.9	400	7.4	6.7	7.3	6.2	10.1	7.3	8.2	ND	80.2	6.9	ND	7.7	9.2	5.1	9.8	9.2	5.1
	Magnesium	8730	N/A	4920	2880	3610	3500	4910	5680	5460	3750	6420	4770	3800	5090	5970	4610	5880	5740	2510
	Manganese	435	400	428	158	267	236	448	274	245	214	271	270	216	251	237	280	301	238	150
	Mercury	N/A	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Molybdenum	N/A	400	8.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	13.2
	Nickel	54.4	1600	21.7	9.9	37.2	10.9	33	10	12.1	17.8	17.9	15.8	13.9	11.1	12.1	15.7	13.8	18.1	29.9
	Potassium	2730	N/A	1180	593	857	810	2050	1420	1170	988	1820	1050	727	1330	1310	836	1250	1540	551
	Selenium	N/A	400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Sodium	519	N/A	368	488	542	173	578	751	723	494	1090	441	324	563	727	392	895	844	209 J
	Vanadium	49.2	720	26.4	14.7	22	19.3	26	30.3	28.6	19.8	26.8	25	21.1	23.1	33.8	20.2	25.2	26.4	12.3
	Zinc	81.6	24000	53.4	33.9	59.9	84.6	101	38.2 J	37	60.7	42.1	38.3	32.9	35.5	38	54.4	56.5	41.3	75.6 J
RAD (pCi/g)	Gross Alpha			2.4	7	17	20	17	14	7.5	12	19	20	13	16	22	16	29	18	12 UJ
	Gross Beta			2.2	17	26	28	23	23 J	20	23	22	22	24	26	23	23	20	18	23 J
	Radium-226			0.5	0.7	0.6	0.2	0.4	0.7 J	0.5	0.6	0.9	0.7	0.7	0.6	0.3	0.8	0.4	0.8	0.6 J
	Radium-228			0.8	0.5	0.4	0.3	0.4	0.5 J	0.3	0.2	0.5	0.5	0.5	0.2	0.2	0.4	0.3	0.3	0.3 J
OTHER	Moisture (%)			3.3	2	2.2	2.4	10.8	4	4.7	1	4.5	1.1	0.9	2.5	3.5	1	3.4	4.1	0.7
	pH			8.3	8.2	8.9	7.8	8	8.1 J	8.1	8.2	7.8	7.8	7.8	7.8	8	7.8	7.9	7.8	7.9

Ψ Complete table footnotes can be found after the last page of Table 4-2.

Chemical Class	Analyte	PQL / UTL	HHRB Action Level[2]	Borehole Number and Sample Depth Interval (ft)																	
				RB-11-07			RB-11-08			RB-11-09			RB-11-10		RB-11-11			RB-11-12		
				3-7	8-12	18-22	3-7	8-12	18-22	3-7	8-11	18-22	3-7	8-12	1-7	8-12	18-24	3-7	8-12	18-24
VOC	Acetone	0.1	8000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
(mg/kg)	Ethylbenzene	0.005	8000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methylene Chloride	0.005	93.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.01	0.011	ND	ND	ND
	Tetrachloroethylene(PCE)	0.005	800	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Toluene	0.005	16000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane	0.005	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	O-Xylene(1,2-Dimethylbenzene)	0.7	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	M,P-Xylene(Sum of Isomers)	0.7	N/A	ND	ND	ND	ND	ND	ND	ND	ND	0.007	ND	ND	ND	ND	ND	ND	ND	ND
SVOC	Benzo(b)fluoranthene	0.7	0.959	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
(mg/kg)	Benzo(k)fluoranthene	0.7	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chrysene	0.7	9.59	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	di-n-Butyl Phthalate	0.005	1600	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	bis(2-Ethylhexyl)Phthalate	0.7	50	ND	ND	ND	ND	ND	ND	ND	0.61	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Fluoranthene	0.7	3360	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Phenanthrene	0.7	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Pyrene	0.7	2400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TPH	Diesel Fraction	10	100	11.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
(mg/kg)	Gasoline Fraction	1	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
METALS	Aluminum	13300	N/A	9560	6420	5840	6020	7460	6500	9100	8710	7450	7190	4700	7860	12000	9150	8370	5190	6830
(mg/kg)	Antimony	N/A	32	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Barium	496	5600	106	106	84.1	125	177	125 J	211	216 J	83.8	137	87.1	108	115	180	68.6	79.2	93.3
	Beryllium	0.83	0.2	0.63	0.51	0.41	0.41	0.41	0.41	0.63	0.52	0.41	0.52	0.4	0.51	0.63	0.52	0.52	0.31	0.52
	Cadmium	N/A	40	ND	ND	ND	ND	0.73	ND UJ	ND	1 U	ND	ND	ND	ND	ND	ND	0.62	0.52	ND
	Calcium	119000	N/A	27200	59400	25500	23900	44900	41100	31800	65800	25200	25100	42200	35300	34600	30600	35800	43700	34200
	Chromium, Total	14.9	400	12.8	9.6	12.3	9.1	11.8	12.8	12.5	13.1	10.1	8.7	7.7	11	17	13.5	10.5	9.4	8.7
	Cobalt	11.3	N/A	8.8 J	6.2	8.2	5.8	7.3	6.6 J	7.7	7.4 J	6.2	7	4.6	6.7	10.7	7.5	6.9	6.3	6.1
	Copper	135	N/A	21.3	29.2	55.7	55.6	24.6	69.4 J	36.1	96.2 J	59.1	25.2	27.5	29.2	23.8	105	29.2	68.4	35.3
	Iron	20900	N/A	14100	10300	11400	11600	13000	11800	14000	12500	11800	12800	8940	13300	16100	14300	13700	9860	11500
	Lead	22.9	400	6.4	9	6.2	10	9.6	6.7	8.4	7.1	6.1	8.5	5.9	8.5	7.4	6.7	5.2	10.8	6.4
	Magnesium	8730	N/A	6420	4480	4710	4770	5810	5010	6230	5790	4360	5140	3750	5960	6290	4650	6580	3920	4590
	Manganese	435	400	306	229	265	247	278	296	335	251	252	270	187	263	389	282	275	223	270
	Mercury	N/A	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Molybdenum	N/A	400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Nickel	54.4	1600	13.7	20.8	16.9	10.9	16.9	85.8	18.5	87.9	16.8	12.1	11.3	16.9	19.5	16.4	11.5	14.5	14.4
	Potassium	2730	N/A	1770	1190	1150	998	1080	982	1450	1670	1360	1160	729	1550	2250	1530	1790	795	1170
	Selenium	N/A	400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Sodium	519	N/A	905	655	518	644	790	697 J	966	771 J	723	559	328	565	961	779	685	537	811
	Vanadium	49.2	720	32.4	21.3	20.7	22.1	24.3	21.3	24.5	25.9	22.7	24.7	17.4	33.9	32.6	28.5	29.5	19.2	21.6
	Zinc	81.6	24000	37.3 J	34.7	44	47.7	38.2	55.6 J	48.2	68.8 J	45.7	37.2	30.6	42.4	39.6	60.5	41.8	44.2	42.9
RAD	Gross Alpha			11	5.3	12	17	33	31 J	15	21 J	24	17	16	19	13	19	16	23	27
(pCi/g)	Gross Beta			22 J	19	24	20	28	25 J	23	21 J	21	22	20	23	27	29	26	27	26
	Radium-226			0.4 J	0.8	0.2	0.5	0.5	0.4 J	0.6	0.6 J	0.7	0.5	0.4	0.6	0.5	0.6	0.6	0.5	0.5
	Radium-228			0.4 J	0.5	0.4	0.2	0.3	0.2 UJ	0.2	0.4 J	0.3	0.3	0.6	ND	0.5	0.3	0.4	ND	0.4
OTHER	Moisture (%)			4.1	2.8	3	2.7	3.6	2.5	4.3	4	2.8	4.2	1	2.1	4.9	3.8	3.8	3.3	3.5
	pH			8.2	8.1	8.1	8	8.1	8.1	7.8	8	8	8	7.9	8	7.8	8.2	8.1	7.9	8

Ψ Complete table footnotes can be found after the last page of Table 4-2.

Chemical Class	Analyte	PQL UTL	HHRB Action Level[2]	Borehole Number and Sample Depth Interval (ft)																	
				RB-11-13			RB-11-14			RB-11-15			RB-11-16					RB-11-17				
				1-9	9-13	17-21	1-7	8-12	18-22	3-7	8-12	18-24	3-7	8-12	13-21	21-25	28-30	3-7	8-12	13-18	18-23	28-32
VOC	Acetone	0.1	8000	ND	ND UJ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
(mg/kg)	Ethylbenzene	0.005	8000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.014
	Methylene Chloride	0.005	93.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethylene(PCE)	0.005	800	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Toluene	0.005	16000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.052
	1,1,1-Trichloroethane	0.005	N/A	ND	ND	ND	ND	0.006	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	O-Xylene(1,2-Dimethylbenzene)	0.7	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.015
	M,P-Xylene(Sum of Isomers)	0.7	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.056
SVOC	Benzo(b)fluoranthene	0.7	0.959	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
(mg/kg)	Benzo(k)fluoranthene	0.7	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chrysene	0.7	9.59	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	di-n-Butyl Phthalate	0.005	1600	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.56	ND	ND	ND	ND	ND	ND
	bis(2-Ethylhexyl)Phthalate	0.7	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.2	ND	ND	0.62	ND	ND	ND	ND
	Fluoranthene	0.7	3360	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Phenanthrene	0.7	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Pyrene	0.7	2400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TPH	Diesel Fraction	10	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
(mg/kg)	Gasoline Fraction	1	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
METALS	Aluminum	13300	N/A	5180	6100	3610	11500	9700	4980	7440	8980	5430	8450	9160	6750	7230	5380	9130	8200	7250	5660	5080
(mg/kg)	Antimony	N/A	32	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Barium	496	5600	156	139 J	28.5	174	100	48.9	165	390	53.9	210	199	91.3	91	70.4	204	213	100	54.9	91.8
	Beryllium	0.83	0.2	0.3	0.41 J	ND	0.52	0.42	0.3	0.41	0.41	0.31	0.52	0.51	0.51	0.51	0.41	0.62	0.51	0.51	0.41	0.42
	Cadmium	N/A	40	0.71	0.93 U	ND	0.83	ND	0.51	0.62	0.62	ND	ND	0.51	ND	ND	0.61	ND	ND	0.51	ND	ND
	Calcium	119000	N/A	48600	52000	14300	95200	59700	31900	42100	39700	28800	41200	60500	37600	33300	43100	52600	39500	42400	45000	51000
	Chromium, Total	14.9	400	7.3	8.7	6.5	10.5	15.3	10.1	10.2	19.4	12.5	10.4	16.2	18.5	11.4	9.2	10.6	15.1	14.5	10.9	9.4
	Cobalt	11.3	N/A	4	6.5 J	4.7	9.1	9.1	6	6.8	9.1	8.1	7.1	9.3	8.3	7.2	6	7.5	8.6	9.9	8	5.4
	Copper	135	N/A	38.4	32.9 J	51.4	36.1	35.5	98	19.4	26.9	48.5	27.5	51.7	239	74.2	1210	28.5	60.9	63.1	70	28.3
	Iron	20900	N/A	8140	10300	6610	13200	13700	10200	12200	13300	11600	13900	12900	15600	11800	11200	13700	14000	15700	12200	8750
	Lead	22.9	400	6.7	6.2	ND	7.7	ND	6.7	9.6	5.9	ND	ND	7.6	6.8	5.9	ND	ND	ND	ND	ND	ND
	Magnesium	8730	N/A	4270	4890	3150	5000	6300	4390	6130	6530	4730	7030	6330	5070	4060	4430	6180	5170	5540	4800	3380
	Manganese	435	400	229	245	191	237	247	250	260	277	249	300	271	327	258	234	245	260	284	221	197
	Mercury	N/A	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Molybdenum	N/A	400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Nickel	54.4	1600	13.8	15.9	12.6	11.6	36.5	20.5	14.2	29.2	29	12.7	37.6	48.1	17.3	15.3	13.2	35.7	31.4	20.1	17.6
	Potassium	2730	N/A	1760	986 J	557	2540	1760	911	1240	1520	799	1870	1630	1010	992	921	1210	1310	1080	1070	684
	Selenium	N/A	400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Sodium	519	N/A	97.7	191 J	207	128	778	330	566	493	146	474	706	524	643	442	253	249	223	186	300
	Vanadium	49.2	720	19	20.1 J	11.6	34.6	30	18.9	28.3	28.2	21	34.7	29	27	22.6	21.8	34	30.1	29.2	21.6	18.2
	Zinc	81.6	24000	38.1	37.4 J	37	44.5	39.7	56.7	33.9	35.2	39.3	44.4	48.2	118	49.3	451	41.4	49.8	53.8	55.8	31.1
RAD	Gross Alpha			19	30 J	19	15	29	23	20	12	19	31	16	22	5.2	13	4.1	14	14	16	21
(pCi/g)	Gross Beta			26	31	31	23	30	25	26	24	24	27	18	22	19	23	2.4	22	23	23	30
	Radium-226			0.9	0.6 J	0.5	0.7	0.8	1.0	1.2	0.6	0.7	0.6	0.4	0.5	0.2	0.4	0.6	0.4	0.5	0.4	0.5
	Radium-228			0.3	0.4 J	0.2	0.4	0.3	0.4	0.7	0.2	0.3	0.4	0.4	0.2	0.3	0.3	0.3	0.5	0.4	0.6	0.4
OTHER	Moisture (%)			1.6	3	0.9	3.8	4.3	1.3	3.4	3.5	2.6	3.1	2.5	1.5	1.2	1.6	3	2.2	2	1.3	4.2
	pH			7.7	7.7	8	7.7	7.8	8	8	7.9	7.8	8.5	8.2	8.9	8.9	8.7	8.3	8.2	8.6	8.8	8.6

Ψ Complete table footnotes can be found after the last page of Table 4-2.

Chemical Class	Analyte	PQL UTL	HHRB Action Level[2]	Borehole Number and Sample Depth Interval (ft)														
				RB-11-18					*RB-11-19*					*RB-11-20*				
				1-7	7-11	13-17	18-22	28-32	3-7	8-12	13-19	19-23	28-33	3-7	8-12	13-17	18-22	28-32
VOC	Acetone	0.1	8000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
(mg/kg)	Ethylbenzene	0.005	8000	0.008	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methylene Chloride	0.005	93.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.006	0.006	0.006	0.006
	Tetrachloroethylene(PCE)	0.005	800	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Toluene	0.005	16000	0.031	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane	0.005	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	O-Xylene(1,2-Dimethylbenzene)	0.7	N/A	0.009	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	M,P-Xylene(Sum of Isomers)	0.7	N/A	0.032	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SVOC	Benzo(b)fluoranthene	0.7	0.959	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
(mg/kg)	Benzo(k)fluoranthene	0.7	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chrysene	0.7	9.59	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	di-n-Butyl Phthalate	0.005	1600	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.51	ND	ND	ND	ND	ND
	bis(2-Ethylhexyl)Phthalate	0.7	50	0.93	ND	ND	ND	1.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Fluoranthene	0.7	3360	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Phenanthrene	0.7	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Pyrene	0.7	2400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TPH	Diesel Fraction	10	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
(mg/kg)	Gasoline Fraction	1	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
METALS	Aluminum	13300	N/A	8730	8840	4250	4790	3760	8040	10300	7050	8800	5150	5660	7750	6500	5000	3870
(mg/kg)	Antimony	N/A	32	ND	ND	ND	ND	ND	28.8	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Barium	496	5600	195	101	79	52.8	96.7	329	176	63.7	200	110	178	144	137	58.1	54.1
	Beryllium	0.83	0.2	0.52	0.52	0.3	0.3	0.31	0.52	0.62	0.51	0.51	0.51	0.41	0.52	0.41	0.3	0.4
	Cadmium	N/A	40	ND	ND	0.61	ND	ND	0.73	ND	0.51	0.92	ND	ND	ND	ND	ND	ND
	Calcium	119000	N/A	88000	31400	36600	23000	37800	107000	28800	23300	41000	37100	37500	45300	76900	50100	29900
	Chromium, Total	14.9	400	10	16.8	189	13.1	7.7	8.6	23.7	23.6	22.3	11.7	7.5	15.2	34.3	11.4	10
	Cobalt	11.3	N/A	6.6	8.9	6.2	7.2	5.3	5.9	11.6	9.8	7.8	6.7	5.3	7.8	7.7	8.7	5.3
	Copper	135	N/A	295	20.8	51.5	217	74.4	47.8	32	66.5	61.8	270	50.2	61.8	54.1	96.4	127
	Iron	20900	N/A	12600	16400	14300	10800	9360	11700	18300	17200	15100	11900	11400	13300	13500	10700	9700
	Lead	22.9	400	6.1	7.2	5.8	5.1	ND	5.5	8.8	ND	8.1	ND	6.6	6.2	8.1	5.6	ND
	Magnesium	8730	N/A	5090	6570	4320	3970	3020	6100	8610	6510	6020	3930	4870	5610	5600	4640	2750
	Manganese	435	400	201	330	303	211	234	204	380	304	275	253	213	246	270	259	292
	Mercury	N/A	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Molybdenum	N/A	400	ND	ND	69.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Nickel	54.4	1600	14.3	18	18.8	11	12.1	10.9	21.4	21.4	449	26.2	11	20.4	23.3	18.1	16.6
	Potassium	2730	N/A	1610	1230	927	684	565	1370	1540	1190	1610	916	1010	1110	1230	1050	701
	Selenium	N/A	400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Sodium	519	N/A	103	466	206	209	252	345	352	208	270	182	121	451	221	284	275
	Vanadium	49.2	720	26.8	28.1	28.2	19.6	22	24.8	34.8	32	30.8	21.8	26.2	24.9	26.5	20.2	19.1
	Zinc	81.6	24000	125	40.2	45.1	98.3	45.1	41	47.5	51.5	53.1	114	40.5	50.4	41.8	56.2	64.7
RAD	Gross Alpha			21	20	18	9	19	19	16	16	12	21	19	13	20	26	8.8
(pCi/g)	Gross Beta			23	22	26	23	25	25	21	21	26	27	25	19	24	23	21
	Radium-226			0.6	0.6	0.7	0.7	0.9	0.4	0.5	0.4	0.6	0.8	0.4	0.3	0.4	0.3	0.6
	Radium-228			0.7	0.4	0.4	0.8	0.3	0.4	0.5	0.4	0.5	0.4	0.4	0.4	0.4	0.4	0.4
OTHER	Moisture (%)			3.9	3.9	0.9	1.6	1.7	4.4	3.1	1.8	2.7	1.5	1.6	3.5	2.1	1.3	1.2
	pH			8.1	8.3	8.5	8.6	8.4	8.1	8.4	8.4	8.2	8.3	8	8	8	8	7.8

Ψ Complete table footnotes can be found after the last page of Table 4-2.

Chemical Class	Analyte	PQL / UTL	HHRB Action Level[2]	Borehole Number and Sample Depth Interval (ft)															
				RB-11-21					*RB-11-22*					*RB-11-23*					
				3-7	8-12	13-17	18-22	28-32	3-7	8-12	13-17	18-22	28-32	3-7	8-12	13-17	18-22	28-32
VOC (mg/kg)	Acetone	0.1	8000	ND	ND	ND	ND UJ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene	0.005	8000	ND	ND	ND	ND	ND	ND	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methylene Chloride	0.005	93.3	ND	ND	ND	ND	ND	0.006	0.007	0.005 J	0.006	0.007	ND	ND	ND	0.006	0.007
	Tetrachloroethylene(PCE)	0.005	800	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Toluene	0.005	16000	ND	ND	ND	ND	ND	ND	0.038	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane	0.005	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	O-Xylene(1,2-Dimethylbenzene)	0.7	N/A	ND	ND	ND	ND	ND	ND	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND
	M,P-Xylene(Sum of Isomers)	0.7	N/A	ND	0.006	ND	ND	ND	ND	0.036	ND	ND	ND	ND	ND	ND	ND	ND	ND
SVOC (mg/kg)	Benzo(b)fluoranthene	0.7	0.959	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzo(k)fluoranthene	0.7	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chrysene	0.7	9.59	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	di-n-Butyl Phthalate	0.005	1600	0.36	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	bis(2-Ethylhexyl)Phthalate	0.7	50	2.1	ND	ND	ND	ND	ND	ND	ND	ND	0.74	ND	ND	ND	ND	ND	ND
	Fluoranthene	0.7	3360	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Phenanthrene	0.7	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Pyrene	0.7	2400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TPH (mg/kg)	Diesel Fraction	10	100	ND	ND	ND	ND	ND	7.07	7.4	ND	ND	8.9	ND	ND	ND	ND	ND	ND
	Gasoline Fraction	1	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
METALS (mg/kg)	Aluminum	13300	N/A	4980	6830	5090	4390	5210	6990	6070	6460	4480	9930	8140	8370	6680	5970	6470	
	Antimony	N/A	32	21.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Barium	496	5600	168	131	111	48.8	188	192	175	117	37.3	161	336	160	76.4	77.2	124	
	Beryllium	0.83	0.2	0.51	0.41	0.4	0.31	0.42	0.53	0.42	0.41	0.41	0.9	0.52	0.52	0.4	0.4	0.51	
	Cadmium	N/A	40	ND	ND	0.81	ND	ND	ND	0.84	ND	ND	0.67	ND	ND	0.5	ND	ND	
	Calcium	119000	N/A	131000	56500	48600	29700	50900	92100	43600	36100	37800	25800	39500	44500	21200	24200	26800	
	Chromium, Total	14.9	400	6.8	12.8	16.1	23.2	9	11.6	9.4	14.5	9.4	13.7	10.2	15.6	16.6	14.7	9.7	
	Cobalt	11.3	N/A	5.4	6.6	6.1	7.5 J	5.6	6.2	7.7	7.7	7.5	9	8	9.4	10.2	8.2	7.2	
	Copper	135	N/A	30.7	107	112	259	89.7	26.6	30.8	88.3	193	178	58.2	80.1	138	150	97.2	
	Iron	20900	N/A	8930	11200	11500	13400	11200	10400	11500	11800	10600	15200	12000	14600	13500	13600	12700	
	Lead	22.9	400	ND	5.3	ND	6.2	ND	5.9	10.1	7.2	6.2	10.1	ND	6.8	5.5	5.6	5.8	
	Magnesium	8730	N/A	4310	4450	5700	4160	3870	5180	5040	5350	3500	4910	5820	6060	5930	5330	3770	
	Manganese	435	400	266	235	225	249 J	308	177	257	290	236	448	261	268	303	267	279	
	Mercury	N/A	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Molybdenum	N/A	400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Nickel	54.4	1600	11.4	39.9	13.1	19.6 J	26	10.8	13.9	150	10.9	33	10.6	17.2	24.6	34.1	12.3	
	Potassium	2730	N/A	649	1370	783	824	779	1180	1040	1270	810	2050	1270	1490	1180	1090	1200	
	Selenium	N/A	400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Sodium	519	N/A	167	123	170	148 J	469	391	344	216	173	578	299	422	299	305	365	
	Vanadium	49.2	720	19.9	21.8	20.3	24.6	26.5	23.5	23.8	21.8	19.3	26	23.9	31.4	24.9	25	24	
	Zinc	81.6	24000	29.5	59	60.5	112	56.2	30.7	37	55	84.6	101	47.9	58.8	74.6	76.9	58.5	
RAD (pCi/g)	Gross Alpha			14	7.9	13	14 UJ	18	23	11	15	20	17	20	13	12	15	30	
	Gross Beta			21	22	23	25 J	24	23	22	21	28	23	28	19	24	23	19	
	Radium-226			1.8	0.6	0.6	1 J	0.6	0.5	0.6	0.6	0.2	0.4	0.4	0.4	0.4	0.5	0.5	
	Radium-228			0.6	0.3	0.3	0.5 J	0.3	0.4	0.5	0.4	0.3	0.4	0.6	0.2	0.3	0.4	0.4	
OTHER	Moisture (%)			1.6	1.6	1.2	1.9	4	5.2	4.2	2	2.4	10.8	3.4	4.7	0.9	1.2	2.3	
	pH			8.1	8.1	8.3	8.4	7.8	7.9	7.9	7.8	7.8	8	8	7.9	7.9	7.9	8	

Ψ Complete table footnotes can be found after the last page of Table 4-2.

Chemical Class	Analyte	PQL / UTL	HHRB Action Level[2]	Borehole Number and Sample Depth Interval (ft)														
				RB-11-24					*RB-11-25*					*RB-11-26*				
				3-7	8-12	13-17	18-22	28-32	3-7	8-12	13-17	18-22	28-32	3-7	8-12	13-17	18-22	28-32
VOC (mg/kg)	Acetone	0.1	8000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND UJ	ND
	Ethylbenzene	0.005	8000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.008
	Methylene Chloride	0.005	93.3	ND	ND	ND	ND	ND	0.006	0.006	ND	ND	ND	0.008	0.008	ND	0.010 U	0.008
	Tetrachloroethylene(PCE)	0.005	800	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Toluene	0.005	16000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.029
	1,1,1-Trichloroethane	0.005	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.006	0.006	ND	ND	ND
	O-Xylene(1,2-Dimethylbenzene)	0.7	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.008
	M,P-Xylene(Sum of Isomers)	0.7	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.029
SVOC (mg/kg)	Benzo(b)fluoranthene	0.7	0.959	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzo(k)fluoranthene	0.7	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chrysene	0.7	9.59	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	di-n-Butyl Phthalate	0.005	1600	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	bis(2-Ethylhexyl)Phthalate	0.7	50	ND	ND	ND	ND	ND	ND	0.44	0.9	ND	0.86	ND	ND	ND	ND	1
	Fluoranthene	0.7	3360	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Phenanthrene	0.7	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Pyrene	0.7	2400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TPH (mg/kg)	Diesel Fraction	10	100	ND	ND	ND	ND	ND	9.8	13.1	ND	ND	ND	ND	ND	ND	ND	ND
	Gasoline Fraction	1	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
METALS (mg/kg)	Aluminum	13300	N/A	8190	5530	4250	7140	3990	7930	7490	6610	5570	4310	9810	10800	10500	6200	8740
	Antimony	N/A	32	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND R	ND
	Barium	496	5600	138	83.7	51	146	96.3	287	448	152	50.9	95	233	146	167	87.9 J	112
	Beryllium	0.83	0.2	0.63	0.41	0.4	0.51	0.41	0.52	0.63	0.51	0.4	0.41	0.51	0.62	0.52	0.3	0.64
	Cadmium	N/A	40	0.52	ND	ND	ND	ND	ND	ND	0.61	ND	ND	1	0.62	0.83	0.61 J	0.74
	Calcium	119000	N/A	27400	33800	50000	48500	12700	63600	69900	47300	22000	22000	59100	22800	44500	35800	48700
	Chromium, Total	14.9	400	12.3	10.5	13.5	13.1	5.4	9.7	13	14.3	14.5	7.7	12.4	13.1	17.3	13.7	11.7
	Cobalt	11.3	N/A	6.5	7.3	6.5	7.4	5.4	7	7.8	6.7	8	6.1	7.9	9.6	10.1	7.3	8.7
	Copper	135	N/A	67	39.1	435	190	90.4	30.8	72.9	170	154	106	57.3	582	156	281	145
	Iron	20900	N/A	12800	12600	10700	12100	7960	12300	12600	12400	12000	8620	14200	15500	16500	12200	13000
	Lead	22.9	400	7.8	ND	ND	5.6	ND	6.6	ND	7.1	5.1	ND	9.6	10.3	7.3	5.3	6.2
	Magnesium	8730	N/A	5440	4560	3580	4930	2880	6000	5540	4940	5150	3370	5870	5620	6090	4560	4390
	Manganese	435	400	212	293	266	246	180	230	226	275	271	198	297	397	321	252	250
	Mercury	N/A	20	ND	ND	ND	0.57	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Molybdenum	N/A	400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Nickel	54.4	1600	27.1	12.8	13.2	44.2	10.5	10	17.5	48.9	35.1	47.8	54.6	49.5	109	221	52.5
	Potassium	2730	N/A	1590	903	742	1420	919	1150	1050	1220	967	819	1910	2980	2220	1180 J	1760
	Selenium	N/A	400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND UJ	ND
	Sodium	519	N/A	414	322	242	243	413	322	303	258	286	411	311	134	196	136 J	344
	Vanadium	49.2	720	28.1	21.9	19.1	24.9	16.9	31.8	29	24.6	21.7	16.6	30.1	29	34.1	22.7	28
	Zinc	81.6	24000	50.1	37.7	164	91.5	48.7	37.2	52.6	76	72.5	59.1	48.9	54.6	81	118	78
RAD (pCi/g)	Gross Alpha			23	19	21	26	16	19	14	21	13	13	25	22	14	14 UJ	14
	Gross Beta			22	22	26	23	22	20	24	22	29	28	21	27	24	17	22
	Radium-226			0.5	0.5	0.7	0.8	0.5	0.7	0.3	0.6	0.4	0.5	0.8	0.7	0.5	0.5 J	0.4
	Radium-228			0.3	0.3	0.5	0.5	0.4	0.4	0.2	0.2	0.2	0.2	0.4	0.4	0.3	0.5 J	0.4
OTHER	Moisture (%)			4.3	2.1	1.1	1.8	2.3	3.1	4.6	1.8	1.1	2.2	2.9	3.9	3.5	1.2	5.7
	pH			7.9	7.9	8	7.9	7.9	7.9	7.8	8	7.9	7.8	7.9	7.6	7.9	7.8	7.9

Ψ Complete table footnotes can be found after the last page of Table 4-2.

Chemical Class	Analyte	PQL / UTL	HHRB Action Level[2]	Borehole Number and Sample Depth Interval (ft)																			
				RB-11-27					RB-11-28					RB-11-29					RB-11-30				
				3-7	8-12	13-17	18-22	28-32	3-7	8-12	13-17	18-22	28-32	3-7	8-12	13-17	18-22	28-32	3-7	8-12	13-17	18-22	28-32
VOC (mg/kg)	Acetone	0.1	8000	ND	ND	ND	ND	ND	ND	ND	ND UJ	ND	ND UJ	ND	ND	ND UJ	ND	ND	ND	ND	ND	ND	ND
	Ethylbenzene	0.005	8000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.007	ND	ND	ND	ND	0.011	ND	ND	ND	ND
	Methylene Chloride	0.005	93.3	0.009	0.008	0.007	0.007	0.008	0.008	0.007	0.01 U	0.007	0.01 U	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethylene(PCE)	0.005	800	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Toluene	0.005	16000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.03	ND	ND	ND	ND	0.045	ND	ND	ND	ND
	1,1,1-Trichloroethane	0.005	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	O-Xylene(1,2-Dimethylbenzene	0.7	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.008	ND	ND	ND	ND	0.011	ND	ND	ND	ND
	M,P-Xylene(Sum of Isomers)	0.7	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.027	ND	ND	ND	ND	0.04	ND	ND	ND	ND
SVOC (mg/kg)	Benzo(b)fluoranthene	0.7	0.959	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzo(k)fluoranthene	0.7	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chrysene	0.7	9.59	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	di-n-Butyl Phthalate	0.005	1600	0.39	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	bis(2-Ethylhexyl)Phthalate	0.7	50	ND	ND	ND	ND	1.8	ND	ND	ND	0.5	0.48	ND	ND	ND	ND	ND	ND	ND	ND	ND	10
	Fluoranthene	0.7	3360	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Phenanthrene	0.7	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Pyrene	0.7	2400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TPH (mg/kg)	Diesel Fraction	10	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Gasoline Fraction	1	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
METALS (mg/kg)	Aluminum	13300	N/A	11100	7530	5860	4800	8940	9270	7440	5140	5570	6920	9950	9990	6610	5590	3300	10000	7170	6380	3990	5510
	Antimony	N/A	32	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Barium	496	5600	356	402	59.1	52.9	78.3	127	250	145	74.4	140	165	103	170	60.7	82.5	203	143	129	46.4	78.2
	Beryllium	0.83	0.2	0.63	0.41	0.4	0.3	0.63	0.5	0.4	0.3	0.4	0.51	0.62	0.52	0.4	0.3	0.4	0.73	0.51	0.61	0.3	0.3
	Cadmium	N/A	40	0.84	0.71	ND	0.71	ND	0.81	0.81	0.61 J	0.8	0.82 J	0.73	0.83	0.51 U	ND	0.8	ND	ND	2	0.81	0.91
	Calcium	119000	N/A	65700	72600	34400	23000	27500	36500	56200	51600	52500	40400	37700	45800	21600	64800	72300	47100	29700	37600	39000	39500
	Chromium, Total	14.9	400	12.4	14.1	11.7	11.4	16.8	11.9	16.3	11	13.5	9.7	10.5	11.7	9.8 J	9.1	6.4	12.3	11.3	1130	9.3	23.7
	Cobalt	11.3	N/A	7.2	8.5	8.5	7.7	8.2	6.9	8.7	6.6	7.5	5.9	8.2	7.1	7.2 J	6.6	3.3	8.6	7.7	8.9	4.9	7.4
	Copper	135	N/A	31.4	36.9	78.5	83.4	70	106	129	168	181	77.3	36.4	40.8	52.2 J	171	280	49.3	33.8	139	125	168
	Iron	20900	N/A	13800	12500	11800	9490	13300	12800	13600	9290	13800	11600	13200	13100	9860	9320	7760	14300	11700	45300	7320	9550
	Lead	22.9	400	7.9	5.3	5	5.6	7.9	9.1	6.7	6.1	6.9	6.2	8.4	5.8	8.5	7.2	ND	7.2	7.8	7.4	5.7	ND
	Magnesium	8730	N/A	5700	6670	5260	4470	4420	4540	6220	4680	4830	3920	5790	5390	4240	4760	18200	4840	4550	4650	3500	4550
	Manganese	435	400	236	232	265	222	273	254	248	304	244	210	322	220	377	242	475	325	318	516	216	304
	Mercury	N/A	20	ND	ND	ND	0.11	ND	ND	ND	ND	ND	ND	ND	ND	0.11	0.22	ND	ND	0.17	0.1	0.11	ND
	Molybdenum	N/A	400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	429	ND	ND
	Nickel	54.4	1600	12.4	40	22.7	22.3	65.9	104	86.1	306	36.6	30.3	12.7	15.7	67.9 J	12.6	14.6	12	109	232	94	32
	Potassium	2730	N/A	1790	979	1300	856	1730	2870	1510	964	1030	1200	1550	2050	1740 J	1020	709	1860	2190	1430	706	907
	Selenium	N/A	400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Sodium	519	N/A	519	379	263	226	507	101	456	314 J	424	660	311	291	140	239	218	99.7	85.3	166	170	338
	Vanadium	49.2	720	28.3	30.6	20.2	16.9	25.3	25.8	30.1	19.8	24.6	22.3	26.6	28.2	17.9	19.2	15.1	27	22.6	100	14.3	19.5
	Zinc	81.6	24000	38.2	35.9	53.2	48.3	52.4	64.1	67.5	79.2 J	87.3	58.3	46.6	41.4	50.7	85.2	123	45.5	40.3	68.8	63.1	78.2
RAD (pCi/g)	Gross Alpha			28	42	28	37	11	13	15	11 U	16	13 UJ	22	13	6.6 UJ	9.6	29	14	27	25	20	17
	Gross Beta			20	24	35	28	23	24	24	25	14	21	24	21	24 J	17	22	28	27	25	25	27
	Radium-226			0.5	0.4	0.4	0.6	0.4	0.6	0.7	0.8 J	0.7	0.7 J	0.6	0.9	0.7 J	0.6	0.6	0.6	0.7	0.6	0.6	0.5
	Radium-228			0.3	0.4	0.3	0.4	0.4	0.3	0.4	0.4 J	0.2	0.3 J	0.4	0.4	0.3 J	0.3	0.2	0.4	0.4	0.5	0.4	0.2
OTHER	Moisture (%)			4.5	2	0.6	1.4	5.2	0.9	1	1	0.5	2.6	3.7	4	1.2	1	0.6	4.2	1.5	1.6	0.7	1.5
	pH			7.9	7.9	7.9	7.7	7.8	7.7	8	8	7.9	7.8	8	8	7.8	7.8	8	7.7	7.7	7.8	8.1	8

Ψ Complete table footnotes can be found after the last page of Table 4-2.

Chemical Class	Analyte	PQL	HHRB Action Level[2]	Borehole Number and Sample Depth Interval (ft)																			
				RB-11-31					*RB-11-32*					*RB-11-33*					*RB-11-34*			
		UTL		3-7	8-12	13-17	18-22	28-34	3-7	8-12	13-17	18-22	28-32	3-7	8-12	13-17	18-22	28-34	3-7	8-12	13-17	18-22
VOC	Acetone	0.1	8000	ND	ND	ND	ND	ND	ND	ND	ND UJ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
(mg/kg)	Ethylbenzene	0.005	8000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.011	ND	ND	ND	ND	0.012	ND
	Methylene Chloride	0.005	93.3	ND	ND	ND	ND	ND	0.009	ND	ND UJ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tetrachloroethylene(PCE)	0.005	800	ND	ND	ND	ND	ND	ND	ND	ND	0.17	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Toluene	0.005	16000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.035	ND	ND	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane	0.005	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	O-Xylene(1,2-Dimethylbenzene)	0.7	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.01	ND	ND	ND	ND	ND	ND	ND
	M,P-Xylene(Sum of Isomers)	0.7	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.038	ND	ND	ND	ND	0.008	ND	ND
SVOC	Benzo(b)fluoranthene	0.7	0.959	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
(mg/kg)	Benzo(k)fluoranthene	0.7	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chrysene	0.7	9.59	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	di-n-Butyl Phthalate	0.005	1600	ND	ND	ND	ND	ND	0.34	ND	ND	ND	0.36	ND	ND	ND	ND	ND	0.45	0.36	ND	ND	ND
	bis(2-Ethylhexyl)Phthalate	0.7	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.46	0.37	1.2	ND
	Fluoranthene	0.7	3360	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Phenanthrene	0.7	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Pyrene	0.7	2400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TPH	Diesel Fraction	10	100	ND	ND	ND	ND	ND	ND	ND	ND	8.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
(mg/kg)	Gasoline Fraction	1	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
METALS	Aluminum	13300	N/A	12300	7730	5460	3990	3270	8130	6450	4440	7520	4860	5470	7180	6180	5390	4730	9240	6560	7880	8000	
(mg/kg)	Antimony	N/A	32	ND	ND	ND	ND	ND	ND	ND	ND UJ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Barium	496	5600	257	106	91.2	27.5	102	121	241	43.2	84.5	142	243	231	131	61	83	192	91	88.2	115	
	Beryllium	0.83	0.2	0.73	0.51	0.3	0.3	ND	0.51	0.41	0.3	0.5	0.41	0.31	0.42	0.41	0.3	0.4	0.62	0.4	0.4	0.41	
	Cadmium	N/A	40	0.73	ND	ND	0.6	0.93	0.72	ND	ND	0.81	ND	0.92	0.73	0.62	0.71	ND	ND	ND	ND	ND	ND
	Calcium	119000	N/A	54100	44800	25400	30700	145000	24000	38300	32800	32300	25000	73700	69000	33100	29900	27000	19000	47400	22100	31500	
	Chromium, Total	14.9	400	12.9	33.7	9.7	5.7	16.4	9.8	11.8	9.4 U	13.5	7.1	6.7	12.7	9.5	11.5	9.5	12.2	18.2	48.9	15.9	
	Cobalt	11.3	N/A	7.9	6.4	6.5	4.8	2.4	8.1	7.5	5.5	8.7	5.7	4.4	6.7	5.8	7.6	5.1	7.3	6.2	10.2	9.5	
	Copper	135	N/A	90.7	76.2	81.1	129	69.5	60.8	43.4	155	51.6	171	69.2	24.6	68.8	145	35.1	69.7	102	109	259	
	Iron	20900	N/A	13500	12000	9720	7390	5990	12100	10000	9700	13800	9960	7930	10800	10200	10100	8610	14900	12400	17400	13700	
	Lead	22.9	400	8	7.5	6.6	5.2	ND	8.6	7.2	ND	ND	5.4	5.7	6.4	8.2	5.1	ND	9.1	5.8	ND	ND	
	Magnesium	8730	N/A	6300	5820	5040	3600	3250	4810	4960	3870	5450	3130	4920	6490	5430	5140	3250	4980	4770	6930	5850	
	Manganese	435	400	276	265	246	197	379	279	240	229	297	210	170	228	246	259	198	372	234	328	278	
	Mercury	N/A	20	ND	0.1	0.1	0.42	ND	0.17	ND	ND	ND	ND	ND	0.21	ND	ND	ND	ND	ND	ND	ND	
	Molybdenum	N/A	400	ND	6.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.5	ND	
	Nickel	54.4	1600	14.8	25.3	14.8	9.7	131	20.1	29.4	15 J	16.3	26.3	6.9	12.8	11.1	14.9	20.7	16.9	27.3	31.4	35.1	
	Potassium	2730	N/A	2040	966	931	602	595	2150	1570	768 J	1510	821	834	1240	940	842	835	2300	1050	1520	1410	
	Selenium	N/A	400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	Sodium	519	N/A	425	527	367	228	296	457	473	326 U	654	509	172	391	358	212	205	370	313	331	347	
	Vanadium	49.2	720	26.7	24.4	18.1	13.5	12.6	24.8	21.6	18.2	28.9	21.3	19.2	28.1	19.3	19.7	18.1	27.7	24.3	31.6	25.2	
	Zinc	81.6	24000	65	54.4	52.2	63.2	37.1	45.2	40.4	69.6 J	53	81.5	47	37.6	51.3	77.3	30.6	68.6	59	68.4	119	
RAD	Gross Alpha			21	16	19	13	22	25	26	21 J	16	16	18	34	10	7.7	18	16	22	21	15	
(pCi/g)	Gross Beta			26	18	30	22	24	21	19	19	26	17	26	21	15	18	20	24	26	23	25	
	Radium-226			0.6	0.9	0.6	0.6	0.6	0.6	0.7	0.8 J	0.7	0.6	0.4	0.5	0.6	0.7	0.6	0.6	0.5	0.6	0.4	
	Radium-228			0.2	0.4	0.2	0.2	0.3	0.3	0.3	0.4 J	0.4	0.3	0.4	0.4	ND	0.5	ND	0.4	0.7	0.5	0.3	
OTHER	Moisture (%)			4.1	2.6	0.7	0.7	2.8	2.6	1.9	0.5	0.9	1.8	2.7	4.5	3.2	1.4	1.2	3.3	0.6	1.1	1.7	
	pH			7.9	8	7.8	7.9	8.3	8	8	8.1	8	7.9	8	8	8	8	7.9	7.5	7.9	7.9	7.8	

Ψ Complete table footnotes can be found after the last page of Table 4-2.

Chemical Class	Analyte	PQL	HHRB Action Level[2]	Borehole Number and Sample Depth Interval (ft)															
		UTL		RB-11-35					RB-11-36					RB-11-83	RB-11-84	RB-11-85	RB-11-86	RB-11-87	RB-11-88
				3-7	8-12	13-17	18-22	28-34	3-7	8-12	13-17	18-22	28-32	0-1	3-7	3-7	3-7	3-7	3-7
VOC	Acetone	0.1	8000	ND	ND	ND	ND	ND	ND	ND UJ	ND	ND	ND	ND	ND	ND	ND	ND	ND UJ
(mg/kg)	Ethylbenzene	0.005	8000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.008	ND	ND	ND	ND	ND
	Methylene Chloride	0.005	93.3	ND	0.016	0.013	ND	0.008	ND	0.017 U	ND	ND	ND	0.02	ND	0.008	0.007	0.011	ND
	Tetrachloroethylene(PCE)	0.005	800	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Toluene	0.005	16000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.026	ND	ND	ND	ND	ND
	1,1,1-Trichloroethane	0.005	N/A	ND	ND	ND	ND	0.007	ND	ND	ND	ND	ND	ND	ND	ND	0.006	0.007	ND
	O-Xylene(1,2-Dimethylbenzene)	0.7	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	M,P-Xylene(Sum of Isomers)	0.7	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.005	ND	ND	ND	ND	ND
SVOC	Benzo(b)fluoranthene	0.7	0.959	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
(mg/kg)	Benzo(k)fluoranthene	0.7	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chrysene	0.7	9.59	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	di-n-Butyl Phthalate	0.005	1600	ND	ND	ND	0.36	ND	ND	ND	ND	ND	ND	ND	0.35	ND	ND	0.36	ND
	bis(2-Ethylhexyl)Phthalate	0.7	50	ND	ND	ND	1.8	ND	ND	ND	ND	0.38	1.1	ND	0.67	ND	ND	ND	ND
	Fluoranthene	0.7	3360	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Phenanthrene	0.7	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Pyrene	0.7	2400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TPH	Diesel Fraction	10	100	10.8	ND	ND	ND	ND	ND	ND	14	12.755	14.44	ND	ND	ND	ND	ND	8.247
(mg/kg)	Gasoline Fraction	1	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
METALS	Aluminum	13300	N/A	4160	8040	7290	5590	4460	7590	5580	5480	4750	5670	7490	10800	5920	8070	11200	6530
(mg/kg)	Antimony	N/A	32	ND	ND	ND	ND	ND	ND	ND UJ	ND	ND	ND	ND	ND	ND	ND	ND	ND UJ
	Barium	496	5600	125	128	116	49.9	88.3	133	92.9	127	65.7	62.4	89	109	122	186	308	118
	Beryllium	0.83	0.2	0.3	0.51	0.41	0.3	0.4	0.41	0.31	0.31	ND	0.3	0.4	0.74	0.41	0.41	0.62	0.41
	Cadmium	N/A	40	ND	0.51	ND	ND	0.51	ND	ND UJ	ND	0.71	1.2	ND	ND	ND	0.52	0.73	ND UJ
	Calcium	119000	N/A	48700	35100	26200	40000	24800	36100	42500	26400	63700	46900	13500	20600	29800	42400	54700	29400
	Chromium, Total	14.9	400	5.9	14.8	14.7	14.3	8.1	9.5	10.4	10.6	11.6	18.2	8.4	10.2	11.1	9.7	14.2	50.7
	Cobalt	11.3	N/A	4	6.1	8.6	8	6.3	6.5	8.6	6.8	5.7	6.4	7.2	8	5	6.8	9	5.6
	Copper	135	N/A	127	191	56.2	190	157	32.9	105	50.9	92.8	301	12.2	71.5	44.8	22.2	98	53.6
	Iron	20900	N/A	7900	13000	13800	12400	10400	11300	11600	11500	9160	11300	10400	13600	9950	12100	15300	13200
	Lead	22.9	400	6.8	7.6	7.8	ND	5.2	6.9	5.3	ND	5.3	5.1	9.2	9.6	8.7	ND	11	6.1
	Magnesium	8730	N/A	3430	4890	6160	4690	3300	4330	5280	4290	3830	3940	3930	5350	4200	5600	7200	5270
	Manganese	435	400	181	263	296	240	235	283	279	220	194	234	276	334	253	225	309	264
	Mercury	N/A	20	ND	ND	ND	ND	0.51	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Molybdenum	N/A	400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	12.6
	Nickel	54.4	1600	8.1	86.6	23.3	25.7	9.5	73.8	11 J	10.8	18.1	483	9.2	20.3	203	12.3	65.1	11.9 J
	Potassium	2730	N/A	577	1400	977	993	978	2470	791 J	730	714	1000	2630	1910	1500	1160	2560	897 J
	Selenium	N/A	400	ND	ND	ND	ND	ND	ND	ND UJ	ND	ND	ND	ND	ND	ND	ND	ND	ND UJ
	Sodium	519	N/A	71.9	125	338	369	309	322	268 J	258	187	220	53.3	821	547	482	292	136 J
	Vanadium	49.2	720	16.8	25.6	25.3	24.1	19.7	20.8	22.5 J	20.7	18.7	20.7	19.2	25.2	19.6	27.1	32.1	27.6
	Zinc	81.6	24000	61.7	83.9	47.9	86.9	72.8	41.6	57.5 J	43.5	50.3	118	41	54.1	41.2	33	61.5	42.0 J
RAD	Gross Alpha			14	13	26	54	19	16	18 UJ	29	24	23	22	19	29	16	23	19 UJ
(pCi/g)	Gross Beta			22	24	24	49	17	31	24 J	32	29	30	24	26	26	27	27	28 J
	Radium-226			0.6	0.7	0.6	0.6	0.4	0.4	0.4 J	0.5	0.5	0.5	0.8	0.6	0.8	0.7	0.4	0.9 J
	Radium-228			0.3	0.5	0.6	0.2	0.4	0.8	0.4 J	0.3	0.4	0.4	0.5	0.3	0.3	0.5	0.4	0.6 J
OTHER	Moisture (%)			0.8	2.5	2.8	0.7	1.2	3.1	3.7	4.2	1.7	1.1	0.3	5.1	2.5	3.3	3.7	2.6
	pH			7.9	7.6	7.8	7.8	8	7.6	7.8	7.8	8	7.9	7.6	7.8	8	7.8	7.7	7.9

Ψ Complete table footnotes can be found after the last page of Table 4-2.

Chemical Class	Analyte	PQL / UTL	HHRB Action Level[2]	Borehole Number and Sample Depth Interval (ft)										
				RB-11-89	RB-11-90	RB-11-91	RB-11-92	RB-11-93	RB-11-94	RB-11-95	RB-11-96	RB-11-97	RB-11-98	RB-11-99
				3-7	3-7	3-7	3-7'	3-7	3-7	3-7	3-7	3-7	3-7	3-7
VOC (mg/kg)	Acetone	0.1	8000	ND UJ	ND	ND	ND	ND UJ	ND	ND	ND	ND	ND	ND
	Ethylbenzene	0.005	8000	ND	ND	ND	0.013	ND	ND	ND	ND	ND	0.019	ND
	Methylene Chloride	0.005	93.3	ND	0.006	ND	ND	ND	0.006	ND	0.006	ND	ND	ND
	Tetrachloroethylene(PCE)	0.005	800	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Toluene	0.005	16000	ND	ND	ND	0.052	ND	ND	ND	ND	ND	0.079	ND
	1,1,1-Trichloroethane	0.005	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	O-Xylene(1,2-Dimethylbenzene)	0.7	N/A	ND	ND	ND	0.014	ND	ND	ND	ND	ND	0.022	ND
	M,P-Xylene(Sum of Isomers)	0.7	N/A	ND	ND	ND	0.043	ND	ND	ND	0.006	ND	0.076	ND
SVOC (mg/kg)	Benzo(b)fluoranthene	0.7	0.959	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzo(k)fluoranthene	0.7	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chrysene	0.7	9.59	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	di-n-Butyl Phthalate	0.005	1600	0.47	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	bis(2-Ethylhexyl)Phthalate	0.7	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Fluoranthene	0.7	3360	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Phenanthrene	0.7	N/A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Pyrene	0.7	2400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TPH (mg/kg)	Diesel Fraction	10	100	ND	ND	ND	ND	ND	10.4	ND	ND	10.8	ND	ND
	Gasoline Fraction	1	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
METALS (mg/kg)	Aluminum	13300	N/A	6890	6880	10100	10200	11500	7590	6210	6000	6440	8370	5850
	Antimony	N/A	32	ND UJ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Barium	496	5600	282	117	121	162	226 J	583	137	193	171	485	111
	Beryllium	0.83	0.2	0.41	0.41	0.52	0.63	0.73 J	0.62	0.41	0.41	0.51	0.53	0.51
	Cadmium	N/A	40	0.62 J	0.62	0.62	0.53	ND	ND	ND	ND	ND	0.53	ND
	Calcium	119000	N/A	41400	31300	53400	22200	45700	93500	30600	35900	22200	72800	31200
	Chromium, Total	14.9	400	9.7	9.7	10.3	15.1	14	9.1	7.4	9.1	9.3	9.5	7.4
	Cobalt	11.3	N/A	6.1	5.9	7.7	8.9	9 J	6.3	6.1	6.1	7.2	7.2	6.2
	Copper	135	N/A	54.4	19.4	28.1	35.3	26.8 J	37.9	31.9	45.1	37.6	16	21.1
	Iron	20900	N/A	11300	11300	12400	15100	15600	11300	10900	10900	11900	12600	11500
	Lead	22.9	400	7.9	9.8	8.2	9.3	9.4	ND	9.1	ND	7.8	ND	7.3
	Magnesium	8730	N/A	6280	5780	5610	6490	5770	6310	5290	4980	5050	9040	5320
	Manganese	435	400	227	265	288	321	376	194	263	207	274	246	285
	Mercury	N/A	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Molybdenum	N/A	400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Nickel	54.4	1600	19.7 J	11.4	10.6	17.2	11.5	8.2	14.5	12.2	11.2	12.4	13.4
	Potassium	2730	N/A	1130 J	1100	1700	1760	2030 J	1000	986	1120	1210	1060	1370
	Selenium	N/A	400	ND UJ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Sodium	519	N/A	422 J	844	278	1050	143 J	286	484	187	617	600	406
	Vanadium	49.2	720	27.6 J	35.1	27.2	27.8	29.3 J	30.7	31.9	24.1	35.2	33.4	28.6
	Zinc	81.6	24000	15.0 J	34.2	41	45.3	43.1 J	36.7	39.5	35.8	41.4	34.5	39.5
RAD (pCi/g)	Gross Alpha			15 J	14	32	24	13 J	19	17	27	21	21	26
	Gross Beta			23 J	17	24	22	19 UJ	20	20	22	23	26	28
	Radium-226			0.8 J	1	1	0.4	0.6 J	0.5	0.8	0.4	0.6	0.9	0.4
	Radium-228			0.3 J	0.4	ND	0.3	0.5 J	0.5	0.4	0.3	ND	0.7	0.4
OTHER	Moisture (%)			3.1	3.5	3.5	4.9	4.4	3.9	3.2	2.6	2.6	5.5	2.7
	pH			7.8	8	7.9	8	7.7	7.9	7.8	8.1	8.1	7.7	8.6

Ψ Complete table footnotes can be found after the last page of Table 4-2.

Chemical Class	Analyte	PQL / UTL	HHRB Action Level[2]	Borehole Number and Sample Depth Interval (ft)					
				RB-11-S1	RB-11-S2	RB-11-S3	RB-11-S4	RB-11-S5	RB-11-S6
				0-1	0-1	0-1	0-1	0-1	0-1
VOC	Acetone	0.1	8000	ND	0.054	ND	ND	ND	ND
(mg/kg)	Ethylbenzene	0.005	8000	0.005	0.012	ND	0.008	ND	ND
	Methylene Chloride	0.005	93.3	0.027	0.064	0.006	0.033	0.019	0.031
	Tetrachloroethylene(PCE)	0.005	800	ND	ND	ND	ND	ND	ND
	Toluene	0.005	16000	0.022	0.053	0.007	0.075	0.019	0.024
	1,1,1-Trichloroethane	0.005	N/A	ND	0.008	ND	0.006	ND	0.005
	O-Xylene(1,2-Dimethylbenzene)	0.7	N/A	ND	ND	ND	ND	ND	ND
	M,P-Xylene(Sum of Isomers)	0.7	N/A	ND	0.008	ND	0.005	ND	ND
SVOC	Benzo(b)fluoranthene	0.7	0.959	ND	1.4	ND	ND	ND	ND
(mg/kg)	Benzo(k)fluoranthene	0.7	N/A	ND	1.1	ND	ND	ND	ND
	Chrysene	0.7	9.59	ND	1.8	ND	ND	ND	ND
	di-n-Butyl Phthalate	0.005	1600	ND	ND	ND	0.35	ND	ND
	bis(2-Ethylhexyl)Phthalate	0.7	50	ND	ND	ND	ND	ND	ND
	Fluoranthene	0.7	3360	ND	1.4	ND	ND	ND	ND
	Phenanthrene	0.7	N/A	ND	0.42	ND	ND	ND	ND
	Pyrene	0.7	2400	ND	1.4	ND	ND	ND	ND
TPH	Diesel Fraction	10	100	16.1	16.5	11.8	9.4	6.1	ND
(mg/kg)	Gasoline Fraction	1	100	ND	0.23	ND	0.29	ND	ND
METALS	Aluminum	13300	N/A	13400	10600	12600	10300	9670	11700
(mg/kg)	Antimony	N/A	32	ND	ND	ND	ND	ND	ND
	Barium	496	5600	147	127	112	124	101	116
	Beryllium	0.83	0.2	0.7	0.5	0.6	0.5	0.5	0.6
	Cadmium	N/A	40	1.1	1.1	0.5	0.9	0.7	0.6
	Calcium	119000	N/A	15100	16700	10600	21100	16900	9320
	Chromium, Total	14.9	400	12.1	13.3	14	11.3	10.8	13.6
	Cobalt	11.3	N/A	9.8	8.2	8.3	9.5	9	9.2
	Copper	135	N/A	24.4	24.7	17.9	16.5	13.1	16.1
	Iron	20900	N/A	15900	12900	15900	14600	13400	16400
	Lead	22.9	400	18.3	130	16.1	11.2	7.9	13.6
	Magnesium	8730	N/A	5950	4980	5100	4730	4520	5070
	Manganese	435	400	440	361	347	308	343	361
	Mercury	N/A	20	ND	ND	ND	ND	ND	ND
	Molybdenum	N/A	400	ND	ND	ND	ND	ND	ND
	Nickel	54.4	1600	12.8	10.9	12.2	11.6	11	12.1
	Potassium	2730	N/A	4190	3680	4120	3350	2990	3620
	Selenium	N/A	400	ND	ND	ND	11.1	ND	ND
	Sodium	519	N/A	96.2	87.7	84.1	72.6	72.3	61
	Vanadium	49.2	720	28.4	23	29.7	28.1	27.7	28.4
	Zinc	81.6	24000	68.9	70.8	46	39.6	38	47.2
RAD	Gross Alpha			40	21	16	12	17	18
(pCi/g)	Gross Beta			30	24	26	22	28	34
	Radium-226			0.8	0.6	0.9	0.5	0.7	0.6
	Radium-228			0.5	0.3	0.4	0.3	0.5	0.5
OTHER	Moisture (%)			0.4	0.6	0.3	0.1	0.3	0.4
	pH			7.5	7.5	7.6	7.5	7.7	7.6

Ψ Complete table footnotes can be found after the last page of Table 4-2.

Ψ *Footnotes*

1 Complete laboratory analytical results including method detection limits are presented in the ITIR appendices.

2 Action Level Proposed Rule RCRA Subpart S Action Levels (55 FR 30814, 7/27/90).

*; TPH action level is 100 mg/kg adopted from NM UST regulations (USGS 2B Work Plan 3.6, NM El Board, 1990). SW-8015 analyzes volatile and semivolatile petroleum hydrocarbon fractions separately. The total concentration of the two fractions analyzed under 8015 will be used to assess compliance with stipulated action levels for the purpose of this RFI.

PQL; Practical Quantitation Limits (defines VOC, SVOC and TPH).

pCi/g; Picocuries per gram.

VOC; Volatile Organic Compounds.

TPH; Total Petroleum Hydrocarbons.

RAD; Radionuclides.

ND; Not Detected above the method detection limit.

UTL; Upper Tolerance Limits (defines METALS).

HHRB; Human Health Risk Based.

SVOC; Semivolatile Organic Compounds.

U; Accept data (positive results may be influenced by lab contamination).

UJ; Estimated Nondetect.

J; Estimated value.

Di-n-butyl phthalate detections were below the HHRB action level of 8,000 mg/kg. Seventeen of the soil samples collected at RB-11 exhibited detectable concentrations of di-n-butyl phthalate, ranging from 0.34 mg/kg to 0.56 mg/kg (sample RB-11-16, 21 to 25 ft).

Six SVOCs were detected in surface soil sample RB-11S2. These compounds included benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, fluoranthene, phenanthrene, and pyrene. None of the six compounds was present in concentrations exceeding the HHRB action level.

Although minimal concentrations were detected of the few VOCs and SVOCs present at RB-11, an assessment of their location and depths of detection was necessary to characterize any potential migration of contaminants from the waste trenches. The detections of volatile and semivolatile organic compounds follow no particular pattern or trend which would indicate potential migration of contaminants. The detections are random, and their presence at concentrations well beneath action levels does not suggest that RB-11 is presently experiencing contaminant migration.

The absence of consistent lateral or vertical detection patterns, coupled with the insignificant concentration levels of VOCs and SVOCs, supports a decision to omit these classes of chemicals from further consideration as chemicals of concern.

Petroleum Hydrocarbons

TPH, reported as DRO and GRO levels, was present at RB-11 below the action level of 100 mg/kg. Positive detections of DRO range from 6.1 mg/kg (sample RB-11-S5, 0 to 1 ft) to 16.5 mg/kg (sample RB-11-S2, 0 to 1 ft). The highest subsurface detection in the DRO analysis occurred in sample RB-11-25 (8 to 12 ft), measuring 13.1 mg/kg. GROs were only detected at two surface soil samples (RB-11-S2, and -S3), with values of 0.23 mg/kg and 0.29 mg/kg, respectively.

No further consideration was given to diesel or gasoline detections at RB-11 because no hazardous compounds associated with fuels (e.g., benzene, benzo(a)pyrene) were detected in these samples.

Metals

Six metals were found at concentrations greater than background UTLs or the HHRB action level calculated for each element. Of these, beryllium was detected above the action level

(0.2 mg/kg) in 98 percent of the RB-11 samples. The other potentially toxic metals detected above UTLs or HHRB action levels include manganese, total chromium, zinc, lead, and copper.

Beryllium was detected in the vast majority of samples at RB-11. The range of detections was 0.3 to 0.9 mg/kg, and the human health risk-based action level for beryllium is 0.2 mg/kg. Both RFI Stage 2B and 2D-1 background concentrations of beryllium resulted in UTL calculations of 0.8 mg/kg compared to the HHRB action level of 0.2 mg/kg. The only RB-11 site sample in which the beryllium detection exceeded the UTL was at soil sample location RB-11-22 (28 to 32 ft), although every other detected quantity exceeded the human health risk-based action level of 0.2 mg/kg.

Considering the background concentration found at Kirtland AFB, the levels of beryllium present at RB-11 are not considered to be attributable to the waste disposed within the trenches. These levels of beryllium are typical background levels within the area under study.

Manganese was detected in five soil samples at concentrations above the HHRB action level. The range of these elevated detections was 428 to 516 mg/kg; two of these detections were from samples taken adjacent to trench 8 (boreholes RB-11-29 and -30). At borehole RB-11-29, the manganese concentration detected in the sample interval from 28 to 32 ft was 475 mg/kg; the other depths sampled in this borehole failed to exhibit elevated concentrations of manganese. The concentration of manganese in the 13- to 17-ft interval at borehole RB-11-30 was 516 mg/kg. Samples analyzed from above and below this sampling interval were below UTL and HHRB action levels. The indication from adjacent boreholes is that if a manganese release has occurred, it is not migrating.

Several total chromium detections were noted in concentrations exceeding the UTL of 14.9 mg/kg, and one sample (RB-11-30, 13 to 17 ft) exhibited a concentration of 1130 mg/kg, which exceeded the HHRB action level of 400 mg/kg. Two samples, each above and below the 13- to 17- ft sampling interval, had concentrations ranging from 11.3 to 23.7 mg/kg. Samples adjacent to the boreholes contained no elevated levels of total chromium. This indicates that if a chromium release has occurred, it does not appear to be migrating.

Zinc was found in 22 samples above the UTL of 81.6 mg/kg, but below the HHRB action level of 24,000 mg/kg. The UTL was based on a small sample size (n=12) relative to the number of characterization samples (n=163). The detected concentrations ranged from 83.9 to 451 mg/kg and are believed to be of natural origin. If these concentrations were indicative of anthropogenic origin, higher concentrations would have been expected at the base of the trench (i.e., 20 ft).

However, these elevated concentrations were found 10 ft below the base of the trench and appear to be isolated elevated concentrations. Proximal boreholes did not exhibit similarly elevated concentrations of zinc.

One detection of elevated lead concentration was found to exceed the UTL (22.9 mg/kg); all detected concentrations were below the HHRB action level of 400 mg/kg. The concentration above UTL was 130 mg/kg and occurred at surface soil sample RB-11-S2. Adjacent sampling points failed to detect elevated concentrations of lead. This detection is suspected to be attributable to background, but may be of anthropogenic origin.

Twenty-seven detections of copper were found to be above the background UTLs of 135 mg/kg. The highest detection (1,210 mg/kg) was in sample RB-11-16 (28 to 30 ft) near trench 5. The range of detections for all other copper concentrations in excess of the UTL was 143 to 301 mg/kg.

Action levels based on human health risk are unavailable for copper. Additionally, there has not been published a regulatory action level for copper. The elevated levels of copper do not appear to be associated with the waste material; copper compounds were not reported to have been used at the former radiobiology laboratory, but could have been used as compounds of elemental copper (e.g., copper sulfate). The detections of copper at RB-11-16 are not believed to be indicative of site contamination.

Mercury

Mercury vapor field screening was conducted during all of the boreholes completed, and no mercury vapor was detected. Laboratory analyses detected low concentrations of elemental mercury in 13 samples at RB-11, although none was above the human health risk-based action level of 20 mg/kg. The range of detections was 0.1 to 0.57 mg/kg.

Elemental mercury was detected in the general vicinity of trenches 7, 8, and 9, and detections immediately adjacent to these trenches were common in the 12- to 22-ft sample interval. The bottoms of trenches 7, 8, and 9 are approximately 20 ft bgs, and mercury detections were absent in sample intervals from 28 to 32 ft. This could indicate that, if a mercury release occurred, the vertical extent has been determined to not extend to the 28-ft depth. Mercury was absent in the background samples and in other site characterization samples from the remaining boreholes. Whether the low levels of mercury around trenches 7, 8, and 9 are of natural or anthropogenic origin is difficult to tell without additional analysis.

Cyanide

Results of cyanide analyses did not indicate the presence of hydrogen cyanide or any other metallic salts of hydrocyanic acids.

Radiological Compounds

As presented in Sections 3.1.1, Radiological Screening Survey, and 4.2.3.1, Radiological Screening Survey of RB-11, general radiation screening and soil sample radiation surveys were conducted at RB-11. No detections above background were observed during field screening. Samples were sent for laboratory confirmation analyses of gross alpha, gross beta, radium-226, and radium-228.

The range of gross alpha and gross beta concentrations in RB-11 background soil samples was 10 to 24 pCi/g, and 12 to 30 pCi/g, respectively. Maximum detections of Ra-226 and Ra-228 in background soil samples were 0.4 and 0.5 pCi/g, respectively. No Ra-226 or Ra-228 characterization samples exceeded 1.0 pCi/g.

The site characterization samples exhibited a gross alpha particle concentration range of between 1.4 and 54 pCi/g. A background UTL was calculated for gross alpha at 28.7 pCi/g. The detections exceeding background concentrations were found among boreholes well distributed about the site. In one borehole location (RB-11-27), however, 4 of the 5 depths sampled displayed concentrations above background. None of the adjacent borehole samples exhibited gross alpha levels above background.

The site characterization samples for gross beta concentration were found to range from 2.4 to 49 pCi/g. Seven of the 163 samples were detected above the UTL of 35.1 pCi/g. Gross beta levels were not found to follow a particular pattern in terms of lateral or vertical distribution.

Soil pH and Moisture

Soil pH ranged from 7.5 to 9.2. Moisture content ranged from 0.1 to 5.7 percent.

4.5 Baseline Human Health Risk Assessment

In accordance with the methods outlined in Section 3.5, a risk assessment was conducted due to the gross alpha and gross beta detections at RB-11. Following review and interpretation of the chemical and radiological data, risk assessment was only deemed necessary due to the presence of elevated radiological detections. The chemical analytes in excess of HHRB action levels were

not at concentrations which warranted an assessment of risk. Additionally their low mobility, coupled with minimal detected concentrations, substantiates the omission of chemical risk assessment. A true baseline risk assessment cannot be performed using gross alpha and gross beta data (USEPA, 1989).

Initially, a screening review was performed to determine if radiological contaminants had migrated from the burial trenches. From the 36 site characterization boreholes, gross alpha and gross beta detections were compared to the background borehole results. Analysis for specific radionuclides was not performed. Rather, radiological screening analyses were selected to provide a more general indication of the presence or absence of radiological contamination. A true baseline risk assessment cannot be performed using gross alpha and gross beta data (USEPA, 1989). The following discussion is a general assessment designed to provide an indication if further, more detailed study is warranted.

4.5.1 Data Evaluation

The radiological contaminants of concern at RB-11 are Cesium-137 (CS-137) and Strontium-90 (Sr-90). These contaminants were identified in historical data. Both Cs-137 and Sr-90 decay by beta emission; therefore, the data provided, gross beta measurements, will allow for some indication of their migration. It was indicated that indeterminate quantities of Sr-90 and Cs-137 were injected into 10 dogs by the Biophysics Branch, Air Force Weapons Laboratory. It was also indicated that upon each animal's death, the carcass was supposed to be enclosed in a steel drum and buried; however, interviews with Dr. DeBoer indicated that the carcasses were not encased in steel drums but were directly buried. Additionally, the handling of the waste from these animals is not well defined. Therefore, the Sr-90 and Cs-137 could possibly have migrated (Shopenn, 1966). Since gross alpha and beta measurements include both naturally occurring radionuclides as well as radiological contaminants, it is impossible to distinguish the level of contamination due to Sr-90 and Cs-137 from background.

Because of the wide variation in background measurements and statistical nature of radiological measurements, a statistical analysis was performed. Given the small sample sizes per borehole (i.e., 3 and 5) and the small background sample sizes (i.e., 5 and 5), the standard determination of a level of concern (L_c) was not performed. From the borehole samples, a trench mean was developed for each trench. The trench mean was then compared to the background sample mean. This analysis was a comparison of population arithmetic means and was performed to determine if the sample and background populations were equal. This procedure was performed because

the populations must be assumed to be Normally distributed; however, the small sample sizes invalidate the Central Limit Theorem.

In developing the trench means, all borehole samples (including all depths) associated with a given trench were averaged together to develop an arithmetic mean, $\overline{y_1}$, which was used to estimate the population mean of the area associated with the trench.

The statistical analysis was as follows:

$$H_o: \mu_1 - \mu_2 = 0$$

$$H_a: \mu_1 - \mu_2 \neq 0$$

$$T.S. = \frac{\bar{y}_1 - \bar{y}_2 - D_o}{\sqrt{\frac{s_1^2}{n_1} + \frac{s_2^2}{n_2}}}$$

To reject H_o, T.S. $\geq t_{\alpha,v}$

Where: H_o is the null hypothesis; H_a is the alternative hypothesis; μ_1 and μ_2 are the population means and are estimated with $\overline{y_1}$ and $\overline{y_2}$, which are the borehole data and the background data sample means respectively; s_1^2 and s_2^2 are the sample standard deviations for the borehole data and the background data; T.S. is the test statistic; and $t_{\alpha,v}$ is the value of the t distribution for α equal to 0.05 and υ degrees of freedom (Ott, 1993).

As a second check on the above analysis, an analysis of variance (ANOVA) was performed for each borehole. The combined borehole samples were compared to the two sets of background samples. The analysis was performed as follows:

$$H_o: \mu_{borehole} = \mu_{BKGD1} = \mu_{BKGD2}$$

$$H_a: \mu_{borehole} \neq \mu_{BKGD1} \neq \mu_{BKGD2}$$

$$T.S. = \frac{T_{MS}}{E_{MS}}$$

To reject H_o, T.S. $\geq F_{\alpha,v1,v2}$

where H_o is the null hypothesis; H_a is the alternative hypothesis; μ was the population mean and was estimated with the sample mean $\bar{y}$; T_{MS} and E_{MS} are treatment mean square (mean square

between samples) and the error mean square (mean square within samples) respectively; T.S. is the test statistic; and $F_{\alpha,\upsilon1,\upsilon2}$ is the value of the F distribution for α equal to 0.05 and υ degrees of freedom for the numerator and denominator (Snedecor and Cochran, 1989).

Table 4-3 outlines the results of the trench analysis. As it can be seen, one trench (Trench 4) indicates (with 95-percent confidence) that the trench mean (borehole sample mean) was not from the background population mean. In other words, there was statistical evidence that the trench sample indicated migration of the contaminant from the trench. To further determine the positive sample, an ANOVA was performed for each of the borehole sample sets used to develop the trench mean (refer to Table 4-3 for the results of the test). Borehole 13 was identified (with 95-percent confidence) as not being from the same population as the background samples. Therefore, it is believed with 95-percent confidence that there may have been migration from Trench 4.

Overall review of Table 4-3 indicates that there has been no gross migration of the radiological contaminants from the trenches. No significant variance from background was indicated by the analysis with the exception of Trench 4.

In Section 3.5, an expected background was developed for the Kirtland AFB area from reference materials (i.e., SNL, 1993; NCRP, 1985; and CRC Handbook of Environmental Radiation). In comparing the actual background with the expected background, it was determined that the actual background was in agreement with the expected background.

4.5.2 Exposure Assessment

The comparison between the borehole sample mean and the background sample mean indicated (with 95-percent confidence) that one trench (Trench 4) was not from the background population. The ANOVA indicated (with 95-percent confidence) that borehole RB-11-13 was not equal to background. Borehole RB-11-13 is associated with the positive trench (Trench 4). Refer to Table 4-3 for details of the trench screening for Trench 4 and boreholes RB-11-13.

Given the historical background data and the positive indication on Trench 4, a screening risk assessment was performed.

4.5.3 Risk Characterization

The screening risk assessment was performed to provide some indication of the concerns associated with RB-11. Since no sampling of the waste material was performed, the radiological

contaminants were characterized by historical information. Refer to Table 4-4 for radiological contaminant characterization.

Table 4-3. Results of Comparison of Trench Means to Background Means

Average Background Concentration (pCi/g)		Trench	Average Trench Concentration (pCi/g)		Test Statistic		t-Value	
Alpha	Beta	Number	Alpha	Beta	Alpha	Beta	Alpha	Beta
16.4	19.6	1	14.9	20.1	-0.653	0.207	2.063	2.068
16.4	19.6	2	18.8	22.9	1.104	1.889	2.055	2.201
16.4	19.6	3	19.9	23.3	1.617	2.074	2.051	2.179
16.4	19.6	4	19.8	25.5	1.718	**3.088***	2.068	**2.131***
16.4	19.6	5	17.7	23.3	0.688	2.099	2.063	2.179
16.4	19.6	6	16.5	22.9	0.046	1.865	2.068	2.201
16.4	19.6	7	20.4	23.1	1.722	1.978	2.048	2.179
16.4	19.6	8	17.95	23.2	0.773	1.981	2.063	2.160
16.4	19.6	9	20.5	24.7	1.190	1.903	2.109	2.074
16.4	19.6	10	20.8	20.4	1.738	0.355	2.365	2.179

* Trench No. 4 test statistic was greater than the t-value, therefore indicating that the trench was not from the background population.

Table 4-4. Historical Characterization of Radiological Contaminants

Radiological Contaminant	Approximated Quantity (Ci)
Strontium-90	1.137E-03*
Cesium-137	1.622E-03*

*These values are approximated from Shopenn (1966) and reflect decay correction to August 31, 1994.

To estimate the radiological hazard associated with the area, two cases were performed. The first case performed was a worst case assessment. In this case, the radiological contaminants were concentrated in a small volume (approximately 2.8 $m^3 \approx$ the volume of 10 beagle dogs and excrement). This results in an average soil concentration of 4 pCi/g. This case reflects the possibility that all the animal excreta were stored in a single steel drum and buried at one time with the animals. The second case, a lower bound, assumes that the radiological contaminants are distributed over the volume of a trench (approximated at 54.4 m^3). This results in an average soil concentration of 2E-05 pCi/g. In both cases, the potential human receptors are those discussed in Section 3.6. Details of the risk calculations are found in Appendix H.

In the first case, the lifetime risks ranged from 1.0E-05 for the construction worker to 4.10E-03 for the resident child. The high risk associated with the child is mainly due to consumption of vegetation from the area. It assumes worst case for the selection of all factors, such as soil to vegetation transfer ratios. The risk associated with the construction worker is mainly from ingestion and inhalation of the contaminated soil.

In the second case, the risks range from 4.89E-11 for the construction worker to 2.00E-08 for the resident child. The risk associated to either individual can be attributed to the same factors as in case one.

In either risk calculation, there is uncertainty associated with the assumptions and especially the data. These risk numbers are not calculated for a baseline risk assessment but instead indicate in some fashion the concern associated with RB-11. A baseline risk assessment may not be performed with gross alpha and beta data (USEPA, 1989). To accurately determine the risks associated with the area in question, a more detailed analysis using radionuclide specific data should be performed.

4.6 Conclusions and Recommendations

The findings from field investigations at RB-11 support the following conclusions and recommendations for future actions.

Conclusions

- GPR and electromagnetic surveys, combined with information from the aerial photographs and the ground features map, led to the conclusion that nine trenches are present at RB-11. Trenches 1 through 7 are essentially the same as those identified in the RFI Stage 2C Work Plan. Trench 8 is not oriented in a northeast direction as indicated in the Work Plan; the location of Trench 8 has been reinterpreted to lie parallel to Trench 7. Trench 9 is a single, large feature that was discussed in the Work Plan as two trenches (Trenches 9 and 10).

- Seven VOCs and eight SVOCs were detected in subsurface soil samples collected adjacent to the trenches, at various depths up to 32 ft. All concentrations were less than HHRB action levels. Many detections may be the result of laboratory-introduced contamination or cross-contamination during sampling or shipment to the laboratory. The very low concentrations indicate that minimal to no migration of organic contaminants from the trenches has taken place.

- Mercury was found slightly above detection limits at depths between 8 and 22 ft in the vicinity of trenches 7, 8, and 9. Although the mercury concentrations were well below HHRB action levels, the pattern of detections may indicate a release. Some metals (total chromium, copper, manganese, and beryllium) have been detected in soil samples taken adjacent to landfill trenches in concentrations above the HHRB-action levels, but not in a pattern clearly indicative of migration. These concentrations are thought to be background levels.

- Radiation levels at the surface of the trenches do not exceed background. Subsurface soil sample analytical results showed that gross alpha (1.4 to 54 pCi/g) and gross beta (2.4 to 49 pCi/g) concentrations generally fell within the range of background gross alpha (10 to 24 pCi/g) and gross beta (12 to 30 pCi/g) concentrations. A statistical evaluation of groups of subsurface soil samples by trench revealed that trench 4 readings averaged slightly above background. However, the existing analytical data are insufficient to verify whether the trench 4 average is indicative of radiological migration.

- The extent of contamination migration was defined during this study. However, the nature of the source was not evaluated because intrusive sampling within the trenches was specifically

avoided. The source material composition based on historical records is animal carcasses, a few of which were contaminated with cesium-137 and strontium-90.

- A preliminary risk assessment was performed on the source material using concentrations based on the historical records of total radioactivity disposed. A reasonable worst-case exposure scenario, assuming all radioactivity was concentrated within a small volume to simulate the carcasses of a few dozen dogs (approximately 2.8 m^3), led to lifetime incremental cancer risks ranging between 1.0E-05 for a construction worker and 4.1E-03 for a resident child under the defined exposure scenarios. Reasonable best-case exposure scenarios were calculated assuming that the radioactivity was uniformly distributed over a single trench (54.4 m^3), leading to risks ranging from 4.89E-11 for the construction worker to 2.00E-08 for the resident child.

Recommendations

- Additional limited soil sampling and analysis of specific radionuclides is recommended in order to determine if the suspected source radioisotopes (e.g., strontium-90 and cesium-137) are responsible for the gross alpha and gross beta activity measured. These subsurface soil samples, which should be located in areas of higher permeability (and therefore likely pathways for any contaminant migration) based on existing stratigraphic information, should include the areas around Trench 4 and the area of boring RB-11-27 adjacent to the north side of Trench 7.

- A CMS should be performed for this site due to the types of waste present and uncertainties in waste quantities (inventory balances, "suspected" potential for a drum of used mercury). The preliminary risk assessment indicates that reasonable worst-case assumptions result in computed risks that may necessitate remediation of the site. A CMS may show that risks posed by the waste are small enough to justify the "no action" alternative with possible institutional controls.

- The CMS should consider an option involving long-term periodic monitoring to detect mercury vapor or radionuclides in the horizontal well under the site completed in 1993 by SNL. In this option, remediation and the attendant risks would be undertaken only on positive indication of migration. The site would be managed by institutional control of access and land use. The risk of a sudden onset release of mercury into soils beneath the trenches should be considered in the CMS, since there are unconfirmed reports of the possibility that a

drum containing liquid mercury went into one of the trenches, and trace mercury has been detected in some subsurface soil samples.

- As an interim action, Kirtland AFB should post warning signs and erect a permanent chain link fence that will preclude surface intrusion, which is the only potential route of exposure. The site is currently enclosed with a temporary plastic fence. Additional margins of safety could be achieved by placing further soil cover over the landfill area, with particular attention to filling any subsidence features over the trenches.

5.0 Site RB-07 Radioactive Waste Disposal Area (RW-21)

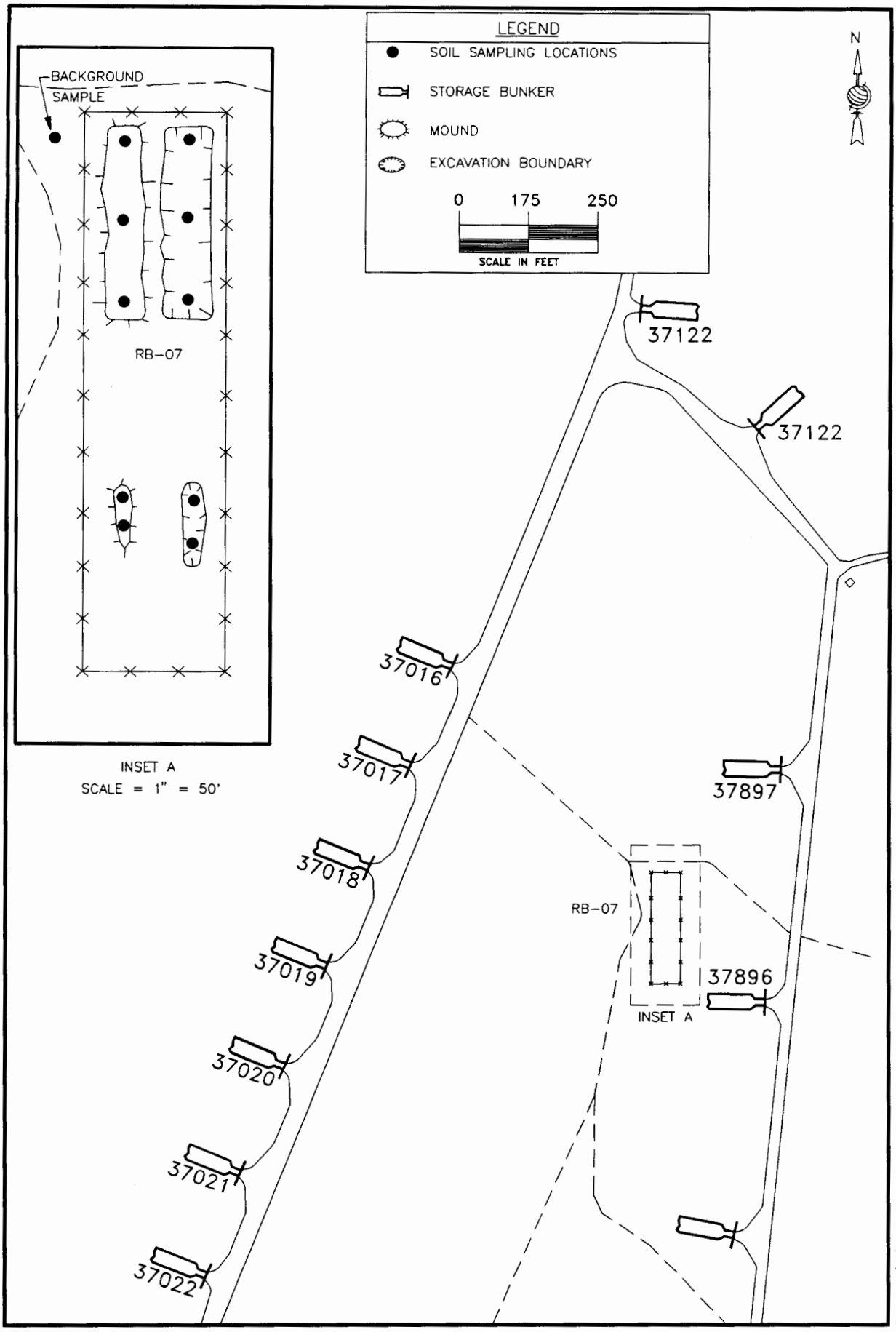
5.1 Site Background and Environmental Setting

Radioactive Waste Disposal Area 7 is located in the northeast section of the former Manzano Base, currently known as the Manzano WSA. At present, the Manzano WSA is secured by Sandia National Laboratories, with administrative support provided by the 377 ABW. Facilities primarily consist of 4 plants originally used mostly for munitions maintenance, and 122 igloos designed for munitions storage. Construction of the storage complex began in 1947, and the WSA was operational as a munitions storage and maintenance facility by 1950. Since then, various organizations have held responsibility for operations, maintenance, and security of the Manzano WSA.

The radioactive waste disposal area (Site RB-07) is about 100 ft northwest of Storage Bunker 37896 and is enclosed by a 50-ft-wide by approximately 210-ft-long fenced area (Figure 5-1). Two excavations are currently visible along the eastern half of the fenced area. The northern excavation is about 70 ft long, 18 ft wide, and 5 to 10 ft deep. The southern excavation is 35 ft long, up to 12 ft wide, and 5 to 8 ft deep. Excavated soil mounds are present to the west of both excavations. Vegetation has become established on top of the spoil piles and within the excavations. Photograph 5-1 shows the northern excavation.

The disposal area was used for low-level radioactive waste burial from at least July 1, 1959, until December 31, 1963. No records exist concerning disposal prior to July 1959. However, based on the operational history of Manzano Base and other similar activities reported to have utilized RB-07, waste disposal may date to 1949. A total of 449 cubic ft of low-level radioactive waste was buried at this site between 1959 and 1963, including swipes, gloves, butcher paper, paper clothing, respirator cartridges, and dust collected in vacuum cleaners. Generated metal wastes consisted of lead-wire seals and possibly cadmium. Wastes may have included radioactive materials, small amounts of solvents (including trichloroethene, alcohol, and acetone), lead, and cadmium (Harold Rarrick, pers. comm., 1994). The wastes were contained in 15-in by 15-in by 8-in cardboard boxes and disposed in trenches at RB-07.

The buried material was excavated, although the exact date of removal is unknown, and no records exist that indicate to where the removed material was taken. Portable radiation meters were used to screen the removed materials, and excavation continued until radiation meters indicated that radioactive materials had been excavated.



SOIL SAMPLING LOCATIONS AT SITE RB-07 RADIOACTIVE WASTE DISPOSAL AREA 7

FIGURE 5-1

RCRA FACILITY INVESTIGATION STAGE 2D-1 KIRTLAND AIR FORCE BASE, NEW MEXICO

Photograph 5-1 Excavation Area and Soil Mounds at RB-07

5.2 Study Area Investigation

5.2.1 Previous Investigations

A June 1980 radiation survey of the fenced area, its perimeter, and the downslope area did not detect levels above background (Engineering Science, 1981). Other periodic surveys of the area near the site have failed to detect measurable radiation levels above background.

5.2.2 Data Gaps

Although radiological samples were reportedly collected during the burial area excavation, this information cannot be located. Surface soil sampling is necessary to determine whether the possibility exists that radioactive contaminants remain at the site.

5.2.3 RFI Field Investigation

The environmental investigations to date at RB-07 have yielded only limited data regarding the presence or absence of soil contamination. The purpose of the RFI is to more completely assess the condition of the site with regard to potential contamination by conducting a surface soil investigation. Field investigation activities at RB-07 were conducted on July 20 and 21, 1994.

5.2.3.1 Radiological Screening Survey

The entire fenced area of the RB-07 site (50 ft wide by approximately 210 ft long) was initially surveyed using Ludlum Model 19 and 12 meters. No radiation above background levels was detected.

Count rate and alpha survey meters were used to check the sampling equipment and soil samples for contamination. Since the soil samples were actually collected manually and put into containers, personnel and the outside of the containers were also checked. No contamination or radiation levels above background were detected during sample collection.

5.2.3.2 Surface Soil Sampling

Surface soil sampling was conducted at RB-07 to determine if residual contaminants were present in the excavations or spoil piles. Five surface soil samples were collected from 6 in. below the bottom of the two excavation areas (Table 5-1). An additional five surface soil samples were collected from a depth of 1 to 2 ft within the adjacent spoil piles. Soil sample locations are presented in Figure 5-1. These surface soil samples were collected using stainless-

steel bowls, spoons, and trowels. All surface soil samples were analyzed for VOCs, gross alpha, gross beta, gamma spectroscopy, tritium, lead, cadmium, and soil moisture.

To determine background conditions within the area, two samples were collected from one upslope location adjacent to Site RB-07 (Figure 5-1) and analyzed for the same parameters as the site characterization samples. The background samples were collected using stainless-steel bucket augers assembled onto stainless-steel extensions and handles. The sample depths were 4 to 5 ft and 7 to 8 ft bgs.

Table 5-1. Site RB-07 Soil Samples

Sample	Location	Total	Comments
RB-07-01-0405	Background	5 ft	
RB-07-01-0708	Background	8 ft	
RB-07-02-0102	South Soil Mound	2 ft	MS/MSD
RB-07-03-0102	South Soil Mound	2 ft	
RB-07-04-0001	South Soil Excavation	1 ft	
RB-07-05-0001	South Soil Excavation	1 ft	
RB-07-06-0102	North Soil Mound	2 ft	
RB-07-07-0102	North Soil Mound	2 ft	
RB-07-08-0102	North Soil Mound	2 ft	
RB-07-09-0001	North Soil Excavation	1 ft	
RB-07-10-0001	North Soil Excavation	1 ft	
RB-07-11-0001	North Soil Excavation	1 ft	
RB-07-98-0102	North Soil Mound	2 ft	QA/QC duplicate of RB-07-06-0102
RB-07-99-0102	South Soil Mound	2 ft	QA/QC duplicate of RB-07-03-0102

5.3 Site Characteristics

5.3.1 Geology

One soil boring was completed at RB-07 (sample RB-07-01). This hand-augured boring, which served as the background sample location, reached a depth of approximately 8 ft below grade, at which point refusal occurred (Figure 5-1).

The soils observed at RB-07 were derived from weathering of granite and granitic gneiss present within the uplifted Manzanita Mountains forming the core of the Manzano WSA. The soils contained an abundance of fresh (i.e., very slightly weathered) angular granules and pebbles comprised of quartz, feldspar, and granitic rock fragments. Fresh biotite and muscovite flakes were also present.

Depth to bedrock at RB-07 was probably no more than a few feet, as evidenced by the occurrence of refusal at 8 feet below grade in boring BG-01.

5.3.2 Hydrogeology

Groundwater was not encountered in the background boring completed at the RB-07, which attained a depth of 8 feet below grade. Depth to regional groundwater in the vicinity of RB-07 is unknown. Groundwater may be present in shallow perched zones and at the contact between the probable thin soil horizon (i.e., probably no more than a few feet in thickness) and underlying bedrock. At this contact, groundwater would be expected to move downgradient and could migrate downward along faults, if encountered. Regional groundwater flow at Kirtland AFB is westward, from the uplifted Sandia/Manzanita Mountain areas toward the Rio Grande trough.

The RB-07 site is placed within HR2 by SNL (SNL, 1994). Within HR2, the saturated zone hydrology is characterized by the juxtaposition of high-permeability Santa Fe Group sediments against low-permeability Precambrian and Paleozoic rocks as a result of vertical offset by faulting associated with the Tijeras/Hubbell Springs/Sandia Fault complex, as depicted in Figure 2-6 (Thorn, et al., 1993). Information pertaining to groundwater flow within HR2 is limited, except that a steep gradient exists across the fault zone. The static water level is estimated at 5710 ft amsl to the east of the fault zone, whereas water levels range from 4920 ft amsl to 4935 ft amsl to the west of the fault zone at Sandia Technical Area III (SNL, 1994).

5.4 Nature and Extent of Contamination

Twelve site characterization samples were analyzed for concentrations of VOCs, lead, cadmium, tritium, gross alpha and beta, and gamma spectroscopy. In addition, two field replicate QA/QC samples were analyzed for these same parameters.

5.4.1 Analytical Results

Organic Compounds

As presented in Table 5-2, toluene was the only organic contaminant detected in the surface soil samples collected at Site RB-07. A concentration of 0.006 mg/kg was detected at surface soil samples RB-07-11 and RB-07-04. The human health risk-based action level for toluene is 16,000 mg/kg.

Lead and Cadmium

Lead detections were noted in all soil samples collected at Site RB-07. At no sampling location did lead detections exceed the HHRB action level of 400 mg/kg. Surface soil sampling location RB 07-04 exhibited the highest lead detection (22.8 mg/kg) at the site. Background lead detections were 8.6 and 12.5 mg/kg.

Cadmium concentrations were also below the HHRB action level for cadmium (40 mg/kg). The highest detection of cadmium was found at location RB-07-10, which was 1.8 mg/kg. Background detections of cadmium were 0.61 and 0.81 mg/kg.

Radiological Compounds

No detections of gross alpha or gross beta were observed above background. The soil analysis for gross alpha resulted in background levels of 46 pCi/g (4 to 5 ft) and 39 pCi/g (7 to 8). The range of alpha particle concentrations in the characterization samples was from 9.4 to 39 pCi/g.

The two background samples collected at Site RB-07 exhibited gross beta levels of 36 pCi/g. Detected beta particle concentrations in the environmental samples ranged from 22 to 36 pCi/g. Results of gamma spectroscopy analyses revealed an absence of radiological migration of waste material.

Table 5-2. Summary of Reportable Concentrations for Soil Analyses at RB-07 Kirtland AFB, New Mexico[Ψ,1]
[Concentrations (mg/kg)]

Chemical Class	Analyte	PQL / UTL	HHRB Action Level[2]	Sample Number and Sample Depth Interval (ft)							
				RB-07-01		*RB-07-02*	*RB-07-03*	*RB-07-03 FR*	*RB-07-04*	*RB-07-05*	*RB-07-06*
				4-5	7-8	1-2	1-2	1-2	0-1	0-1	1-2
VOC	Toluene	0.005	16000	ND	ND	ND	ND	ND	0.006	ND	ND
METALS	Cadmium	N/A	40	0.61	0.81	0.91	0.82	ND	0.71	1.5	0.81
	Lead	22.9	400	12.5	8.6	12.2	16.4	12.6	22.8	15	9.9
	Selenium	N/A	400	98.7	99.3	99	97.6	97.9	98.2	98.2	99.1
RAD (pCi/g)	Actinium 228			1.3	1.4	1.2	1.2	1.3	1.7	1.4	1.2
	Gross Alpha			46	39	14	26	19	32	28	29
	Gross Beta			36	36	28	25	32	35	32	25
	Bismuth-212			ND	0.1	ND	ND	0.2	ND	ND	ND
	Bismuth-214			0.8	1.1	0.7	0.8	1	1	0.8	0.9
	Cesium-137			ND	ND	ND	ND	ND	0.4	0.2	ND
	Lead-212			ND	1.2	ND	1.2	1.2	ND	ND	ND
	Lead-214			ND	1	0.9	0.9	1.1	1.4	1.2	1.1
	Potassium-40			ND	31	28	31	27	24	26	30
	Radium-224			ND	1.3	ND	1.4	2.2	2.3	ND	ND
	Thorium-227			ND	ND	ND	ND	ND	ND	ND	ND
OTHER	Moisture (%)			1.3	0.7	1	2.4	2.1	1.8	1.8	0.9

Ψ Complete table footnotes can be found after the last table in this section.

Chemical Class	Analyte	PQL / UTL	HHRB Action Level[2]	Sample Number and Sample Depth Interval (ft)				
				RB-07-06 FR	*RB-07-08*	*RB-07-09*	*RB-07-10*	*RB-07-11*
				1-2	1-2	0-1	0-1	0-1
VOC	Toluene	0.005	16000	ND	ND	ND	ND	0.006
METALS	Cadmium	N/A	40	0.71	1.6	1.2	1.8	0.82
	Lead	22.9	400	12	11.1	14.9	15.7	10.7
	Selenium	N/A	400	99	98.8	99.2	99.4	98.1
RAD (pCi/g)	Actinium 228			1.2	1.6	1.6	1.6	1.4
	Gross Alpha			30	39	29	39	9.4
	Gross Beta			25	35	25	35	30
	Bismuth-212			ND	ND	ND	ND	ND
	Bismuth-214			0.8	0.9	0.8	1.2	0.8
	Cesium-137			ND	ND	0.3	ND	0.3
	Lead-212			ND	ND	ND	1.7	ND
	Lead-214			1	1.2	1.1	1.4	1.2
	Potassium-40			27	25	28	28	27
	Radium-224			ND	2.8	ND	1.2	ND
	Thorium-227			ND	ND	ND	5.1	ND
OTHER	Moisture (%)			1	1.2	0.8	0.6	1.9

1 Complete laboratory analytical results including method detection limits are presented in the ITIR appendices.

2 Action Level Proposed Rule RCRA Subpart S Action Levels (55 FR 30814, 7/27/90).

*; TPH action level is 100 mg/kg adopted from NM UST regulations (USGS 2B Work Plan 3.6, NM El Board, 1990). SW-8015 analyzes volatile and semivolatile petroleum hydrocarbon fractions separately. The total concentration of the two fractions analyzed under 8015 will be used to assess compliance with stipulated action levels for the purpose of this RFI.

PQL; Practical Quantitation Limits (defines VOC, SVOC and TPH).

pCi/g; Picocuries per gram.

VOC; Volatile Organic Compounds.

TPH; Total Petroleum Hydrocarbons.

RAD; Radionuclides.

UTL; Upper Tolerance Limits (defines METALS).

HHRB; Human Health Risk Based.

FR; Field Replicate.

ND; Not Detected above the method detection limit.

Results of tritium analyses indicated an absence of detected concentrations of tritium at RB-07.

Soil Moisture

Soil moisture content ranged from 0.6 to 2.4 percent.

5.5 Nature of Contamination

Detected contaminants were present in quantities that were not indicative of site contamination. However, due to the previous use of the property as a waste disposal area for radiologically contaminated waste, the potential contaminants were selected for more detailed risk assessment. The radiological contaminants of concern at RB-07 were plutonium-239 and uranium-238.

5.6 Human Health Risk Assessment

A screening review was performed on borehole samples at RB-07. The purpose of this screening review was to determine if radiological contaminants had migrated from their respective burial sites. Gross alpha and gross beta data were provided along with two background samples. Analysis for specific radionuclides was not performed because of the limited knowledge of the source term.

5.6.1 Data Evaluation

The radiological contaminants of concern at RB-7 were plutonium-239 and uranium-238. These contaminants were identified in historical data, which also indicated that the buried materials were all reportedly excavated and removed, although the exact date of removal is unknown. A June 8, 1980, radiation survey of the fenced area, perimeter, and downslope area did not detect levels above background (Engineering Science, 1981). Also, other periodic surveys of the area have not detected radiation levels above background near the site.

Because of the wide variation in background measurements and statistical nature of radiological measurements, a statistical analysis was performed. Given the small background sample size (n=2), the standard determination of a level of concern (Lc) was not performed. Instead, borehole samples were identified to a trench, and a trench mean was developed. The trench mean was then compared to the background sample mean. This analysis, which was a comparison of population arithmetic means, was performed to determine if the sample and background populations were equal. This procedure was performed because the small sample

sizes invalidated the Central Limit Theorem and the populations must be assumed normally distributed.

In developing the trench means, all borehole samples (including all depths) associated with a given trench were averaged together to develop an arithmetic mean, $\overline{y}_1$, which was used to estimate the population mean of the area associated with the trench.

The statistical analysis was as follows:

$$H_o: \mu_1 - \mu_2 = 0$$

$$H_a: \mu_1 - \mu_2 \neq 0$$

$$T.S. = \frac{\overline{y}_1 - \overline{y}_2 - D_o}{\sqrt{\frac{s_1^2}{n_1} + \frac{s_2^2}{n_2}}}$$

To reject H_o, T.S. $\geq t_{\alpha,\nu}$

Where: H_o is the null hypothesis; H_a is the alternative hypothesis; μ_1 and μ_2 are the population means and are estimated with $\overline{y}_1$ and $\overline{y}_2$, which are the borehole data and the background data sample means respectively; s_1^2 and s_2^2 are the sample standard deviations for the borehole data and the background data; T.S. is the test statistic; and $t_{\alpha,\nu}$ is the value of the t distribution for α equal to 0.05 and υ degrees of freedom (Ott, 1993).

5.6.2 Exposure Assessment

The calculations and results of the analysis are in Appendix A. The analysis determined with 95-percent confidence that the two data sets are from the same population. Therefore, it was concluded with 95-percent confidence that no difference existed between the background samples and the borehole samples. Therefore, no risk characterization was performed.

5.7 Conclusions and Recommendations

Access to the former Manzano Weapons Storage Area is restricted. The buried material at RB-07 was excavated, and the removed material received screening until radiation meters indicated that all radioactive materials had been removed.

During the RFI, radiological field-screening of RB-07 resulted in a determination of no radiation above background levels. All soil samples receiving gross alpha, gross beta, and gamma spectroscopy analyses were also found to be at background concentrations. In addition, the soil analyzed was absent of chemical contamination, based on analyses of VOCs, lead, and cadmium.

Conclusions

In conclusion, the results indicate that the buried material was successfully excavated, and no residual waste exists. No potential exposure hazards remain from the former radioactive waste disposal area.

Recommendations

- It is recommended that the excavated pits be backfilled to eliminate the physical hazards associated with open excavations.
- No further action is recommended at RB-07. The site can be removed from further consideration as an SWMU for corrective action.

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Kirtland Air Force Base
Albuquerque, New Mexico

RCRA Facility Investigation (RFI)
Stage 2D-1

Appendices A-F

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Albuquerque, New Mexico

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RCRA Facility Investigation (RFI)
Stage 2D-1

Appendices A-F

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USAF Statement of Work

7 March 1994

STATEMENT OF WORK

INSTALLATION RESTORATION PROGRAM

RCRA FACILITY INVESTIGATION

STAGE 2B, APPENDIX II, STAGE 2C, APPENDIX III & STAGE 2D, APPENDIX IV

KIRTLAND AFB, NM

I. DESCRIPTION OF WORK

1.1 Introduction

1.1.1 Background. The Air Force is committed to effective environmental compliance and stewardship activities to maintain access to the air, land, and water needed to maintain and improve our mission capability. This is accomplished through compliance with environmental regulations at Federal, State, and/or local levels. The purpose of a Resource Conservation Recovery Act (RCRA) Facility Investigation (RFI) is to determine the nature and extent of releases of hazardous waste or hazardous substances from regulated units and/or solid waste management units, and to gather all necessary data to support No Further Action or a Corrective Measures Study. The RFI consists of three tasks: Task I, RFI Workplan; Task II, RCRA Facility Investigation; Task III, RFI Final Report and Summary. Following the RFI, a determination of No Further Action may be made or a Corrective Measures Study (CMS) may be indicated.

In April 1988, The Environmental Protection Agency , Region VI, performed a Facility Assessment under the Resource Conservation and Recovery Act (RCRA) as part of the process for approving the RCRA Hazardous Waste Management Part B Permit application for Kirtland AFB. Appendices I, II, and III of the RCRA Corrective Action Compliance Schedule identified numerous Solid Waste Management Units (SWMUs) which required further investigation and characterization. The RCRA "corrective action" will be implemented under the Defense Environmental Restoration Program (DERP), which has been further refined by the Air Force as the Air Force Installation Restoration Program (IRP). The IRP is the basis for response actions on Air Force installations under the provisions of DERP for cleanup of past disposal and landfill sites.

The contractor shall accomplish the actions described in this Statement of Work to complete Stage 2B, Appendix II, Stage 2C, Appendix III and Stage 2D, Appendix IV sites listed in Annex A, Table A-4, of the RCRA Facility Investigation Process at Kirtland AFB, NM

1.1.2 Requirements for Project Activities. The Handbook To Support The Installation Restoration Program (IRP) Statements Of Work referenced in this Statement of Work provides guidance for laboratory and field activities and for project documents that can be used by the contractor unless otherwise specified in this Statement of Work. The most recent edition of the Handbook is provided for guidance as Government Furnished Information (GFI). This document is referenced in this Statement of Work as the Handbook. The contractor is responsible for the thorough knowledge and understanding of the previous findings and recommendations that affect this task prior to the start of field activities. The contractor shall comply with the specifications, procedures, and methodologies presented in the Kirtland AFB EPA Permit for authorization to operate under the Resource Conservation and Recovery Act (EPA ID NO. NM9570024423, issued 14 Nov 90,

provided as GFI). This document is hereafter referred to as the "Permit". The contractor shall perform tasks of the permit as descried in this SOW. In addition the contractor shall comply with the SW 846 Methods and the QA/QC protocols specified in the guidance document, "Test Methods for Evaluating Solid Waste", Third Edition, EPA SW 846, Nov 86 and RFI Guidance (EPA-530/SW-89-031) except where specified in this SOW. In addition the contractor shall spike all analytes of interest. The contractor shall use a laboratory that has been audited and approved by AFCEE for all analyses listed in this SOW. Per the Handbook, California Brass Rings shall be used to collect all VOC samples. In addition, the project specific RFI Work Plans shall include a Data Collection Quality Assurance Plan, a Health and Safety Plan, a Data Management Plan, A Community Relations Plan and a Project Management Plan as specified by this SOW and approved by AFCEE/ESR Contracting Officers Representative (COR). The COR and the Base Point of Contact (POC) shall be notified in writing prior to any modification of, or deviation from, any activity described in these documents. The RFIs shall encompass SWMUs listed in Appendix II, Appendix III and Appendix IV of the Kirtland AFB permit, shown here as Appendix A, Table A-4 of this SOW.

1.1.2.1 Data Collection, Sampling, and Analysis Procedures. The contractor shall conduct field activities, sampling, laboratory analysis and data quality assessment . The guidance in section 2 of the Handbook is recommended. The contractor shall conduct all activities in accordance with the Kirtland AFB Work Plans and the SAPs approved by AFCEE/ESR. Stage 2B, Appendix II work will be conducted in accordance with the Stage 2B work Plan completed by the U.S. Geological Survey (USGS), Water Resources Division, dated January 1993. Stage 2C, Appendix III and Stage 2D, Appendix IV work will be conducted in accordance with the Work Plans for Stage 2C and Stage 2D developed under this SOW. The COR shall be notified in writing of any planned deviation from the activities specified in these documents. AFCEE/ESR approval of deviations is required prior to performance.

The field investigation (including all drilling and sampling operations) shall be supervised by a registered geologist, hydrogeologist or professional geotechnical engineer registered in the state of New Mexico. A detailed log of field conditions, materials penetrated during drilling, well completion and sampling conditions shall be maintained and made available for Government inspection upon request. Guidance in section 2 of the Handbook is recommended. Decisions on well and boring locations, well depths, screened intervals and all details of the field investigation shall be made collectively by the COR, Kirtland AFB POC and the contractor's field or project supervisor.

1.1.2.2 Regulatory Requirements and Permits. All soil borings, sampling, laboratory analysis, and other activities pursuant to this effort shall be conducted in strict accordance with all applicable laws, ordinances, rules, and regulations of federal, state, and all authorities with jurisdiction over such activities. The contractor shall complete permits, applications, other documents, and proficiency tests required by the regulatory agencies. The contractor shall file documents with appropriate agencies and pay all applicable permit and filing fees. The contractor shall identify locations requiring digging permits to the Kirtland AFB POC fourteen (14) days before permits are required. The contractor shall include all correspondence in appendices to the technical reports. Guidance in Section 4 of the Handbook is recommended.

All laboratory analyses shall conform to all applicable federal, state, and local regulatory agency requirements. If the requirements specify that certification is necessary to conduct one or more specific analyses, the contractor shall furnish documentation showing laboratory certification to AFCEE/ESR prior to collecting samples to be submitted to the laboratory.

1.1.2.3 Waste Disposal. All waste disposal pursuant to activities of this SOW shall be the responsibility of the contractor according to all applicable local, state and federal regulations. The contractor shall provide all containers necessary (55 gallon drums, roll-offs, dumpsters, etc.) to containerize (in accordance with applicable regulatory requirements, guidance in the Handbook and

the approved plans) those drill cuttings, excavation materials and other products which are suspected to be hazardous. The contractor shall properly containerize and transport drill cuttings and recovered fluids to the accumulation point designated by the POC pending proper disposal. The contractor shall properly characterize for disposal all material/wastes, etc.

1.1.2.3.a Disposal of RCRA hazardous wastes/materials.. The contractor shall characterize wastes/materials for disposal. Following characterization, the contractor shall prepare all manifest documents for he Kirtland AFB Environmental Management Office for the ultimate disposal of excavation materials, drill cuttings and recovered fluids determined to be RCRA hazardous. The contractor shall provide the manifest documents to the COR and the POC. The installation will be responsible for the transportation and ultimate disposal of RCRA hazardous materials.

1.1.2.3.b Disposal of RCRA non-hazardous wastes/materials. The contractor shall characterize wastes/materials for disposal. Following characterization, the contractor shall be responsible for the transportation and ultimate disposal of excavation materials, drill cuttings and recovered fluids determined to be RCRA non-hazardous. The contractor shall dispose of RCRA non-hazardous materials either off-base at a proper landfill or, at the discretion of the POC, on-base in a manner specified by the POC. The contractor shall properly dispose of these materials according to applicable state and federal regulations.

1.1.2.4 Quality Assurance/Quality Control (QA/QC). The contractor shall conduct and document a QA/QC program for all work pursuant to this delivery order in accordance with section H, paragraph 27 of the basic contract. Contractor and project-specific documents concerning QA/QC procedures and requirements shall be strictly followed. The contractor shall review all data generated under the QA/QC program in accordance with project specific documents. Guidance in Section 2.3 of the Handbook is recommended. All chemistry reviews shall be performed by a chemist experienced in all aspects of the QA/QC program. Data shall be assured by the contractor to ensure the analytical results and field work accomplished for each site is accurate, definable and legally defensible data that may be used to develop conceptual site models, perform risk analysis and evaluate potential alternative actions.

1.1.2.5 Special Notifications.

1.1.2.5.a Health Risks. The contractor shall immediately report to the COR and the Kirtland AFB POC, via telephone, any data or results generated during this investigation which may indicate an imminent health risk. Following this telephone notification, a written notice with supporting documentation (e.g. lab results, field data) shall be prepared and delivered to the COR within three (3) days. Upon request of the Air Force, the contractor shall submit the appropriate raw laboratory data (e.g. chromatograms) within three (3) weeks of the telephone notification (Sequence No. 16).

1.1.2.5.b Change of Contractor Personnel. The contractor shall notify the COR and Kirtland AFB POC of all professional personnel to work on specific tasks under this SOW within three (3) weeks. The contractor shall notify the COR and Kirtland AFB POC of any significant changes in project personnel along with the steps that the contractor is taking to ensure there are no impacts to the schedule or individual tasks. Upon the request to the COR, a revised organizational chart displaying key personnel involved in this effort and their respective labor categories shall be submitted with the next monthly Research and Development Status Report, assume a maximum of three revisions. These personnel changes shall be recorded in the weekly Field Progress Reports.

1.1.2.5.c Subcontractor Use. The contractor shall identify all subcontractors to be used under this contract to the COR and the Kirtland AFB POC prior to subcontractor work being initiated. The contractor shall provide information about the qualifications of the subcontractors to the COR

prior to utilization.

1.1.2.5.d Field Progress Reports. The contractor shall transmit weekly progress reports to the COR and the Kirtland AFB POC. Weekly Field Progress reports shall include the following components:

a. A listing of all field activities including the number of borings completed, total daily footage, probes emplaced, number of wells sampled, number of samples sent for analysis, etc.

b. A listing of contractor field personnel on-site and workday duration.

c. Changes in field personnel for the project.

d. A listing of any problems encountered including equipment downtime, health and safety concerns, access constraints, etc.

A standard format shall be used and will be provided by the government to facilitate concise reporting of the above information. Weekly Field Reports shall be transmitted before the Friday close of business or no later than 1000 hr's the following Monday.

1.1.2.5.e R&D Status Report. The contractor shall prepare a monthly report to describe the technical status and progress of the project. The report is for the purpose of informing the COR and regulators of the specific tasks accomplished during the previous month. Guidance in Section 4.1 of the Handbook is recommended.

1.1.2.5.f Quarterly Reports. The contractor shall prepare a quarterly report to describe the technical status and progress of the project. The purpose is to inform the base and Regulators of the specific tasks accomplished during that quarter. The report shall meet the requirements listed in Task V, Section B, Progress, of the Permit. Guidance in section 4.1 of the HAndbook is recommended. The report shall be submitted to the COR and the Kirtland AFB POC on a schedule that shall meet the requirements of the Permit.

1.1.3 Meetings. The contractor shall attend meetings at Kirtland AFB and at the Region VI offices in Dallas, TX. The purpose of these meetings shall be to coordinate site activities and discuss continuing efforts. All meetings shall be coordinated by the COR and POC. In addition, the contractor shall prepare presentations and materials for public meetings as needed. The contractor shall set up regular teleconference calls between the contractor, COR and POC, The contractor shall prepare meeting minutes for all meetings and teleconferences. The contractor shall prepare presentation materials for the meetings.

1.2 Project Scoping Documents.

1.2.1 Engineering Network Analysis. The contractor shall provide within 10 days of the effective date of this delivery order a computer generated network analysis which is a detailed task plan for the RFI work effort. The Network Analysis shall be in the form of a progress chart of suitable scale to indicate appropriate percentages of work scheduled for completion by any given date during the periods of the delivery order. The Network Analysis will show both serial and parallel sub tasks leading to a deliverable product or report. Show early and late start and completion dates with float. The Network Analysis shall be updated and submitted upon request of the COR.

1.2.2 RCRA Facility Investigation (RFI) Work Plan. The contractor shall prepare an RFI Work Plan for all Stage 2C, Appendix III and Stage 2D, Appendix IV, Solid Waste Management Units (SWMUs) listed at Annex A-4. The RFI Work Plans for the SWMUs shall meet

the requirements of the Region VI EPA. The Work Plan shall include a Data Collection Quality Assurance Plan, a Data Management Plan, a Health and Safety Plan, a Community Relations Plan, and a Project Management Plan.

1.2.2.1 Data Collection Quality Assurance Plan. The contractor shall prepare a Data Collection Quality Assurance Plan to document all monitoring procedures: sampling, field measurements and sample analysis performed at the facility during the investigation to characterize the environmental setting, source, data, and resulting decisions are technically sound, statistically valid, and properly documented.

1.2.2.2 Health and Safety Plan. The contractor shall prepare a Health and Safety Plan consistent with the requirements listed in the Permit, Task II, section C.

1.2.2.3 Data Management Plan. The contractor shall prepare a Data Management Plan to document and track investigation data and results. This plan shall identify and set up data documentation materials and procedures, project file requirements, and project-related progress reporting procedures and documents. The plan shall also provide the format to be used to present the raw data and conclusions of the investigation.

1.2.2.4 Community Relations Plan. The contractor shall prepare a facility community relations plan consistent with the requirements listed in the Permit, Task II, section D.

1.2.2.5 Project Management Plan. The contractor shall prepare a Project Management Plan which shall include a discussion of the technical approach, schedules, budget, and key project personnel. The project management plan will also include a description of qualifications of key personnel performing or directing the RFI, including contractor personnel. This plan shall also document the overall management approach to the RFI.

1.2.3 Industrial Waste Line Investigation Work Plan (IWLIWP). The contractor shall prepare an Industrial Waste Line Investigation Work Plan separate from the RFI Work Plan to assess whether any contaminants from the Industrial Waste Lines have entered the environment. The Industrial Waste Lines include all septic systems (including tanks, leach fields and sewer lines), storm sewers and lines, sanitary sewer lines and oil/water separator inflow and outflow lines. The contractor shall submit an annotated outline for COR concurrence prior to report preparation. The plan shall describe survey activities to be included in the RFI. This shall be accomplished through dye testing, smoke testing, a video survey, a neutron probe survey, and/or other means as required. (e.g. pressure testing). The Industrial Waste Line Investigation Work Plan shall include:

a. A summary of all the available data pertaining to the industrial process operations, past and present waste management practices, and past upgrades and improvements.

b. Procedures necessary to assess whether any contaminants have been released to the environment from the Industrial Waste Line.

c. Procedures necessary to assess the extent, size, integrity and accessibility of laterals (generally pipe of less than 8" in diameter).

1.3 Project Activities. The contractor shall perform the following tasks to achieve the purposes stated herein, in compliance with approved scoping documents, the Handbook, and all applicable regulations and requirements.

1.3.1 Planning. The contractor shall prepare scoping documents per section 1.2 of this SOW.

1.3.2 Conceptual Site Model. For each of the sites prepare a preliminary conceptual site model for inclusion in the RFI Work Plan. Use new data supported by acceptable QA/QC results (as measured against sampling and analysis requirements) and site characterization information to refine the conceptual site model for inclusion in the RFI Report. The contractor shall follow the format outlined in section 2.3 of the Handbook.

1.3.3 RFI Field Investigation. The contractor shall perform a RCRA Facility Investigation to characterize environmental conditions, define the nature and extent of contamination, and estimate the risk to human health and the environment at the SWMUs listed in appendix II, III and appendix IV of the Permit. The contractor shall collect geologic and hydrologic data, collect and analyze environmental samples for potential contaminants, evaluate the analytical results and field measurements with respect to quality control data, and interpret and analyze data developed in the Work Plans by the contractor under this project for sites listed in Annex A-4. Evaluation criteria guidance in the Handbook is recommended. The purpose of data collection, sample collection and laboratory analysis is to determine whether any contaminants generated from installation activities have entered the environment. The field investigation is used to determine the source of any identified contaminants, the magnitude of contamination relative to RCRA guidance and standards and any naturally occurring or background concentrations for specific compounds. The field investigation shall comply with the specifications, procedures, and methodologies presented in the approved RFI Work Plan for Stage 2B, Appendix II sites, the approved RFI Work Plan for Stage 2C, Apendix III sites and the approved Work Plan for Stage 2D, Appendix IV sites and any addenda approved by the USEPA and accepted by the COR. The CO, COR and the Kirtland AFB POC must be notified in writing and approval in writing obtained prior to any modification of, or deviation from, any activity described in these documents.

1.3.3.1 General Requirements for Field Work. Except where deviations are specified in this SOW or specifically coordinated with the COR, the contractor shall execute the work identified in the Work Plan for Stage 2B, Appendix II, the Work Plan for Stage 2C, Appendix III and Stage 2D, Appendix IV prepared in accordance with this SOW, approved RFI Work Plans and the specified guidance documents. Annex A specifies the field activities, analytical methods, the parameters for analyses, and approximate number of funded analyses for soil and sludge samples. Additional information on general requirements for field work is provided below.

1.3.3.1.a Soil Borings Using Hand Auger or Portable Powered Auger. Borings with target depths of twenty-five (25) feet or less shall be drilled using a hand auger or portable powered auger. Due to the anticipated presence of coarse material in the subsurface, auger refusal is likely to be a problem and the total target depth may not be attainable. Therefore, a maximum of three attempts within twenty (20) feet of the initial boring location shall be made at each planned borehole location. if the target depth is not attainable after these attempts, then the material retrieved from the deepest of the holes shall be used for lithologic description and sampling purposes, unless field evidence indicates the presence of organic contamination in soil removed from shallower holes. In that case, all apparent contaminated material from all boreholes at that location shall be submitted for analysis. All samples collected for volatile organic compound analysis shall be taken with a California (brass) ring or equivalent sampler. For the purposes of pricing and counting the estimated number of boreholes and depths of boreholes are listed at, only the deepest of the holes shall be counted at each planned borehole location and up to three contingency boring locations shall be provided for in the RFI Work Plans.

1.3.3.1.b Soil Borings Using Truck Mounted Auguring Equipment. Borings with target depths of twenty five (25) to one-hundred (100) feet shall be drilled with truck-mounted auguring equipment and the samples retrieved using a split spoon sampling device. All soil samples collected for volatile organic analysis shall be taken using a California (brass) ring or equivalent

sampling device. If the recovery using the split-spoon sampler is poor of nonexistent at a designated sample depth, the auger shall be advanced to the bottom of the designated sample interval, and additional attempts made until acceptable recovery is achieved. If auger refusal occurs prior to the attainment of the target depth, auger flights will be retrieved from the hole and the rig shall be repositioned within about 20 feet of the previous boring location. A maximum of three attempts shall be made to drill to a minimum of fifty (50) feet at each planned borehole location. If the target depth is not attainable after these attempts, then the material retrieved from the deepest of the holes shall be used for lithologic description and sampling purposes, unless field evidence indicates the presence of organic contamination in soil removed from shallower holes. In that case, all apparent contaminated material from all boreholes at that location shall be submitted for analysis. For the purposes of pricing and counting, the estimated number of boreholes and depths of boreholes are listed at Annex A. Only the deepest of the holes shall be counted at each planned borehole location.

1.3.3.1.c Lithological Samples. The contractor shall describe core or cutting samples at least every five (5) feet of drilling and at each change in lithology. Record soil moisture conditions (moist, wet, saturated, etc.) in the boring log. Following the standard identification practices detailed in the Handbook is recommended. Include observations made by the driller and rig geologist during drilling such as depth to water, penetration rate, drill rig behavior, and other observations that might be indicative of changes in formation characteristics.

1.3.3.1.d Air Monitoring During Drilling. The contractor shall monitor the ambient air during all drilling with an appropriate organic vapor analyzer to identify potentially hazardous and/or toxic vapors. Include air monitoring results in borehole logs.

1.3.3.1.e Water-Level Measurements in Boreholes. If groundwater is encountered, the contractor shall measure water levels in those boreholes after the water level has stabilized. Include this information and the date of measurement in the boring logs. Also record soil moisture conditions (moist, wet, saturated, etc.) in the boring log for all boreholes.

1.3.3.1.f Surveying. Mark the field locations of all borings during the planning/mobilization phase of the field investigation. Consult with base personnel to minimize the disruption of base activities, to properly position wells with respect to site locations, and to avoid penetrating underground utilities. Obtain all digging permits prior to commencement of digging and drilling operations. Determine by registered land surveyor the elevations and locations of all on and off-base monitor wells, piezometers, soil gas sampling locations and borings. All locations shall be surveyed by the contractor for vertical and horizontal control. Record the positions on project and site specific maps. Clearly mark all sample locations with a permanently installed metal marker stamped with site identification and elevation. Use survey data to update any digitized map files (printed under separate cover. Bench marks used must have been previously established from, and be traceable to, a U. S. Coast and Geodetic Survey (USCGS) or U. S. Geological Survey (USGS) survey marker. Clearly identify all bench mark locations on the base map.

1.3.3.1.g Borehole Sites. Contractor shall return all sites to the pre-investigation condition of the site.

1.3.3.2 Surface Geophysical Surveys. The contractor shall conduct surface geophysical surveys as needed to determine the location of underground storage tanks, underground utilities, and pipelines. The estimated number of surface geophysical surveys to be conducted is shown in Annex A.

1.3.4 Risk Analysis. For each site use data supported by acceptable QA/QC results as measured against sampling and analysis requirements and the conceptual site model to numerically estimate the risk posed by site contaminants to public health and the environment. Provide a

comparison of environmental sample results to both background and RCRA action levels in accordance with the permit and the requirements specified in 40 CFR subpart S, part 264.511 (7). Provide the results of the risk assessment in an ITIR and in the RFI Report. The extent of this task will be dependent upon the results of the sample analysis.

1.3.5 Literature Search. Conduct a literature search to supplement existing information that has been collected for all sites. The purpose of the literature search is to complete the conceptual site model so that a risk analysis can be performed, data gaps can be identified and complete Work Plans can be developed. Summarize the findings in an Informal Technical Information Report.

1.4 Project Deliverables. The contractor shall deliver the following documents in compliance with the requirements of item VI, the Permit and the specifications noted below. Format guidance in sections 1 and 4 of the Handbook is recommended. Draft reports are considered "drafts" only because they have not been reviewed and accepted by the Air Force. In all other respects, drafts shall be complete, in the proper format, fully illustrated, and free of grammatical and typographical errors.

1.4.1 Scoping Documents. Refer to Section 1.2 for a description of the scoping documents.

1.4.1.1 Engineering Network Analysis. Per paragraph 1.2.1. of this SOW, the contractor shall provide the engineering network analysis within ten (10) days of the effective date (ED) of the order. (Item VI, Sequence 3 , Para 6.1.)

1.4.1.2 RFI Work Plan. Per paragraph 1.2.2. of this SOW, the contractor shall provide the RFI Stage 2C, Appendix III, Work Plan and an RFI Stage 2D, Appendix IV Work Plan within 12 weeks of the effective date of the order. (Item VI, Sequence 4, Para 6.1.)

1.4.1.2.a Data Collection Quality Assurance Plan. Per paragraph 1.2.2.1 of this SOW, the contractor shall provide the Data Collection Quality Assurance Plan as part of each RFI Work Plan.

1.4.1.2.b Health and Safety Plan. Per paragraph 1.2.2.2 of this SOW, the contractor shall provide the Health and Safety Plan as part of each RFI Work Plan.

1.4.1.2.c Data Management Plan. Per paragraph 1.2.2.3 of this SOW, the contractor shall provide the Data Management Plan as part of each RFI Work Plan.

1.4.1.2.d Community Relations Plan. Per paragraph 1.2.2.4 of this SOW, the contractor shall provide a Community Relations Plan as part of each RFI work Plan.

1.4.1.2.d Project Management Plan. Per paragraph 1.2.2.5 of this SOW, the contractor shall provide the Project Management Plan as part of each RFI Work Plan.

1.4.1.3 Industrial Waste Line Investigation Work Plan. Per paragraph 1.2.3 of this SOW, the contractor shall provide the Industrial Waste Line Investigation Work Plan within 90 days of the effective date of the order. (Item VI, Sequence 4, Para 6.1.)

1.4.2 Informal Technical Information Reports (ITIRs). Prepare and submit the following ITIRs

1.4.2.a Analytical Data Per paragraph 1.3.3 of this SOW, the contractor shall submit all analytical data, including QC results and cross reference tables, in an ITIR for each appendix. (Sequence 3, para. 6.1) Use of the format guidance in section 4 of the Handbook is recommended.

1.4.2.b Digitized Data Per paragraph 1.3.3.1.f of this SOW, the contractor shall update any existing digitized map files (provided under separate cover) to include all new sites and sampling locations. The contractor shall encode the revision date in the digitized data file. Provide a copy of the revised digitized data file to AFCEE/MSC. (Sequence 1, para. 6.2)

1.4.2.c Literature Search ITIR. Per paragraph 1.3.5 of this SOW, the contractor shall submit all data gathered that supports the preparation of a conceptual site model, allows for the identification of data gaps and will lead to the performance of a risk analysis. (Sequence 3, para. 6.1)

1.4.2.d Risk Analysis ITIR. Per paragraph 1.3.4 of this SOW, the contractor shall provide a risk analysis for each appendix which conforms to the Permit and 40 CFR Subpart S, Part 264.511. (Sequence 3, para. 6.1)

1.4.2.e Conceptual Site Model. Per paragraph 1.3.2 of this SOW, the contractor shall submit a Conceptual Site Model ITIR. (Sequence 3, para 6.1)

1.4.3. Technical Reports. Summarize the findings of the current task, integrate them with the results of all pertinent previous studies, and formulate conclusions and recommendations for future efforts in an RFI Report for Stage 2B, Appendix II sites, an RFI Reprot for Stage 2C, Appendix III sites and an RFI Report for Stage 2D, Appendix IV sites. The contractor shall provide the RFI Reports using the format specified in the Permit and guidance contained in the RFI Work Plan and the RFI Guidance (EPA-530/SW-89-031). (Sequence 4, para. 6.1)

1.4.4 Data Management. The contractor shall meet the data deliverable requirements of the Installation Restoration Program Information Management System (IRPIMS). The contractor shall be responsible for recording field and laboratory data into a computerized format as required by the most current version of the IRPIMS Data Loading Handbook (mailed under separate cover). In order to perform this task, the contractor shall use the latest version of the IRPIMS Quality Control Tool (QC Tool), a PC software utility (mailed under separate cover with software manual), to quality check ASCII data files and to check all data files for compliance with requirements in the IRPIMS Data Loading Handbook. Upon request, the IRPIMS Contractor Data Loading Tool (CDLT) is available. This PC software is designed to assist the contractor in preparing the various ASCII data files.

Individual IRPIMS data files (e. g. analytical results, groundwater level data, etc.), including re submissions, shall be delivered with a transmittal letter by the contractor to the Air Force Center for Environmental Excellence (AFCEE) in sequence according to a controlled time schedule as identified in the current version of the IRPIMS Data Loading Handbook. The contractor shall include a copy of the Quality Control Tool error report, i.e. output from the QC tool, for each IRPIMS file submission. The error report shall be submitted as hard copy with the transmittal letter. (Sequence 3, para 6.2).

All contractor data deliverables shall be sent to:

AFCEE/MSC BLDG 624W
ENVIRONMENTAL DATA MANAGEMENT DIVISION
ATTN: IRPIMS Data Management
8001 Inner Circle DR STE 2
Brooks AFB TX 78235-5328

In addition, the contractor shall provide a copy of the transmittal letter to the Air Force contracting office responsible for the contract, HSC/PKV (8005 9th St, Brooks AFB, TX 78235-5353) for

AFCEE contracts. This letter shall identify the files included or otherwise omitted (with an appropriate explanation), the government contract and delivery order number and the Air Force point of contact that is responsible for monitoring the government contract.

The contractor shall be responsible for the accuracy and completeness of all data submitted. All data entered into the IRPIMS data files and submitted by the contractor shall correspond exactly with the data contained in the original laboratory reports and other documents associated with sampling and laboratory contractual tasks.

Each file delivered by the contractor will be electronically evaluated by AFCEE/MSC for format compliance and data integrity in order to verify acceptance. All files delivered by the contractor are required to be error-free and in compliance with the IRPIMS Data Loading Handbook. Any errors identified by AFCEE/MSC in the submission shall be corrected by the contractor.

1.4.5. Letter Reports. The contractor shall prepare an undetermined number of letter reports as directed by the COR. The purpose of the letter reports is to provide data and the contractors' evaluation of the data to enable the COR and base POC to be involved in the decisions based on that data. The letter shall briefly describe the task performed, the contractor's evaluation of the data collected, and recommendations for subsequent tasks. All data collected as part of this task shall be provided as an attachment to the letter (Sequence 3, para. 6.1)

1.4.6 Special Notifications.

1.4.6.a Health Risks. Per paragraph 1.1.2.5.a, provide written notification of imminent health hazards and supporting documentation (e.g., analytical results, chromatograms, etc.) within three (3) days of telephone notification (Sequence 16, para. 6.1).

1.4.6.b Change in Contractor Personnel. Per paragraph 1.1.2.5.b, provide written notification of change in contractor personnel within three (3) days of telephone notification (Sequence 16, para. 6.1).

1.4.6.c Subcontractor Use. Per paragraph 1.1.2.5.c, provide written notification of subcontractor use within three (3) days of telephone notification (Sequence 16, para. 6.1).

1.4.6.d Proposed Field Activities. Per paragraph 1.1.2.5.d, provide written notification of proposed field activities and supporting documentation within three (3) days of telephone notification (Sequence 16, para. 6.1).

1.4.6.e Field Progress Reports. Per paragraph 1.1.2.5.e, provide written field progress reports and supporting documentation within three (3) days of telephone notification (Sequence 16, para. 6.1).

1.4.7 Progress Reports.

1.4.7.a Per paragraph 1.1.2.5.f, provide monthly R&D Status (Sequence 1, Para 6.1) reports in accordance with the permit.

1.4.7.b Per paragraph 1.1.2.5.g, provide quarterly (Sequence 3, Para 6.1) progress reports in accordance with the Permit.

1.4.8 No Further Action Decision Documents. For those sites requiring no further action, the contractor shall provide a decision document in the form of an application to terminate the RFI/CMS process in accordance with the Permit. Where appropriate, the contractor shall utilize

existing decision documents and append these with the findings of the current effort. Where appropriate and acceptable to the USEPA, the contractor shall group No Further Action (NFA) sites into a single decision document. Assume for costing purposes that no more than 45 sites will require a NFA decision document. (Sequence 4, para. 6.1)

1.4.9 **Man-hour Expenditure Charts and Funds Expenditure Chart (MEC/FEC).** Provide MEC/FEC charts for a graphical representation of the data on the Performance and Cost Report that is to be submitted with the R&D Status Report each month. (Sequence 21, para 6.1)

1.4.10 **Performance and Cost Report.** Provide a Performance and Cost Report to be submitted monthly with R&D Status Report and the Man-hour Expenditure Charts and Funds Expenditure Chart. (Sequence 21, para 6.1)

1.4.11 **Presentation Materials.** Provide presentation materials for meetings in accordance with Paragraph 1.12.3. (Sequence 18, para 6.1)

1.4.12 **Meeting Minutes.** Provide meeting minutes in accordance with paragraph 1.1.3. (Sequence 18, para 6.1)

II. SITE LOCATION AND DATES

Kirtland AFB, NM, date to be established.

III. Base Support

The Base will:

3.1 Locate underground utilities and issue digging or other appropriate permits to the contractor prior to the commencement of digging or drilling operations.

3.2 Assign accumulation points within the installation to which the contractor can deliver any drill cuttings or well installation/development fluids generated from the required work which are suspected to be hazardous. The contractor is responsible for providing all necessary containers (55-gallon drums) and for transporting the containerized material to the accumulation point.

3.3 Provide the contractor with existing engineering plans, drawings, diagrams, aerial photographs digitized map files, etc., to facilitate evaluation of IRP sites under investigation.

3.4 Arrange for the following:

a. Personnel identification badges, vehicle passes, and/or entry permits.

b. A staging area (approximately 1000 square feet) for storing equipment and supplies. Contractor will be responsible for security.

c. A supply (e.g., fire hydrant, stand pipe, etc.) of large quantities of potable water for borehole flushing, equipment cleaning, etc.

d. A paved area where drilling equipment can be cleaned and decontaminated.

e. An area for a temporary office trailer .

f. A set of keys to the locks on any existing test/monitoring wells.

g. Temporary construction barriers and parking/traffic control at the well sites in areas of vehicle traffic.

h. As required, provide escorts for contractor personnel working in secured areas.

IV. Government Furnished Property:

4.1 The Installation Restoration Program Information Management System (IRPIMS) Data Loading Handbook referenced in this Statement of Work provides requirements for electronic data loading of technical information requirements identified in the laboratory and field activities that shall be used by the contractor unless otherwise specified in this Statement of Work. The latest version of the Data Loading Handbook shall be used. For pricing purposes the latest version of the Data Loading Handbook is Version 2.2 dated January 1991.

4.2 Upon request to AFCEE through the project COR, the IRPIMS Contractor Data Loading Tool (CDLT), the IRPIMS Quality Control Tool (QC Tool), and the respective software manuals latest versions will be provided. For pricing purposes the latest version of the CDLT and QC Tool software and users manuals are Version 1.2.

4.3 The Work Plan And Sampling and Analysis Plan for Stage 2B, Appendix II perpared by USGS, Water Resources Division dated January 1993 referenced in the SOW provides requierments for the RFI.

V. Reserved

VI. DELIVERABLES

6.1 Attachment 1 of the Basic Contract

Sequence numbers 1 and 5 listed in attachment 1 to the basic contract apply to all orders. Guidance for preparing R&D Status Reports (Sequence no. 1) is contained in the Handbook, Section 3. In addition, the sequence numbers and dates listed below are applicable to this order.

Sequence	Para No.	Block 10	Block 11	Block 12	Block 13	Block 14
13(Field Progress Reports)	I.1.1.2.5.e	ASREQ	c	c	-	2
3(Quarterly Reports)	I.1.1.2.i	ASREQ	d	d	-	2
3(Engineering Network Analysis)	I.1.4.1.1	ASREQ	e	e	e	3
4(RFI Stage 2C Work Plan)	I.1.4.1.2	ONE/R	90ED	i	-	35
4(RFI Stage 2D Work Plan)	I.1.4.1.2	ONE/R	90ED	i	-	35
4(IWLI Work Plan)	I.1.4.1.3	ONE/R	90ED	i	-	35

4(RFI Stage 2B Tech Report)	I.1.4.3	ONE/R	h	h	-	30
4(RFI Stage 2C Tech Report)	I.1.4.3	ONE/R	h	h	-	30
4(RFI Stage 2D Tech Report)	I.1.4.3	ONE/R	h	h	-	30
3(ITIR-Literature Search)	I.1.4.2.c	ONE/R	30ED	l	-	5
3(Risk Analysis ITIRs)	I.1.4.2.d	ONE/R	o	o	-	7
3(Analytical Data ITIRs)	I.1.4.2.a	ONE/R	g	g	-	7
15(MEC/FEC)	I.1.4.9	ASREQ	a	a	-	3
1(R&D Status Reports)	I.1.1.2.h	ASREQ	a	a	-	3
21(P&C Reports)	I.1.4.10	ASREQ	a	a	-	3
16(Special Notification)	I.1.4.6	ASREQ	k	k	-	3
4(NFA Decision Doc)	I.1.4.8	ONE/R	k	k	-	10
18(Presentation Materials)	I.1.4.11	ASREQ	p	p	-	5
18(Meeting Reports)	I.1.4.12	ASREQ	j	j	-	5
3(Letter Reports)	I.1.4.5	OTIME	j	j	-	10

6.2 Attachment 2 of the Basic Contract

Sequence No.	Para No.	Block 10	Block 11	Block 12	Block 13	Block 14
3(DATA MGT-Stage 2B, Appx II) BCHON BCHLDI BCHSSI BCHLTD BCHSAMP BCHTEST BCHRES	I.1.4.4	OTIME	b	b	-	1
3(DATA MGT-Stage 2D, Appx II) BCHON BCHLDI	I.1.4.4	OTIME	b	b	-	1

BCHSSI
BCHLTD
BCHSAMP
BCHTEST
BCHRES

6.3 Notes

a. Submit monthly.

b. Submit every sixty (60) calendar days after the initial submittal. The IRPIMS data files shall be submitted on the first working day of the month. only IRPIMS data files that are finalized to completion shall be submitted to the (COR) or the Project Manager (PM). Partial or incomplete IRPIMS data files will not be accepted by the government. The completed files shall be submitted in sequence according to the IRPIMS Data Loading Handbook.

c Submit one week after field work begins and at one week intervals, thereafter.

d. Submit quarterly in accordance with the Permit requirements. Provide the base Point of Contact (POC) and the COR with one copy.

e. Submit two weeks after receipt of the Notice to Proceed (NTP) and update when required by the COR.

f. Submit with the first draft of the RFI Report.

g. Provide the analytical data ITIR upon completion of the total analytical effort and not later than three weeks after all analyses have been completed. Provide the data management disk with the ITIR.

h. Deliver sixty (60) days after the completion of the RFI. One first draft report (5 copies), one second draft report (10 copies), and one final report (15 copies) are required. Incorporate Air Force comments to produce the second draft and final reports as specified by AFCEE/ESR. Supply AFCEE/ESR with an advance copy of the first draft, second draft, and final reports for acceptance prior to distribution. Distribute the remaining 4 copies of the first draft, 9 copies of the second draft and 14 copies (one of these copies shall be microfiche) as specified by AFCEE/ESR.

i. One first draft (10 copies), one second draft (10 copies), and one final (15 copies) are required. Incorporate Air Force comments as directed by AFCEE/ESR to produce the second draft and final plans. Supply AFCEE/ESR with an advance copy of the first draft, second draft, and final plans for acceptance. Distribute the remaining copies of the plans.

j. Provide within one week of task/meeting completion.

k. Provide written notice with supporting documentation, e.g., lab results, field data, etc. within three days of telephone notification and at the direction of the Air Force COR or PM. Assume a maximum of one hundred (100) pages.

l. Provide the Literature search ITIR upon completion of the literature search and not later than 30 days after receipt of the NTP.

m. A draft (5 copies and a final (5 copies) of each decision document is required. Supply AFCEE/ESR with one (1) advance copy of each draft and final decision document for acceptance

prior to distribution. Incorporate Air Force comments into the final decision document as specified by AFCEE/ESR. Distribute the remaining four (4) copies of the draft and four (4) copies of the final decision documents. (One of these copies shall be microfiche as specified by AFCEE/ESR.)

n. Submit with documents as required.

o. Submit ITIRS within 30 days after completion of work for that particular ITIR.

p. Prepare prior to each meeting as required.

TABLE A-1
Estimated and Funded Field Work
Stage 2B, Appendix II and STAGE 2C, APPENDIX III

	STAGE 2B, APPENDIX II				STAGE 2C, APPENDIX III						STAGE 2D, APPENDIX IV		
	ESTIMATED	FUNDED	FUNDED	FUNDED	ESTIMATED	FUNDED	FUNDED	FUNDED	FUNDED	FUNDED	ESTIMATED	FUNDED	FUNDED
Soil/Sediment Analyses	TOTAL	MOD 1	MOD 3	TOTAL	TOTAL	MOD-0	MOD-1	MOD-3	MOD-4	TOTAL	TOTAL	MOD-4	TOTAL
VOC SW5030/SW8240	661	321	340	661	658	98	0	75	*11*	*184*	*137*	*137*	*137*
SVOC SW3550/SW8270	661	321	340	661	809	120	0	38	*11*	*169*	*108*	*108*	*10*
METALS SW3550/SW6010	661	321	340	661	770	245	0	43	*45*	*333*	*137*	*137*	*137*
Sb SW3550/SW7041	0	0	0	0	542	77	0	77	*45*	*199*	*0*	*0*	*0*
As SW3050/SW7060	0	0	0	0	526	77	0	77	*45*	*199*	*0*	*0*	*0*
Cr SW3050/SW7191	0	0	0	0	526	77	0	77	*45*	*199*	*0*	*0*	*0*
Pb SW3050/SW7421	0	0	0	0	870	175	0	77	*45*	*297*	*29*	*29*	*29*
Hg SW7471	661	321	340	661	772	115	0	77	*45*	*237*	*108*	*108*	*108*
Se SW3050/SW7440	0	0	0	0	526	77	0	77	*45*	*199*	*0*	*0*	*0*
Ti SW3050/SW7841	0	0	0	0	84	77	0	7	*0*	*84*	*0*	*0*	*0*
TPH E418.1	661	321	340	661	56	61	0	0	*0*	*61*	*108*	*108*	*108*
TPH SW8015(MOD)	0	0	0	0	656	92	0	0	*45*	*137*	*0*	*0*	*0*
SOIL MOIST ASTM 2216	661	321	340	661	826	86	0	62	*3*	*151*	*108*	*108*	*108*
SOIL pH SW9045	0	0	0	0	56	0	0	35	*0*	*35*	*137*	*137*	*137*
RADIOLOGY SW9310	0	0	0	0	56	11	0	0	*0*	*11*	*77*	*77*	*77*
RADIOLOGY SW9315	0	0	0	0	56	11	0	0	*0*	*11*	*62*	*62*	*62*
RADIOLOGY SW9320	0	0	0	0	56	11	0	0	*0*	*11*	*0*	*0*	*0*
SW3550/SW8080	0	0	0	0	41	11	0	0	*2*	*13*	*0*	*0*	
SW3550/SW8140	0	0	0	0	0	10	0	0	*0*	*10*	*0*	*0*	
SW3550/SW8150	0	0	0	0	2	0	0	2	*2*	*4*	*0*	*0*	*0*
SULFATE E375.4	0	0	0	0	20	0	0	0	*0*	*0*	*0*	*0*	*0*
NITRATE E353.2	0	0	0	0	10	10	0	0	*0*	*10*	*0*	*0*	*0*
AVO SW5030/SW8020	0	0	0	0	41	12	0	2	*0*	*14*	*48*	*48*	*48*
PAH SW3550/SW8310	0	0	0	0	176	18	0	8	*0*	*26*	*108*	*108*	*108*
Cn SW9010A	0	0	0	0	0	0	0	0	*0*	*0*	*60*	*60*	*60*
TCLP METALS SW1311	19	18	1	19	0	0	0	0	*0*	*0*	*0*	*0*	*0*
IGNITABILITY SW1010	19	18	1	19	0	0	0	0	*0*	*0*	*0*	*0*	*0*

Annex A, Table A-1 Notes:

a Unless an abbreviated list of analytes is specified under "Parameter" above, the analytical protocol shall include all analytes listed in the referenced analytical method. The methods cited are from the following sources:

"A" Methods Standard Methods for the Examination of Water and Wastewater, 16th Edition (1985)

"E" Methods Methods for Chemical Analysis of Water and Wastes, EPA Manual, 600/4-79-020 (USEPA, 1983--with additions)

"SW" methods Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition (USEPA, 1986)

"ASTM" Methods American Society for Testing and Materials, 1919 Race Street, Philadelphia, PA 19103

b If the number of samples requiring second column confirmation exceeds this allowance, contact the Technical Project Manager. The total number of samples listed in Annex A includes the allowance applicable to each GC method. If GC/MS, or a combination of second column GC and GC/MS, is used, the total cost of all such analyses for a particular parameter shall not exceed the funding allowed for positive confirmation using only second column GC.

c The sample shall be filtered in the field through a 0.45 mm filter immediately (within 5 min) after sample collection and before sample preservation.

d For furnace analyses, modify the SW3005 digestion procedure by substituting 5 mL concentrated nitric acid for the 5 mL concentrated hydrochloric acid specified by the method (a total of 7 mL nitric acid will be added).

ANNEX A, TABLE A-2
APPROXIMATE NUMBER OF SOIL SAMPLES BY SITE
STAGE 2B, APPENDIX II

SITE NUMBER	ST-201	ST-202	ST-203	ST-204	ST-205	ST-206	ST-207	ST-208	ST-209	ST-210	TOTAL
Soil/Sediment Analyses											
VOC SW5030/SW8240	10	6	8	8	4	10	8	4	8	10	76
SVOC SW3550/SW8270	10	6	8	8	4	10	8	4	8	10	76
METALS SW3550/SW6010	10	6	8	8	4	10	8	4	8	10	76
Sb SW3550/SW7041											0
As SW3050/SW7060											0
Cr SW3050/SW7191											0
Pb SW3050/SW7421											0
Hg SW7471	10	6	8	8	4	10	8	4	8	10	76
Se SW3050/SW7440											0
Ti SW3050/SW7841											0
TPH E418.1											0
TPH SW8015(MOD)	10	6	8	8	4	10	8	4	8	10	76
SOIL MOIST ASTM 2216	10	6	8	8	4	10	8	4	8	10	76
RADIOLOGY SW9310											0
RADIOLOGY SW9315											0
RADIOLOGY SW 9320											0
SW3550/SW8080											0
SW3550/SW8140											0
SW3550/SW8150											0
SULFATE E375.4											0
NITRATE E353.2											0
AVO SW5030/SW8020											0
PAH SW3550/SW8310											0
Cn SW9010A											0
SOIL Ph SW9045	10	6	8	8	4	10	8	4	8	10	76
TCLP METALS SW1311											0
IGNITABILITY SW1010											0
TYPE	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	

ANNEX A, TABLE A-2
APPROXIMATE NUMBER OF SOIL SAMPLES BY SITE
STAGE 2B, APPENDIX II

SITE NUMBER	ST-211	ST-212	ST-213	ST-214	ST-215	ST-216	ST-217	ST-218	ST-219	ST-220	TOTAL
Soil/Sediment Analyses											
VOC SW5030/SW8240	10	6	6	10	8	8	8	8	10	8	82
SVOC SW3550/SW8270	10	6	6	10	8	8	8	8	10	8	82
METALS SW3550/SW6010	10	6	6	10	8	8	8	8	10	8	82
Sb SW3550/SW7041											0
As SW3050/SW7060											0
Cr SW3050/SW7191											0
Pb SW3050/SW7421											0
Hg SW7471	10	6	6	10	8	8	8	8	10	8	82
Se SW3050/SW7440											0
Ti SW3050/SW7841											0
TPH E418.1											0
TPH SW8015(MOD)	10	6	6	10	8	8	8	8	10	8	82
SOIL MOIST ASTM 2216	10	6	6	10	8	8	8	8	10	8	82
RADIOLOGY SW9310											0
RADIOLOGY SW9315											0
RADIOLOGY SW9320											0
SW3550/SW8080											0
SW3550/SW8140											0
SW3550/SW8150											0
SULFATE E375.4											0
NITRATE E353.2											0
AVO SW5030/SW8020											0
PAH SW3550/SW8310											0
Cn SW9010A											0
SOIL Ph SW9045	10	6	6	10	8	8	8	8	10	8	82
TCLP METALS SW1311					8				8		16
IGNITABILITY SW1010					8				8		16
TYPE	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	

ANNEX A, TABLE A-2
APPROXIMATE NUMBER OF SOIL SAMPLES BY SITE
STAGE 2B, APPENDIX II

SITE NUMBER	ST-221	ST-222	ST-223	ST-224	ST-225	ST-226	ST-227	ST-228	ST-229	ST-230	TOTAL
Soil/Sediment Analyses											
VOC SW5030/SW8240	18	4	4	4	6	10	8	4	8	4	70
SVOC SW3550/SW8270	18	4	4	4	6	10	8	4	8	4	70
METALS SW3550/SW6010	18	4	4	4	6	10	8	4	8	4	70
Sb SW3550/SW7041											0
As SW3050/SW7060											0
Cr SW3050/SW7191											0
Pb SW3050/SW7421											0
Hg SW7471	18	4	4	4	6	10	8	4	8	4	70
Se SW3050/SW7440											0
Ti SW3050/SW7841											0
TPH E418.1											0
TPH SW8015(MOD)	18	4	4	4	6	10	8	4	8	4	70
SOIL MOIST ASTM 2216	18	4	4	4	6	10	8	4	8	4	70
RADIOLOGY SW9310											0
RADIOLOGY SW9315											0
RADIOLOGY SW9320											0
SW3550/SW8080											0
SW3550/SW8140											0
SW3550/SW8150											0
SULFATE E375.4											0
NITRATE E353.2											0
AVO SW5030/SW8020											0
PAH SW3550/SW8310											0
Cn SW9010A											0
SOIL Ph SW 9045	18	4	4	4	6	10	8	4	8	4	70
TCLP METALS SW1311											0
IGNITABILITY SW1010											0
TYPE	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	

ANNEX A, TABLE A-2
APPROXIMATE NUMBER OF SOIL SAMPLES BY SITE
STAGE 2B, APPENDIX II

SITE NUMBER	ST-231	ST-232	ST-233	ST-234	ST-235	ST-236	ST-237	ST-238	ST-239	ST-240	TOTAL
Soil/Sediment Analyses											
VOC SW5030/SW8240	8	10	1	10	6	4	4	10	4	8	65
SVOC SW3550/SW8270	8	10	1	10	6	4	4	10	4	8	65
METALS SW3550/SW6010	8	10	1	10	6	4	4	10	4	8	65
Sb SW3550/SW7041											0
As SW3050/SW7060											0
Cr SW3050/SW7191											0
Pb SW3050/SW7421											0
Hg SW7471	8	10	1	10	6	4	4	10	4	8	65
Se SW3050/SW7440											0
Ti SW3050/SW7841											0
TPH E418.1											0
TPH SW8015(MOD)	8	10	1	10	6	4	4	10	4	8	65
SOIL MOIST ASTM 2216	8	10	1	10	6	4	4	10	4	8	65
RADIOLOGY SW9310											0
RADIOLOGY SW9315											0
RADIOLOGY SW9320											0
SW3550/SW8080											0
SW3550/SW8140											0
SW3550/SW8150											0
SULFATE E375.4											0
NITRATE E353.2											0
AVO SW5030/SW8020											0
PAH SW3550/SW8310											0
Cn SW9010A											0
SOIL Ph SW9045	8	10	1	10	6	4	4	10	4	8	65
TCLP METALS SW1311											0
IGNITABILITY SW1010											0
TYPE	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	

ANNEX A, TABLE A-2
APPROXIMATE NUMBER OF SOIL SAMPLES BY SITE
STAGE 2B, APPENDIX II

Soil/Sediment Analyses	ST-241	ST-242	ST-243	ST-244	ST-245	ST-246	ST-247	ST-248	ST-249	ST-250	TOTAL
SITE NUMBER											
VOC SW5030/SW8240	6	8	10	8	6	18	8	10	8	8	90
SVOC SW3550/SW8270	6	8	10	8	6	18	8	10	8	8	90
METALS SW3550/SW6010	6	8	10	8	6	18	8	10	8	8	90
Sb SW3550/SW7041											0
As SW3050/SW7060											0
Cr SW3050/SW7191											0
Pb SW3050/SW7421											0
Hg SW7471	6	8	10	8	6	18	8	10	8	8	90
Se SW3050/SW7440											0
Ti SW3050/SW7841											0
TPH E418.1											0
TPH SW8015(MOD)	6	8	10	8	6	18	8	10	8	8	90
SOIL MOIST ASTM 2216	6	8	10	8	6	18	8	10	8	8	90
RADIOLOGY SW9310											0
RADIOLOGY SW9315											0
RADIOLOGY SW9320											0
SW3550/SW8080											0
SW3550/SW8140											0
SW3550/SW8150											0
SULFATE E375.4											0
NITRATE E353.2											0
AVO SW5030/SW8020											0
PAH SW3550/SW8310											0
Cn SW9010A											0
SOIL Ph SW9045	6	8	10	8	6	18	8	10	8	8	90
TCLP METALS SW1311											0
IGNITABILITY SW1010											0
TYPE	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	

ANNEX A, TABLE A-2
APPROXIMATE NUMBER OF SOIL SAMPLES BY SITE
STAGE 2B, APPENDIX II

SITE NUMBER	ST-251	ST-252	ST-253	ST-254	ST-255	ST-256	ST-257	ST-258	ST-259	ST-260	TOTAL
Soil/Sediment Analyses											
VOC SW5030/SW8240	8	10	8	10	8	8	8	8	8	10	86
SVOC SW3550/SW8270	8	10	8	10	8	8	8	8	8	10	86
METALS SW3550/SW6010	8	10	8	10	8	8	8	8	8	10	86
Sb SW3550/SW7041											0
As SW3050/SW7060											0
Cr SW3050/SW7191											0
Pb SW3050/SW7421											0
Hg SW7471	8	10	8	10	8	8	8	8	8	10	86
Se SW3050/SW7440											0
Ti SW3050/SW7841											0
TPH E418.1											0
TPH SW8015(MOD)	8	10	8	10	8	8	8	8	8	10	86
SOIL MOIST ASTM 2216	8	10	8	10	8	8	8	8	8	10	86
RADIOLOGY SW9310											0
RADIOLOGY SW9315											0
RADIOLOGY SW9320											0
SW3550/SW8080											0
SW3550/SW8140											0
SW3550/SW8150											0
SULFATE E375.4											0
NITRATE E353.2											0
AVO SW5030/SW8020											0
PAH SW3550/SW8310											0
Cn SW9010A											0
SOIL Ph SW9045	8	10	8	10	8	8	8	8	8	10	86
TCLP METALS SW1311											0
IGNITABILITY SW1010											0
TYPE	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	

ANNEX A, TABLE A-2
APPROXIMATE NUMBER OF SOIL SAMPLES BY SITE
STAGE 2B, APPENDIX II

SITE NUMBER	ST-261	ST-262	ST-263	ST-264	ST-265	ST-266	ST-267	ST-326	TOTAL	QA/QC	GRAND
Soil/Sediment Analyses									ALL	20%	TOTAL
VOC SW5030/SW8240	8	10	18	10	10	10	8	8	551	110	661
SVOC SW3550/SW8270	8	10	18	10	10	10	8	8	551	110	661
METALS SW3550/SW6010	8	10	18	10	10	10	8	8	551	110	661
Sb SW3550/SW7041									0	0	0
As SW3050/SW7060									0	0	0
Cr SW3050/SW7191									0	0	0
Pb SW3050/SW7421									0	0	0
Hg SW7471	8	10	18	10	10	10	8	8	551	110	661
Se SW3050/SW7440									0	0	0
Ti SW3050/SW7841									0	0	0
TPH E418.1									0	0	0
TPH SW8015(MOD)	8	10	18	10	10	10	8	8	551	110	661
SOIL MOIST ASTM 2216	8	10	18	10	10	10	8	8	551	110	661
RADIOLOGY SW9310									0	0	0
RADIOLOGY SW9315									0	0	0
RADIOLOGY SW9320									0	0	0
SW3550/SW8080									0	0	0
SW3550/SW8140									0	0	0
SW3550/SW8150									0	0	0
SULFATE E375.4									0	0	0
NITRATE E353.2									0	0	0
AVO SW5030/SW8020									0	0	0
PAH SW3550/SW8310									0	0	0
Cn SW9010A									0	0	0
SOIL Ph SW 9045	8	10	18	10	10	10	8	8	551	110	661
TCLP METALS SW1311									16	3	19
IGNITABILITY									16	3	19
TYPE	EC	EC	EC	EC	EC	EC	EC	EC	3889	778	4667

ANNEX A, TABLE A-2
APPROXIMATE NUMBER OF SOIL SAMPLES BY SITE
STAGE 2C, APPENDIX III

SITE NUMBER	WP-38	WP-47	ST-51	FT-52	ST-200	ST-201	ST-202	ST-203	ST-204	ST-205	TOTAL
Soil/Sediment Analyses											
VOC SW5030/SW8240	2	1	8			2	3	4	4	4	28
SVOC SW3550/SW8270	2	1	8		15	2	3	4	4	4	43
METALS SW3550/SW6010	2	1	8	34	15	2	3	4	4	4	77
Sb SW3550/SW7041	2	1	8	34	15	2	3	4	4	4	77
As SW3050/SW7060	2	1	8	34	15	2	3	4	4	4	77
Cr SW3050/SW7191	2	1	8	34	15	2	3	4	4	4	77
Pb SW3050/SW7421	2	1	8	34	15	2	3	4	4	4	77
Hg SW7471	2	1	8	34	15	2	3	4	4	4	77
Se SW3050/SW7440	2	1	8	34	15	2	3	4	4	4	77
Ti SW3050/SW7841											0
TPH E418.1											0
TPH SW8015(MOD)	2	1	8	34		2	3	4	4	4	62
SOIL MOIST ASTM D2216	2	1			15	2	3	4	4	4	35
SOIL pH SW9045											0
RADIOLOGY SW9310											0
RADIOLOGY SW9315											0
RADIOLOGY SW9320											0
SW3550/SW8080	2				15						17
SW3550/SW8140											0
SW3550/SW8150	2										2
SULFATE E375.4											0
NITRATE E353.2			8								8
AVO SW5030/SW8020				34							34
PAH SW3550/SW8310				34							34
Cn SW9010A											0
TYPE	DERA	DERA	DERA	DERA	EC	EC	EC	EC	EC	EC	

ANNEX A, TABLE A-2
APPROXIMATE NUMBER OF SOIL SAMPLES BY SITE
STAGE 2C, APPENDIX III

SITE NUMBER	ST-206	ST-207	ST-208	ST-209	ST-210	ST-211	ST-212	ST-213	ST-215	ST-216	TOTAL
Soil/Sediment Analyses											
VOC SW5030/SW8240	3	2	3	2	6	2	4				22
SVOC SW3550/SW8270	3	2	3	2	6	2	4				22
METALS SW3550/SW6010	3	2	3	2	6	2	4				22
Sb SW3550/SW7041	3	2	3	2	6	2	4				22
As SW3050/SW7060	3	2	3	2	6	2	4				22
Cr SW3050/SW7191	3	2	3	2	6	2	4				22
Pb SW3050/SW7421	3	2	3	2	6	2	4				22
Hg SW7471	3	2	3	2	6	2	4				22
Se SW3050/SW7440	3	2	3	2	6	2	4				22
Ti SW3050/SW7841											0
TPH E418.1											0
TPH SW8015(MOD)	3	2	3	2	6	2	4				22
SOIL MOIST ASTM 2216	3	2	3	2	6	2	4				22
SOIL pH SW9045											0
RADIOLOGY SW9310											0
RADIOLOGY SW9315											0
RADIOLOGY SW9320											0
SW3550/SW8080											0
SW3550/SW8140											0
SW3550/SW8150											0
SULFATE E375.4											0
NITRATE E353.2											0
AVO SW5030/SW8020											0
PAH SW3550/SW8310											0
Cn SW9010A											0
TYPE	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	

ANNEX A, TABLE A-2
APPROXIMATE NUMBER OF SOIL SAMPLES BY SITE
STAGE 2C, APPENDIX III

SITE NUMBER	ST-217	ST-218	ST-219	ST-220	ST-221	ST-222	ST-223	ST-224	ST-225	ST-226	TOTAL
Soil/Sediment Analyses											
VOC SW5030/SW8240	3	3	2	3	7	1	8			3	30
SVOC SW3550/SW8270	3	3	2	3	7	1	8			3	30
METALS SW3550/SW6010	3	3	2	3	7	1	8			3	30
Sb SW3550/SW7041	3	3	2	3	7	1	8			3	30
As SW3050/SW7060	3	3	2	3	7	1	8			3	30
Cr SW3050/SW7191	3	3	2	3	7	1	8			3	30
Pb SW3050/SW7421	3	3	2	3	7	1	8			3	30
Hg SW7471	3	3	2	3	7	1	8			3	30
Se SW3050/SW7440	3	3	2	3	7	1	8			3	30
Ti SW3050/SW7841											0
TPH E418.1											0
TPH SW8015(MOD)	3	3	2	3	7	1	8			3	30
SOIL MOIST ASTM 2216	3	3	2	3	7	1	8			3	30
SOIL pH SW9045											0
RADIOLOGY SW9310											0
RADIOLOGY SW9315											0
RADIOLOGY SW9320											0
SW3550/SW8080											0
SW3550/SW8140											0
SW3550/SW8150											0
SULFATE E375.4											0
NITRATE E353.2											0
AVO SW5030/SW8020											0
PAH SW3550/SW8310											0
Cn SW9010A											0
TYPE	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	

ANNEX A, TABLE A-2
APPROXIMATE NUMBER OF SOIL SAMPLES BY SITE
STAGE 2C, APPENDIX III

SITE NUMBER	ST-227	ST-228	ST-229	ST-230	ST-231	ST-232	ST-233	ST-234	ST-235	ST-236	TOTAL
Soil/Sediment Analyses											
VOC SW5030/SW8240		2	6	2		3		3	3	3	22
SVOC SW3550/SW8270		2	6	2		3		3	3	3	22
METALS SW3550/SW6010		2	6	2		3		3	3	3	22
Sb SW3550/SW7041		2	6	2		3		3	3	3	22
As SW3050/SW7060		2	6	2		3		3	3	3	22
Cr SW3050/SW7191		2	6	2		3		3	3	3	22
Pb SW3050/SW7421		2	6	2		3		3	3	3	22
Hg SW7471		2	6	2		3		3	3	3	22
Se SW3050/SW7440		2	6	2		3		3	3	3	22
Ti SW3050/SW7841											0
TPH E418.1											0
TPH SW8015(MOD)		2	6	2		3		3	3	3	22
SOIL MOIST ASTM 2216		2	6	2		3		3	3	3	22
SOIL pH SW9045											0
RADIOLOGY SW9310											0
RADIOLOGY SW9315											0
RADIOLOGY SW9320											0
SW3550/SW8080											0
SW3550/SW8140											0
SW3550/SW8150											0
SULFATE E375.4											0
NITRATE E353.2											0
AVO SW5030/SW8020											0
PAH SW3550/SW8310											0
Cn SW9010A											0
TYPE	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	

ANNEX A, TABLE A-2
APPROXIMATE NUMBER OF SOIL SAMPLES BY SITE
STAGE 2C, APPENDIX III

Soil/Sediment Analyses	ST-237	ST-238	ST-239	ST-240	ST-241	SY-242	ST-243	ST-244	ST-245	ST-245	TOTAL
SITE NUMBER											
VOC SW5030/SW8240					4	2	2	2		4	14
SVOC SW3550/SW8270					4	2	2	2		4	14
METALS SW3550/SW6010					4	2	2	2		4	14
Sb SW3550/SW7041					4	2	2	2		4	14
As SW3050/SW7060					4	2	2	2		4	14
Cr SW3050/SW7191					4	2	2	2		4	14
Pb SW3050/SW7421					4	2	2	2		4	14
Hg SW7471					4	2	2	2		4	14
Se SW3050/SW7440					4	2	2	2		4	14
Ti SW3050/SW7841											0
TPH E418.1											0
TPH SW8015(MOD)					4	2	2	2		4	14
SOIL MOIST ASTM 2216					4	2	2	2		4	14
SOIL pH SW9045											0
RADIOLOGY SW9310											0
RADIOLOGY SW9315											0
RADIOLOGY SW9320											0
SW3550/SW8080											0
SW3550/SW8140											0
SW3550/SW8150											0
SULFATE E375.4											0
NITRATE E353.2											0
AVO SW5030/SW8020											0
PAH SW3550/SW8310											0
Cn SW9010A											0
TYPE	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	

ANNEX A, TABLE A-2
APPROXIMATE NUMBER OF SOIL SAMPLES BY SITE
STAGE 2C, APPENDIX III

SITE NUMBER	ST-247	ST-248	ST-250	ST-251	ST-252	ST-253	ST-254	ST-255	ST-256	ST-257	TOTAL
Soil/Sediment Analyses											
VOC SW5030/SW8240	2	3	3	3	1	1	1	1	1	1	17
SVOC SW3550/SW8270	2	3	3	3	1	1	1	1	1	1	17
METALS SW3550/SW6010	2	3	3	3	1	1	1	1	1	1	17
Sb SW3550/SW7041	2	3	3	3	1	1	1	1	1	1	17
As SW3050/SW7060	2	3	3	3	1	1	1	1	1	1	17
Cr SW3050/SW7191	2	3	3	3	1	1	1	1	1	1	17
Pb SW3050/SW7421	2	3	3	3	1	1	1	1	1	1	17
Hg SW7471	2	3	3	3	1	1	1	1	1	1	17
Se SW3050/SW7440	2	3	3	3	1	1	1	1	1	1	17
Ti SW3050/SW7841											0
TPH E418.1											0
TPH SW8015(MOD)	2	3	3	3	1	1	1	1	1	1	17
SOIL MOIST ASTM 2216	2	3	3	3	1	1	1	1	1	1	17
SOIL pH SW9045											0
RADIOLOGY SW9310											0
RADIOLOGY SW9315											0
RADIOLOGY SW9320											0
SW3550/SW8080											0
SW3550/SW8140											0
SW3550/SW8150											0
SULFATE E375.4											0
NITRATE E353.2											0
AVO SW5030/SW8020											0
PAH SW3550/SW8310											0
Cn SW9010A											0
TYPE	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	

ANNEX A, TABLE A-2
APPROXIMATE NUMBER OF SOIL SAMPLES BY SITE
STAGE 2C, APPENDIX III

SITE NUMBER	ST-258	ST-259	ST-260	ST-261	ST-262	ST-263	ST-264	ST-265	ST-266	ST-267	TOTAL
Soil/Sediment Analyses											
VOC SW5030/SW8240	1			2	3	2	2	2	2	3	17
SVOC SW3550/SW8270	1			2	3	2	2	2	2	3	17
METALS SW3550/SW6010	1			2	3	2	2	2	2	3	17
Sb SW3550/SW7041	1			2	3	2	2	2	2	3	17
As SW3050/SW7060	1			2	3	2	2	2	2	3	17
Cr SW3050/SW7191	1			2	3	2	2	2	2	3	17
Pb SW3050/SW7421	1			2	3	2	2	2	2	3	17
Hg SW7471	1			2	3	2	2	2	2	3	17
Se SW3050/SW7440	1			2	3	2	2	2	2	3	17
Ti SW3050/SW7841											0
TPH E418.1											0
TPH SW8015(MOD)	1			2	3	2	2	2	2	3	17
SOIL MOIST ASTM 2216	1			2	3	2	2	2	2	3	17
SOIL pH SW9045											0
RADIOLOGY SW9310											0
RADIOLOGY SW9315											0
RADIOLOGY SW9320											0
SW3550/SW8080											0
SW3550/SW8140											0
SW3550/SW8150											0
SULFATE E375.4											0
NITRATE E353.2											0
AVO SW5030/SW8020											0
PAH SW3550/SW8310											0
Cn SW9010A											0
TYPE	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	

ANNEX A, TABLE A-2
APPROXIMATE NUMBER OF SOIL SAMPLES BY SITE
STAGE 2C, APPENDIX III

SITE NUMBER	ST-274	ST-275	ST-276	ST-277	ST-278	ST-279	ST-280	ST-281	ST-282	ST-283	TOTAL
Soil/Sediment Analyses											
VOC SW5030/SW8240			47		21			5	8	9	81
SVOC SW3550/SW8270			47	17	21			5	8	9	98
METALS SW3550/SW6010	2	2		17	21			5	8	9	55
Sb SW3550/SW7041				17	21			5	8	9	51
As SW3050/SW7060				17	21			5	8	9	51
Cr SW3050/SW7191				17	21			5	8	9	51
Pb SW3050/SW7421	17	11		17	21			5	8	9	79
Hg SW7471	17	11		17	21			5	8	9	79
Se SW3050/SW7440				17	21			5	8	9	51
Ti SW3050/SW7841				17							17
TPH E418.1			47								47
TPH SW8015(MOD)		13	47	17	21			5	8	9	111
SOIL MOIST ASTM 2216			47	17	21			5	8	9	98
SOIL pH SW9045			47								47
RADIOLOGY SW9310			47								47
RADIOLOGY SW9315			47								47
RADIOLOGY SW9320			47								47
SW3550/SW8080				17							17
SW3550/SW8140											0
SW3550/SW8150											0
SULFATE E375.4				17							17
NITRATE E353.2											0
AVO SW5030/SW8020											0
PAH SW3550/SW8310											0
Cn SW9010A											0
TYPE	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	

ANNEX A, TABLE A-2
APPROXIMATE NUMBER OF SOIL SAMPLES BY SITE
STAGE 2C, APPENDIX III

SITE NUMBER	ST-284	ST-285	ST-286	ST-287	ST-288	ST-289	ST-290	ST-291	ST-292	ST-293	TOTAL
Soil/Sediment Analyses											
VOC SW5030/SW8240	5	4	4	3	3	3	3	3	3	2	31
SVOC SW3550/SW8270	5	4	4	3	3	3	3	3	3	2	31
METALS SW3550/SW6010	5	4	4	3	3	3	3	3	3	2	31
Sb SW3550/SW7041	5	4	4	3	3	3	3	3	3	2	31
As SW3050/SW7060	5	4	4	3	3	3	3	3	3	2	31
Cr SW3050/SW7191	5	4	4	3	3	3	3	3	3	2	31
Pb SW3050/SW7421	5	4	4	3	3	3	3	3	3	2	31
Hg SW7471	5	4	4	3	3	3	3	3	3	2	31
Se SW3050/SW7440	5	4	4	3	3	3	3	3	3	2	31
Ti SW3050/SW7841											0
TPH E418.1											0
TPH SW8015(MOD)	5	4	4	3	3	3	3	3	3	2	31
SOIL MOIST ASTM 2216	5	4	4	3	3	3	3	3	3	2	31
SOIL pH SW9045											0
RADIOLOGY SW9310											0
RADIOLOGY SW9315											0
RADIOLOGY SW9320											0
SW3550/SW8080											0
SW3550/SW8140											0
SW3550/SW8150											0
SULFATE E375.4											0
NITRATE E353.2											0
AVO SW5030/SW8020											0
PAH SW3550/SW8310											0
Cn SW9010A											0
TYPE	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	

ANNEX A, TABLE A-2
APPROXIMATE NUMBER OF SOIL SAMPLES BY SITE
STAGE 2C, APPENDIX III

SITE NUMBER	ST-294	ST-295	ST-296	ST-297	ST-298	ST-299	ST-300	ST-301	ST-302	ST-303	TOTAL
Soil/Sediment Analyses											
VOC SW5030/SW8240	3	3	3	3	3	3	3	3	3	3	27
SVOC SW3550/SW8270	3	3	3	3	3	3	3	3	3	3	27
METALS SW3550/SW6010	3	3	3	3	3	3	3	3	3	3	27
Sb SW3550/SW7041	3	3	3	3	3	3	3	3	3	3	27
As SW3050/SW7060	3	3	3	3	3	3	3	3	3	3	27
Cr SW3050/SW7191	3	3	3	3	3	3	3	3	3	3	27
Pb SW3050/SW7421	3	3	3	3	3	3	3	3	3	3	27
Hg SW7471	3	3	3	3	3	3	3	3	3	3	27
Se SW3050/SW7440	3	3	3	3	3	3	3	3	3	3	27
Ti SW3050/SW7841											0
TPH E418.1											0
TPH SW8015(MOD)	3	3	3	3	3	3	3	3	3	3	27
SOIL MOIST ASTM 2216	3	3	3	3	3	3	3	3	3	3	27
SOIL pH SW9046											0
RADIOLOGY SW9310											0
RADIOLOGY SW9315											0
RADIOLOGY SW9320											0
SW3550/SW8080											0
SW3550/SW8140											0
SW3550/SW8150											0
SULFATE E375 4											0
NITRATE E353 2											0
AVO SW5030/SW8020											0
PAH SW3550/SW8310											0
Cn SW9010A											0
TYPE	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	

ANNEX A, TABLE A-2
APPROXIMATE NUMBER OF SOIL SAMPLES BY SITE
STAGE 2C, APPENDIX III

SITE NUMBER	ST-304	ST-305	ST-306	ST-307	ST-308	ST-309	ST-310	ST-311	ST-312	ST-313	TOTAL
Soil/Sediment Analyses											
VOC SW5030/SW8240	3	3		3	3	3	3	3	2	3	23
SVOC SW3550/SW8270	3	3		3	3	3	3	3	2	3	23
METALS SW3550/SW6010	3	3		3	3	3	3	3	2	3	23
Sb SW3550/SW7041	3	3		3	3	3	3	3	2	3	23
As SW3050/SW7060	3	3		3	3	3	3	3	2	3	23
Cr SW3050/SW7191	3	3		3	3	3	3	3	2	3	23
Pb SW3050/SW7421	3	3		3	3	3	3	3	2	3	23
Hg SW7471	3	3		3	3	3	3	3	2	3	23
Se SW3050/SW7440	3	3		3	3	3	3	3	2	3	23
Ti SW3050/SW7841											0
TPH E418.1											0
TPH SW8015(MOD)	3	3		3	3	3	3	3	2	3	23
SOIL MOIST ASTM 2216	3	3		3	3	3	3	3	2	3	23
SOIL pH SW9045											0
RADIOLOGY SW9310											0
RADIOLOGY SW9315											0
RADIOLOGY SW9320											0
SW3550/SW8080											0
SW3550/SW8140											0
SW3550/SW8150											0
SULFATE E375.4											0
NITRATE E353.2											0
AVO SW5030/SW8020											0
PAH SW3550/SW8310											0
Cn SW9010A											0
TYPE	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	

ANNEX A, TABLE A-2
APPROXIMATE NUMBER OF SOIL SAMPLES BY SITE
STAGE 2C, APPENDIX III

Soil/Sediment Analyses	ST-314	ST-315	ST-316	ST-317	ST-318	ST-319	ST-320	ST-321	ST-322	ST-323	TOTAL
SITE NUMBER											
VOC SW5030/SW8240	3	2	3	3	3	3	3		3	3	23
SVOC SW3550/SW8270	3	2	3	3	3	3	3	25	3	3	48
METALS SW3550/SW6010	3	2	3	3	3	3	3	2	3	3	25
Sb SW3550/SW7041	3	2	3	3	3	3	3		3	3	23
As SW3050/SW7060	3	2	3	3	3	3	3		3	3	23
Cr SW3050/SW7191	3	2	3	3	3	3	3		3	3	23
Pb SW3050/SW7421	3	2	3	3	3	3	3	25	3	3	48
Hg SW7471	3	2	3	3	3	3	3	25	3	3	48
Se SW3050/SW7440	3	2	3	3	3	3	3		3	3	23
Ti SW3050/SW7841											0
TPH E418.1											0
TPH SW8015(MOD)	3	2	3	3	3	3	3		3	3	23
SOIL MOIST ASTM 2216	3	2	3	3	3	3	3	25	3	3	48
SOIL pH SW9045											0
RADIOLOGY SW9310											0
RADIOLOGY SW9315											0
RADIOLOGY SW9320											0
SW3550/SW8080											0
SW3550/SW8140											0
SW3550/SW8150											0
SULFATE E375.4											0
NITRATE E353.2											0
AVO SW5030/SW8020											0
PAH SW3550/SW8310											0
Cn SW9010A											0
TYPE	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	

ANNEX A, TABLE A-2
APPROXIMATE NUMBER OF SOIL SAMPLES BY SITE
STAGE 2C, APPENDIX III

SITE NUMBER	ST-324	ST-325	ST-329	ST-330	ST-331	ST-333	ST-335	ST-336	ST-337	ST-338	TOTAL
Soil/Sediment Analyses											
VOC SW5030/SW8240	3	4	3	3	4	3					20
SVOC SW3550/SW8270	3	4	3	3	4	3	23		14	32	89
METALS SW3550/SW6010	3	4	3	3	4	3	23		14	32	89
Sb SW3550/SW7041	3	4	3	3	4	3	23		14		57
As SW3050/SW7060	3	4	3	3	4	3	23				43
Cr SW3050/SW7191	3	4	3	3	4	3	23				43
Pb SW3050/SW7421	3	4	3	3	4	3	23	22		60	125
Hg SW7471	3	4	3	3	4	3	23				43
Se SW3050/SW7440	3	4	3	3	4	3	23				43
Ti SW3050/SW7841							23				23
TPH E418.1											0
TPH SW8015(MOD)	3	4	3	3	4	3	23	22	14	32	111
SOIL MOIST ASTM 2216	3	4	3	3	4	3	23	22	14	32	111
SOIL pH SW9045											0
RADIOLOGY SW9310											0
RADIOLOGY SW9315											0
RADIOLOGY. SW9320											0
SW3550/SW8080											0
SW3550/SW8140											0
SW3550/SW8150											0
SULFATE E375.4											0
NITRATE E353.2											0
AVO SW5030/SW8020											0
PAH SW3550/SW8310										113	113
Cn SW9010A											0
TYPE	EC	EC	EC	EC	EC	EC	EC	EC	EC	EC	910

ANNEX A, TABLE A-2
APPROXIMATE NUMBER OF SOIL SAMPLES BY SITE
STAGE 2C, APPENDIX III

SITE NUMBER	ST-339	ST-340	ST-341	MAMZSS				TOTAL	TOTAL	QA/QC	GRAND
Soil/Sediment Analyses								PAGE	ALL	20%	TOTAL
VOC SW5030/SW8240	152	3	30	8				193	548	110	658
SVOC SW3550/SW8270	152	3	30	8				193	674	135	809
METALS SW3550/SW6010	152	3	30	8				193	642	128	770
Sb SW3550/SW7041		3	30	8				41	452	90	542
As SW3050/SW7060		3	30	8				41	438	88	526
Cr SW3050/SW7191		3	30	8				41	438	88	526
Pb SW3050/SW7421	152	3	30	8				193	725	145	870
Hg SW7471	152	3	30	8				193	643	129	772
Se SW3050/SW7440		3	30	8				41	438	88	526
Ti SW3050/SW7841			30					30	70	14	84
TPH E418.1								0	47	9	56
TPH SW8015(MOD)		3	26	8				37	547	109	656
SOIL MOIST ASTM 2216	152	3	30	8				193	688	138	826
SOIL pH SW9045								0	47	9	56
RADIOLOGY SW9310								0	47	9	56
RADIOLOGY SW9315								0	47	9	56
RADIOLOGY SW9320								0	47	9	56
SW3550/SW8080								0	34	7	41
SW3550/SW8140								0	0	0	0
SW3550/SW8150								0	2	0	2
SULFATE E375.4								0	17	3	20
NITRATE E353.2								0	8	2	10
AVO SW5030/SW8020								0	34	7	41
PAH SW3550/SW8310								0	147	29	176
Cn SW9010A								0	0	0	0
TYPE	EC	EC	EC	EC	SC				6780	1356	8136

ANNEX A, TABLE A-3
APPROXIMATE NUMBER OF SOIL SAMPLES BY SITE
STAGE 2D, APPENDIX IV

SITE NUMBER	RW-04	RW-05	RW-06	RW-17	RW-19	RW-21	RW-23		TOTAL	QA/QC	GRAND
Soil/Sediment Analyses										20%	TOTAL
VOC SW5030/SW8241	12	12	50	12	12	40	12		114	23	137
SVOC SW3550/SW8271			50			40			90	18	108
METALS SW3550/SW6011	12	12	50	12	12	40	12		114	23	137
Sb SW3550/SW7042									0	0	0
As SW3050/SW7061									0	0	0
Cr SW3050/SW7192									0	0	0
Pb SW3050/SW7422	12	12		12	12		12		24	5	29
Hg SW7472			50			40			90	18	108
Se SW3050/SW7441									0	0	0
Ti SW3050/SW7842									0	0	0
TPH E418.2			50			40			90	18	108
TPH SW8015(MOD)									0	0	0
SOIL MOIST ASTM 2217			50			40			90	18	108
RADIOLOGY SW9325	12	12	50	12	12	40	12		114	23	137
RADIOLOGY SW9330	12	12		12	12	40	12		64	13	77
RADIOLOGY SW9335				12		40	12		52	10	62
SW3550/SW8080									0	0	0
SW3550/SW8140									0	0	0
SW3550/SW8150									0	0	0
SULFATE E375.5									0	0	0
NITRATE E353.3									0	0	0
AVO SW5030/SW8021									0	0	0
PAH SW3550/SW8311						40			40	8	48
Cn SW9010A			50			40			90	18	108
SOIL Ph SW 9045			50						50	10	60
TCLP METALS SW1312									0	0	0
IGNITABILITY									0	0	0
TYPE	DERA	DERA	DERA	DERA	DERA	DERA			1022	204	1226

PROVIDED AS INFORMATION TO CONTRACTOR

Table A-3

RESERVED

PROVIDED AS INFORMATION TO CONTRACTOR

ANNEX A, TABLE A-4

RFI Sites

Stage 2B, Appendix II

Stage 2C, Appendix III
&
Stage 2D, Appendix IV

Stage 2B, Appendix II Sites

SWMU#	SITE#	Site Description	Bldg.#
10-3	ST-201	O/W Separator	255
10-3	ST-202	Sediment Trap	333/334
10-12	ST-203	O/W Separator	334
10-12	ST-204	O/W Separator	334
10-12	ST-205	Sediment Trap	334
	ST-206	O/W Separatpr	336
10-13	ST-207	O/W Separator	336
10-14	ST-208	O/W Separator	336
10-14	ST-209	Catch Basin	336
10-7	ST-210 Holding Tank	O/W Separator and	377
10-15	ST-211	O/W Separator	381
10-15	ST-212	O/W Separator	381
10-15	ST-213	Area Drain	381
10-7	ST-214	Waste Oil Under-ground Storage Tank	471
10-7	ST-215	O/W Separator	471
10-7	ST-216	O/W Separator	471

Stage 2B, Appendix II Sites (Cont)

SWMU#	SITE#	Site Description	Bldg.#
10-7	ST-217	O/W Separator	481
8-5	ST-218	O/W Separator	482
10-7	ST-219	OW Separator	481/482
10-7	ST-220	Floor Drain	1001
8-13	ST-221	O/W Separator	1001/1002
10-7	ST-222	O/W Separator	1031
10-7	ST-223	Sewage Ejector Unit	1031
10-7	ST-224	Area Drain	1031
10-7	ST-225	Holding Tank	1031
10-7	ST-226	O/W Separator	1037
10-7	ST-227	Holding Tank 1037	
10-7	ST-228	Area Drain	1040
10-7	ST-229	Sewage Ejector Unit	1043
10-7	ST-230	O/W Separator	1046
10-7	ST-231	Holding Tank 1046	
10-7	ST-232	Sewage Ejector Unit	1046
10-7	ST-233	Area Drain	1046
10-18	ST-234	O/W Separator	1051
10-18	ST-235	O/W Separator	1051
10-19	ST-236	O/W Separator	1051
10-19	ST-237	Area Drain	1051
10-7	ST-238	O/W Separator	1058
10-7	ST-239	O/W Separator	1058

Stage 2B, Appendix II Sites (Cont)

SWMU#	SITE#	Site Description	Bldg.#
10-7	ST-240	Holding Tank	1058
10-7	ST-241	O/W Separator	1061
8-26	ST-242	O/W Separator	1063
8-26	ST-243	O/W Separator	1063
10-7	ST-244	O/W Separator	1064
10-7	ST-245	Holding Tank 1064	
10-7	ST-246	O/W Separator and Holding Tank	1070
10-7	ST-247	O/W Separator	2637
10-17	ST-248	O/W Separator	20205
10-17	ST-249	Wast Oil Under-ground Storage Tank	20205
8-28	ST-250	O/W Separator	20338
8-29	ST-251	O/W Separator	20344
8-31	ST-252	O/W Separator	20348
8-31	ST-253	O/W Separator	20348
10-7	ST-254	O/W Separator	20365
8-35	ST-255	O/W Separator	20375
8-35	ST-256	O/W Separator	20375
8-35	ST-257	O/W Separator	20375
8-35	ST-258	O/W Separator	20375
10-7	ST-259	Area Drain	20422
10-7	ST-260	O/W Separator	20422
8-47	ST-261	O/W Separator	20423

Stage 2B, Appendix II Sites (Cont)

SWMU#	SITE#	Site Description	Bldg.#

10-7	ST-262	O/W Separator	20698
10-7	ST-263	O/W Separator	23226
10-9	ST-264	O/W Separator	30142
10-7	ST-265	O/W Separator	30146
10-7	ST-266	Area Drain	57001
10-11	ST-267	O/W Separator	57007

Stage 2C, Appendix III Sites

SWMU #	SITE #	Description
8-58	WP-38	Entomology Shop Drain. Bldg. 20687.
8-6	WP-47	Silver Recovery Unit drains.(4 drains in Bldg. 1000 and hook up to main line.)
6-14	ST-51	Treated Sewage Effluent Transmission Line. Bldg. 702.
	FT-52	Jet Engine Burn Area Near Fire
10-3	ST-200	Waste Oil Tank 215. AFES Service Station
10-3	ST-201	O/W Separator Inflow and outfall lines. Bldg. 255.
10-3	ST-202	Sediment Trap inflow and outflow lines. Bldg. 333/334.
10-12	ST-203	O/W Separator inflow and outflow lines. Bldg. 334
10-12	ST-204	O/W Separator inflow and outflow lines. Bldg. 334.
10-12	ST-205	Sediment Trap inflow and outflow lines. Bldg. 334.

Stage 2C, Appendix III Sites (Cont)

SWMU #	SITE #	Description

10-13	ST-206	O/W Separator inflow and outflow lines. Bldg. 336.
10-13	ST-207	O/W Separator inflow and outflow lines. Bldg. 336.
10-14	ST-208	O/W Separator inflow and outflow lines. Bldg. 336.
10-14	ST-209	Catch Basin inflow and outflow lines. Bldg. 336.
10-7	ST-210	O/W Separator and Holding Tank inflow and outflow lines. Bldg. 377.
10-15	ST-211	O/W Separator inflow and outflow lines. Bldg. 381.
10-15	ST-212	O/W Separator inflow and outflow lines. Bldg. 381.
10-15	ST-213	Area Drain inflow and outflow lines. Bldg. 381.
10-7	ST-215	O/W Separator inflow and outflow lines. Bldg. 471.
10-7	ST-216	O/W Separator inflow and outflow lines. Bldg. 471.
10-7	ST-217	O/W Separator inflow and outflow lines. Bldg. 481.
8-5	ST-218	O/W Separator inflow and outflow lines. Bldg. 482
10-7	ST-219	O/W Separator inflow and outflow lines. Bldgs. 481/482.
10-7	ST-220	Floor Drain all inflow and outflow lines. Bldg. 1001.

Stage 2C, Appendix III Sites (Cont)

SWMU #	SITE #	Description
8-13	ST-221	O/W Separator inflow and outflow

		lines. Bldg. 1001/1002.
10-7	ST-222	O/W Separator inflow and outflow lines. Bldg. 1031.
10-7	ST-223	Sewage Ejector Unit inflow and outflow lines. Bldg. 1031.
10-7	ST-224	Area Drain inflow and outflow lines. Bldg. 1031.
10-7	T-225	Holding Tank inflow and outflow lines. Bldg. 1031.
10-7	ST-226	O/W Separator inflow and outflow lines. Bldg. 1037.
10-7	ST-227	Holding Tank inflow and outflow lines. Bldg. 1037.
10-7	ST-228	Area Drain and inflow outflow lines. Bldg. 1040.
10-7	ST-229	Sewage Ejector Unit inflow and outflow lines. Bldg. 1043.
10-7	ST-230	O/W Separator inflow and outflow lines. Bldg. 1046.
10-7	ST-231	Holding Tank inflow and outflow lines. Bldg. 1046.
10-7	ST-232	Sewage Ejector Unit inflow and outflow lines. Bldg. 1046.
10-7	ST-233	Area Drain inflow and outflow lines. Bldg. 1046.
10-18	ST-234	O/W Separator inflow and outflow lines. Bldg. 1051.
10-18	ST-236	O/W Separator inflow and outflow lines. Bldg. 1051.

Stage 2C, Appendix III Sites

SWMU #	SITE #	Description
10-19	ST-237	Area Drain inflow and outflow lines. Bldg. 1051.

10-7	ST-238	O/W Separator inflow and outflow lines. Bldg. 1058.
10-7	ST-239	O/W Separator inflow and outflow lines. Bldg. 1058.
10-7	ST-240	Holding Tank inflow and outflow lines. Bldg. 1058.
10-7	ST-241	O/W Separator inflow and outflow lines. Bldg. 1061.
8-26	ST-242	O/W Separator inflow and outflow lines. Bldg. 1063.
8-26	ST-243	O/W Separator inflow and outflow lines. Bldg. 1063.
10-7	ST-244	O/W Separator inflow and outflow lines. Bldg. 1064.
10-7	ST-245	Holding Tank inflow and outflow lines. Bldg. 1064.
10-7	ST-246	O/W Separator and Holding Tank inflow and outflow lines. Bldg. 1070.
10-7	ST-247	O/W Separator inflow and outflow lines. Bldg. 2637.
10-17	ST-248	O/W Separator inflow and outflow lines. Bldg. 20205.
8-28	ST-250	O/W Separator inflow and outflow lines. Bldg. 20338.
8-29	ST-251	O/W Separator and inflow outflow lines. Bldg. 20344.
8-31	ST-252	O/W Separator inflow and outflow lines. Bldg. 20348.

Stage 2C, Appendix III Sites

SWMU #	SITE #	Description
8-31	ST-253	O/W Separator inflow and outflow lines. Bldg. 20348.

10-7	ST-254	O/W Separator inflow and outflow lines. Bldg. 20365.
8-35	ST-255	O/W Separator inflow and outflow lines. Bldg. 20375.
8-35	ST-256	O/W Separator inflow and outflow lines. Bldg. 20375.
8-35	ST-257	O/W Separator inflow and outflow Lines. Bldg. 20375.
8-35	ST-258	O/W Separator inflow and outflow lines. Bldg. 20375
10-7	ST-259	Area Drain all inflow and outflow lines. Bldg. 20422.
10-7	ST-260	O/W Separator inflow and outflow lines. Bldg. 20422.
8-47	ST-261	O/W Separator inflow and outflow lines. Bldg. 20423.
10-7	ST-262	O/W Separator inflow and outflow lines. Bldg. 20698.
10-7	ST-263	O/W Separator inflow and outflow lines. Bldg. 2322.
10-9	ST-264	O/W Separator inflow and outflow lines. Bldg. 30142.
10-7	ST-265	O/W Separator inflow and outflow lines. Bldg. 30146.
10-7	ST-266	Area Drain inflow and outflow lines. Bldg. 57001.
10-11	ST-267	O/W Separator inflow and outflow lines. Bldg. 57007.

Stage 2C, Appendix III Sites (Cont)

SWMU #	SITE #	Description
10-21	ST-273	Septic Tank, leach field and inflow lines. Bldg. 618 N.

8-41	ST-274	Waste Battery Storage. Bldg. 20423
8-49	ST-275	Fuel shop battery storage area. Bldg 20677.
9-4	ST-276	Waste accumulation area. Bldg. 617
9-20	WP-277	Inactive waste accumulation area. Bldg. 909.
10-1	ST-278	Sanitary Sewer A.
10-1	ST-279	Sanitary Sewer B.
10-1	ST-280	Sanitary Sewer C. *HOUSING*
10-1	ST-281	Sanitary Sewer D.
10-1	ST-282	Sanitary Sewer E.
10-1	ST-283	Sanitary Sewer F.
10-1	ST-284	Sanitary Sewer G.
10-2	ST-285	Storm Sewer System (Tower E)
10-2	ST-286	Storm Sewer System. (E of Hangars 1001/1002.
10-21	ST-287	Septic tank, leach field and inflow lines. Bldg. 525.
10-21	ST-288	Septic tank, leach field and inflow lines. Bldg. 614.
10-21	ST-289	Septic tank, leach field and inflow lines. Bldg. 617.
10-21	ST-290	Septic tank, leach field and inflow lines. Bldg. 619.

Stage 2C, Appendix III Sites (Cont)

SWMU #	SITE #	Description
10-21	ST-291	Septic tank, leach field and inflow lines. Bldg. 617.
10-21	ST-292	Septic tank, leach field and inflow

		lines. Bldg. 626.
10-21	ST-293	Septic tank, leach field and inflow lines. Bldg. 37570.
10-21	ST-294	Septic tank, leach field and inflow lines. Bldg. 633.
10-21	ST-295	Septic tank, leach field and inflow lines. Bldg. 638.
10-21	ST-296	Septic tank, leach field and inflow lines. Bldg. 702.
10-21	ST-297	Septic tank, leach field and inflow lines. Bldg. 707.
10-21	ST-298	Septic tank, leach field and inflow
10-21	ST-299	Septic tank, leach field and inflow lines. Bldg. 751.
10-21	ST-300	Septic tank, leach field and inflow lines. Bldg. 20199.
10-21	ST-301	Septic tank, leach field and inflow lines. Bldg. 20560.
10-21	ST-302	Septic tank, leach field and inflow lines. Bldg. 20599.
10-21	ST-303	Septic tank, leach field and inflow lines. Bldg. 20749.
10-21	ST-304	Septic tank, leach field and inflow lines. Bldg. 20797.
10-21	ST-305	Septic tank, leach field and inflow lines. Bldg. 28064.

Stage 2C, Appendix III Sites (Cont)

SWMU #	SITE #	Description
10-21	ST-306	Septic tank, leach field and inflow lines. Bldg. 28050.
10-21	ST-307	Septic tank, leach field and inflow lines. Bldg. 30163.

10-21	ST-308	Septic tank, leach field and inflow lines. Bldg. 30103.
10-21	ST-309	Septic tank, leach field and inflow lines. Bldg. 37504.
10-21	ST-310	Septic tank, leach field and inflow lines. Bldg. 37414.
10-21	ST-311	Septic tank, leach field and inflow lines. Bldg. 37404.
10-21	ST-312	Septic tank, leach field and inflow lines. Bldg. 37410.
10-21	ST-313	Septic tank, leach field and inflow lines. Bldg. 37530.
10-21	ST-314	Septic tank, three leach fields and inflow lines. Bldg. 48004.
10-21	ST-315	Septic tank, leach field and inflow lines. Bldg. 48004.
10-21	ST-316	Septic tank, leach field and inflow lines. Bldg. 57003.
10-21	ST-317	Septic tank, leach field and inflow lines. Bldg. 57011.
10-21	ST-318	Septic tank, leach field and inflow lines. Bldg. 37200.
10-21	ST-319	Septic tank, leach field and inflow lines. Bldg. 37570.
10-21	ST-320	Septic tank, leach field and inflow lines. Bldg. 20149.

Stage 2C, Appendix III Sites (Cont)

SWMU #	SITE #	Description
10-21	ST-321	Septic tank, leach field and inflow lines. Bldg. 57007.
10-21	ST-322	Septic tank, leach field and inflow lines. Bldg. 37415.

10-21	ST-323	Septic tank, leach field and inflow lines. Bldg. 29042.
10-21	ST-324	Septic tank, leach field and inflow lines. Bldg. 29051.
10-21	ST-325	Storm Sewer System.
10-21	ST-326	Waste oil tank, Auto Hobby Shop. Bldg 20375
0-0	ST-327	Burn Yard.
10-2	ST-329	Grease trap to storm drain and inflow and outflow lines Propulsion Branch. Bldg 336.
10-21	ST-330	Septic tank, leach field and inflow lines. Bldg. 1032.
10-2	ST-331	Storm drain C130 maintenance shop. Bldg. 1009.
10-1	ST-332	Sanitary Sewer. (ITRI).
10-21	ST-333	Septic tank, leach field and inflow lines. (Abandoned). Bldg. 66001.
8-52/8-53	ST-335	Paint Shop Sink Drain to Sanitary Sewer and Rock Bed. Bldg. 20681.
10-2	ST-336	Jet Engine Test Cell. Bldg. 702.
0-0	ST-337	US Corps of Engineers Vehicle Maintenance Yard. Bldg. 20212.
0-0	ST-338	Horizontal Dipole Drum Rack.
0-0	ST-339	Contractor Yard West of Bldg. 20423.

Stage 2C, Appendix III Sites (Cont)

SWMU #	SITE #	Description
10-21	ST-340	Septic tank, leach field and inflow lines. Bldg. 57001.
0-0	ST-341	Condensate Holding Tank. Bldg. 1032.

Stage 2D, Appendix IV Sites

SWMU #	SITE #	Description
	RW-04	Manzano Holding Tank RB-04
	RW-05	Manzano Holding Tank RB-05
6-3	RW-06	Radioactive Burial Site 11
	RW-17	Manzano Holding Tank RB-06
	RW-19	Manzano Holding Tank RB-08
6-A	RW-21	Radioactive Burial Site 07
	RW-23	Manzano Holding Tank RB-09

Notes:

a Unless an abbreviated list of analytes is specified under "Parameter" above, the analytical protocol shall include all analytes listed in the referenced analytical method and all analytes of interest. Analytes of Interest are considered to be those listed in table 2-2 of the Handbook. The methods cited are from the following sources:

"A" Methods	Standard Methods for the Examination of Water and Wastewater, 16th Edition (1985)
"E" Methods	Methods for Chemical Analysis of Water and Wastes, EPA Manual, 600/4-79-020 (USEPA, 1983--with additions)
"SW" methods	Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition (USEPA, 1986)
"ASTM" Methods	American Society for Testing and Materials, 1919 Race Street, Philadelphia, PA 19103

b If the number of samples requiring second-column confirmation exceeds this allowance, contact the Technical Project Manager. The total number of samples listed in Annex A includes the allowance applicable to each GC method. If GC/MS, or a combination of second-column GC and GC/MS, is used, the total cost of all such analyses for a particular parameter shall not exceed the funding allowed for positive confirmation using only second-column GC.

c The sample shall be filtered in the field through a 0.45 micrometer filter immediately (within 15 min.) after sample collection and before sample preservation.

d For furnace analyses, modify the SW3005 digestion procedure by substituting 5 mL concentrated nitric acid for the 5 mL concentrated hydrochloric acid specified by the method (a total of 7 mL nitric acid will be added).

Appendix B
Biographies of Key Personnel

ROGER CLARK

Mr. Clark served as the Technical Quality Assurance Specialist for RFI activities at Kirtland Air Force Base. He has a B.A. degree in Earth Sciences from Bloomsburg State College and M.A. and Ph.D. degrees in Geology from State University of New York. He has more than 25 years of professional experience in geological and environmental sciences and regulatory issues that include planning and supervising subsurface multi-phased and multi-disciplined investigations for RI/FSs, RFIs, RCRA Corrective Actions, Property Assessments and Regulatory Compliance issues. His experience includes managing subsurface investigations for both hazardous and radioactive wastes at domestic and foriegn sites.

KEVIN J. WALTER, P.E.

Mr. Walter served as the project manager for Stage 2D-1 activities. He was responsible for implementing Stage 2D-1 activities, more thanseeing the RFI report preparation, interfacing with the client and regulatory agents, and project budgeting and scheduling. He has both a Masters and Bachelors degree in Environmental Engineering from Rensselaer Polytechnic Institute in Troy, New York. Mr. Walter has more than 18 years of experience in the environmental field managing and performing project work. His technical experience includes investigation and remediation of contaminants transported in all media, including surface water/drinking water, groundwater, soil, sediment, and air. Mr. Walter has more than 10 years of experience managing multidisciplinary projects ranging from site audits/assessments to remedial design and remedial action. He served as the project manager for an $11 million contract with the U.S. Department of Energy to conduct environmental surveys at 38 nuclear weapons and energy research facilities across the United States with five 10-person teams. His experience includes serving as the Deputy Manager and Principal Investigator under contract to the Los Alamos National Laboratory Environmental Restoration Program. As a Deputy Manager, Mr. Walter managed and directed more than 20 technical staff members who performed RFIs including development of Health & Safety Plans, Sampling & Analysis Plans, site investigation activities (sampling, verification, validation, and interpretation of laboratory results), and performance of site audits and investigations.

ED AGOSTON

Mr. Agoston served as the Task Manager during Stage 2D-1 activities. He has a B.S. degree in Geology from the University of Akron and a M.S. degree in Geology from Wright State University. He has 8 years professional experience in geology, surface water hydrology, and groundwater hydrology in the hazardous waste and coal mining industries and 5 years of management experience outside of the environmental industry. He has written, reviewed and evaluated the technical and regulatory completeness of RCRA Part B permit applications, RCRA Facility Investigation (RFI) Site Assessment Plans, groundwater quality detection and assessment programs, and corrective action programs of hazardous waste facilities. Mr. Agoston's activities have included the design and implementation of surface water and groundwater monitoring programs to meet requirements of local, state, and Federal regulations concerning hydrology and the coal mining industry. He has conducted field activities and studies to characterize the geology and hydrology of properties for coal extraction and municipal water well installation. Mr. Agoston has also conducted property assessments to detect the presence and determine the extent of soil and groundwater contamination using innovative technologies such as soil gas surveys. Mr. Agoston is intimately familiar with the Underground Storage Tank (UST) regulations and has prepared site assessment and corrective action plans and reports according to these regulations. He has designed a remediation system for the cleanup of a petroleum contaminated site and has provided comments on proposed municipal and hazardous waste location standards (siting criteria).

RICHARD REXROAD

Mr. Rexroad served as the project geologist during the Stage 2D-1 activities. He has a M.S. degree in Geology from Louisiana State University and a B.S. degree in Geology from Michigan State University. He has more than 15 years geologic experience, including more than 5 years of specialization in hazardous waste management and environmental geology and hydrogeology. As a senior staff geologist, he provides geologic expertise to waste management, geology, and groundwater projects required throughout the company.

MATTHEW F. CHRISTIAN

Matthew Christian served as a geoprobe operator, sample collector and coauthor on the RFI report during the Stage 2D-1 activities at Kirtland Air Force Base. He has an M.S. degree in Forestry from Iowa State University and a B.A. degree in Biology from Luther College. He has more than six years of experience on environmental projects. As an Environmental Scientist, he has been involved with Remedial Investigation/Feasibility Study (RI/FS) activities under CERCLA, as well as RCRA Facility Investigations. He has designed, assembled, and installed nests of groundwater piezometers and tension and zero-tension lysimeters for hydrologic monitoring. In addition, he has conducted and managed surface and groundwater quality sampling and monitoring. Has had extensive applied-forestry experience internationally, as well as the U.S. For example, he conducted a rain forest regeneration study in the wet-tropics of Queensland, Australia, and investigated pine plantation characteristics in New Zealand. Combining knowledge of forestry and agriculture, he managed a $250,000 agroforestry project funded by the Leopold Center for Sustainable Agriculture. He also has thorough knowledge of NEPA process, and has provided support for, and technical review of, major DOD environmental impact statements. For other defense-related programs, he has authored Records of Environmental Consideration and Categorical Exclusions under NEPA.

BRYAN WOLFE

Mr. Wolfe served as a geoprobe operator and sample collector during 2D-1 activities. He has a B.S. degree in Engineering Science (Mechanics) from the New Mexico Institute of Mining and Technology. He has more than three years professional experience in hydrogeologic investigations, UST removals and leak investigations, soil vapor surveys, groundwater modeling, and the design, installation, and operation of groundwater and soil vapor extraction and treatment systems. He has supervised drilling and sampling programs for soil and groundwater. He has designed, installed, and tested groundwater monitor wells and extraction wells for soil vapor and groundwater at numerous UST and solid waste landfill sites. Mr. Wolfe has performed field investigations for site assessments, hydrologic testing, water pollution control studies, air quality assessments, solid and hazardous wastes determinations, potable water source testing, asbestos inspection testing, and emergency spill response. While on assignment in Alaska, Mr. Wolfe reviewed plans for private water and waste disposal systems, responded to marine and surface oil spill clean-upefforts, and enforced cruise ship stack emission standards.

STEVEN PAUL CAMP

Mr. Camp served as a geoprobe operator and sample collector during the Stage 2D-1 activities at Kirtland Air Force Base as well as a coauthor on the RFI report. He has a B.S. degree in Resource

Development from Michigan State University. He has more than 3 years of environmentally-related work experience, 2 of which he served as a project manager of several LUST hydrogeological site investigations for a major oil company. Responsibilities included development, implementation, and oversight of work plans, budget estimates, and final reports. Relevant tasks to these responsibilities included initial abatement measures, public health and environmental risk assessments, oversight of UST removal activities, and the development and implementation of remedial alternatives.

MARK GARMAN

Mr. Garman served as a field technician during the Stage 2D-1 activities. He has a B.S. degee in Geology from Tennessee Technological University. He has more than 10 years experience related to geologic/environmental activities which include: project management at numerous UST investigations; project support and supervision at RI/FS being performed at military installations through AFCEE and DOE facilities; project support and supervision of HAZWRAP activities at military installations; more thansight of subsurface investigation at petroleum refinery; and installing and assessing in-situ remediation activities.

RACHEL LAYMAN

Ms. Layman served as a field technician during Stage 2D-1 activities. She has a B.S. degree from Virginia Polytechnic Institute and State University. As an Environmental Scientist she has more than 4 years of experience in enviromental activities including: DOE-SR Environmental Compliance Evaluations including conducting, scheduling, and technical report preparation of environmental evaluations primarily related to waste management; review and preparation of risk assessments; site characterization field sampling experience; environmental compliance evaluations; environmental toxicology, primarily aquatic toxicology; effluent testing as part of compliance with National Pollutant Discharge Elimination System (NPDES) requirements; EPA Toxicity Identification Evaluations (TIE), low-level radioactive aquatic toxicity testing and basic water chemistry analyses; and pesticide re-registration field study with extensive ecological and residue sampling, and ecotoxicological research.

LESLIE WARREN

Leslie Warren served as a Field Technician supporting Stage 2D-1 activities. He has a B.S. degree in Environmental Science from Sam Houston State University. He has eleven years experience in the field of environmental science, air, and wastewater quality. Active participation in water quality studies, long-range planning for water quality and water resources. Experienced in chemical and process analysis of industrial facilities and hazardous waste and wastewater generating processes. Other areas of experience include preparing air permit applications, air emission inventories, air emissions monitoring, air emission calculations and computer data management.

BRIAN HILL

Mr. Hill served as the Field Radiological Safety Officer during Stage 2D-1 activities. He was responsible for monitoring the radiological conditions at the project sites during field activities. He has a B.S. degree in Environmental Health from Purdue University. He has more than

seven years experience in both the commercial and gmore thannment fields of health physics. Responsibilites during this period include: performing radiological surveillances and appraisals, technical review of DOE documents, evaluations on emergency preparedness drills and exercises; implementing respiratory protection, bioassay, source control and air sampling programs at nuclear power generating facilities; supervising radioactive waste shipping and handling; chemical decontamination of response equipment; and radiological characterization of project sites.

CLIFFORD J. JARMAN

Mr. Jarman served as Geophysicist evaluating the geophysical survey performed during the Stage 2D-1 activities and as a coauthor on the RFI report. As part of his evaluation, he selected the sampling locations at RB-11. He has a MS degree in Geophysics from the New Mexico Institute of Mining and Technology and a BS degree in Geology from the University of New Mexico. He has more than 7 (seven) years experience in providing environmental and geophysical support to the client. Mr Jarman's experience includes Task Leader for five environmental support tasks (NEPA, RCRA, Order 5400.1, ES&H Orders, and Environmental Appraisal Manual) under DOE/AL ES&H Support Contract, member of Nuclear Materials Storage Facility Working Group for evaluation of modification to subject facility at Los Alamos National Laboratory (LANL), consultant to DOE on earthquake risk assessments, fault investigations according to Nuclear Regulatory Commission (NRC) criteria, seismic design considerations, and related regulatory compliance for nuclear reactors at the Savannah River Site, preparation of an NVO-325 Waste Generator Application for the Nevada Test Site, preparation/contributor to four EISs, and the review of four EISs and more than 50 EAs.

KARIN CRANDALL

Ms. Crandall served as the project chemist, QA officer, health and safety officer and co-author on the RFI report for the Stage 2D activities at Kirtland Air Force Base. She has a B.A. degree in Chemistry from Western Maryland College. She has 18 years experience in environmental related projects in both technical and program management capacities. She has more than 10 years experience in regulatory compliance issues including 10 years experience conducting source air emission and industrial hygiene sampling for private industry, regulatory agency, and a consulting firm. She has conducted sample collection and analyses by GC, GC/MS, AA, and HPLC, and has modeled results to determine air quality impact. She has participated in several ambient air monitoring programs for particulates, volatile and semivolatile organics, and fixed gases and has performed air dispersion modeling of results. She is also experienced in CERCLA site investigation and emergency response sampling/analysis, soil and groundwater sample collection, and on-site headspace analysis to determine extent of contamination or groundwater plume delineation. In addition, she has three years experience in environmental auditing and CAA regulatory compliance assessment of operating facilities; along with 7 years in industrial wastewater clarification including chemical characterization, system engineering, synthesis, and polymer evaluation/application. She is EPA method 9 certified and has a working knowledge of Federal, state, and DOE Order requirements, methods, and protocol including EPA SW-846.

SHAWN CHESNEY

Mr. Chesney served as Health Physicist responbsible for assessing risk associated with radiation levels present at the sites investigated during Stage 2D-1 activities. He has a B.S. degree in Health Physics from

Bloomsburg University of Pennsylvania and a M.S. degree in Health Physics from the University of Florida. He has more than 10 years of experience relating to radiological issues. He has developed programs to assess radiation exposure to mitigation workers; to evaluate radiation levels in drinking water supplies; and to reduce the use of radioactive materials at Nuclear Power Generating Plants. He also has experience as a nuclear reactor operator and insturction in nuclear and health phsyics-related topics.

CHERYLE LU

Ms. Lu was responsible for assessing risk at Stage 2D-1 sites where contaminants were found to be present. She has a B.S. degree in Nursing from the National Taiwan Health and Safety Plan University, a M.A. degree in Biology from the Appalachian State College in North Carolina and a Ph.D. degree in Biology from the University of Houston. She has more than 25 years of professional experience that includes environmental toxicology consulting services, project management, risk assessment, remedial investigations/feasibility studies, remediation/closure of RCRA facilities and Superfund sites, regulatory compliance, toxicology and litigation and support.

ROBERT M. GAYLOR

Mr. Gaylor served as the IRPIMS data manager for the Stage 2D-1 Project and a coauthor to the RFI report. He evaluated the analytical data to ensure it was compatible with the IRPIMS format. He has a BS degree in Computer Science from the University of Maryland, a BA degree in Geology from the University of North Carolina and a MS degree in Geology from North Carolina State University. He has more than seven years experience with specialization in computer applications associated with hazardous waste activities. He has designed and maintained data management systems to track and report chemical analyses from water and soil samples associated with RCRA mandated groundwater sampling programs. Other experience includes supporting geologic and groundwater hydrologic activities as related to the hazardous waste industry; perform groundwater monitoring well installation, soil borings, and sampling of existing monitoring wells; design and implementation of groundwater monitoring programs to meet the requirements of local, state, and federal regulations concerning protection of water resources under both RCRA and CERCLA; and review and evaluatethe technical and regulatory merits of RCRA Facility Investigation (RFI) Workplans and Sampling Plans.

CHARLES A. REMKES, P.E.

Mr. Remkes collected background data in preparation for Stage 2D-1 activities and provided technical support during the investigation. He has a BS degree in Civil Engineering/Ocean Engineering from Texas A&M University. He has more than 10 years of experience managing engineering projects in a combination of field activities, project management and program management assignments. As an Environmental Engineer, provided support and more thansite on environmental compliance-related issues. Has management experience on several highly varied and multidisciplinary projects including hazardous waste treatment, storage, and disposal facility audits; waste minimization plans; pollution prevention plans; subsurface investigation of soil contamination associated with underground storage tanks; spill prevention control and countermeasure plans; waste management guidance documents; preliminary site assessments; asbestos inspections, management plans and abatement projects; and material evacuations. Has a strong working knowledge of Federal regulations as they apply to waste management activities, specifically those associated with the Resource Conservation and Recmore thany Act (RCRA). He also is thoroughly

familiar with National Pollution Discharge Elimination Systems (NPDES) and National Emission Standards for Hazardous Air Pollutants (NESHAPs)-related issues.

KATHLEEN ALLEN

Ms. Allen served as the Technical Editor during Stage 2D-1 RFI report preparation. She has a B.A. degree in English from Clemson University. She has more than 14 years multidisciplinary experience in supervision and technical document projection, including 8 years experience writing, reporting, advertising, proofreading, editing, and graphics. During this period she has provided technical writing and editing support to DOE, DOD, and non-governmental clients as needed, ensuring that quality standards are achieved and resulting products meet or exceed client expectations. In support of her technical editing functions she has served as Assistant Department Manager and editor of a 21-person Publications Department, ensureing that deliverables were edited, proofread, word-processed, illustrated, and reproduced within established deadlines and client specifications.

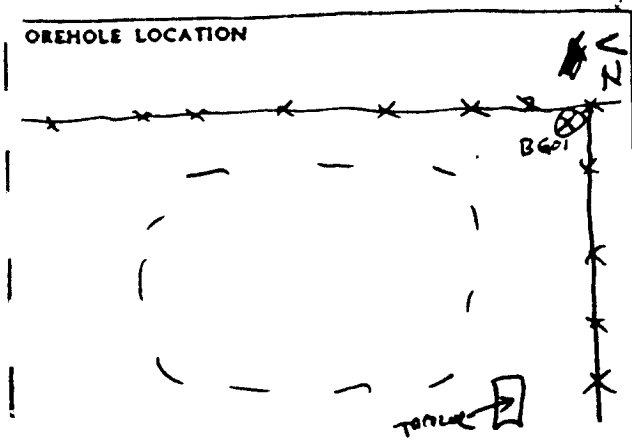
C

Appendix C
Soil Boring Logs

CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG

OREHOLE LOCATION



Project: KAFB Stage 2D	Borehole/Well No: KAFB-RB11-BG01
	Job No: 2A96
Logged By: MARK GARMAN	Edited By:
Project Manager: K. Walter	Drill Rig: Geoprobe
Drilling Contractor: BRE	
Driller/Helper: B. Wolfe	
Drilling Method: Geoprobe Construction Method Code = V (driven), HA = Hand Augered	
Sample Method: LARGE-BORE SAMPLER	
Hammer Weight/Drop: NA	Borehole Diameter: 1.375"
Started, Time: 1305	Date: 7-19-94
Completed, Time: 1625	Date: 7-19-94

Notes: BG01(B) DRILLED ~.75'N FROM BG01 TO OBTAIN SUFFICIENT VOLUME FOR REPLICATE. BG01(C) DRILLED ~6.5W OF BG01 TO GET DOWN TO 28-32' INTERVAL.

HNu/FID	0.8					
β-γ (cpm)	80					
Time	1305					
Date	7-19-94					

Total Depth: 32' Casing Depth:

Screened Interval:

Sand Pack, #3: #0:

Well Development Method:

Time: Date: Flow Rate:

Geophysical Logs, Type:

By: Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition, BGP (BY (cpm))	HNu/FID Reading	Analyses		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
KAFB-RB11-BG01-0207			24	22	80	0.8	VOC-BTEX, SVOC-PAH, RAD, METALS		SDFN		3			4.8': (SP) VFG-FG SAND (10YR, 6/3) PALE BROWN, MED. DENSE, DRY, SUBRD. 10-15% SILT. COARSE FRAC = ±15% V. COARSE SAND-FINE GRAV., PRED. L. STONE, SUBANG-ANG, UP TO 5mm.
KAFB-RB11-BG01-0207 (D)			24	24	80	0.8			SDFN		7			7': (SP) VFG-FG SAND (10YR, 8/2) V. PALE BROWN, DENSE, DRY, SUBRD. ±5% SILT. COARSE FRAC = <1%.
KAFB-RB11-BG01-1305			24	24	80	0.8	SVOC-PAH, METALS		SDFN		10			10': (SP) VFG-FG SAND (10YR, 8/2) V. PALE BROWN, DENSE, DRY, SUBRD, CALICHE THROUGHOUT. ±10% SILT. COARSE FRAC = ±10% FINE, L. STONE RF, ANG, UP TO 5mm.

BOREHOLE / WELL CONSTRUCTION LOG (cont.) Page — of —

Project / Job No.: KAFB 2 D 2A96 | Borehole/Well No.: KAFB-RB11-BG01

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sampler Cont. (%)	PID/FID	Analysis	Lab/Geo Code	Depth (ft)	Recovery	Contact	Description
			24	22	80	0.8	VOC-GRO, SVOC-DRO, RAD, METALS	SD	1			12': (SW) VFG - COARSE SAND (10YR, 7/2) LT. GRE DENSE, DRY, SUBANG, 1G/MOT RF. ± 5% SIL CALCITE THROUT. GRAVEL FRAC = ± 15% 1G/MOT RF, SUBANG, UP TO 5 mm.
									2			
									3			
KAFB-RB11-BG01-1317 @ 1415			24	22	80	0.8	VOC-GRO, SVOC-DRO, RAD, METALS	SD	4			14.8': (SW) VFG - V. COARSE SAND (10YR, 6/4) LT. YELLOWISH BROWN, MED. DENSE, DRY, SUBRD - SUBANG, 1G/MOT RF. ± 10% SILT. GRAVEL FRAC = ± 10% FINE, 1G/MOT RF, SUBANG, UP TO 5 mm.
									5			
			24	24	80	0.8		SD/SM	6			17': (SP) VFG-FG SAND (10YR, 6/3) PALE BROWN MED. DENSE, DRY, SUBRD. ± 10% SILT. COARSE FRAC = ± 10% - FINE GRAV, 1G/MOT RF, SUBANG, UP TO 5 mm.
									7			
									8			
KAFB-RB11-BG01-1322 @ 1500			24	24	80	0.8	VOC-GRO, SVOC-DRO, RAD, METALS	SD	9			20': (SW) VFG - V. COARSE SAND (10YR, 7/1) LT. GRAY, MED. DENSE, DRY, QTZ GRF, SUBANG. ± 10% GRAVEL FRAC. - FINE, GRF, SUBANG, UP TO 1 cm.
								SD/SM	10			
			24	20					11			21.7': (SP) VFG-FG SAND (10YR, 6/4) LT. YELLOWISH BROWN, MED. DENSE, DRY, SUBRD. ± 10% SILT. COARSE FRAC = ± 25% - MED. SAND - FINE GR 1G/MOT RF, SUBANG, UP TO 1 cm.
					80	0.8			12			
									13			
									14			
									15			
									16			
									17			
									18			
									19			
									20			
									21			
									22			
									23			
									24			
									25			
									26			
									27			
KAFB-RB11-BG01-2832 @ 1620			24	19	NA	NA	SVOC-DRO, METALS	SP/SM	28			29.6': (SW) FG-V. COARSE GRAVELLY SAND (10YR, 7/2) LT. GRAY, DENSE, DRY, SUBAN IG RF. GRAVEL FRAC = ± 30% FINE, K SUBANG-ANG, UP TO 7 mm.
					NA	NA			29			
					80	0.8			30			

CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION

Project: KAFB Stage 2D	Borehole/Well No: KAFB-RB11-BG02
	Job No: 2A96
Logged By: MACK GARMAN	Edited By:
Project Manager: K. Walker	Drill Rig: Geoprobe
Drilling Contractor: BRE	
Driller/Helper: B. Wolfe	
Drilling Method: Geoprobe Construction Method Code = V (driven), HA = Hand Augered	
Sample Method: LARGE-BORE SAMPLER	
Hammer Weight/Drop: NA	Borehole Diameter: 1.375"
Started, Time: 1025	Date: 7-19-94
Completed, Time: 1145	Date: 7-19-94

Notes:

HNu/PID	0.8						
β-γ (cpm)	80						
Time	1025						
Date	7-19-94						

Total Depth: 32' Casing Depth:

Screened Interval:

Sand Pack, #3: 60:

Well Development Method:

Time: Date: Flow Rate:

Geophysical Logs, Type:

By: Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Capacity Condition / RQD (BY (cpm))	HNu/PID Reading	Analyses		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
KAFB-RB11-BG02-0307 @ 1040			24	23	80	0.8	VOC-GRO, SVOC-DRO, RAD METALS		SDFN		1 2 3 4 5 6 7 8 9 10			4.2': (SP) VFG-FG SAND (10YR, 7/3) V. PALE BROWN, DENSE, DRY, SUBRD. ± 10% SILT. COARSE FRAC = 15% FINE GLAU, L.STONE RF, SUBANG, UP TO 1.4 cm.
			24	24					SDFN					7': (SP) VFG-FG SAND (10YR, 7/4) V. PALE BROWN, DENSE, DRY, SUBRD. ± 10% SILT. COARSE FRAC = 15-20% FINE GRAV, LITHIC RF, ANG, UP TO 8 mm.
KAFB-RB11-BG02-0312 @ 1050			24	19	80	0.8	SVOC-DRO, METALS		SWP					9.6': (GP) COARSE GRAVEL (5YR, 6/2) PINKISH GRAY, GRF, ANG, LOOSE, DRY, 2.5 cm.

CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56

Borehole/Well No.: KAFB-RB11-BG01

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recv'd	Sampler Cond.	HNu/PID	Analysis		Lithology Code		Depth (ft)	Recovery	Contact
			24	24							31		
					↓ 80	↓ 0.8	VOC+GRO, RAD		SDFN		32		

32': (SP) VCG-FG SAND (10YR 6/4) LT. YELLOWISH BROWN, MED. DENSE, DRY, SUBRD ± ANGL, COARSE FRAC = ± 10% PWG GRAV, IGNEOUS RF, SUBANG, UP TO 4 MM.

Mark Hamm 8-1-94

TN RG# 1808

CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56

Borehole/Well No.: KAFB-RB11-BG02

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cont. B	HNu/PID	Analysis	Lithology Code	Depth (ft)	Recovery	Contact
			24	24	↓ 80	↓ 0.8	VOC-GRO, RAD	SDFN	31		
									32		

32': (SP) VFG-FG SAND (10YR, 6/4) LT. YELLOWISH BROWN, MED. DENSE, DRY, SUBRD. ± 5% SILT. COARSE FRAC = ± 5% FINE GRAV, 1/4 INTACT, SUBANG, UP TO 9mm.

8-1-94

TN R.G. #1808

BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No. KAFB 2 D 2A96 | Borehole/Well No. KAFB-RBH-BG02

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Code	Headspace	Analysis	Lithology Code	Depth (ft)	Recovery	Context
			24	24	↓ 80	↓ 0.8	VOC-GRO, RAD,	SDGR	1 1		
									1 2		
									1 3		
KAFB-RBH-BG02-1317 @ 1105			24	23	80	0.8	VOC-GRO, SVOC-DRO, RAD, METALS	GWLG	1 4		
									1 5		
			24	18	↓ 80	↓ 0.8		SDFN	1 6		
									1 7		
									1 8		
KAFB-RBH-BG02-1822 @ 1125			24	23	80	0.8	VOC-GRO, SVOC-DRO, RAD, METALS	SDMD	1 9		
									2 0		
KAFB-RBH-BG02 @			24	22	↓ 80	↓ 0.8	VOC-GRO, SVOC-DRO, RAD, METALS	GWLG	2 1		
									2 2		
									2 3		
									2 4		
									2 5	?	
									2 6		
									2 7		
KAFB-RBH-BG02-2032 @ 1145			24	23	80	0.8	SVOC-DRO, METALS	SDSL	2 8		
					↓	↓			2 9		
									3 0		

12': (SW) FG-V.COARSE SAND (10YR, 7/2) LT. GRAY, SUBANG-SUBRD, LOOSE, DRY, GRF. GRAVELLY GRAVEL FRAC = ± 40% FINE, GRF, SUB UP TO 1.4 cm.

14.9': (GP) SANDY FINE GRAVEL (10YR, 7/2) LT. GRAY, SUBANG-ANG, IG/MET RF, LOOSE, DRY. ± 30% WELL GRADED SAND (VFG - V. COARSE), SUBANG, IG/MET RF.

15.5' (SP) VFG-FG SAND (10YR, 7/3) V. PALE BROWN, MED. DENSE, DRY, SUBRD. ± 10% MED. COARSE FRAC = ± 20% MED. SAND - FINE GRAV., IG/MET RF, SUBRD, UP TO 8 mm

18.5': (SP) FG-MED SAND (10YR, 6/3) PALE BROWN, LOOSE, DRY, SUBANG-SUBRD, IG/MET RF. COARSE FRAC = < 1%.

21.8': (GP) SANDY FINE GRAVEL (10YR, 7/2) LT. GRAY, LOOSE, DRY, SUBANG, IG/MET RF. ± 30% WELL GRADED SAND (VFG - V. COARSE), IG/MET RF, SUBANG.

23.9': (SM) VFG-FG SILTY SAND (10YR, 6/3) PALE BROWN, DENSE, SL. MOIST, SUBRD. ± 30% SILT. COARSE FRAC = ± 20%, V. COARSE SAND - FINE GRAV, SUBANG, PRED. LSTONE IRF, UP TO 1 cm.

Project / Job No.: 2A96 Borehole/Well No.: RB11-01

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recv'd	Sample Cond.	PID (Units)	Analysis	Analysis Method / Code	Depth (ft)	Recovery	Context
KARB-RB11-01-0813	BR		24		G	0		SDSC			SM
							RAD*		1		
							VOC, GRO				
				19			SVOC, DRO	OTHER	2		SM/SW
			12								
				9			metals, Hg, CN, soil pH/moisture		3		
									4		
Driller reports very firm formation from 14.5' to 16.25'.									5		
									6		
									7		
									8		
KAFB-RB11-01-1802	BR		24		G	0			9		
						0	RAD*				
						1.5	VOC, GRO		0		
				21		0	RAD*				
			24			0	RAD*				
							RAD*		1		
						0.5	SVOC, DRO				
				22		0	metals, Hg, CN, soil pH/moisture	GVFG	2		SM
									TD= 22'		
									3		
									4		
									5		
									6		
									7		
									8		
									9		
									0		

*- RAD = Ra^{226}, Ra^{228}, Gross α, Gross β

At 12', light brown (7.5YR6/4) very fine to medium grained silty sand (SM) with gravel (SW); dry, medium density; angular to subrounded sand grains; silt comprises approximately 20% of total volume; coarse fraction (approximately 35-40% of total volume) (maximum observed diameter = 0.75" [19.05 mm, -4Φ]: typical diameter = 0.20 to 0.25" [5.08 to 6.35 mm, -2 to -3 Φ]) consists of angular to subrounded granitic rock fragments (approximately 80% of coarse fraction) and medium to light gray subrounded to rounded limestone (approximately 20% of coarse fraction).

At 13', similar (SM) lithology as above, but coarse fraction (approximately 25% of total volume) (maximum observed diameter is greater than 1" [>25.4 mm, -5Φ], but typical diameter is 0.15" [3.81 mm, -2Φ]) consists of subangular to subrounded granitic rock fragments (approximately 80% of coarse fraction) and subrounded gray limestone (approximately 20% of coarse fraction; silt comprises approximately 20% of total volume.

At 18', very fine to very coarse silty sand with abundant gravel (SW); light brown (10YR6/6), dry, medium density; angular to subrounded sand grains; silt comprises approximately 20% of total volume; coarse fraction (approximately 40% of total volume) (maximum observed diameter = 0.35" [8.89 mm, -3Φ]) consists of angular to subrounded granitic rock fragments (approximately 60% of coarse fraction), very angular to subangular quartz (approximately 30% of coarse fraction), and subrounded medium to dark gray limestone (approximately 10% of coarse fraction).

Abundant large pebbles (greater than 1" [25.4 mm, -5Φ] in diameter) at 20' (dark gray quartzite and medium gray crypto-

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION
See Figure for RB11 Site Map

Project: KAFB Stage 1D
Borehole/Well No: RB11-01
Job No: 2A96
Logged By: R. Rexroad
Edited By:
Project Manager: E. Paoston
Drill Rig: Geoprobe #2
Drilling Contractor: BRE
Driller/Helper: M. Christian / R. Laymon
Drilling Method: Geoprobe Construction Method Code - (V)(driven), HA = Hand Augered
Sample Method: Brass Rings (BR)
Hammer Weight/Drop: N/A
Borehole Diameter: 1.375"
Started, Time: 1115 **Date:** 7-5-94
Completed, Time: 1245 **Date:** 7-5-94

Notes:
FID background = 6 ppm
3β background = 80 to 100 CPM

HNu/FID	1 ppm (max.)	background	1.5 ppm (max.)		
β-γ (cpm)	background	→	→		
Time	1120	1150	1230		
Date	7-5-94	→	→		

Total Depth: 22' **Casing Depth:** N/A
Screened Interval: N/A
Sand Pack, #3: N/A **#0:** N/A
Well Development Method:
Time: N/A **Date:** N/A **Flow Rate:** N/A
Geophysical Logs, Type:
By: N/A **Date:** N/A

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses	AFCEE Lithology Code	Depth in Feet	Recovery / Sample Loc.	Contact / USCS Code
KAFB-RB11-01-0307	BR		24		G	0	RAD*	SDX	1		
				19		0	RAD*		2		
						0	RAD*		3		SM
			24			0	RAD*		4		
						1	VOC, GRO		5		
				21		0	SVOC, DRO		6		
						0	metals, Hg, CN, soil pH/moisture		7		
(See next page)	BR		24		G	0	RAD*		8		
				20			RAD*		9		
							RAD*		10		

LITHOLOGIC DESCRIPTIONS

Light brown (7.5YR 6/3) very fine grained clayey silty sand (SM); dry, loose; sa grains are angular to subangular; clay comprises approximately 5% (?) of total volume; silt comprises approximately 25-30% of total volume; coarse fraction (much less than 1% of total volume) consists of very coarse sand-to granule-sized fragments of subangular to subrounded quartz and granitic rock fragments.

At 8', light brown (7.5YR 7/6) very fine to medium grained silty sand (SM); dry, loose; angular to subrounded sand grains; silt comprises approximately 20% of total volume; coarse fraction (approximately 1-2% of total volume) (maximum observed diameter = 0.30" [7.62 mm, -3ϕ]) consists of subangular to subrounded medium gray limestone and granitic rock fragments.

*-RAD = Ra^{226}, Ra^{228}, Gross α, Gross β

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION

See Figure for RB11 Site Map

N ↑ 2D • .2C .2A .2B

Sample KAFB-RB11-02-1822 collected from Boring RB11-2(D); all other samples collected from Boring RB11-2(A); no samples collected from Borings RB11-2(B) (refusal at 3') or RB11-2(C) (refusal at 9').

Project: KAFB Stage 2D	Borehole/Well No: RB11-02
	Job No: 2A96
Logged By: R. Rexroad	Edited By:
Project Manager: E. Agoston	Drill Rig: Geoprobe # 2
Drilling Contractor: BRE	
Driller/Helper: M. Christian / R. Layman	
Drilling Method: Geoprobe Construction Method Code = V (driven), HA = Hand Augered	
Sample Method: BRASS RINGS (BR)	
Hammer Weight/Drop: N/A	Borehole Diameter: 1.375"
Started, Time:	Date: 7/5/94
Completed, Time: 1100	Date: 7/6/94

Notes:
FID background = 1 to 5 ppm
β-γ background = 80 to 100 CPM

HNu/FID	background →					
β-γ (cpm)	background →					
Time	1420	1510	1020			
Date	7-5-94	7-5-94	7-6-94			

Total Depth: 22' Casing Depth: N/A
Screened Interval: N/A
Sand Pack, #3: N/A #0: N/A
Well Development Method:
Time: N/A Date: N/A Flow Rate: N/A
Geophysical Logs, Type:
By: N/A Date: N/A

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses	ARCEE Lithology Code	Depth in Feet	Recovery / Sample Loc.	Contact / USCS Code
KAFB-RB11-02-0808	BR		24		G	0					
				14			metals, Hg, CN Soil pH / moisture	SDSL	1		
							RAD*				
			24				RAD*		2		
							RAD*				
							RAD*		3		
				22			SVOC, DRO				
			12				VOC, GRO		4		SM
				7							
(see next page)	BR		24		G	0			5		
							metals, Hg, CN, Soil pH / moisture				
				14			RAD*		6		
									7		
									8		
									9		
									10		SM/SW

LITHOLOGIC DESCRIPTIONS

Light brown (10YR 6/4) very fine grained silty Sand (SM); loose, dry; angular to subangular Sand grains; silt comprises approximately 40% of total volume; coarse fraction (much less than 1% of total volume) consists of granules and very coarse sand composed of subangular to Subrounded granitic rock fragments.

Very tight at 7'.

At 7', light brown (10YR 6/4) very fine grained silty Sand (SM); dry, medium density; Sand grains are angular to subangular; silt comprises approximately 45% of total volume; coarse fraction (approximately 5% of total volume) (maximum observed diameter: 0.20" [5.08 mm, -2ϕ]) consists of subangular to subrounded fragments of the following components: granitic rock fragments (approximately 50% of coarse fraction), quartz (approximately 35% of coarse fraction), and dark igneous/metamorphic rock fragments (approximately 15% of coarse fraction).

* RAD = Ra^{226}, Ra^{228}, Gross α, Gross β

OTHR

Project / Job No.: 2A96 Borehole/Well No.: RB11-01

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/FID	Analysis	Lithology Code	Depth (ft)	Recovery	Contact
									1		
									2		
									3		
									4		
									5		
									6		
									7		
									8		
									9		
									0		
									1		
									2		
									3		
									4		
									5		
									6		
									7		
									8		
									9		
									0		

crystalline limestone.

At 22', silty sandy gravel (GM); medium density; silt comprises approximately 15% of total volume; sand is light brown (10YR 7/2), very fine to very coarse grained, angular to subrounded, and comprises approximately 40% of total volume; coarse fraction (approximately 45% of total volume) (maximum observed diameter = 0.32" [8.13 mm, -3 ϕ]; typical diameter = 0.10" [2.54 mm, -1 ϕ]) consists of subangular to subrounded granitic rock fragments (approximately 65% of coarse fraction), angular to subangular quartz (approximately 25% of coarse fraction), and subrounded medium to dark gray limestone (approximately 10% of coarse fraction).

Richard Flexnor, P.G.
0000901 - State of Florida

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: 2A96

Borehole/Well No.: RB11-02

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recvd	Sample Cond.	PID/FID	Analysis	Lithology Code	Depth (ft)	Recovery	Contact
									1		
									2		
									3		
									4		
									5		
									6		

very fine grained silty sand (SM); dry, medium density; angular to subangular sand grains; silt comprises approximately 30% of total volume; no coarse fraction (i.e., coarser than sand) present.

Richard Raymond P.G.
0000901 - State of Florida

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: 2A96 | Borehole/Well No.: RB11-02

Notes:

Sample ID	Sampler Type	Blows / 6 inch	Inches Driven	Inches Recov'd	Sample Cond.	PID (ppm)	Analysis	Affect. Lithology Code	Depth (ft)	Recovery	Contact	
KAFB-RB11-02-0813	BR		24		G	0	RAD*	OTHR		SW	SW	At 10', light grayish brown (10 YR 7/2) predominantly very fine grained (ranging to medium grained) Silty Sand (SM) with gravel (SW); dry, loose; Sand grains are angular to Subangular; Silt comprises approximately 20% of total volume; coarse fraction (approximately 25% of total volume) (maximum diameter is greater than 1.5" [38.10 mm, -5ϕ]: typical diameter of approximately 2 mm [-1ϕ]) consists of subangular to subrounded granitic rock fragments (approximately 40% of coarse fraction), angular to subangular quartz (approximately 30% of coarse fraction), and subrounded dark gray limestone (approximately 30% of coarse fraction).
							RAD*					
				23			RAD*		1			
			18				SVOC, DRO					
							VOC, GRO		2			
				18				SDSL	3			
									4			
									5			
								-1-	6		-?	
									7			
									8			
	BR		24		G	0	metals, Hg, CN, soil pH/moisture	OTHR			SM/ SW	At 13', medium brown (10 YR 6/4) very fine to coarse grained silty sand (SM); dry, medium density; angular to subrounded sand grains; silt comprises approximately 20% of total volume; coarse fraction (approximately 10% of total volume) (maximum observed diameter = 0.75" [19.05 mm, -4 ϕ]: typical diameter = 0.05" [1.27 mm, 0ϕ]) consists of subangular to subrounded granitic rock fragments (approximately 75% of coarse fraction), dark gray rounded limestone (approximately 15% of coarse fraction), and angular to subangular quartz (approximately 10% of coarse fraction).
KAFB-RB11-02-1022						0						
						0	RAD*		9			
				12		0						
			24			0	RAD*		0			
						0	RAD*	SDSL				
						0.1	VOC, GRO		1		SM	
				24		0	SVOC, DRO					
									TD= 22'			
									2			
									3			
									4			
									5			
									6			
									7			
									8			
									9			
									0			

At 18', medium brown (7.5 YR 6/3) very fine to medium grained silty sand (SM) with gravel (SW); dry, medium density; angular to subangular sand grains; silt comprises approximately 20-25% of total volume; coarse fraction (approximately 35% of total volume) (maximum observed diameter = 0.35" [8.89 mm -3 ϕ]) consists of subangular to subrounded granitic rock fragments (approximately 75% of coarse fraction) and angular to subangular quartz (approximately 25% of coarse fraction).

At 20.5-22', light brown (7.5 YR 6/4)

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: 2A96 | Borehole/Well No.: RB11-03

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recvd	Sample Cond.	HNu/FID	Analysis	Matrix / Lithology Code	Depth (ft)	Recovery	Contact
KAFB-RB11-03-0812	BR		24		G	0	RAD*	SDSL	0		SM
				21				UNCS	1		
									2		
									3		
									4		
									5		NOT LOGGED
									6		
									7		
KAFB-RB11-03-1721	BR		24		G	0	RAD*	SDFN	7		SP
							metals, Hg, CN, Soil pH / moisture		8		
				18			RAD*		9		
KAFB-RB11-03-2121			24				RAD*	OTHR	9		SM/SW
				21			VOC, GRO		10		
							SVOC, DRO		11		
									12		
									13		
									14		
									15		
									16		
									17		
									18		
									19		
									20		

At 10', medium brown (7.5 YR 6/6) very fine grained silty sand (SM); dry, medium density; sand grains are angular to subangular; silt comprises approximately 25 % of total volume; stratum displays bimodal size distribution (i.e., sand/silt and well-sorted gravel); coarse fraction (approximately 1-2% of total volume) (maximum observed diameter = 0.20" [5.08 mm, -2ϕ]; typical diameter = 0.15" [3.81 mm, -2 ϕ]) consists of subangular to subrounded granitic rock fragments (approximately 95 % of coarse fraction) and dark igneous/metamorphic rock fragments (approximately 5% of coarse fraction

At 17', medium brown (7.5 YR 6/3) very fine to coarse grained sand (SP); dry, medium density; sand grains are angular to subangular; silt comprises approximately 10% of sample; coarse fraction (approximately 3-5 % of total volume) (maximum observed diameter = 0.15" [3.81 mm, -2ϕ]) consists of subangular to subrounded granitic rock fragments

At 19.5', medium brown (7.5 YR 6/3) very fine to very coarse grained silty sand (SM) with gravel (SW); dry, medium density; sand grains are angular to subrounded; silt comprises approximately 15-20% of total volume; coarse fraction (approximately 15-20 % of total volume) (maximum observed diameter = 0.40" [10.16 mm, -3ϕ]) consists of subangular to subrounded granitic rock fragments (approximately 85% of coarse fraction), angular to subangular quartz (approximately 10% of coarse fraction), and dark igneous/metamorphic rock fragments (approximately 5% of coarse fraction).

Met refusal at 21' (bent sample tube).

* - RAD = Ra^{226}, Ra^{228}, Gross α, Gross β

Richard Heppard, P.G.
0000901 - State of Florida

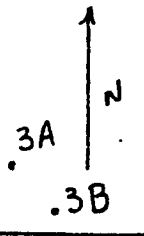
Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG

Page 1 of

BOREHOLE LOCATION

See Figure for RB11 Site Map



Project: KAFB Stage 2D

Borehole/Well No: RB11-03

Job No: 2A96

Logged By: R. Rexroad

Edited By:

Project Manager: E. Agostar

Drill Rig: Geoprobe

Drilling Contractor: BRE

Driller/Helper: K. Crandall • S. Camp / L. Warren

Drilling Method: Geoprobe Construction Method Code = (V) (driven), HA = Hand Augered

Sample Method: Brass Rings (BR)

Hammer Weight/Drop: N/A

Borehole Diameter: 1.375"

Started, Time: 0815 Date: 7-12-94

Completed, Time: 1145 Date: 7-12-94

Notes: Sample KAFB-RB11-99-0307 collected from Boring RB11-3B; all other Samples collected from Boring RB11-3A.

HNu/FID	background →			(background = 2.0-2.5
β-γ (cpm)	background →			(background = 80. cpm
Time	0834	0916	1030	1134
Date	7-12-94 →			

Total Depth: 21' Casing Depth: N/A

Screened Interval: N/A

Sand Pack, #3: N/A #0: N/A

Well Development Method:

Time: N/A Date: N/A Flow Rate: N/A

Geophysical Logs, Type:

By: N/A Date: N/A

Sample ID	Sampler Type / depth	Blows / 6 inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses	AFCEE Lithology Code	Depth in Feet	Recovery / Sample Loc.	Contact
KAFB-RB11-03-0307 KAFB-RB11-99-0307	BR		24/24		G	0	RAD* x2	SPSL	0		
				18/24			Metals, Hg, CN, soil pH/moisture x2 RAD* x2		1		
			24/24				RAD* x2		2		
				21/24			VOC, GRO x2 SVOC, DRO x2		3	SM	
(See next Page)	BR		24		G	0	RAD* Metals, Hg, CN, soil pH/moisture RAD*		4 5 6 7 8 9 10		

LITHOLOGIC DESCRIPTIONS

Light brown (7.5YR 7/4) very fine grained silty sand (SM); dry, loose silt comprises approximately 20% of total volume; coarse fraction (approximate 1-2% of total volume) (maximum observed diameter = 0.15" [3.81 mm, -2ϕ]) consists of subangular to subrounded granitic rock fragments.

At 8', lithology as above, color change to 7.5 YR 6/4, maximum pebble diameter = 0.5" [12.70 mm, -4 ϕ].

*- RAD = Ra^{226}, Ra^{228}, Gross α, Gross β

Project / Job No.: 2A96 Borehole/Well No.: RB11-04

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recvd	Sample Cond.	PID (N)/FID	Analysis	AFCEE Labeling Code	Depth (ft)	Recovery	Content	
312	BR		24		G	O		SDSL			SM	= 0.35" [8.89 mm, -3 ϕ]) consists of subangular granitic rock fragments (approximately 80% of coarse fraction), angular to subangular quartz (approximately 10% of coarse fraction), angular to subangular dark igneous/metamorphic rock fragments (approximately 5% of coarse fraction), and medium gray subrounded to rounded limestone (approximately 5% of coarse fraction).
KAFB-RB11-04							RAD*		1			
							VOC, GRO					
				21			SVOC, DRO	SDMD	2		SP	
									3			
									4			
								?	5		?	At 10', medium to light brown (10YR 6/4) predominately very fine grained (ranging to medium grained) silty sand (SM); dry, medium density; sand grains are angular to subround; silt comprises approximately 25% of total volume; coarse fraction (approximately 1% of total volume) (maximum observed diameter = 0.30" [7.62 mm, -3 ϕ]) consists of subangular granitic rock fragments (approximately 33% of coarse fraction), clear subangular quartz (approximately 33% of coarse fraction), and angular to subangular dark igneous/metamorphic rock fragments (approximately 33% of coarse fraction).
									6			
									7			
									8		SM/SW	
KAFB-RB11-04-1822	BR		24/24		G	O	RAD*, SVOC, DRO	OTHR SDMD	9		SP	
							metals, SVOC to USEPA					
				21/2			metals, Hg, CN, soil pH/moisture		0			
			24				RAD*	OTHR			GM	
							VOC to USEPA		1			
							VOC, GRO					
				24			RAD*	SDMD	2		SW	
									TD= 22'			
									3			At 12', well sorted medium to coarse-grained sand (SP); dry, medium density; sand grains are subangular to subrounded; silt comprises less than 5% of total volume; coarse fraction (approximately 1 to 2% of total volume) (maximum observed diameter = 0.15" [3.81 mm, -2 ϕ]) consists of subangular granitic rock fragments (approximately 80% of coarse fraction) and subangular dark igneous/metamorphic rock fragments (approximately 20% of coarse fraction; color not amenable to description using Munsell Color Chart.
									4			
									5			
									6			
									7			
									8			
									9			
									0			

Note: Could not penetrate past 22'; moved west of Boring RB11-04(A) hole to obtain additional sample aliquot from 18- to 20-foot interval.

* RAD = Ra^{226}, Ra^{228}, Gross α, Gross β.

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: 2A96

Borehole/Well No.: RB11-04

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recv'd	Sample Cond.	HNu/FID	Analysis	Lithology Code	Depth (ft)	Recovery	Context
									1		
									2		
									3		
									4		
									5		
									6		
									7		
									8		
									9		
									0		
									1		
									2		
									3		
									4		
									5		
									6		
									7		
									8		
									9		
									0		

At 18', medium brown (10 YR 6/4) very fin to fine grained silty sand (SM) with gra (SW); dry, medium density; sand grains are angular to subrounded; silt comprises approximately 30% of total volume; coarse fraction (approximately 20% of total volume) (maximum observed diameter = 0.35" [8.89 mm, -3 ϕ]) consists of subangular granitic rock fragments (approximately 70% of coarse fraction), subrounded to rounded medium gray limestone (approximately 10% of coarse fraction), subangular to subrounded clea quartz (approximately 10% of coarse fraction), and angular to subangular dark igneous/metamorphic rock fragments (approximately 10% of coarse fraction).

At 18.5', medium brown (10 YR 6/4) fine to very coarse grained sand (SP); dry, medium density; sand grai are angular to subrounded; silt comprises approximately 5% of total volume; coarse fraction (approximately 2-3% of total volume) (maximum observed diameter = 0.15" [3.81 mm, -2 ϕ]) consists of subangular granitic rock fragments and dark igneous/metamorphic rock fragments. A granitic gneiss pebble greater than 1.25" (31.75 mm) in diameter was recovered from the bottom of the 20' push.

At 20', gravel/silt mixture; silt comprises approximately 60% of total volume; gravel comprises approximately 40% of total volume; coarse fraction (maximum observed diameter = 1.25" [31.75 mm, -5 ϕ]) consists of angular granitic rock fragments (approximately 75% of coarse fraction), quartz (approximatel

Project / Job No.: 2A96 Borehole/Well No.: RB11-05

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	(ppm) PID	Analysis	AREC Labcode / Code		Depth (ft)	Recovery	Contact	
B12	BR		24		G	0			GVLG			GM	volume; coarse fraction (approximately
							RAD *						10% of total volume) (maximum observed
KAFB-RB11-0							VOC, GRO			1			diameter = 0.90" [22.86 mm, -4 ϕ])
				15			SVOC, DRO						consists of gray to clear subangular
									UNES	2			quartz (approximately 75% of coarse
													fraction), subangular dark gray to black
										3			igneous/metamorphic rock fragments
	NOTE: Aliquot for radiological analysis												(approximately 15% of coarse fraction),
	in 10.5- to 11-foot interval also includes									4			and medium gray subrounded limestone
	material from 8- to 8.5-foot interval												(approximately 10% of coarse fraction).
	(necessary to achieve requisite									5			At 10', medium brown (10YR 6/3)
	sample volume).												sandy silty gravel (GM); dry, low to
										6			medium density; sand comprises
												NOT LOGGED	approximately 15% of total volume;
										7			sand grains are angular to subangular;
													silt comprises approximately 35%
	BR		24		G	0	RAD *			8		GW	of total volume; coarse fraction
B12							RAD *						(approximately 50% of total volume)
							metals, Hg, CN, soil PH/moisture			9			(maximum observed diameter = 0.45"
KAFB-RB11-05-1012				24			RAD *						[11.43 mm, -3 ϕ]) is typically granule-
			24						SDSL	0		SM	sized and consists of subangular to
							VOC, GRO			1			subrounded granitic rock fragments
							SVOC, DRO						(approximately 75% of coarse fraction),
				21						2			angular quartz (approximately 15%
										TD = 22'			of coarse fraction), and dark
										3			igneous/metamorphic rock fragments
													(approximately 10% of coarse fraction).
										4			At 18', light brown (10 YR 6/6) well-graded
													sandy gravel (GW); dry, medium
										5			density; sand comprises approximately
													40% of total volume; sand grains are
										6			generally subrounded and range in size
													from fine to coarse; coarse fraction
										7			(approximately 60% of total volume)
													(ranging generally in size from 0.10"
										8			to 0.15" [2.54 mm to 3.81 mm, -2 ϕ])
													consists of subangular to subrounded
										9			granitic rock fragments (60% of
													coarse fraction), subangular to sub-
										0			rounded dark igneous/metamorphic

* RAD = Ra^{226}, Ra^{228}, Gross α, Gross β

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BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION
See Figure for RB-11 Site Map.

Project: KAFB Stage 2D	Borehole/Well No: RB11-05
	Job No: 2A96
Logged By: R. Rexroad	Edited By:
Project Manager: E. Agoston	Drill Rig: Geoprobe #2
Drilling Contractor: BRE	
Driller/Helper: S. Camp / L. Warren	
Drilling Method: Geoprobe Construction Method Code = (V) (driven), HA = Hand Augered	
Sample Method: Brass Rings (BR)	
Hammer Weight/Drop: NA	Borehole Diameter: 1.375"
Started, Time: 1200	Date: 7-15-94
Completed, Time: 1340	Date: 7-15-94

Notes:

(HNu)/FID	Background →			(background = 1 ppm)
β-γ (cpm)	Background →			(background = 80-100 cpm)
Time	1215	1228	1330	
Date	7-15-94 →			

Total Depth: 22' Casing Depth: N/A
Screened Interval: N/A
Sand Pack, #3: N/A #0: N/A
Well Development Method:
Time: N/A Date: N/A Flow Rate: N/A
Geophysical Logs, Type:
By: N/A Date: N/A

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	(HNu)/FID Reading	Analyses	AFCEE Lithology Code	Depth in Feet	Recovery / Sample Loc.	Contact / USCS Code
KAFB-RB11-0307	BR		24		G	0	RAD *	SDSL	1		
							metals, Hg, CN, Soil pH/moisture		2		
				80			RAD *		3		SM
			24						4		
							RAD *		5		
							VOC, GRO		6		
				21			SVOC, DRO		7		
									8		
(See next page)	BR		24		G	0	RAD *		9		
							metals, Hg, CN, Soil pH/moisture				
				22			RAD *		10		

LITHOLOGIC DESCRIPTIONS

Medium brown (10 YR 5/6) very fine grained Silty Sand (SM); dry, loose; sand grains are angular to subangular; silt comprises approximately 15-20% of total volume; coarse fraction (approximately 1% of total volume) (maximum observed diameter = 0.25" [6.35 mm, -3 ϕ]) consists of subangular to subrounded granitic rock fragments. Silt content increases to approximately 30% of total volume at 7'.

Light brown (10 YR 7/4) very fine grained Silty Sand (SM); dry, medium density; sa grains are angular to subangular; silt comprises approximately 25% of total

* RAD = Ra^{226}, Ra^{228}, Gross α, Gross β

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION

See Figure for RB11 Site Map

Project: KAFB Stage 2D

Borehole/Well No: RB11-06

Job No: 2A96

Logged By: R. Rexroad

Edited By:

Project Manager: E. Agoston

Drill Rig: Geoprobe 2

Drilling Contractor: BRE

Driller/Helper: S. Camp / L. Warren

Drilling Method: Geoprobe Construction Method Code = (V)(driven), HA = Hand Augered

Sample Method: Brass Rings (BR)

Hammer Weight/Drop: N/A

Borehole Diameter: 1.375 "

Started, Time: 0850 Date: 7-15-94

Completed, Time: 1010 Date: 7-15-94

Notes:

HNu/FID **	6, 3, 3, 0 →	background →		(background = 1 ppm)	
β-γ (cpm)	background →			(background = 80-100 CPM)	
Time	0849	0912	1000		
Date	7-15-94 →				

Total Depth: 22' Casing Depth: N/A

Screened Interval: N/A

Sand Pack #3: N/A #0: N/A

Well Development Method:

Time: N/A Date: N/A Flow Rate: N/A

Geophysical Logs, Type:

By: N/A Date: N/A

Sample ID	Sampler Type / depth	Blows / 6 inch	Inches Driven	Inches Recovered	Sample Condition / ROD	HNu/FID Reading **	Analyses	Area Lithology Code	Depth in Feet	Recovery / Sample Loc.	Contact / USCS Code
KAFB-RB11-06-0307	BR		24		G	6	VOC, GRO	SDSL	1		
				14		3	SVOC, DRO		2		
			24			0	RAD *		3		SM
						0	metals, Hg, CN		4		
						0	soil pH/moisture		5		
						0	RAD *		6		
				24		0	RAD *		7		
								SDVF/SDFG	8		SP
(See next page)	BR		24		G	0			9		
				21					10		

Medium brown (10YR 6/4) very fine grained silty sand (SM); dry, loose; sand grains are angular to subangular; silt comprises approximately 20-25% of total volume; coarse fraction (approximately 1% of total volume) (maximum observed diameter: 0.20" [5.08 mm, -2 Φ]) consists of subangular granitic rock fragments (approximately 80% of coarse fraction), angular clear quartz (approximately 10% of coarse fraction), and subrounded medium gray limestone (approximately 10% of coarse fraction.

At 8', light brown (10YR 6/6) very fine grained to fine grained sand (SP); dry, medium density; sand grains are angular to subangular;

* RAD = Ra^{226}, Ra^{228}, Gross α, Gross β

** Used HNU below 5' due to OVA (FID) malfunction

Project / Job No.: 2A96 Borehole/Well No.: RB11-05

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recv'd	Sample Cond.	ID/FID	Analysis	Lithology Code		Depth (ft)	Recovery	Contact
										0		
										1		
										2		
										3		
										4		
										5		
										6		
										7		
										8		
										9		
										10		
										11		
										12		
										13		
										14		
										15		
										16		
										17		
										18		
										19		
										20		

rock fragments (approximately 20% of coarse fraction), white to clear subangular to subrounded quartz (approximately 15% of coarse fraction), and subangular medium gray limestone (approximately 5% of coarse fraction). At 20', light brown (10YR 6/6) very fine grained to fine grained silty sand (SM dry, medium density; sand grains are angular to subangular; silt comprises approximately 25 to 30% of total volume, coarse fraction (less than 1% of total volume) (maximum observed diameter = 0.15" [3.81 mm, -2 ϕ]) consists of subangular granitic rock fragments. At 22', the coarse fraction (1 to 2% of total volume) (maximum observed diameter = 0.20" [5.08 mm, -2 ϕ]) consists of subangular granitic rock fragments (approximately 75% of coarse fraction) and angular clear quartz (approximately 25% of coarse fraction).

Richard Kerr, P.G.
0000901 - State of Florida

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	PID/FID	Analysis	Lithology Code		Depth (ft)	Recovery	Contact

Project / Job No.: 2A96 Borehole/Well No.: RB 11-06

Notes:

(approximately 25% of coarse fraction), and angular dark to medium gray igneous/metamorphic rock fragments (approximately 5% of coarse fraction).

At 20', medium brown (10YR 6/6) very fine grained silty sand (SM); dry, medium density; sand grains are angular to subangular; silt comprises approximately 15 to 20% of total volume; coarse fraction (approximately 1% of total volume) (maximum observed grain diameter = 0.30" [7.62 mm, -3ΦJ) consists of subangular granitic rock fragments (approximately 90% of coarse fraction) and angular dark igneous/metamorphic rock fragments (approximately 10% of coarse fraction).

Robert Reysad P.G.
0000901 - State of Florida

Project / Job No.: 2A96 Borehole/Well No.: RB11-06

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	(1Hy)PID	Analysis	AFCEE Lithology Code	Depth (ft)	Recovery	Contact
KAFB-RB11-04-0812	BC		24		G	0	RAD*	SDVF/SDFG	11	SP	
							VOC, GRO				
				22			SVOC, DRO	OTHER	2	SM/SW	
								UNCS	3		
									4		
									5	NOT LOGGED	
									6		
									7		
									8	SW	
KAFB-RB11-06-1822	BR		24		G	0	RAD*	SDGR	9		
							metals, Hg, CN, soil pH / Moist.				
				19			RAD*		20	SM	
			24					SDSL	1		
							RAD*				
							VOC, GRO				
				22			SVOC, DRO		2		TD = 22'
									3		
									4		
									5		
									6		
									7		
									8		
									9		
									0		

silt comprises approximately 10% of total volume; coarse fraction (approximately 1% of total volume) (maximum observed diameter = 0.25" [6.35 mm, -3 ϕ]) consists of subangular granitic rock fragments (approximately 65% of coarse fraction), angular to subangular clear quartz (approximately 25% of coarse fraction), and angular to subangular dark igneous/metamorphic rock fragments (approximately 10% of coarse fraction).

At 12', medium to dark brown (10YR 4/4) very fine grained to fine grained silty sand (SM) with gravel (SW); dry, medium density; sand grains are subangular to angular, silt comprises approximately 20% of total volume; coarse fraction (approximately 30% of total volum (maximum observed diameter = 0.5" [12.7 mm, -4 ϕ]) consists of subangular to rounded granitic rock fragments (approximately 50% of coarse fraction), subangular to subrounded quartz (approximately 40% of coarse fraction), and medium gray rounded limestone (approximately 10% of coarse fraction).

At 18', light brown (10YR 6/3) very fine grained to very coarse grained sand with gravel (SW); dry, medium density; sand grains are subangular to rounded; coarse fraction (approximately 25% of total volume) (maximum observed diameter = 0.25" [6.35 mm, -3ϕ]) consists of granule-to small pebble-sized fragments of subangular to subrounded granitic roc fragments (approximately 70% of coarse fraction), subangular clear quartz

* RAD = Ra^{226}, Ra^{228}, Gross α, Gross β

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recv'd	Sample Cond.	PID (PID)	Analysis	AFCEE Lithology Code	Depth (ft)	Recovery	Contact
KAFB-RB11-07-0812	BR		24	22	G	0	RAD *	SOSL	11		SM
							VOC, GRO	SDGR			SW
							SVOC, DRO		2		
									3		
									4		
									15		
									6		
									7		
									8		
KAFB-RB11-07-1822	BR		24	18	G	0	metals, Hg, CN, soil pH/moisture		9		
							RAD *		20		SM/ SW
			24				RAD *	OTHR	1		
				22			VOC, GRO		2		22'
							SVOC, DRO		TD=		
									3		
									4		
									5		
									6		
									7		
									8		
									9		
									0		

of Subangular to subrounded granitic rock fragments (approximately 90% of coarse fraction), angular to subangular quartz (approximately 5% of coarse fraction), and angular to subangular dark igneous/metamorphic rock fragments (approximately 5% of coarse fraction).

At 11', medium brown (7.5 YR 6/4) medium grained sand with gravel (SW); dry, medium density; sand grains are angular to subangular; silt comprises approximately 10% of total volume; coarse fraction (approximately 30% of total volume) (maximum observed diameter = 0.45" [11.43 mm, -3 Φ]) consists of subangular to subrounded granitic rock fragments and quartz (approximately 95% of coarse fraction) and angular to subangular dark igneous/metamorphic rock fragments (approximately 5% of coarse fraction).

At 18', very fine to coarse grained sand with gravel (SW); dry, medium density; sand grains are angular to subangular; silt comprises approximately 10% of total volume; coarse fraction (approximately 15-20% of total volume) (maximum observed diameter = 0.4" [10.16 mm, -3 Φ]) consists of subangular to subrounded granitic rock fragments (approximately 90% of coarse fraction), angular to subangular quartz (approximately 5% of coarse fraction), and angular to subangular dark igneous/metamorphic rock fragments (approximately 5% of coarse fraction.

At 20', very fine to medium grained silty sand (SM) with gravel (SW); dry, medium density; sand grains are angular to subrounded; silt comprises approx-imately 15% of total volume; coarse

* - RAD = Ra^{226}, Ra^{228} Gross α, Gross β

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION

See Figure for RB11 Site Map.

Project: KAFB Stage 2D	Borehole/Well No: RB11-07
	Job No: 2A96
Logged By: R. Rexroad	Edited By:
Project Manager: E. Agoston	Drill Rig: Geoprobe #2
Drilling Contractor: BRE	
Driller/Helper: S. Cump / L. Warren	
Drilling Method: Geoprobe Construction Method Code = (V)(driven), HA = Hand Augered	
Sample Method: Brass Rings (BR)	
Hammer Weight/Drop: N/A	Borehole Diameter: 1.375"
Started, Time: 1320	Date: 7-12-94
Completed, Time: 1505	Date: 7-12-94

Notes:

HNu/(FID)	Background →		→	(Background = 1-2 PPM)
β-γ (cpm)	Background →		→	(Background = 80-100 cpm
Time	1335	1400	1456	
Date	7-12-94	7-12-94	7-12-94	

Total Depth: 22' Casing Depth: N/A

Screened Interval: N/A

Sand Pack, #3: N/A #0: N/A

Well Development Method:

Time: N/A Date: N/A Flow Rate: N/A

Geophysical Logs, Type:

By: N/A Date: N/A

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/(FID) Reading	Analyses	AFCEE Lithology Code	Depth in Feet	Recovery / Sample Loc.	Contact / USCS Code
KAFB-RB11-07-0357	BR		24		G	0	RAD*	SDSL	0		
							metals, Hg, CN, soil pH/moisture		1		
				21			RAD*		2		
			24						3		SM
							RAD*		4		
							VOC, GRO		5		
				21			SVOC, DRO		6		
									7		
	BR		24		G	0			8		
							RAD*		9		
(See next page)				21			metals, Hg, CN, soil pH/moisture				
							RAD*		10		

Light brown (10 YR 6/4) very fine grained silty sand (SM); dry, loose; sand grains are angular to subangular; silt comprises approximately 25 to 30 % of total volume; no coarse fraction (i.e., coarser than sand) present in 3-5' interval.

Within the 5-7' interval, a coarse fraction (much less than 1% of total volume X maximum observed diameter = 0.45" [11.43 mm, -3 ϕ]) consisting of subangular to subrounded granitic rock fragments is present.

At 8', similar lithology as above; color change to 7.5 YR 6/4; coarse fraction (approxima 1% of total volume X maximum observed diameter = 0.20" [5.08 mm, -2 ϕ]) consists

* RAD = Ra^{226}, Ra^{228}, Gross α, Gross β

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION

See Figure for RB11 Site Map

Project: KAFB Stage 2D	Borehole/Well No: RB11-08
	Job No: 2A96
Logged By: R. Rexroad	Edited By:
Project Manager: E. Agoston	Drill Rig: Geoprobe #2
Drilling Contractor: BRE	
Driller/Helper: S. Camp / L. Warren	
Drilling Method: Geoprobe Construction Method Code = (V driven), HA = Hand Augered	
Sample Method: Brass Rings (BR)	
Hammer Weight/Drop: N/A	Borehole Diameter: 1.375"
Started, Time: 1330	Date: 7-14-94
Completed, Time:	Date:

Notes: All samples collected from Boring RB11-8(A), except KAFB-RB11-90-0307 and VOC aliquots and 1 radiological aliquot from Sample KAFB-RB11-08-1822 (from Boring RB11-8(B)).

(HNu/FID)	background →				(background = 1615 ppm)
β-γ (cpm)	background →				(background = 80-100 CPM)
Time	1346	1410	1529	1549	
Date	7-14-94 →				

Total Depth: 22' | Casing Depth: N/A

Screened Interval: N/A

Sand Pack, #3: N/A | #0: N/A

Well Development Method:

Time: N/A | Date: N/A | Flow Rate: N/A

Geophysical Logs, Type:

By: N/A | Date: N/A

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	(HNu/FID Reading)	Analyses	AFCEE Lithology Code	Depth in Feet	Recovery / Sample Loc.	Contact / USCS Code	LITHOLOGIC DESCRIPTIONS
KAFB-RB11-08-0307 KAFB-RB11-90-0307	BR		24/24		G	0	RAD *	SDSL	1			Light brown (10YR 6/6) very fine grained silty sand (SM); dry, loose; sand grains are angular to subangular; silt comprises approximately 25% of total volume; no coarse fraction (i.e., coarser than sand) present.
				19/24			metals, Hg, CN, soil pH/moisture; RAD *		2			
			24/24						3		SM	
							RAD *		4			
							VOC, GRO		5			At 5', similar lithology as above, but with coarse fraction (approximately 1-2% of total volume) (maximum observed diameter = 0.4" [10.16 mm, -3 ϕ]) consisting of subangular granitic rock fragments (approximately 75% of coarse fraction) and subrounded gray limestone (approximately 25% of coarse fraction).
				8/24			SVOC, DRO		6			
									7			
(See next Page)	BR		24		G	0	RAD *		8			At 8', light brown (10YR 6/4) very fine grained to fine grained silty sand (SM), similar to above; coarse fraction (much
				20			metals, Hg, CN, soil pH/moisture; RAD *		9			
									10			

* RAD = Ra^{226}, Ra^{228}, Gross α, Gross β

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	If N=/FID	Analysis	Lithology Code		Depth (ft)	Recovery	Contact

Project / Job No.: 2A96

Borehole/Well No.: RB11-07

Notes:

fraction (approximately 25-30% of total volume) (maximum observed diameter = 0.60" [15.24 mm, -4 ϕ]) consists of subangular to subrounded granitic rock fragments (approximately 85% of coarse fraction), angular to subangular quartz (approximately 5% of coarse fraction), angular to subangular dark igneous/metamorphic rock fragments (approximately 5% of coarse fraction) and medium gray, rounded limestone (approximately 5% of coarse fraction).

Richard Rexroad, PG.
0000901 - State of Florida

HALLIBURTON NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: 2A96

Borehole/Well No.: RB11-08

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	Hnu/FID	Analysis	Lithology Code		Depth (ft)	Recovery	Contact
										1		
										2		
										3		
										4		
										5		
										6		
										7		
										8		
										9		
										0		
										1		
										2		
										3		
										4		
										5		
										6		
										7		
										8		
										9		
										0		

Notes:

= 0.40" [10.16 mm, -3 Φ]) consists of subangular to subrounded granitic rock fragments (greater than 80% of coarse fraction), angular to subangular clear quartz (approximately 10% of coarse fraction), subrounded medium gray limestone (approximately 5% of coarse fraction), and angular to subangular dark igneous/metamorphic rock fragments (approximately 2-3% of coarse fraction).

Richard Rezvani, P.G.
0000901 - State of Florida

BOREHOLE / WELL CONSTRUCTION LOG (coal)

Project / Job No.: 2A96 | Borehole/Well No.: RB11-08

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	PID (Ppm)	Analysis	AFCEE Lithology Code	Depth (ft)	Recovery	Contact
KAFB-RB11-08-0812	BR		24		G	0	RAD *	SDSL / OTHR	0		SM
							VOC, GRO		1		SM/SW
				21			SVOC, DRO		2		
								UNCS	3		
									4		
									5	NOT LOGGED	
									6		
									7		
									8		SM/SW
KAFB-RB11-08-1822	BR		24/24				SVOC/DRO, VOC/GRO	OTHR	9		
				13/21			metals, SVOC, VOC to USEPA		0		
							metals/Hg/CN/Soil pH/moisture, RAD *				
			24					SDGR			GW
							RAD *		1		
				13			RAD *		2		
									TD= 22'		
									3		
									4		
									5		
									6		
									7		
									8		
									9		
									0		

less than 1 % of total volume) consists of angular granitic rock fragments.

At 10.5', very fine grained to coarse grained silty sand (SM) with gravel (SW); dry, medium density; sand grains are angular to subround; silt comprises approximately 15-20 % of total volume; coarse fraction (approximately 15-20% of total volume)(maximum observed diameter = 0.25" [6.35mm, -3 ϕ]) consists of subangular granitic rock fragments (approximately 70% of coarse fraction), angular to subangula quartz (approximately 15 % of coarse fraction), subrounded gray limestone (approximately 10% of coarse fraction), and angular to subengular dark igneous/ metamorphic rock fragments (approximately 5 % of coarse fraction).

At 18', very fine to very coarse grained silty sand (SM) with gravel (SW); dry, medium density; sand grains are angular to subround. Silt comprises approximately 15% of total volume; Coarse fraction (approximately 35 % of total volume)(maximum observed diameter = 0.40" [10.16 mm, -3 ϕ]) consists of subangular granitic rock fragments (approximately 75% of coarse fraction), subangular quartz (approximately 10% of coarse fraction), subangular medium to dark gray limestone (approximately 10% of coarse fraction), ar^n dark igneous/metamorphic rock fragments (approximately 5% of coarse fraction).

At 20', silty sandy gravel (GW); dry, low to medium density; silt comprises approximately 10% of total volume; sand comprises approximately 40 % of total volume; sand grains are angular to subrounded; coar. fraction (approximately 50% of total volume)(maximum observed diameter

* - RAD = Ra^{226}, Ra^{228}, Gross α, Gross β

HAMBURTON ENVIRONMENTAL CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: 0A96

Borehole/Well No.: RB11-09

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recvd	Sample Cond.	PID/FID	Analysis	Analysis Laboratory / Code	Depth (ft)	Recovery	Contact
(See preceding Page)	BR		24		G	0	SVOC, DRO	SDSL			SM
							VOC, GRO		1		
				24				UNCS	2		
									3		
									4		
									5		NOT LOGGED
									6		
									7		
									8		SM/SW
KAFB-RB11-09-1822	BR		24		G	0	RAD*	other	9		
							metals, Hg, CN, soil pH/chloride				
				18			RAD*		0		SM
			24					SDSL			
							RAD*		1		
							VOC, GRO				
				21			VOC, DRO		2		
									TD= 22'		
									3		
									4		
									5		
									6		
									7		
									8		
									9		
									0		

At 12', medium brown (10 YR 5/6) silty sand, as above, except containing a coarse fraction (approximately 1-2 % of total volume) (maximum observed diameter = 0.15" [3.81 mm, -2 ϕ]) consisting of subangular granitic rock fragments.

At 18', light brown (10 YR 6/4) very fine to fine grained silty sand (SM) with gravel (SW); dry, medium density; sand grains are angular to subangular; silt comprises approximately 15% of total volume; coarse fraction (approximately 30 % of total volume) (maximum observed diameter = 1.25" [31.75 mm, -5 ϕ]) consists of subangular to subround granitic rock fragments (approximately 35% of coarse fraction), medium gray angular quartz (approximately 35% of coarse fraction), subangular to subround medium gray limestone (approximately 20% of coarse fraction), and angular to subangular dark igneous / metamorphic rock fragments (approximately 10% of coarse fraction).

At 20', medium brown (10 YR 6/4) very fine to medium grained silty sand (SM); dry, medium density; sand grains are angular to subrounded; silt comprises approximately 15% of total volume; coarse fraction (approximately 1 % of total volume) consists of granule-sized granitic rock fragments.

Richard Record, P.G.
0000901 - State of Florida

* RAD = Ra^{226}, Ra^{228}, Gross α, Gross β

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION

See Figure for RB11 Site Map

Project: KAFB Stage 2D	Borehole/Well No: RB11-09
	Job No: 2A96
Logged By: R. Rexroad	Edited By:
Project Manager: E. Agoston	Drill Rig: Geoprobe #2
Drilling Contractor: BRE	
Driller/Helper: S. Camp / L. Warren	
Drilling Method: Geoprobe Construction Method Code = (V)(driven), HA = Hand Augered	
Sample Method: Brass Rings (BR)	
Hammer Weight/Drop: N/A	Borehole Diameter: 1.375"
Started, Time: 0730	Date: 7-14-94
Completed, Time: 0935	Date: 7-14-94

Notes: Sample KAFB-RB11-92-0307 from Boring RB11-09(B); all other Samples from Boring RB11-09(A).

(HNu/PID)	background →				(background=0
β-γ (cpm)	background →				(background = 80-100 cpm)
Time	0750	0816	0900	0924	
Date	7-14-94 →				

Total Depth: 22' Casing Depth: N/A

Screened Interval: N/A

Sand Pack #3: N/A #0: N/A

Well Development Method:

Time: N/A Date: N/A Flow Rate: N/A

Geophysical Logs, Type:

By: N/A Date: N/A

Sample ID	Sampler Type / depth	Blows / 6 inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/PID Reading	Analyses	AFCEE Lithology Code	Depth in Feet	Recovery / Sample Loc.	Contact / USCS Code	LITHOLOGIC DESCRIPTIONS
									1			
									2			
KAFB-RB11-09-0307 KAFB-RB11-92-0307	BR		24		G	0	RAD * (x2)	SOSL	3		SM	Light brown (7.5 YR 6/6) very fine grained silty sand (SM); dry, loose; sand grains are angular to subangular; silt comprises approximately 30% of total volume; no coarse fraction (i.e., coarser than sand) present in 3-5' interval.
				13/24			metals, Hg, CN, soil pH/moisture (x2)		4			
							RAD * (x2)		5			
			24									
							RAD * (x2)		6			In 7' interval, coarse fraction (much less than 1 % of total volume) consists of subangular granules of granitic rock fragments.
				22/24			VOC, GRO (x2)					
							SVOC, DRO (x2)		7			
KAFB-RB11-09-0811	BR		24		G	0	RAD *		8			Color change to light brown (7.5 YR 7/6) in 8-10' interval; lithology as above.
							RAD *					
							metals, Hg, CN, soil pH/moisture		9			
				24			RAD *		10			

* RAD = Ra^{226}, Ra^{228}, Gross α, Gross β

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: 2A96 | Borehole/Well No.: RB11-10

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	PID/FID	Analysis	AGGE Lithology Code		Depth (ft)	Recovery	Context
KAFB-RB11-10-0812	BR		24		G	0			SDSL			SM
									OTHR	11		SW/SM
				19						2		
										TD= see note 3		
										4		
										15		
										6		
										7		
										8		
										9		
										20		
										1		
										2		
										3		
										4		
										5		
										6		
										7		
										8		
										9		
										0		

Silt comprises approximately 15% of total volume; coarse fraction (approximately 3-5% of total volume) (maximum observed diameter = 0.25" [6.36 mm, -3 ϕ]) consists of subangular to subrounded granitic rock fragments (approximately 90% of coarse fraction) and angular to subangular dark igneous/metamorphic rock fragments (approximately 10% of coarse fraction).

At 11', medium brown (10YR 6/4) very fine to very coarse grained silty sand (SM) with gravel (SW); dry, medium density; sand grains are subangular to subrounded; silt comprises approximately 15% of total volume; coarse fraction (approximately 40% of total volume) (maximum observed diameter = 0.80" [20.32 mm, -4 ϕ]: typical diameter = 0.10" to 0.15" [2.54 mm to 3.81 mm, -1 to -2 ϕ]) consists of subangular to subrounded granitic rock fragments (approximately 85% of coarse fraction), angular to subangular quartz (approximately 5% of coarse fraction), medium gray subrounded to rounded limestone (approximately 5% of coarse fraction), and angular to subangular dark igneous/metamorphic rock fragments (approximately 5% of coarse fraction).

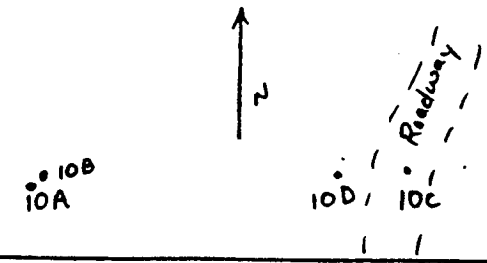
Robert Renard, P.G.
0000901 - State of Florida

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION

See Figure for RB11 Site Map.



Project: KAFB Stage 2D	Borehole/Well No: RB11-10
	Job No: 2A96
Logged By: R. Rexroad	Edited By:
Project Manager: E. Agoston	Drill Rig: Geoprobe #2
Drilling Contractor: BRE	
Driller/Helper: S. Camp & K. Crandall / L. Warren	
Drilling Method: Geoprobe Construction Method Code = (V) (driven), HA = Hand Augered	
Sample Method: Brass Rings (BR)	
Hammer Weight/Drop: N/A	Borehole Diameter: 1.375"
Started, Time: 1510	Date: 7-12-94
Completed, Time: 1000	Date: 7-13-94

Notes: Samples KAFB-RB11-10-0307 and KAFB-RB11-10-0812 collected from Boring RB11-10A; Sample KAFB-RB11-95-0307 collected from Boring RB11-10B; no samples collected from Borings 10C and 10D; met refusal at 13' in 10A, 16' in 10B, 1' in 10C, and 1' in 10D.

HNu/FID	background	background		1.2,2.8,2.5	(background=1
β-γ (cpm)	background	background		background	(background= 80-100 cpm)
Time	1530	1550		0900	
Date	7-12-94	7-12-94		7-13-94	

Total Depth: See Notes	Casing Depth: N/A
Screened Interval: N/A	
Sand Pack, #3: N/A	#0: N/A
Well Development Method:	
Time: N/A Date: N/A	Flow Rate: N/A
Geophysical Logs, Type:	
By: N/A	Date: N/A

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses	AFCEE Lithology Code	Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
KAFB-RB11-10-0307 KAFB-RB11-20-0307	BR		24/24		G	0,0 0,3.2 0,4.6	RAD* (o) RAD*, RAD*	SDSL	1 2 3		SM	Light brown (10YR 6/4) very fine grained silty sand (SM); dry, medium density; sand grains are angular to subangular; silt comprises approximately 20% of total volume.
				24/24		0,4.5 0,0	metals, Hg, CN Soil pH/moisture (x2) RAD*, RAD*		4			At 7', brown (10YR 5/8) very fine grained silty sand (SM) with friable caliche fragments; dry, medium density; sand grains are angular to subangular; silt comprises approximately 20-25% of total volume; coarse fraction (approximately 3-5% of total volume) (maximum observed diameter = 0.25" [6.35 mm, -3Φ]. Consists of friable caliche fragments.
						0,0 0,0	VOC, GRO (o); RAD* (dup.)		5			
			24/24			0,0	SVOC, DRO (o); VOC (dup.)		6			
				24/24			SVOC, DRO (dup.)		7			
(see next page)	BR		24		G	0	RAD*		8			At 10', medium brown (10YR 6/4) very fine to medium grained silty sand (SM); dry, medium density; sand grains are angular to subrounded;
				18			metals, Hg, CN, Soil pH/moisture RAD*		9 10			

*RAD: Ra^{226}, Ra^{228}, Gross α, Gross β

Project / Job No.: 2A96 Borehole/Well No.: RB 11-11

Notes:

Sample ID	Sampler Type	Blows / 6 inch	Inches Driven	Inches Recov'd	Sample Cond.	FN/FID	Analysis	AFCEE Lithology Code	Depth (ft)	Recovery	Context
2	BR		24		G	O	RAD *	SDSL			SM
							SVOC, DRO		11		
							VOC, GRO				
KAFB-RB11-11-				20				OTHR	2		SW/SM
								UNCS			
									3		
									4		
									15		NOT LOGGED
									6		
									7		
									8		
	BR		24		G	O					
								SDSL	9		SM
							RAD *				
				12			RAD *		20		
KAFB-RB11-11-1824			24				metals, SVOC (MS/MSD) to EPA				
							SVOC, DRO		1		
							metals, SVOC to USEPA				
				24			metals, Hg, CN, soil pH/moisture		2		
			24				RAD *				
							VOC/GRO				
							VOC/GRO to USEPA		3		
				24			VOC/GRO (MS/MSD) to USEPA				
									4		
									TD= 24'		
									25		
									6		
									7		
									8		
									9		
									30		

At 11.5', medium brown (10YR 6/6) very fine to medium grained silty sand (SM) with gravel (SW); dry, low to medium density; Sand grains are angular to subangular; silt comprises approximately 15 % of total volume; coarse fraction (approximately 25 % of total volume) (maximum observed diameter is greater than 0.75" [19.05 mm, -4 ϕ]) consists of medium to dark gray subrounded limestone.

At 19', medium brown (10YR 6/6) predominately very fine grained (ranging to medium grained) silty sand (SM); dry, medium density; Sand grains are angular to subround; silt comprises approximately 30% of total volume; coarse fraction (approximately 5% of total volume) (maximum observed diameter = 0.60" [15.24 mm, -4 ϕ]) consists of subangular to subrounded granitic rock fragments (approximately 80% of coarse fraction) and subangular to subrounded dolomite/limestone (approximately 20% of coarse fraction).

In 20- to 24-foot interval, coarse fraction comprises less than 1 % of total volume and consists of subangular to subround granitic rock fragments.

Richard Penrod, P.G.
0000901 - State of Florida

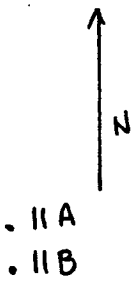
* RAD = Ra^{226}, Ra^{228}, Gross α, Gross β

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION

See Figure for RB11 Site Map.



Project: KAFB Stage 2D	Borehole/Well No: RB11-11
	Job No: 2A96
Logged By: R. Rexroad	Edited By:
Project Manager: E. Agoston	Drill Rig: Geoprobe #2
Drilling Contractor: BRE	
Driller/Helper: S. Camp / L. Warren	
Drilling Method: Geoprobe Construction Method Code = (V)(driven), HA = Hand Augered	
Sample Method: Brass Rings (BR)	
Hammer Weight/Drop: N/A	Borehole Diameter: 1.375"
Started, Time: 0800	Date: 7-18-94
Completed, Time: 1040	Date: 7-18-94

Notes: All samples collected from Boring RB11-11(A), except aliquots for radiological analysis in Sample KAFB-RB11-11-0107 [from Boring RB11-11(B)].

(HNu/FID)	Background →			(background = 1 ppm)
β-γ (cpm)	Background →			(background = 80-100 cpm)
Time	1027	0840	0950	
Date	7-18-94 →			

Total Depth: 24' Casing Depth: N/A

Screened Interval: N/A

Sand Pack, #3: N/A #0: N/A

Well Development Method:

Time: N/A Date: N/A Flow Rate: N/A

Geophysical Logs, Type:

By: N/A Date: N/A

Sample ID	Sampler Type / depth	Blows / 6 inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analytes	AFCEE Lithology Code	Depth in Feet	Recovery / Sample Loc.	Context/USCS Code
								SDSL			
KAFB-RB11-11-0107 (Includes MS/MSD Samples)	BR		24/24		G	0	metals, Hg, CN (MS)		1		SM
							RAD *; metals, Hg, CN, soil pH/moist.		2		
				19/18			RAD *(MS); Hg, CN, metals (MSD)		3		
			24/24				RAD *(MSD)				
							RAD *(MS), SVOC/DRO(MS)		4		
							RAD *; SVOC; DRO				
				20/24			RAD *(MSD), SVOC/DRO(MSD)		5		
			24/24								
							RAD *(MS); VOC/GRO(MS)		6		
							RAD *; VOC/GRO				
				24/24			RAD *(MSD); VOC/GRO(MSD)		7		
									8		
(See next page)	BR		24		G	0	RAD *				
							metals, Hg, CN Soil pH/moisture		9		
				18			RAD *		10		

Light brown (7.5 YR 7/4) very fine to fine grained silty sand (SM); dry, loose; sand grains are angular to subround; silt comprises approximately 15% of total volume; coarse fraction (approximately 1% of total volume) (maximum observed diameter = 0.15" [3.81 mm, -2 ϕ]) consists of sub-angular to subrounded granitic rock fragments.

Increased silt content (to approximately 25 to 30% of total volume) and color change (medium brown, 10 YR 6/6) in 3- to 5-foot interval.

As above; also recovered 1"-diameter (25.4 mm, -4 ϕ) medium gray Subround limestone pebble.

LITHOLOGIC DESCRIPTIONS

* RAD = Ra^{226}, Ra^{228}, Gross α, Gross β

Project / Job No.: 2A96 Borehole/Well No.: RB11-12

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	PID/FID	Analysis	ASCC Loading Code	Depth (ft)	Recovery	Contact
KAFB-RB11-12-0012	BR		24		G	0		OTHR			SM/SW
							RAD *				
				22			VOC, GRO	SDGR	1		SW
							SVOC, DRO		2		
									3		
									4		
									5		
									6		
									7		
								SDSL	8		SM
KAFB-RB11-12-1824	BR		24		G	0					
				15			RAD *		9		
							metals, Hg, CN, soil pH/moisture		0		
			24				RAD *				
							metals, SVOC to USEPA		1		
				24			SVOC, DRO				
							RAD *		2		
			24								
							VOC to USEPA		3		
				21			VOC, GRO		4		
									TD = 24'		
									5		
									6		
									7		
									8		
									9		
									0		

Subangular to subrounded granitic rock fragments.

At 10', light brown (10YR 7/2) very fine to coarse grained silty sand (SM) with gravel (SW); dry, medium density; sand grains are angular to subrounded; silt comprises approximately 15% of total volume; coarse fraction (approximately 15-20% of total volume) (maximum observed diameter = 0.5" [12.78 mm, -4 ϕ]) consists of subangular granitic rock fragments (approximately 80% of coarse fraction), medium gray rounded limestone (approximately 10% of coarse fraction), and angular to subangular dark igneous/metamorphic rock fragments.

At 11', light brown (10YR 6/3) fine grained to very coarse grained sand with granules (SW); dry, medium density; sand grains are subangular to rounded; coarse fraction (approximately 40% of total volume) (maximum observed diameter = 0.20" [5.08 mm, -2 ϕ]) consists of subangular to subrounded generally granule-sized fragments of feldspar (approximately 65% of coarse fraction), quartz (approximately 30% of coarse fraction) and dark igneous/metamorphic rock fragments (approximately 5% of coarse fraction); biotite flakes also present.

At 19', medium brown (10YR 5/6) very fine to coarse grained silty sand (SM); dry, low to medium density; sand grains are angular to subrounded; silt comprises approximately 15% of total volume; coarse fraction (approximately 10% of total volume) (maximum observed diameter = 0.20" [5.08 mm, -2 ϕ])

* RAD = Ra^{226}, Ra^{228}, Gross α, Gross β

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BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION

See Figure for RB11 Site Map.

Project: KAFB Stage 2D	Borehole/Well No: RB11-12
	Job No: 2A96
Logged By: R. Rexroad	Edited By:
Project Manager: E. Agaston	Drill Rig: Geoprobe #2
Drilling Contractor: BRE	
Driller/Helper: S. Camp / L. Warren	
Drilling Method: Geoprobe Construction Method Code = (V)(driven), HA = Hand Augered	
Sample Method: Brass Rings (BR)	
Hammer Weight/Drop: N/A	Borehole Diameter: 1.375"
Started, Time: 0950	Date: 7-14-94
Completed, Time: 1215	Date: 7-14-94

Notes: Sample KAFB-RB11-12-0307 from Boring RB11-12(A); all other Samples from Boring RB11-12(B).

(HNu)/FID	Background →			(background = 0-1 ppm)
β-γ (cpm)	Background →			(background = 80-100 cpm)
Time	1020	1054	1158	
Date	7-14-94 →			

Total Depth: 24' Casing Depth: N/A

Screened Interval: N/A

Sand Pack, #3: N/A #0: N/A

Well Development Method:

Time: N/A Date: N/A Flow Rate: N/A

Geophysical Logs, Type:

By: N/A Date: N/A

Sample ID	Sampler Type / depth	Blows / 6 inch	Inches Driven	Inches Recovered	Sample Condition / RQD	(HNu)/FID Reading	Analyses	AFCEE Lithology Code	Depth in Feet	Recovery / Sample Loc.	Contact / USCS Code
KAFB-RB11-12-0307	BR		24		G	0	RAD*	SDGR	1		SW
				20			metals, Hg, CN, soil pH/moisture; RAD*	SDSL	2		
			24				RAD*		3		SM
				22			VOC, GRO; SVOC, DRO		4		
									5		
(See next page)	BR		24		G	0	RAD*		6		
				22			metals, Hg, CN, soil pH/moisture; RAD*	OTHR	7		SM/SW
									8		
									9		
									10		

LITHOLOGIC DESCRIPTIONS

Light gray (7.5YR 7/2) very fine to medium grained sand, with gravel (SW); dry, loose; sand grains are angular to subround; coarse fraction (approximately 35-40% of total volume) (maximum observed diameter = 0.55" [13.97 mm, -4 ϕ]) consists of subangular to subrounded granitic rock fragments (approximately 85% of coarse fraction) and medium gray subrounded limestone (approximately 15% of coarse fraction). At 3.5', medium brown (10YR6/4) very fine grained silty sand (SM); dry, loose; sand grains are angular to subangular; silt comprises approximately 30% of total volume; coarse fraction (approximately 1% of total volume) (maximum observed diameter = 0.15" [3.81 mm, -2 ϕ]) consists of

* RAD = Ra^{226}, Ra^{228}, Gross α, Gross β

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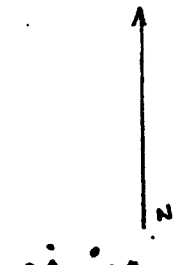
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION

See Figure for RB11 Site Map



Project: KAFB Stage 2D	Borehole/Well No: RB11-13
	Job No: 2A96
Logged By: R. Rexroad	Edited By:
Project Manager: E. Agoston	Drill Rig: Geoprobe # 2
Drilling Contractor: BRE	
Driller/Helper: K. Crandall / L. Warren	
Drilling Method: Geoprobe Construction Method Code - (V)(driven), HA = Hand Augered	
Sample Method: Brass Rings (BR)	
Hammer Weight/Drop: N/A	Borehole Diameter: 1.375"
Started, Time: 1040	Date: 7-13-94
Completed, Time: 1625	Date: 7-13-94

Notes: within Sample KAFB-RB11-13-0109, Sample aliquots for (2) radiological analyses and voc/GRO analyses taken from Boring RB11-13(B); all other aliquots and samples taken from Boring RB11-13(A).

HNu/FID **	background →			(background = 1-2 ppm)
β-γ (cpm)	background →			(background = 80-100 cpm)
Time	1330	1437	1600	
Date	7-13-94 →			

Total Depth: 21' Casing Depth: N/A

Screened Interval: N/A

Sand Pack, #3: N/A #0: N/A

Well Development Method:

Time: N/A Date: N/A Flow Rate: N/A

Geophysical Logs, Type:

By: N/A Date: N/A

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading **	Analyses	AFCEE Lithology Code	Depth in Feet	Recovery / Sample Loc.	Context
KAFB-RB11-13-0109 (includes MS/MSD Samples)	BR		24/24		G	0	RAD* (MSD)	SDSL	1		SM
				12/19			metals, Hg, CN (MS); RAD* (MS) metals, Hg, CN, Soil pH/moist; RAD*		2		
			24/24				RAD* (MSD)		3		
				15/21			metals, Hg, CN (MSD); RAD* (MS) RAD* (MS); RAD*		4		
			24/24				RAD* (MSD)		5		
				16/9			RAD* SVOC, DRO (MS); RAD* (MSD)		6		
			21/24				VOC/GRO (MS)		7		
				15/19			SVOC/DRO; VOC/GRO SVOC/DRO (MSD); VOC/GRO (MSD)		8		
(see next page)	BR		24		G	0	RAD*		9		
									10		

LITHOLOGIC DESCRIPTIONS

Medium brown (10 YR 5/6) very fine grained silty sand (SM); dry, loose; sand grains are angular to subangular; silt comprises approximately 25 to 30 % of total volume; no coarse fraction (i.e., coarser than sand) present.

At 9', similar lithology as above, but silt content decreases to approximately 15%, and coarse fraction (much less than 1% of total volume) (maximum observed diameter = 0.20" [5.08 mm, -2ϕ]) consisting of angular to subangular granitic rock fragments is present.

* RAD = Ra^{226}, Ra^{228}, Gross α, Gross β

** - FID malfunction observed at 11' in Boring RB11-13(A); switched to HNU.

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: 2A96

Borehole/Well No.: RB11-12

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/FID	Analysis	Lithology Code	Depth (ft)	Recovery	Contact
									1		
									2		
									3		
									4		
									5		
									6		
									7		
									8		
									9		
									0		
									1		
									2		
									3		
									4		
									5		
									6		
									7		
									8		
									9		
									0		

subangular to subrounded granitic rock fragments (approximately 80 % of coarse fraction), medium gray subrounded limestone (approximately 10 % of coarse fraction), angular to subangular quartz (approximately 5% of coarse fraction), and dark igneous/metamorphic rock fragments (approximately 5 % of coarse fraction).

At 22', silt content increases to approximately 25-30 % of total volume, and coarse fraction (maximum observed diameter = 0.30" [7.62 mm, -3 Φ]) content decreases to approximately 2-3 % of total volume; coarse fraction consists of subangular granitic rock fragments (approximately 90 % of coarse fraction), medium gray rounded limestone (approximately 10% of coarse fraction), and angular dark igneous/metamorphic rock fragments (approximately 10 % of coarse fraction).

At 24', color change to light brown (10YR 6/6); silt content decreases to approximately 20-25 % of total volume; no coarse fraction (i.e., coarser than sand) present.

Robert Reynard, P.G.
0000901 - State of Florida

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recv'd	Sample Cond.	PID/FID	Analysis	Lithology Code	Depth (ft)	Recovery	Contact
									1		
									2		
									3		
									4		
									5		
									6		
									7		
									8		
									9		
									0		
									1		
									2		
									3		
									4		
									5		
									6		
									7		
									8		
									9		
									0		

Project / Job No.: 2A96

Borehole/Well No.: RB11-13

Notes:

metamorphic rock fragments (approximately 7% of coarse fraction), and medium gray rounded limestone (approximately 3% of coarse fraction).

Grades at approximately 20' to light brown (10 YR 6/3) very fine grained to coarse grained silty sand (SM) with gravel (SW); dry, medium density; sand grains are angular to subround; silt comprises approximately 15-20% of total volume; coarse fraction (approximately 30% of total volume) (maximum observed diameter = 0.45" [11.43 mm, -3ϕ]) consists of subangular to subround granitic rock fragments (approximately 80% of coarse fraction), subangular to subrounded quartz (approximately 10% of coarse fraction), subrounded to rounded medium gray limestone (approximately 7-8% of coarse fraction), and angular to subangular dark igneous/metamorphic rock fragments (approximately 2-3% of coarse fraction).

Richard Raymond, P.G.
0000901 - State of Florida

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG (cont'd)

Project / Job No.: ZA96 | Borehole/Well No.: RB11-13

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recv'd	Sample Cond.	HNu/PID	Analysis	Depth (ft)	Recovery	Context
KAFB-RB11-13-0913				18			metals, Hg, CN, Soil pH/moisture; RAD *			SM
			24					1		
							SVOC / DRO			
				18			VOC / GRO; RAD *	2		SM/SW
								3		
								4		
								5		NOT LOGGED
								6		
								7		GP
KAFB-RB11-13-1721	BR		24		G	0	RAD *	8		
				22			metals, Hg, CN, Soil pH/moisture; RAD *	9		
			24				RAD *	10		
				21			VOC, GRO; SVOC, DRO	20		SW/SM
								TD= 21'		

SDSL OTHR LNES GVLG OTHR

At 11', medium brown (10YR 5/6) very fine to medium grained silty sand (SM); dry medium density; sand grains are angular to subangular; silt comprises approximately 15% of total volume; coarse fraction (approximately 2-3% of total volume) (maximum observed diameter = 0.30" [7.62 mm, -3 ϕ]) consists of subangular to subrounded granitic rock fragments (approximately 80% of coarse fraction), medium gray rounded limestone (approximately 10% of coarse fraction), and angular to subangular dark igneous/metamorphic rock fragments.

At 12', light brown (10YR 6/4) very fine to very coarse grained silty sand (SM) with gravel (SW); dry, medium density; sand grains are angular to subround; silt comprises approximately 15% of total volume; coarse fraction (approximately 15-20% of total volume (maximum observed diameter = 0.35" [8.89 mm, -3 ϕ]) consists of angular to subangular granitic rock fragments and quartz (approximately 95% of coarse fraction), subangular dark igneous/metamorphic rock fragments (approximately 4% of coarse fraction), and medium to dark gray limestone (approximately 1% of coarse fraction).

At 17', light brown (10YR 6/3) gravel with sand (GP); dry, medium density; silt comprises approximately 5% of total volume; sand (angular to subrounded grains) comprises approximately 45% of total volume; coarse fraction (approximately 50% of total volume (maximum observed diameter = 0.30" [7.62 mm, -3 ϕ]) consists of subangular to subrounded granitic rock fragments (approximately 80% of coarse fraction), subrounded quartz (approximately 10% of coarse fraction), dark igneous/

* - RAD = Ra^{226}, Ra^{228}, Gross α, Gross β

CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: 2A96 | Borehole/Well No.: RB11-14

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	OVA/PID	Analysis	Lithology / Code	Depth (ft)	Recovery	Contact	
0012 KAFB-RB11-	BR		24		G	O	VOC, GRO SVOC, DRO	SDSL SAND LIMES	11 2 3 4 15 6 7		SM SW NOT LOGGED	At 12', medium brown (10YR 6/4) very fine grained to fine grained sand with gravel (SW); dry, medium density; sand grains are angular to subangular; coarse fraction (approximately 30% of total volume) (maximum observed diameter = 0.85" [21.59 mm, -4 ϕ]) consists of subangular granitic rock fragments (approximately 80% of coarse fraction), subangular quartz (approximately 15% of coarse fraction), and angular dark igneous/metamorphic rock fragments (approximately 5% of coarse fraction).
	BR		24	23	G	O	RAD *	GVEL	8 9		GP	At 18', sandy gravel (SG); dry, medium density; stratum is composed of approximately 5% silt, approximately 30% sand, and approximately 65% granules/small pebbles; sand grains are angular to subangular; coarse fraction (maximum observed diameter=0.30" [7.62 mm, -3 ϕ]) consists of subangular to subrounded granitic rock fragments (approximately 75% of coarse fraction), angular quartz (approximately 10% of coarse fraction), medium gray subround to round limestone (approximately 10% of coarse fraction), and angular dark igneous/metamorphic rock fragments (approximately 5% of coarse fraction); color not amenable to description using Munsell Color Chart due to granularity of stratum, lack of color consistency of coarse fraction, and lack of uniformly colored fine fraction.
1822 KAFB-RB11-				21			metals, Hg, CN, soil moisture / pH RAD *		20			
			24				RAD *		1			
				21			VOC, GRO SVOC, DRO		2 TD= 22'			
									3 4 25 6 7 8 9 30			

* RAD = Ra 226, Ra 228, Gross α, Gross β

Richard Renaud, P.G.
0000901 - State of Florida

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG

Page 1 of

BOREHOLE LOCATION

See Figure for RB11 Site Map.

N

• 14B

• 14A

Project: KAFB Stage 2D

Borehole/Well No: RB11-14

Job No: 2A96

Logged By: R. Rexroad

Edited By:

Project Manager: E. Agoston

Drill Rig: Geoprobe # 2

Drilling Contractor: BRE

Driller/Helper: S. Camp / L. Warren

Drilling Method: Geoprobe Construction Method Code = (V) driven), HA = Hand Augered

Sample Method: Brass Rings (BR)

Hammer Weight/Drop: N/A

Borehole Diameter: 1.375"

Started, Time: 1100 Date: 7-18-94

Completed, Time: 1325 Date: 7-18-94

Notes: All samples collected from Boring RB11-14(A), except aliquots for Radiological analysis with Sample KAFB-RB11-14-0107 [from Boring RB11-14(B)].

(HNu)/FID	Background →			(Background = 1 ppm)
β-γ (cpm)	Background →			(Background: 80-100 CAM)
Time	1320	1134	1200	
Date	7-18-94 →			

Total Depth: 22' Casing Depth: N/A

Screened Interval: N/A

Sand Pack, #3: N/A #0: N/A

Well Development Method:

Time: N/A Date: N/A Flow Rate: N/A

Geophysical Logs, Type:

By: N/A Date: N/A

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	(HNu)/FID Reading	Analyses		AFCEE Lithology Code	Depth in Feet	Recovery / Sample Loc.	Contact / USCS Code	LITHOLOGIC DESCRIPTIONS
									SDSL				
KAFB-RB11-14-0107 (includes MS/MSD Samples)	BR		24/24		G	0	RAD* (MS); metals, Hg, CN (MS)			1		SM	Light brown (7.5 YR 7/3) predominately very fine grained (ranging to medium grained) silty sand (SM); dry, loose in 1- to 3-foot interval, becoming firmer (i.e., medium density) below 3'; sand grains are angular to subangular; silt comprises approximately 25 % of total volume); coarse fraction (approximately 1 % of total sample volume) consists of subangular granitic rock fragments.
				18/17			RAD*; metals, Hg, CN, Soil pH/moist	metals, Hg, CN (MSD)		2			
			24/24				RAD* (MSD); SVOC, DRO (MS)			3			
				18/19			RAD* (MSD); SVOC, DRO	RAD*; SVOC, DRO (MSD)		4			
			24/24				RAD* (MSD)	RAD* (MS); VOC, GRO (MS)		5			
				18/24			RAD*; VOC, GRO	RAD* (MSD); VOC, GRO (MSD)		6			
										7			
(See next Page)	BR		24	24	G	0	RAD*	RAD*		8			At 8', lithology is same as above, with coarse sand present within the sand fraction.
							metals, Hg, CN, soil moisture/pH			9			
							RAD*			10			

* RAD - Ra 226, Ra 228, Gross α, Gross β

Project / Job No.: 2A96 Borehole/Well No.: RB11-15

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	(If Any) PID	Analysis	AFCEE Laboratory Code	Depth (ft)	Recovery	Contact
KAFB-RB11-15-0012	BR		24		G	O	SVOC, DRO	SDSL	11		SM
				21			VOC, GRO		2		
									3		
									4		
									15		?
									6		
									7		
									8		SW
KAFB-RB11-15-1824	BR		24		G	O	metals, Hg, CN, Soil moisture/pH	SDGR	9		
				19			metals SVOC to USEPA				
							SVOC, DRO		20		
			24								
							RAD *		1		SP
				19			RAD *	SDVF SDFN			
							RAD *		2		
			24								
							VOC to USEPA		3		
							VOC, GRO				
				19				SDSL	4		SM
									TD @ 24'		
									25		
									6		
									7		
									8		
									9		
									30		

Subangular; silt comprises approximately 15% of total volume; coarse fraction (approximately 5% of total volume) (maximum observed diameter = 0.20" [5.08 mm, 4 ϕ]) consists of subangular granules and pebbles of quartz and feldspar.

At 18', medium brown (10 YR 6/4) very fine to fine grained sand with gravel (SW); dry, medium density; sand grains are angular to subangular; silt comprises approximately 10 to 14% of total volume; coarse fraction (approximately 40% of total volume) (maximum observed diameter = 0.40" [10.16 mm -3 ϕ]) consists of subangular to subround granitic rock fragments (approximately 75% of coarse fraction) angular to subangular clear quartz (approximately 10% of coarse fraction). medium gray rounded limestone (approximately 10% of coarse fraction), and dark igneous / metamorphic rock fragments (approximately 5% of coarse fraction).

At 22', medium brown (10 YR 6/4) very fine to fine grained sand (SP); dry, medium density; sand grains are angular to subangular; silt comprises approximately 5% of total volume; coarse fraction (approximately 10% of total sample volume) (maximum observed diameter = 0.15" [3.18 mm, -1 ϕ]) consists of similar distribution as displayed in overlying interval.

* RAD = Ra 226, Ra 228, Gross α, Gross β

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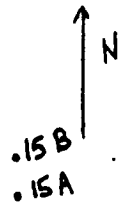
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION

See Figure for RB11 Site Map.



Project: KAFB Stage 2 D	Borehole/Well No: RB11-15
	Job No: 2A96
Logged By: R. Rexroad	Edited By:
Project Manager: E. Agoston	Drill Rig: Geoprobe # 2
Drilling Contractor: BRE	
Driller/Helper: S. Camp / L. Warren	
Drilling Method: Geoprobe Construction Method Code = (V) driven), HA = Hand Augered	
Sample Method: Brass Rings (BR)	
Hammer Weight/Drop: NA	Borehole Diameter: 1.375"
Started, Time: 1345	Date: 7/18/94
Completed, Time: 1555	Date: 7/18/94

Notes: All Samples Collected from Boring RB11-15(A), except Sample KAFB-RB11-86-0307 [from Boring RB11-15(B)].

(HNu)/FID	Background →				(background: 1.6
β-γ (cpm)	Background →				(background:
Time	1400	1429	1515	1540	80-100 cpm)
Date	7/18/94 →				

Total Depth: 24' Casing Depth: N/A

Screened Interval: N/A

Sand Pack, #3: N/A #0: N/A

Well Development Method:

Time: N/A Date: N/A Flow Rate: N/A

Geophysical Logs, Type:

By: N/A Date: N/A

Sample ID	Sampler Type / depth	Blows / 6 inch	Inches Driven	Inches Recovered	Sample Condition / RQD	(HNu)/FID Reading	Analyses	AFCEE Lithology Code	Depth in Feet	Recovery / Sample Loc.	Contact/USCS Code
KAFB-RB11-15-0307 RB11-86-0307	BR		24/24	18/24	G/G	0	RAD * (x2); metals, Hg, CN, soil moisture/pH (x2); RAD * (x2)	SOSL	1–10	SM	SM
KAFB-RB11-15-0307 RB11-86-0307	BR		24/24	20/20	G	0	RAD * (x2); VOC, GRO (x2); SVOC, DRO (x2)	SOSL	1–10	SM	SM
(see next page)	BR		24	24	G	0	RAD *; RAD *; metals, Hg, CN, soil pH/moisture; RAD *	SOSL	1–10	SM	SM

LITHOLOGIC DESCRIPTIONS

Medium brown (10 YR 5/6) very fine grained silty sand (SM); dry, l. Sand grains are angular to subangular; silt comprises approximately 25% o total volume; coarse fraction (much less than 1% of total volume) consists of subangular granule-sized (2-4 mm, -1 to -2 ϕ) quartz and feldspar grains.

At 9.25', medium brown (10 YR 6/3) very fine grained to coarse grained silty sand (SM); dry, medium density; Sand grains are angular to

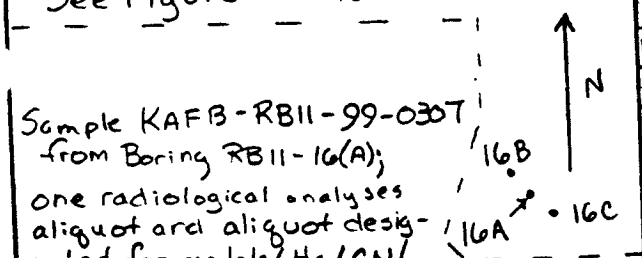
* RAD: Ra 226, Ra 228, Gross α, Gross β

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION

See Figure for RB11 Site Map



Sample KAFB-RB11-99-0307 from Boring RB11-16(A); one radiological analyses aliquot and aliquot designated for metals/Hg/CN/Soil pH & moisture collected from Boring RB11-16(C); all other aliquots and samples collected from Boring RB11-16(B).

Project: KAFB Stage 2O	Borehole/Well No: RB11-16
	Job No: 2A96
Logged By: R. Rexroad	Edited By:
Project Manager: E. Agoston	Drill Rig: Geoprobe #1
Drilling Contractor: BRE	
Driller/Helper: M. Christian / R. Layman	
Drilling Method: Geoprobe Construction Method Code = (V)(driven), HA = Hand Augered	
Sample Method: Brass Rings (BR)	
Hammer Weight/Drop: N/A	Borehole Diameter: 1.375"
Started, Time: 0845	Date: 7-7-94
Completed, Time: 1645	Date: 7-7-94

HNu(FID) **	0.5 ppm	background	5.4 ppm (max)	5.2 ppm	7 ppm (max)
β-γ (cpm)	background				
Time	0945	1000	1135	1230	1620
Date	7-7-94				

Notes:
FID background = 2-3 ppm
β-γ background = 80 to 100 CPM

Total Depth: 32' Casing Depth: N/A
Screened Interval: N/A
Sand Pack, #3: N/A #0: N/A
Well Development Method:
Time: N/A Date: N/A Flow Rate: N/A
Geophysical Logs, Type: N/A Date: N/A
By:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu(FID) Reading	Analyses	AFCEE Lithology Code	Depth in Feet	Recovery / Sample Loc.	Contact / USCS Code
KAFB-RB11-99-0307 KAFB-RB11-16-0307	BR		24/24		G	0	RAD* (x2)	SDVF	1		
				19/10		0	SVOC, DRO (x2) metals, Hg, CN, Soil pH/moisture (x2)		2		
			24/24			0			3		SP
						0.5	RAD* (x2)	SDSL	4		
				20/22		0	VOC, GRO (x2)		5		
						0	RAD* (x2)		6		SM
								OTHER	7		
(See next Page)	BR		24		G	0	metals, Hg, CN, Soil pH/moisture		8		SM/SW
				22			SVOC, DRO		9		
							VOC, GRO		10		

LITHOLOGIC DESCRIPTIONS

Light brown (7.5 YR 6/4) very fine grained Sand (SP); dry, loose; Sand grains are angular to Subangular; Silt comprises approximately 12% of total volume; no coarse fraction (i.e., coarser than Sand) present.

At 6', light brown (7.5 YR 6/6) very fine grained silty sand (SM); dry, medium density; Sand grains are angular to subangular; Silt comprises approximately 25% of total volume; Coarse fraction (approximately 1% of total volume) (maximum observed diameter = 0.35" [8.89 mm, -3Φ3) consists of Subangular granitic rock fragments.

At 8', light brown (10 YR 7/3) very fine to medium grained silty sand (SM) with gravel (SW); dry, medium density; sand grains are angular to subangular; silt comprises approximately 80% of total volume; coarse fraction (approximately 20-25% of total volume) (maximum observed diameter = 0.25"

* RAD = Ra^{226}, Ra^{228}, Gross α, Gross β

** - All listed readings are in excess of background

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: 2A96

Borehole/Well No.: RB11-15

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/FID	Analysis	Lithology Code	Depth (ft)	Recovery	Contact
									1		
									2		
									3		
									4		
									5		
									6		
									7		
									8		
									9		
									0		
									1		
									2		
									3		
									4		
									5		
									6		
									7		
									8		
									9		
									0		

At 24', light to medium brown (7.5 YR 6/4) very fine grained silty sand (SM); dry, medium density; sand grains are angular to subangular; silt comprises approximately 25 to 30 % of total volume; coarse fraction (approximately 1 to 2 % of total volume) (maximum observed diameter = 0.15" [3.18 mm, -1 ϕ]) consists of subangular granitic rock fragments.

Richard Rezanoff, P.G.
0000901 - State of Florida

Project / Job No.: 2A96. Borehole/Well No.: RB11-16

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/FID	Analysis	Lithology Code	Depth (ft)	Recovery	Contact
KAFB-RB11-K-Bus2	BR		24	19	G	0.4 0.6 0	metals, Hg, CN, soil pH/moisture RAD*	SIEVE	31 32 TD=32' 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0	SW	SW

-3ϕ]) consists of predominantly granule-sized as well as occasion pebble-sized subangular granitic rock fragments.

At 24', light brown (7.5YR6/4) very fine to very coarse grained silty Sand (SM) with gravel (SW); dry, medium density; sandgrains are angular to subrounded; silt comprises approximately 20% of total volume; coarse fraction (approximately 30% of total volume) (maximum observed diameter = 0.30" [7.62 mm, -3ϕ]) consists of subangular to subrounded granitic rock fragments (approximately 75% of coarse fraction), medium gray subangular to subrounded limestone (approximately 10% of coarse fraction), angular to subangular quartz (approximately 10% of coarse fraction), and angular to subangular black igneous/metamorphic rock fragments (approximately 5% of coarse fraction).

At 25', medium brown (7.5YR 6/4) very fine grained clayey silty sand (SM); dry, medium density; angular to subangular sand grains; clay comprises approximately 5% of total volume; silt comprises approximately 20% of total volume; coarse fraction comprises much less than 1% of total volum

At 28', light brown (10YR 7/3) silty sand (SM); dry, medium density; angular to subangular sand grains; silt comprises approximately 20% of total volume; coarse fraction (approximately 1-3% of total volume) (maximum observed diameter = 0.40" [10.16 mm, -3ϕ]) consists of subangular to subrounded granitic rock fragments and rounded sandstone fragments. Grades at 29' to:

(At 29'), fine to very coarse grained sand with gravel (SW); dry, medium density, tightly packed; subrounded sand grains; silt comprises approximately 5% of total volume; coarse fraction consists of subrounded granules (approximately 25% of total volume) of quartz and granitic rock fragments, as well as small pebbles (approximately 5-10% of total volume) (maximum observed diameter = 0.60" [15.24 mm, -4ϕ]) of subangular to subrounded granitic

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: 2A96 · Borehole/Well No.: RB11-16

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	PID/FID (Unadj'd)	Analysis	AFCEE Laboratory Code	Depth (ft)	Recovery	Contact
KAFB-RB11-16-0812	BR		24	15	G	0	RAD*	OTHR	0–30		SM/SW
							RAD*				
							RAD*				
	BR		24	3**	G						
			24								
				5**		0	metals, Hg, CN, soil pH/moisture				
KAFB-RB11-16-1221			24			5.4	VOC, GRO				
				8**		5.2					
KAFB-RB11-16-2125			24			0	RAD*	OTHR			SM with SW layers
						5.0	SVOC, DRO				
				24		4.4	RAD*				
						4.1	RAD*				
	BR		24		G	0	RAD*	SDSL			SM
				24		5.2	VOC, GRO				
						0	SVOC, DRO metals, Hg, CN, soil pH and moisture				
			24			0					
						0	RAD*	OTHR			SM/SW
				21		0	RAD*	SDSL			SM
						0					
(See next Page)	BR		24	24	G	0	RAD*	SDSL			SW
						7	VOC, GRO				
						3.8	SVOC, DRO				
						5.8	RAD*				
						3.0					

[6.35 mm, -3ϕ] consists of subangular to subrounded granitic rock fragments (approximately 80% of coarse fraction), medium gray subrounded limestone (approximately 10% of coarse fraction), and angular dark igneous/metamorphic rock fragments (approximately 10% of coarse fraction).

At 13', light brownish gray (10 YR 7/2) very fine to very coarse grained silty sand (SM) with gravel (SW); dry, low to medium density; sand grains are subangular to subrounded; silt comprises approximately 20% of total volume; coarse fraction (approximately 35% of total volume) (maximum observed diameter is greater than 1.2" [30.5 mm, -5ϕ]) is predominantly medium gray limestone, with a lesser quantity of subangular to subrounded quartz and granitic rock fragments.

At 19', light brownish gray (7.5 YR 6/3) very fine to very coarse silty sand (SM), with interbedded gravelly sand (SW) layers; dry, medium density; sand grains are subangular to subrounded; silt comprises approximately 15% of total volume of SM layers; coarse fraction (approximately 5 to 35% of total volume of SM and SW layers, respectively) (maximum observed diameter = 0.25" [6.35 mm, -3ϕ]) consists of angular to subrounded quartz and granitic rock fragments (approximately 90% of coarse fraction) and angular to subangular dark igneous/metamorphic rock fragments (approximately 10% of coarse fraction).

At 27', medium brown (7.5 YR 6/4) very fine grained clayey silty sand (SM); dry, medium density; sand grains are angular to subangular; clay comprises approximately 5% (?) of total volume; silt comprises approximately 20% of total volu... coarse fraction (much less than 1% of total volume) (maximum observed diameter = 0.25" [6.35 mm,

* RAD: Ra^{226}, Ra^{228}, Gross α, Gross β

** - bottom of sample tube blocked by pebbles/cobbles

... removal from subsu...

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BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION
See Figure for RB11 Site Map.

Project: KAFB Stage 2D
Borehole/Well No: RB11-17
Job No: 2A96
Logged By: R. Rexrood
Edited By:
Project Manager: E. Agoston
Drill Rig: Geoprobe #1
Drilling Contractor: BRE
Driller/Helper: M. Christian / R. Layman
Drilling Method: Geoprobe Construction Method Code = (V) (driven), HA = Hand Augered
Sample Method: Brass Rings (BR)
Hammer Weight/Drop: N/A
Borehole Diameter: 1.375"
Started, Time: 1315 Date: 7-6-94
Completed, Time: 1700 Date: 7-6-94

Notes:
BZ background = 80-100 CPM
FID background = 5 ppm

HNu/FID	NR	→	→	10 ppm (max.)	NR
B-γ (cpm)	background	→	→	→	→
Time	1325	1345	1415	1510	1640
Date	7-6-94	→	→	→	→

Total Depth: 32' Casing Depth: N/A
Screened Interval: N/A
Sand Pack, #3: N/A #0: N/A
Well Development Method:
Time: N/A Date: N/A Flow Rate: N/A
Geophysical Logs, Type:
By: N/A Date: N/A

Sample ID	Sampler Type / depth	Blows / 6 inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses	AFCEE Lithology Code	Depth in Feet	Recovery / Sample Loc.	Context
KAFB-RB11-17-0307	BR		24		G	NR	metals, Hg, CN, soil pH/moisture	SPSU	1		
				18			SVOC, DRO		2		
							RAD*		3		SM
			24						4		
							RAD*		5		
							RAD*	SDVF	6		SP
				18			VOC, GRO		7		
(See next page)	BR		24		G	NR	RAD*	SDSL	8		SM
							SVOC, DRO		9		
				24			VOC, GRO				
							RAD*		10		

LITHOLOGIC DESCRIPTIONS

(Light brown (10 YR 6/4) very fine to fine grained silty sand (SM); dry, loose; angular to subangular sand grains; silt comprises approximately 20% of total volume; coarse fraction (approximately 1% of total volume) (maximum observed diameter = 0.25" [6.35 mm, -3 ϕ]) consists of subangular to subrounded granitic rock fragments (approximately 85% of coarse fraction) and subrounded to rounded dark igneous/metamorphic rock fragments (approximately 15% of coarse fraction). Grades at approximately 6' to:

(At 6'), light brown (10 YR 6/4) very fine grained sand (SP); dry, grades from loose to compacted (medium density); angular to subangular sand grains; coarse fraction (approximately 2-3% of total volume) (maximum observed diameter = 0.5" [12.7 mm, -4 ϕ]) consists of granules and (predominantly) pebbles of subrounded to

NR = no readings (equipment malfunction)
*-RAD = Ra^{226}, Ra^{228}, Gross α, Gross β

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: 2A96

Borehole/Well No.: RB11-16

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/FID	Analysis	Lithology Code	Depth (ft)	Recovery	Contact
									0		
									1		
									2		
									3		
									4		
									5		
									6		
									7		
									8		
									9		
									10		
									11		
									12		
									13		
									14		
									15		
									16		
									17		
									18		
									19		
									20		

rock fragments (approximately 34% of pebble fraction), angular to subangular quartz (approximately 33% of pebble fraction), and dark gray rounded limestone (approximately 33% of pebble fraction).

Richard Raymond, P.G.
0000901 - State of Florida

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: 2496 | Borehole/Well No.: RB11-17

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/FID	Analysis	AFCEE Lithology Code	Depth (ft)	Recovery	Contact
KAFB-RB11-17-2832	BR		24		G	NR		GY/LF			GW
							RAD*		1		
							RAD*				
				21			RAD*		2		32'
									TD=		
									3		
									4		
									5		
									6		
									7		
									8		
									9		
									0		
									1		
									2		
									3		
									4		
									5		
									6		
									7		
									8		
									9		
									0		

Subangular to subrounded granitic rock fragments) comprises much less than 1% of total volume.

At 30-32', gravel with sand (GW); light brown (7.5YR 7/3), dry, medium density; sand grains are angular to subrounded; silt comprises less than 5% of total volume; coarse fraction (approximately 60% of total volume X maximum observed diameter = 0.75" [19.05 mm, -4 ϕ]) consists of subangular to subrounded granitic rock fragments (approximately 70% of coarse fraction), subangular to subrounded quartz (approximately 25% of coarse fraction), and gray limestone (approximately 5% of coarse fraction).

Richard Rexroad, P.G.
0000901 - State of Florida

NR= No Readings (equipment malfunction)

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: 2A96 | Borehole/Well No.: RB11-17

Notes:

Sample ID	Sampler Type	Blows / 6 inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/PID	Analysis	AFCEE Laboratory Code	Depth (ft)	Recovery	Contact	
KAFB-RB11-17-0812	BR		24		G	NR		SOSL			SM	rounded dark gray to black limestone (approximately 60% of coarse fraction) and subangular to subrounded granitic rock fragments (approximately 40% of course fraction).
							metals, Hg, CN, soil pH/moisture		1			
				16			RAD*					
KAFB-RB11-17-1318	BR		24		G	NR			2			
									3			At 8', light brown (10 YR 5/6) very fine grained Silty Sand (SM); dry, medium density; angular to subangular sand grains; silt comprises approximately 20% of total volume; coarse
				9			SVOC, DRO	SDGR	4			
			24				RAD*		5		SW	fraction (less than 1% of total volume) consists of granitic rock fragments.
							VOC, GRO		6			At 15', light brown (10 YR 7/2) very fine to very coarse grained sand with gravel (SW); dry, medium density; subangular to subrounded sand
							RAD*					
				22			RAD*	SDSL	7		SM	
			12				metals, Hg, CN, soil pH/moisture		8			grains; silt comprises approximately 3-5% of total volume; coarse fraction (approximately 20-25% of total volume) (maximum observed diameter = 0.40" [10.16 mm, -3 ϕ]) consists of
				6					9			
KAFB-RB11-17-1823	BR		24		G	10						Subangular to subrounded granitic rock fragments (approximately 90% of coarse fraction), dark gray to black limestone (approximately 5% of coarse fraction), and angular quartz (approximately 5% of coarse fraction).
						10	VOC, GRO		0			
				9		0						
			24			0	RAD*		1			
						6	metals, Hg, CN, soil pH/moisture					
						3	SVOC, DRO					
				21		0	RAD*		2			At 17', light brown (10 YR 6/4) very fine grained silty sand (SM); dry, medium density; angular to subangular sand grains; silt comprises approximately 15-20% of total volume; coarse
			24			0	RAD*					
									3			
				18								fraction (much less than 1% of total volume) consists of small granules of quartz and granitic rock fragment
									4			
												At 18', SM, but with coarse fraction (approximately 12% of total volume) (maximum observed diameter = 0.35" [8.89 mm, -3 ϕ]) consisting of subangular to subrounded granitic rock fragments (approximately 75% of coarse fraction), angular to subangular quartz (approximately 20% of coarse fraction), and medium gray rounded limestone (approximately 5% of coarse fraction).
									5			
									6			
									7			
									8			
(see next page)	BR		24		G	NR						
							VOC, GRO		9			
				18			SVOC, DRO	GVLP				At 22', SM; silt comprises approximately 30% of total volume, and coarse fraction (consisting of
							metals, Hg, CN, soil pH/moisture		0		GW	

NR = No Reading (Equipment Malfunction)

Page B

Project / Job No.: 2A96

Borehole/Well No.: RB11-18

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/FID	Analysis	Lithology Code	Depth (ft)	Contact
	BR			18	G	0	VOC, GRO; SVOC, DRO	SDSL	10–13	SM
KAFB-RB11-18-1317	BR		24; 24	21; 19	G	0	metals, Hg, CN, Soil pH/moisture; RAD*; RAD*; RAD*; VOC, GRO; SVOC, DRO	GVLP; OTHR	13–17	GW (15); SW (16)
KAFB-RB11-18-1822	BR		24; 24	20; 22	G	0	metals, Hg, CN, Soil pH/moisture; RAD*; RAD*; RAD*; VOC, GRO; SVOC, DRO	SDFN	18–22	SP (18); ? (23)
(See next page)	BR		24	24	G	0	RAD*; metals, Hg, CN, Soil pH/moisture; metals, SVOC to USEPA; SVOC, DRO	SDGR	28–30	SM (28)

Notes:

Sand grains are angular to subangular; silt comprises approximately 5% of total volume; coarse fraction (approximately 15-20% of total volume)(maximum observed diameter = 0.25" [6.35 mm, -3ϕ]) consists of subangular to subrounded granitic rock fragments (approximately 95% of coarse fraction) and rounded dark igneous/metamorphic rock fragments (approximately 5% of coarse fraction).

At 10', very fine to fine grained silty sand (SM); dry, medium density; sand grains are angular to subangular; silt comprises approximately 15-20% of total volume; coarse fraction (approximately 5% of total volume)(maximum observed diameter = 0.40" [10.16 mm, -3ϕ]) consists of angular to subrounded granitic rock fragments and quartz; color of stratum is medium brown (7.5 YR 5/6).

At 15', light brown (10YR 7/3) sandy gravel (GW); dry, low to medium density; sand is subangular to subrounded, very fine to very coarse grained; sand comprises approximately 45% of total volume; coarse fraction (approximately 55% of total volume)(maximum observed diameter = 1.3" [33.0 mm, -5ϕ]) consists of angular to subangular quartz (approximately 50% of coarse fraction), dark gray subangular to subrounded limestone (approximately 30% of coarse fraction), and subangular to subrounded granitic rock fragments (approximately 20% of coarse fraction). Grades at approximately 16' to:

(16') very fine grained silty sand (SM) with gravel (SW); dry, medium density; sand grains are angular to subangular; silt comprises approximately 15% of total volume; coarse fraction (approximately 15-20% of total volume) (maximum observed diameter = 0.15" [3.81 mm, -2ϕ]) consists of subangular to subrounded granitic rock fragments (approximately 60% of coarse fraction), subangular to subrounded dark igneous/metamorphic rock fragments

* RAD = Ra^{226}, Ra^{228}, Gross α, Gross β

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BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION

See Figure for RB11 Site Map.

Project: KAFB Stage 2D	Borehole/Well No: RB11-18
	Job No: 2A96
Logged By: R. Rexroad	Edited By:
Project Manager: E. Agoston	Drill Rig: Geoprobe #1
Drilling Contractor: BRE	
Driller/Helper: M. Christian / R. Layman	
Drilling Method: Geoprobe Construction Method Code = (V)(driven), HA = Hand Augered	
Sample Method: Brass Rings (BR)	
Hammer Weight/Drop: N/A	Borehole Diameter: 1.375"
Started, Time: 0940	Date: 7-11-94
Completed, Time:	Date:

Notes: FID background = 2.0 to 2.2 ppm. β-γ background = 50 to 100 CPM. Two of the three aliquots (with MS/MSD) for radiological analyses of sample KAFB-RB11-18-0107 were collected from Boring RB11-18(B); all other samples and aliquots were collected from Boring RB11-18(A).

HNu/FID	background					
β-γ (cpm)	background					
Time	1015	1030	1105	1135	1215	1240
Date	7-11-94					

Total Depth: 32'	Casing Depth: N/A
Screened Interval: N/A	
Sand Pack, #3: N/A	#0: N/A
Well Development Method:	
Time: N/A Date: N/A	Flow Rate: N/A
Geophysical Logs, Type:	
By: N/A	Date: N/A

Sample ID	Sampler Type / depth	Blows / 6 inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses	AFCEE Lithology Code	Depth in Feet	Recovery / Sample Loc.	Contact / USCS Code	LITHOLOGIC DESCRIPTIONS
KAFB-RB11-18-0107 (includes MS/MSD Samples)	BR		24/24		G	O	metals, Hg, CN (MS)		1		SM	Light brown (7.5 YR 7/3) very fine grained silty sand (SM); dry, loose to medium de... sand grains are angular to subangular; silt comprises approximately 20-25% of total volume; coarse fraction (much less than 1% of total volume) consists of granule-sized subrounded granitic rock fragments.
							metals, pH, CN, soil pH/moist; RAD* (MSD)		2			
				34/19			metals, Hg, CN (MS); RAD* (MS)					
							RAD *; RAD *					
			24/24				RAD * (MS); RAD * (MSD)		3		SP/SM	At 5', similar lithology as above; sand size ranges from very fine to fine grained; silt comprises approximately 15-20% of total volume; coarse fraction (approximately 1-2% of total volume) (maximum observed diameter = 0.25" [6.35 mm, -3 ϕ J) consists of subangular to subrounded granitic rock fragments (approximately 95% of coarse fraction) and angular dark igneous/metamorphic rock fragments (approximately 5% of coarse fracti...
							SVOC, DRO (MS); RAD * (MS)		4			
							SVOC, DRO; RAD *					
				21/24			SVOC, DRO (MSD); RAD * (MSD)		5			
			24									
							VOC, GRO (MS)		6			
							VOC, GRO					
				19			VOC, GRO (MSD)					
KAFB-RB11-18-0711	BR		24		G	O			7			
							metals, Hg, CN, Soil pH/moisture					
							RAD *		8		SP/GR	At 9', light brown (7.5 YR 5/6) very fine grained to coarse grained sand with gravel (SW);
				19			RAD *					
			24						9			
							RAD *					
									10		SW	

* - RAD = Ra^{226}, Ra^{228}, Gross α, Gross β

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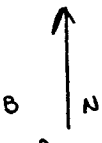
BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION

See Figure for RB11 Site Map.



Samples KAFB-RB11-98-0307 and KAFB-RB11-19-2833 Collected from Boring RB11-19B; all other Samples collected from Boring RB11-MA; no samples collected from Boring RB11-19C, due to breakage of sampling pin. Drilling sequence as follows: 19A, 19C, 19B.

Project: KAFB Stage 2D

Borehole/Well No: RB11-19

Job No: 2A96

Logged By: R. Rexroad

Edited By:

Project Manager: E. Agoston

Drill Rig: Geoprobe # 1

Drilling Contractor: BRE

Driller/Helper: M. Christian / R. Laymon

Drilling Method: Geoprobe Construction Method Code = (V)(driven), HA = Hand Augered

Sample Method: Brass Rings (BR)

Hammer Weight/Drop: N/A

Borehole Diameter: 1.375"

Started, Time: 0900 Date: 7-8-94

Completed, Time: 1545 Date: 7-8-94

Notes:
FID background = 2.0 to 3.0 ppm
βγ background = 80 to 100 CPM

HNu/(FID)	background					
β-γ (cpm)	background					
Time	0925	0943	1040	1115	1225	1515
Date	7-8-94					

Total Depth: 34' Casing Depth: N/A

Screened Interval: N/A

Sand Pack, #3: N/A #0: N/A

Well Development Method:

Time: N/A Date: N/A Flow Rate: N/A

Geophysical Logs, Type:

By: N/A Date: N/A

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/(FID) Reading	Analyses	AFCEE Lithology Code	Depth in Feet	Recovery / Sample Loc.	Contact / USCS Code
KAFB-RB11-19-0307 KAFB-RB11-98-0307	BR		24/24		G	0	metals, Hg, CN, Soil pH/moisture (x2)		SDSL		
							SVOC, DRO (x2)				
				19/24			RAD* (x2)				
			24/24								
							RAD* (x2)				
							RAD* (x2)				
				8/24			VOC, GRO (x2)				
(See next page)	BR		24		G	0	metals, Hg, CN, Soil pH/moisture				
							SVOC, DRO				
				21			RAD*				

1 2 3 4 5 6 7 8 9 10

SM

LITHOLOGIC DESCRIPTIONS

Light brown (7.5 YR 7/4) very fine grained Silty Sand (SM); dry, loose; sand grains are angular to subangular; silt comprises approximately 20% of total volume; coarse fraction (approximately 3-5% of total volume) (maximum observed diameter = 0.15" [3.81 mm, -2ϕ]) consists of subangular to subrounded granitic rock fragments and quartz.

At 7', similar lithology as above; color change to 7.5 YR 6/6; decrease in silt content to approximately 15% of total volume; coarse fraction (maximum observed diameter = 0.35" [8.89 mm, -3ϕ]) consists of dark gray to black subrounded to rounded limestone pebbles and granule-sized caliche fragments.

At 8', medium brown (7.5 YR 6/6) very fine grained silty sand (SM); dry, low to medium density; sand grains are angular to subangular; silt comprises approximately

*- RAD = Ra^{226}, Ra^{228}, Gross α, Gross β

Project / Job No.: 2A96 Borehole/Well No.: RB11-18

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recv'd	Sample Cond.	HNu/PID	Analysis	AFCEE Lithology Code	Depth (ft)	Recovery	Context
KAFB-RB11-18-2832	BR		24		G	0	RAD*				SW
							VOC, GRO to USEPA	SOGR	1		
							VOC, GRO				
				24			RAD*		32		
									TD=	32'	
									3		
									4		
									5		
									6		
									7		
									8		
									9		
									0		
									1		
									2		
									3		
									4		
									5		
									6		
									7		
									8		
									9		
									0		

(approximately 20% of coarse fraction), angular to subangular dark gray limestone (approx 10% of coarse fraction), and subangular to subrounded dark igneous/metamorphic rock fragments (approximately 10% of coarse fraction).

At 18', medium brown (10YR 5/6) very fine to coarse grained sand (SP); dry, medium density; sand grains are subrounded to rounded; silt comprises approximately 12% of total volume; coarse fraction (approximately 10% of total volume) X maximum observed diameter = 0.15" [3.81 mm, -2ϕ] consists of subangular to subrounded granitic rock fragments (approximately 90% of coarse fraction) and angular to subangular quartz (approximately 10% of coarse fraction).

At 22', color change to 10YR 6/3; granitic rock fragments contain epidote within this interval.

At 28-32' interval, light brown (10YR 6/4) very fine to very coarse grained sand with gravel (SW); dry, medium density; sand grains are angular to subrounded; silt comprises approximately 10% of total volume; coarse fraction (approximately 30% of total volume X maximum observed diameter = 0.30" [7.62 mm, -3ϕ]) consists of angular to subrounded granitic rock fragments (approximately 85% of coarse fraction) and subangular to subrounded dark igneous/metamorphic rock fragments (approximately 15% of coarse fraction).

Richard Raymond, P.G.
0000901 - State of Florida

* RAD = R_a^{226} R_a^{228} Gross α Gross β

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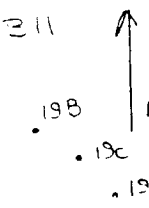
BOREHOLE / WELL CONSTRUCTION LOG

Page 1 of 1

BOREHOLE LOCATION

See Figure for RB11 Site Map.



Samples KAFB-RB11-SS-0307 and KAFB-RB11-19-2833 Collected from Boring RB11-19B; all other Samples collected from Boring RB11-19A; no samples collected from Boring RB11-19C, due to breakage of sampling pipe. Drilling sequence as follows: 19A, 19C, 19B.

Project: KAFB Stage 3D	Borehole/Well No: RB11-19
	Job No: 3A96
Logged By: R. Feldman	Edited By:
Project Manager: E. Hamilton	Drill Rig: Geoprobe #1
Drilling Contractor: BRE	
Driller/Helper: M. Christian / R. Layman	
Drilling Method: Geoprobe Construction Method Code = V (driven), HA = Hand Augered	
Sample Method: Brass Rings (BR)	
Hammer Weight/Drop: N/A	Borehole Diameter: 1.375"
Started, Time: 0900	Date: 7-8-94
Completed, Time: 1545	Date: 7-8-94

Notes:

FID background = 2.0 to 3.0 ppm

FC background = 50 to 60 CPM

HNu/FID	background				
β-γ (cpm)	background				
Time	1515	0943	1040	1115	1225	1255
Date	7-8-94				

Total Depth: 34' Casing Depth: N/A

Screened Interval: N/A

Sand Pack #3: N/A #0: N/A

Well Development Method:

Time: N/A Date: N/A Flow Rate: N/A

Geophysical Logs, Type:

By: N/A Date: N/A

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses	Arcset Lithology Code	Depth in Feet	Recovery / Sample Loc	Contact / Lithologic Code
KAFB-RB11-19-0307 KAFB-RB11-18-0307	3k		24/24		G	0	metals, Hg, CN, soil pH/moisture (x2)	SDSL	1		
				19/24			SVOC, DRO (x2)		2		
			24/24				RAD* (x2)		3		SM
							RAD* (x2)		4		
				19/24			RAD* (x2)		5		
							VOC, GRO (x2)		6		
									7		
(See next page)	BR		24		G	0	metals, Hg, CN, soil pH/moisture		8		
				21			SVOC, DRO		9		
							RAD*		10		

LITHOLOGIC DESCRIPTIONS

Light brown (7.5 YR 6/4) very fine grained silty sand (SM); dry, loose; sand grains are angular to subangular; silt content approximately 30% of total volume; coarse fraction (approximately 3-5% of total volume) (maximum observed diameter = 0.5" [8.51 mm, -2Φ]) consists of subangular to subrounded granitic rock fragments and quartz.

At 7', similar lithology as above; color change to 7.5 YR 6/6; decrease in silt content to approximately 15% of total volume; coarse fraction (maximum observed diameter = 0.35" [8.89 mm, -3Φ]) consists of dark gray to black subrounded to rounded limestone pebbles and granule-sized caliche fragments.

At 8', medium brown (7.5YR 6/6) very fine grained silty sand (SM); dry, low to medium density; sand grains are angular to subangular; silt content approximate

* - RAD: Ra 226 & Ra 228 (Arcset Lab B)

CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Page 2 of 3

Project / Job No.: 2A96 | Borehole/Well No.: RFW-3

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond	IINwell ID	Analysis	Lithology Code	Depth (ft)	Recovery	Contact	
KAB-RFW-D-0812	SR		24		G	D	RAD*	SDSL			SM	15-30% of total volume; coarse fraction (approximately 3-5% of total volume) (maximum observed diameter = 0.40" [10.16 mm, -3 Φ]) consists of subangular to subrounded granitic rock fragments.
				18			RAD*		11			At 12' medium brown (10YR 6/6) very fine to medium grained silty sand (SM); dry, medium density; sand grains are angular to subangular; silt comprises approximately 15-20% of total volume; coarse fraction displays a bimodal distribution consisting of subangular granules of quartz/feldspar/granitic rock fragments (approximately 1-2% of total volume) and subrounded to subangular (maximum observed and typical diameter = 0.60" [15.24 mm, -4 Φ]) of quartz/granitic rock fragments (approximately 3-5% of total volume).
							VOC, GRO		2			
	SR		24		G	D	metals, Hg, CN, SS		13			
							EROC, DRO	SDCR			SP	
				18			RAD*		4			
KAB-RFW-D-1319			24					SDCR	15		SW	
							RAD*		6			
				7				SDSL			SM	
KAB-RFW-D-1717								SDCR	(17)			
			24				RAD*		8		SP	
				30			VOC, GRO				SM/SW	
KAB-RFW-D-1923	SR		24		G	D		SILT	19		ML	At 13.75', light brown (10YR 6/4) medium to very coarse grained sand (SP); dry; low consolidation; moderately sorted; grains are angular to subangular; silt comprises less than 5% of total volume; grades at 15' to:
				18			metals, Hg, CN, SS		20			
			24				RAD*	SDSL			SM	At 21' light brown (10YR 6/4) medium to coarse grained sand with gravel (SW); dry; low density; grains are angular to subangular; silt comprises less than 5% of total volume; coarse fraction (approximately 15-20% of total volume) (maximum observed diameter = 0.35" [8.89 mm, -3 Φ]) consists of angular to subangular quartz/granitic rock fragments (approximately 95% of coarse fraction) and subrounded to rounded medium gray limestone (approximately 5% of coarse fraction).
							RAD*		22			
				24			RAD*					
							VOC, GRO		3			
									24			
									5			
									(26)			
									(27)			
									28			
(see next log)	SR		24		G	D	RAD*					At 16.25', very fine grained silty sand (SM); dry, low density; sand grains are angular to subangular; silt comprises approximately 25-30% of total volume; coarse fraction (approximately 1-2% of total volume) (maximum
							VOC to USEPA		9			
				19			VOC, GRO		30			

Note: Driller reported hard layer at 17 to 17.5 feet, and hard streak at 26' (softens at 27').

* RAD = ^{226}Ra, ^{228}Ra (Gross α, Gross β)

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recovd	Sample Cond	HNu/OVA (ppm)	Analysis	Aroel Lithology Code		Depth (ft)	Recovery	Contact
	SM		24		G	0	RAD*		SOIL	0	SM	
							SVOC, DRO			1		
							SVOC, metals USEPA					
				22			metals, Ha, CN, pH/moisture		OTHER	2	SM/SW	
			24									
							RAD*			3		
				22						4		34'
										TD= 5		
										6		
										7		
										8		
										9		
										10		
										1		
										2		
										3		
										4		
										5		
										6		
										7		
										8		
										9		
										0		

Notes

observed diameter = 0.15" [3.81 mm, -2ϕ]) consists of angular to subangular dark gray to black quartzite.

At 7.25', medium to very coarse grained clean quartz sand (SP); in-situ cementation of quartz grains has occurred, forming masses of cemented quartz grains up to 0.75" [19.05 mm] in diameter.

At 18.75 - 19', very fine to medium grained silty sand (SM) with gravel (SW); dry, medium density; sand grains are angular to subrounded; silt comprises approximately 20-25 % of total volume; coarse fraction (approximately 15 % of total volume)(maximum observed diameter = 0.75" [19.05 mm, -4.25ϕ]) consists of angular to subrounded quartz/coarse granitic rock fragments (approximately 90 % of coarse fraction) angular to subrounded dark igneous/metamorphic rock fragments (approximately 8% of coarse fraction), and rounded medium gray limestone (approximately 2% of coarse fraction).

At 19-21.5' light brown (10YR 6/4) silty sand (SM), dry, medium density; silt comprises approximately 50 % of total volume; sand (very fine grained) comprises approximately 40% of total volume; coarse fraction (approximately 10% of total volume)(maximum observed diameter = 0.25" [6.35 mm, -3ϕ]) consists of subangular to subrounded quartz/granitic rock fragments (approximately 90% of coarse fraction) and medium gray angular limestone (approximately 10% of coarse fraction).

At 21.5', light brown (10YR 6/4) very fine to very coarse grained silty sand (SM); dry, medium density; sand grains are angular to subangular; silt comprises approximately 5% of total volume; coarse fraction (approximately 5% of total volume) (maximum observed diameter = 0.15" [3.81 mm, -2ϕ]) consists of subangular to subrounded granitic rock fragments and quartz (approximately 95% of coarse fraction) and dark igneous/

* PID = D 226 D 228 Gross of Trace E

CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No. 2496

Borehole/Well No. PB11-10

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond	HNu/PID	Analysis	Lithology Code	Depth (ft)	Recovery	Contact

metamorphic rock fragments (approximately 5% of coarse fraction).

At 28', medium brown (7.5 YR 5/6) very fi to very coarse grained and granular silty sand (S dry, medium density; sand grains are subangul to subrounded, and consist of quartz feldspar and (approximately 10-15% of sand fraction) dark minerals); coarse fraction (approximately 5% of total volume) consists of subangular to subrounded quartz/granitic rock fragments.

At 31.5', light brown (7.5 YR 7/2) very fine grained to very coarse grained silty sand (SM) with gravel (SW), dry, medium density; sand grains are angular to subrounded. Silt comprises approximately 30% of total volume; coarse fraction (approximately 15-20% of total volume) (maximum observed diameter = 0.50" [12.70 mm, -4 ΦI]) consists of angular to subangular granitic rock fragments (approximately 85% of coarse fraction) medium gray rounded to subrounded limestone (approximately 10% of coarse fraction), and dark igneous/metamorphic rock fragments (approximately 5% of coarse fraction).

Robert Kennard P.G.
0000901 - State of Florida

BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION: See D. Hill's Master Location Map.	Project: KAFB Stage 2D
	Borehole/Well No.: KAFB-RB11-20
	Job No.: 2A96
	Logged By: Mark Garman
	Edited By:
	Project Manager: K. Walter
	Drill Rig: Geoprobe
	Drilling Contractor: BRE
	Driller/Helper: B. Wolfe
	Drilling Method: Geoprobe Construction Method Code = V (driven), HA = Hand Augered
	Sample Method: LARGE-BORE SAMPLER
	Hammer Weight/Drop: NA
	Borehole Diameter: 1.375"
	Started, Time: 1420 Date: 7-12-94
	Completed, Time: 1650 Date: 7-12-94

Notes: COLLECTED REPLICATES, ASSAD FROM BORING (RB11-20B) 1' SW OF RB11-20. SAMPLED RB11-20B @ 03'-07'.

HNu/FID	1.6	1.8
B-T (cpm)	80-100	80-120
Time	1420	1650
Date	7-12-94	7-12-94

Total Depth: 32' Casing Depth:

Screened Interval:

Sand Pack, #3: #0:

Well Development Method:

Time: Date: Flow Rate:

Geophysical Logs, Type:

By: Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition (BTV (cpm))	HNu/FID Reading	Analyses		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
											1			
											2			
REPLICATE SAMPLE COLLECTED 5'-7'			24	20	100	1.6	VOC-GRO, SVOC-DRO, METALS		SDK		3			05': (SM) VFG-FG SILTY SAND (10YR 7/4) VERY PALE BROWN, SUBANG, MED DENSE, DRY, MICA FLAKES. ±25% SILT, COARSE FRAC = 20%, 50% COARSE QTZ SAND, SUBANG. 50% FINE GRAVEL, SUBANG IGN/MET ROCK FRAGS UP TO 4 mm.
						1.6			(SM)		4			
			24	22		1.7			SDK		5			
					100	1.7			(SM)		6			07': (SM) VFG-FG SILTY SAND (10YR 6/4) LIGHT YELLOWISH BROWN, SUBRD, DRY, DENSE. ±25% SILT, COARSE FRAC <5%, FINE IGN/MET GRAVEL, SUBANG, UP TO 6 mm.
											7			
											8			
			24	20	100	1.7	SVOC-DRO, METALS		SDK		9			@ 10': (SM) VFG-FG SILTY SAND (10YR 6/4) LT. YELLOWISH BROWN, SUBRD, DRY, DENSE, ±25% SILT, COARSE FRAC = ±5% FINE ANGULAR QTZ GRAV. UP TO 7 mm.
						1.7			(SM)		10			

KAFB-RB11-20-0712 @1510

KAFB-RB11-20B 0307 @1430 (DUP)

BOREHOLE / WELL CONSTRUCTION LOG

Project / Job No.: KAFB 2B 2A56 | Borehole / Well No.: KAFB-RB11-20

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Condition	HNu/FID	Analysis	Lithology Code	Depth (ft)	Recovery	Contact
KAFB-RB11-RS-1517 @ 1535			24	22		1.8	VOC-GRO, RAD,	SDSL	11		
					100	1.8		(SM)	12		
									13		
			24	19	100	2.2		NDDS	14		
						3.5					
						2.1	VOC-GRO, SVOC-PRO, METALS	(SM)	15		
						1.7					
			24	20		1.6		SDSL	16		
					100	1.6			17		?
									18		
KAFB-RB11-20-1822 @ 1605			24	14	100	1.5		(SW)			
					100	1.7			19		
						2.1		SDGR			
						1.7			20		
			24	24		2.2	VOC-GRO, SVOC-PRO, RAD, METALS	SDSL	21		
						2.2					
						1.8		(SM)	22		
					100	1.8					
									23		
									24		
									25		?
									26		
									27		
									28		
KAFB-RB11-20-2832 @ 1645			24	22	100	2.0	SVOC-PRO, METALS	SDGR	29		
						2.0					
						1.8		(SW)	30		
						1.8					

0 12': (SM) VFG-FG SILTY SAND (10YR, 4/4) LIGHT YELLOWISH BROWN, SL. MOIST, MED. DENSE, SUBRD. ±20% SILT. COARSE FRAC = ±10%. COARSE SUBRD SAND.

13-15': INSUFFICIENT RECOVERY FOR LITH. DESCR. CUTTINGS SAMPLE USED FOR ANALYTICAL.

@ 15': (SM) VFG-FG SILTY SAND (10YR, 7/3 VERY PALE BROWN, DRY, LOOSE, SUBANG. ±20% SILT, COARSE FRAC = ±20% FINE TO MED GRAVEL, ANG-SUBANG, UP TO 8 MM.

GRAVELLY

@ 19': (SW) VFG-V. COARSE SAND (10YR, 6/1) GRAY, SUBANG-SUBRD, DRY, LOOSE. <5% SILT. GRAVEL FRAC = ±35% FINE TO GRAVEL, ANG TO SUBANG 16/MET ROCK FRAGS UP TO 12 MM, ANG TO SUBANG

@ 22': (SM) VFG-FG SILTY SAND (10YR, 6/4 LIGHT YELLOWISH BROWN, SUBRD-SUBANG, DRY, DENSE, 15-20% SILT. COARSE FRAC = <1%.

@ 30': (SW) FINE TO V. COARSE SAND (10YR, 7/2) LIGHT GRAY, SUBRD, DRY, LOOSE. GRAVEL FRAC = ±20% FINE TO MED GRAV, GRAV ROCK FRAGS, SUBRD, UP TO 8 MM

CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG

Project / Job No: KAFB 2B 2AS6

Borehole / Well No: KAFB-RB11-20

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sampler Cond.	HNu/FID	Analysis	Lithology Code	Depth (ft)	Recovery	Contact
			24	21		1.9	VOC-GRO, RAD	(SW)	31		
					↓	↓		SDGR			
					100	1.3			32		
									3		
									4		
									5		
									6		
									7		
									8		
									9		
									0		
									1		
									2		
									3		
									4		
									5		
									6		
									7		
									8		
									9		
									0		

@ 30' (SW) FINE TO VERY COARSE SAND (GEN (10YR, 7/2) LIGHT GRAY, SUBRD-SUBANG, DRY, LOOSE. GRAVEL PRES = ± 35% FINE ~~TO MEDIUM~~ GRAVITIC GRAVEL, ANG - SUBANG, UP TO 15 mm.

8-1-94

TN R.G #1808

BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION

See Figure for RB11 Site Map.

Project	KAFB Stage 2D
Borehole/Well No.	RB11-21
Job No.	2A96
Logged By	R. Rexrood
Edited By	
Project Manager	E. Agoston
Drill Rig	Geoprobe #1
Drilling Contractor	BRE
Driller/Helper	M. Christian / R. Layman
Drilling Method	Geoprobe Construction Method Code = (V) (driven), HA = Hand Augered
Sample Method	Brass Rings (BR)
Hammer Weight/Drop	N/A
Borehole Diameter	1.375"
Started, Time	1350 Date: 7-11-94
Completed, Time	1645 Date: 7-11-94

Notes: FID background = 2.0 to 2.5 ppm

BZ background = 80-100 CPM

HNu/FID	background				
B-γ (cpm)	background				
Time	1405	1425	1445	1540	1620
Date	7-11-94				

Total Depth: 32' Casing Depth: N/A

Screened Interval: N/A

Sand Pack, #3: N/A #0: N/A

Well Development Method:

Time: N/A Date: N/A Flow Rate: N/A

Geophysical Logs, Type:

By: N/A Date: N/A

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analytes	Arcee Lithology Code	Depth in Feet	Recovery / Sample Loc	Contact	LITHOLOGIC DESCRIPTIONS
												At 3', light brown (7.5YR 7/2) very fine grained sand with gravel (SW); dry, medium density; sand grains are angular to subangular; coarse fraction (approximately 30% of total volume) consists of granitic rock fragments (approximately 70% of coarse fraction), dark gray igneous/metamorphic rock fragments (approximately 20% of coarse fraction)
KAFB-RB11-21-0307	BR		24		G	0	metals, Hg, CN, Soil pH/moisture	SDGR	1		SW	
				18			RAD*	SDSL	2			
			24				RAD*	SDGR	3			
				24			VOC, GRO	SDSL	4		SM	and quartz (approximately 5% of coarse fraction.
							SVOC, DRO		5			At 4-5', light brown (10YR 6/4) very fine grained silty sand (SM); dry, medium density; sand grains are angular to subangular; silt comprises approximately 20% of total volume; coarse fraction (much less than 1% of total volume) (maximum observed diameter = 0.25" [6.35 mm, -3 Φ]) consists of angular granitic rock fragments; mica flakes also present.
(See Page 3)	BR		24		G	0	metals, Hg, CN, Soil pH/moisture	OTHR	6		SW	
				22			RAD*		7		SM	
							RAD*		8		SM/SW	
									9			
									10			At 5-6', very fine grained to very coarse grained sand with gravel (SW); dry, medium

*RAD: Ra^{226}, Ra^{228}, Gross α, Gross β

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No. 2A96 | Borehole/Well No. RB11-21

Notes

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recovd	Sample Cond.	PID (ppm)	Analysis	Affect Lithology Code	Depth (ft)	Recovery	Contact
KAFB-RB11-21-0812	BR		24		G	0		SDSH		SM	
							RAD*		1		
							VOC, GRO				
				21			SVOC, DRO		2		
									3	GW	
	BR		24		G	0		SDGR			
KAFB-RB11-21-1317							Metals, Hg, CN, soil pH/moisture		4		
							RAD*				
				22			RAD*		5		
			24								
							SVOC, DRO		6		
KAFB-RB11-21-1322							VOC, GRO				
				22			RAD*		7		
								SDSH	8		
	BR		24		G	0					
							Metals, Hg, CN, soil pH/moisture		9	SM	
							RAD*	SDGR		SW	
				22			RAD*		10		
							RAD*		11		
							VOC, GRO				
							SVOC, DRO		12		
									13		
									14		
									15		
									16		
									17		
									18		
									19		
									20		
									21		
									22		
									23		
									24		
									25		
									26		
									27		
									28		
									29		
	BR		24		G	0	RAD*	SDSH			
(see next page)							metals, Hg, CN, soil pH/moisture				
							metals, SVOC to USEPA				
				24			SVOC, DRO		30		

subangular; silt comprises approximately 5% of total volume; coarse fraction (much less than 1% of total volume) (maximum observed diameter = 0.15" [3.81 mm, -2 ϕ]) consists of subrounded granitic rock fragments; mica flakes also present.

At 13-17', light brown (10 YR 7/4) gravel with sand (GW); dry, medium density; sand grains are subangular to subround; silt comprises approximately 5-10% of total volume; coarse fraction (approximately 50% of total volume) (maximum observed diameter = 2.40" [60.9 mm, -5 ϕ]) consists of subrounded granitic rock fragments (approximately 75% of coarse fraction), quartz (approximately 15% of coarse fraction), and dark igneous/metamorphic rock fragments (approximately 5% of coarse fraction).

At 19', very fine grained to coarse grained silty sand (SM) with gravel (GW); dry, medium density; sand grains are subangular; silt comprises approximately 20-25% of coarse fraction; coarse fraction (much less than 1% of total volume) (maximum observed diameter = 0.15" [3.81 mm, -2 ϕ]) consists of subangular granitic rock fragments.

At 19', very fine grained to coarse grained silty sand (SM) with gravel (GW); dry, medium density; sand grains are subangular to subrounded; silt comprises approximately 15-20% of total volume; coarse fraction (approximately 15% of total volume) (maximum observed diameter = 0.20" [5.08 mm, -2 ϕ]) consists of subangular to subrounded particles of the following lithologies: quartz (approximately 80% of coarse fraction), granitic rock fragments (approximately 15% of coarse fraction), and dark igneous/metamorphic rock fragments (approximately 5% of coarse fraction).

CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Page 6

Project / Job No. 2A96

Borehole/Well No. RS 1-21

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond	USCS (ID)	Analysis	Affect Lithology Code		Depth (ft)	Recovery	Contact
RAFB RBH 21-2A32	BK	1	24		G	O	FA D*					
							VOC	GRO DRO	+			
				24			VOC	GRO				
							FA D*					
									SM-L	1	SM	
										2		
										TD = 32'		
										3		
										4		
										5		
										6		
										7		
										8		
										9		
										0		
										1		
										2		
										3		
										4		
										5		
										6		
										7		
										8		
										9		
										0		

Notes:

At 22', medium brown (10 YR 5/6) very fine grained clayey silty sand (SM); dry, medium density; sand grains are angular to subangular; clay comprises approximately 3-5% (?) of total volume; silt comprises approximately 20% of total volume; coarse fraction (approximately 1-2% of total volume) (maximum observed diameter = 0.25" [6.35 mm, -3 ϕ]) consists of subangular granitic rock fragments (approximately 34% of coarse fraction), subangular quartz (approximately 33% of coarse fraction), and subangular dark igneous/metamorphic rock fragments (approximately 33% of coarse fraction). At 30-32', medium brown (10 YR 5/6) very fine grained silty sand (SM); dry, medium density; sand grains are angular to subangular; silt comprises approximately 30-25% of total volume; coarse fraction (much less than 1% of total volume) (maximum observed diameter = 0.15" [3.8 -2 ϕ]) consists of angular to subangular granitic rock fragments.

Richard Raymond, P.G.
0000901 - State of Florida

CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION: See B. Hill's master location map.

Project: KAFB Stage 2D

Borehole/Well No: KAFB-RB11-22

Job No: 2A96

Logged By: Mark Garman

Edited By:

Project Manager: K. Walter

Drill Rig: Geoprobe

Drilling Contractor: BRE

Driller/Helper: B Wolfe

Drilling Method: Geoprobe Construction Method Code = V (driven), HA = Hand Augered

Sample Method: LARGE-BORE SAMPLER

Hammer Weight/Drop: NA

Borehole Diameter: 1.375"

Started, Time: 1100 Date: 7-12-94

Completed, Time: 1355 Date: 7-12-94

Notes: HIT ROCK @ 18', MOVED BORING ~1' N AND CONTINUED FROM 18' - 32' (RB11-22B)

HNu/FID	1.2	1.5				
BZ (cpm)	80-100					
Time	1100	1355				
Date	7-12-94 ~~1355~~	7-12-94				

Total Depth: 32' Casing Depth:

Screened Interval:

Sand Pack, #3: #0:

Well Development Method:

Time: Date: Flow Rate:

Geophysical Logs, Type:

By: Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / PID BZ (cpm)	HNu/FID Reading	Analyses		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
KAFB-RB11-22-0307 @ 1120			24	20	80	1.2	VOC-GRO, SVOC-DRO, METALS	RAD	(SM)	SDSL	1 2 3 4 5 6 7 8 9 10			@ 5': (SM) VFG-FG SILTY SAND (10YR, 7/3) VERY PALE BROWN, SUBANG-SUBRD, DRY, MED. DENSE, 20-25% SILT, COARSE FRAC = ±5% COARSE GRANITIC \ QTZ SAND, SUBRD.
			24	21	80	1.2			(SP)	SDFN				@ 7': (SP) VFG-FG SAND (7.5YR, 6/4) LIGHT BROWN, DRY, MED. DENSE, SUBANG-SUBRD, W/ BIOTITE FLAKES, <5% SILT. V. COARSE FRAC = ±5% COARSE GRANITIC QTZ SAND, SUBANG
KAFB-RB11-22-0812 @ 1135			24	19	80	1.1	VOC-BRO, METALS		(SM)	SDSL				@ 10': (SM) VFG-FG SILTY SAND (7.5YR, 7/4) PINK, DRY, LOOSE-MED. DENSE, SUBRD, ±20% SILT. COARSE FRAC <1%.

CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Page

Project / Job No.: KAFB 2B 2A56 | Borehole/Well No.: KAFB-RB11-22

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Condition (%)	HNu/FID	Analysis	Lithology Code	Depth (ft)	Recovery	Contact
KAFB-RB11-22-1217 D 1210			24	20	80	1.1	VOC-GRO, SVOC-DRO, RAD, METALS	SDGR (SW)	1		
									2		
			24	19	80	1.1		(SM) SDSL	3		
						1.1			4		
			24	22		1.2		(SW) SDGR	5		
					80	1.2			6		
KAFB-RB11-22-1322 D 1315			24	14	NA 80	NA 1.2	VOC-GRO, SVOC-DRO, RAD, METALS	(SW) SDGR	7		
						1.2			8		
			24	24		1.3		SD (SW)	9		
					80	1.3			10		
									11		
									12		
									13		
									14		
									15		
									16		
									17		
									18		
									19		
									20		
									21		
									22		
									23		
									24		
									25		?
									26		
									27		
									28		
KAFB-RB11-22-2032 D 1350			24	22	80	1.4	SVOC-DRO, METALS	SDSL (SM)	29		
						1.4			30		

@ 12': (SW) VFG - V. COARSE SAND (10YR 4/4) LIGHT YELLOWISH BROWN, DRY, MED. DENSE, SUBANG - SUBRD, DILATE FL <10% SILT. GRAVEL FRAC = 20%. IGN\ME SUBANG FRAGS UP TO 5 MM.

@ 13': (SM) VFG-FG SILTY SAND (10YR 6/3) PALE BROWN, DRY, MED-DENSE, SUBANG 15-20% SILT, COARSE FRAC = ± 10%. 50% COARSE, SUBANG GRANITE SAND, 50% SUBANG IGN\MET ROCK FRAGS UP TO 6 MM

@ 15': (SW) VFG - V COARSE GRAVELLY SAND (7.5YR 7/2) PINKISH GRAY, SUBANG-SUBRD, LOOSE, DRY. <5% SILT. GRAVEL FRAC = ±25%. FINE AG GRAN. ROCK FRAGS, SUBANG. 1 COARSE AG FRAG - 2 cm.

@ 19': (SW) VFG - COARSE SAND (7.5YR 7/2) PINKISH GRAY, SUBANG, DRY, MED. DENSE. 5-10% SILT. GRAVEL FRAC = ±20% FINE SUBANG GRANITIC ROCK FRAGS UP TO 6 MM

@ 22': (SW) VFG - V. COARSE SAND (7.5YR 7/2) PINKISH GRAY, SUBANG-SUBRD, DRY, MED DENSE. 5-10% SILT GRAVEL FRAC = ±10% FINE GRAV AG, SUBANG. UP TO 5 MM

@ 30': (SM) VFG-FG SILTY SAND (10YR 6/4) LIGHT YELLOWISH BROWN, SUBANG, S' MOIST, DENSE. ±20% SILT. COARSE, R ±10% FINE, ANG, EPIDOTE\GRAN FRAG UP TO 1.

CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Page ___ of ___

Project / Job No. KAFB 2B 2AS6

Borehole/Well No. KAFB-RB11-22

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Depth (MD)	HNu/PID	Analysis		Lithology Code		Depth (ft)	Recovery	Contact
			24	22		1.5	VOC, GRO, RAD,		SDSL		31		
					80	1.5			(SM)		32		

0 32': (SM) VFG - FG SILTY SAND (10YR, 4/4) LIGHT YELLOWISH BROWN, SUBRD., MED DENSE - DENSE, SL MOIST, MICA FLAKES. ± 20% SILT - < 1% COARSE FRAC.

8-1-94

TN R.G. #1808

BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION: See B. Hill's Master Location Map.

Project: KAFB Stage 2D

Borehole/Well No: KAFB-RBH-23

Job No: 2A96

Logged By: Mack Gallman

Edited By:

Project Manager: K. Walter

Drill Rig: Geoprobe

Drilling Contractor: BRE

Driller/Helper: B. Wolfe

Drilling Method: Geoprobe Construction Method Code = V (driven), HA = Hand Augered

Sample Method: LARGE-BORE SAMPLER

Hammer Weight/Drop: NA

Borehole Diameter: 1.375"

Started, Time: 0827 Date: 7-12-94

Completed, Time: 1040 Date: 7-12-94

Notes: BACKGROUND VALUES AT START-UP
OVA = 0.8
BZ = 80 cpm

HNu/FID	0.8				
BZ (cpm)	80				
Time	0827				
Date	7-12-94				

Total Depth: 32' Casing Depth:

Screened Interval:

Sand Pack, #3: #0:

Well Development Method:

Time: Date: Flow Rate:

Geophysical Logs, Type:

By: Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD	HNu/FID Reading	Analyses		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
KAFB-RBH-23-0807 @ 0830			24	22		0.8 0.8	VOC-GRO, EXC-DRO, RAD, METALS		SDSL	SM	1 2 3 4			@ 5': (SM) SILTY SAND (10YR, 8/4) VERY PALE BROWN, DRY, MED. DENSE, SUBANG. VFG-FG. 30-35% SILT. COARSE FRAC = <5% GRAIN ROCK FRAG UP TO 3MM.
			BY=80			0.8 0.8								
			24	22		0.7 0.7			SDSL	SM	5 6			@ 7': (SM) SILTY SAND (10YR, 8/4) VERY PALE BROWN, DRY, MED. DENSE, VFG-FG, SUBANG. ±20% SILT. COARSE FRAC <1% UP TO MED. GRAINED SAND.
			BY=80			0.7 0.7								
KAFB-RBH-23-0812 @ 0305			24	21		0.7 0.7	SVOC-DRO, RAD			SM	8 9			@ 10': (SM) VFG-FG, SUBANG. SILTY SAND (10YR, 7/4) VERY PALE BROWN, DRY, MED. DENSE, ±20% SILT COARSE FRAC = ±5%: SUBANG. COARSE SAND, FRAG. ROCK FRAG. UP TO 8MM.
			BY=80			0.7 0.7			SDSL		10			

7-12-94

Halliburton NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56 | Borehole/Well No.: KAFB-RB11-23

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Interval (cm)	HNu/FID	Analysis	Lithology Code	Depth (ft)	Recovery	Contact
KAFB-RB11-23-1317 @ 0930			24	22	RO	0.9	VOC-GRO, SVOC-DRO, RAD, METALS	(SM)	1		
					80	0.7					
			BR=80		80	0.7		SDSL	2		
					80	0.7					
			24	22	80	0.7		SDGR (SW)	3		
					80	0.7					
					80	0.7			4		
					80	0.7					
			24	22	80	0.8		(SW)	5		
					80	0.8					
					80	0.8		SD	6		
					80	0.8					
KAFB-RB11-23-1822 @ 0955			24	20	80	0.9	VOC-GRO, SVOC-DRO, RAD, METALS	(SW)	7		
					80	0.9					
					80	0.9		SD	8		
					80	0.9					
			24	21	80	0.9		(SM)	9		
					80	1.0					
					80	0.9		SDSL	10		
					80	0.9					
KAFB-RB11-23-2832 @ 1030			24	24	80	1.0	SVOC-DRO, METALS	(SM)	11		
					80	0.9					
					80	0.9		SDSL	12		
					80	0.9					

@ 12': (SM) FG SILTY SAND (10YR, 7/4) VERY PALE BROWN, SUBANG SUBRD. DRY 15-20% SILT. COARSE FRAC = ±10%. ±20% COARSE ANG SAND, 20% IG ROCK FRAGS. GRF TO ~~0.3~~ 8 MM. MAG 7-12-99

@ 15': (SW) FINE TO COARSE GRANITIC SAND, MED DR (10YR, 7/3) VERY PALE BROWN, ANG-SUBANG. ± 5% SILT. GRAVEL FRAC = ± 20% 100% IG\MET ROCK FRAGS UP TO ~~0.8~~ 10 MM ANG TO SUBANG. MAG 7-12-99

@ 17': (SW) V FG. TO COARSE SAND. (10YR, 7/3) VERY PALE BROWN, DRY, LOOSE TO MED. DENSE, GR ANG - SUBANG. ± 5% SILT. GRAVEL FRAC ± 10%. 100% QTZ\GRF UP TO ~~0.2~~ 5 MM. MAG 7-12-99

@ 20': (SW) VFG TO COARSE WELL GRADED SAND (10YR, 6/3) PALE BROWN, DRY, LOOSE, IG\GR SUBANG. < 5% SILT. GRAVEL FRAC = ± 5% 100% IG ROCK FRAG UP TO ~~0.8~~ 5 MM. MAG 7-12-99

@ 22': (SM) VFG TO FG SILTY SAND (10YR, 7/3) VERY PALE BROWN, DRY, MED DENSE, SUBANG ± 20% SILT. COARSE FRAC = ± 5% SUBANG. GRF UP TO ~~0.2~~ 4 MM. MAG 7-12-99

@ 30': (SM) VFG - FG SILTY SAND (7.5YR\7/3) PINK, DRY, DENSE, SUBANG\SUBRD. ± 25% SILT. COARSE FRAC = ± 5% COARSE GRANITIC\QTZ SAND, SUBANG - SUBRD.

CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56

Borehole/Well No.: KAFB-4BH-23

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond'n (Code)	HNu/PID	Analysis		Lithology Code		Depth (ft)	Recovery	Contact
			24	22	80	1.0	VOC, Cal.	RAD.	(SM)		31		
					80	1.0							
					80	1.0			SDSL		32		
					80	1.0							

@ 32'. (SM) VFG-FG SILTY SAND (10YR, 7/4) VERY PALE BROWN, DRY, MED. DENSE, SUBANG-SUBRD, ~ 25% SILT COARSE FRAC. = ± 5% COARSE GRANITIC QTZ SAND, S-BANG.

8-1-94

TN R.G. #1808

CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION: See B. Hill's Master Location Map

Project: KAFB Stage 2D	Borehole/Well No: KAFD-RB11-24
	Job No: 2A96
Logged By: Mark Gaeman	Edited By:
Project Manager: K. Walter	Drill Rig: Geoprobe
Drilling Contractor: BRE	
Driller/Helper: B. Wolfe	
Drilling Method: Geoprobe Construction Method Code = V (driven), HA = Hand Augered	
Sample Method: LARGE-BORE SAMPLER	
Hammer Weight/Drop: N/A	Borehole Diameter: 1.375"
Started, Time: 1105	Date: 7-13-94
Completed, Time: 1340	Date: 7-13-94

Notes:

HNu/FID	2.5	5				
β-γ (cpm)	80	80-100				
Time	1110	1330				
Date	7-13-94	7-13-94				

Total Depth: 32' | Casing Depth:

Screened Interval:

Sand Pack, #3: #0:

Well Development Method:

Time: Date: Flow Rate:

Geophysical Logs, Type:

By: Date:

Sample ID	Sampler Type / depth	Blows / 6 inch	Inches Driven	Inches Recovered	Sample Conditions / RQD: β-γ (cpm)	HNu/FID Reading	Analyses		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
KAFB-RB11-24-0307 R1120			24	24	80	2.5	VOC-GEO, BNA-PEST, RAD, METALS		(SP)	SDFN	3			0.5': (SP) VFG-FG SAND (10YR, 7/4) VERY PALE BROWN, MED. DENSE, DRY, SUBRD-SUBANG. 5-10% SILT, COARSE FRAC = ± 10% - 50% COARSE SUBRD SAND, 50% SUBANG FINE GRF GRAVEL, UP TO 7mm.
			24	23		2.0			(SP)		6			6.9': (SP) VFG-FG SAND (10YR, 7/4) VERY PALE BROWN, MED. DENSE, DRY, SUBRD-SUBANG. ± 10% SILT. COARSE FRAC = ± 5% FINE GRAVEL, SUBANG, UP TO 4mm.
KAFB-24-0BYE R1138			24	17	NA 80	NA 2.5	SVOC, DRO, METALS		(SW)	SDGR	8			9.4': (SW) VFG-V.COARSE SAND (10YR, 6/3) PALE BROWN, MED. DENSE, DRY, SUBANG. <5% SILT - GRAVEL FRAC = ± 25% FINE to MEDIUM GRF, SUBANG.
					25	2.0					10			

BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Page

Project / Job No.: KAFB 2B 2A56

Borehole / Well No.: KAFB-RB11-24

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recovd	Sample Cond.	HNu/PID	Analysis	Lithology Code	Depth (ft)	Recovery	Contact
KAFB-RB11-24-1217 @ 1150			24	21		2.0	VOC-GRO, RAD	(SP)	1		
					↓	↓		SDFN			
					80	2.0			2		
			24	13	80	2.5		(SW)	3		
						3.0					
						2.5	VOC-GRO, SVOC-DRO, RAD, METALS	SDGR	5		
			24	24				(SW)	6		
					↓	↓		SDGR			
					80	2.5			7		
KAFB-RB11-24-1822 @ 1300			24	22	80	3.5		(SW)	8		
									9		
								SD	10		
			24	22				(SW)			
					↓	↓	VOC-GRO, SVOC-DRO, RAD, METALS		11		
					80	3.5		SD	12		
									13		
									14		
									15		
									16		
									17		
									18		
									19		
									20		
									21		
									22		
									23		
									24		
									25		?
									26		
									27		
									28		
KAFB-RB11-2A-2832 @ 1330			24	24	80	4.0	SVOC-GRO, METALS	(SP)	29		
					↓	↓		SDFN			
						4.0			30		

@ 11.8' (SP) VFG-FG SAND (10YR, 4/4) LT. YELLOWISH BROWN, MED. DENSE, SL. MOIST, SUBRD. 10-15% SILT. COARSE FRAC = <1%.

@ 13': (SW) VFG-V COARSE SAND (10YR, 4/3) PALE BROWN, LOOSE, DRY, SUBRD-SUBANG <5% SILT GRAVEL COARSE FRAC = ± 20% - FINE GRF GRAVEL, S-SUBANG.

@ 17': (SW) VFG-V COARSE SAND (10YR, 4/3) PALE BROWN, LOOSE, DRY, SUBANG-SUBRD. <5% SILT. GRAVEL FRAC = 25% & COBBLES STONE UP TO 2 CM, ANG.

19.8': VFG-V. COARSE SAND (10YR, 7/2) LIGHT GRAY, MED. DENSE, DRY, SUBANG-SUBRD. (GRF)

20.5': FG-V COARSE SAND (10YR, 7/2) LIGHT GRAY, MED. DENSE, DRY, SUBANG (GRF) GRAVEL COARSE FRAC = ± 15% FINE (GRF), SUBANG, UP TO 5 MM.

30': (SP) VFG-FG SAND (10YR, 6/4) LT. YELLOWISH BROWN, MED. DENSE, DRY, SUBRD. ± 10% COARSE FRAC <1%

HALLIBURTON NUS CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No. KAFB 2B 2A56

Borehole/Well No. KAFB-RB11-24

Notes

Sample ID	Sampler Type	Blows / 6 inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/FID	Analysis		Lithology Code		Depth (ft)	Recovery	Contact
			24	24	↓ 80	5.0 ↓ 5.0	VOC-GRO, RAD		(SW) SDGR		31 – 32		

32': (SW) VFG - V. COARSE SAND (10YR, 7/2) PALE BROWN, MOD. DENSE, DRY, SUBANG (GRAINS) GRAVEL FRACT ±30% FINE, GRF, SUBANG-ANG, UP TO 8 MM.

8-1-94

TN RG #1808

BOREHOLE / WELL CONSTRUCTION LOG

Page 1 of 1

BOREHOLE LOCATION
See B. Hill's Master Location Map.

Project: KAFB Stage 2D

Borehole/Well No: KAFB-RB11-25

Job No: 2A96

Logged By: Mark Garman

Edited By:

Project Manager: K Walter

Drill Rig: Geoprobe

Drilling Contractor: BRE

Driller/Helper: B. Wolfe

Drilling Method: Geoprobe Construction Method Code = V (driven), HA = Hand Augered

Sample Method: LARGE-BORE SAMPLER

Hammer Weight/Drop: NA

Borehole Diameter: 1.25"

Started, Time: 0800 Date: 7-13-94

Completed, Time: 1045 Date: 7-13-94

Notes:
COLLECTED REPLICATE, BACKGRD MS/MSD @ 3-7', 8-12' INTERVALS USING ADJACENT BOREHOLE 0.5' SW OF 32' HOLE. (RB11-25B)

HNu/FID	3.7					
β-γ (cpm)	80					
Time	0800					
Date	7-13-94					

Total Depth: 32' Casing Depth:

Screened Interval:

Sand Pack, #3: #0:

Well Development Method:

Time: Date: Flow Rate:

Geophysical Logs, Type:

By: Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Conductivity / RAD (β-γ (cpm))	HNu/FID Reading	Analytes		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
KAFB-RB11-25-0307 AND KAFB-RB11-24-0307 @ 0840 (RLY)			24	22	80	5.0	VOC-BRO, SVOC-BRO, RAD, METALS		(SM)		1			@ 3.5': (SM) VFG-FG SILTY SAND (10YR, 8/3) VERY PALE BROWN, LOOSE-MED. DENSE, DRY, SUBRD. ± 25% SILT. COARSE FRAC = 10% - 20% MED-COARSE SUBRD GRFSAND, 20% FINE L. STONE GRAVEL UP TO 4 mm.
						3.5			SDSL		2			
						3.5					3			
			24	22		5			(SM)		4			
						4.5					5			
						4			SDSL		6			@ 6.8': (SM) VFG-FG SILTY SAND (10YR, 7/3) VERY PALE BROWN, DENSE, DRY, SUBRD. ±20% SILT. COARSE FRAC = ± 10% MED GRF QTZ SAND, SUBRD.
					80	3.5					7			
KAFB-RB11-25-0315 @ 0915 (MS/MSD)			24	20	80	2.5	SVOC-BRO, METALS		(SP)		8			@ 8.5': (SP) VFG-FG SAND (10YR, 6/4) LIGHT YELLOWISH BROWN, LOOSE, DRY, SUBRD. ± 10% SILT. COARSE FRAC = 20% - 75% MED SAND, SUBRD; 25% FINE GRAVEL, SUBRD., 1% CLASTS UP TO 5 mm
									SDFN		9			
											10			

CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No. KAFB 2B 2A56

Borehole/Well No.: KAFB-RB11-25

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cont. Ft.	HNu/FID	Analysis	Lithology Code	Depth (ft)	Recovery	Contact
KAFB-RB11-25-1317 @ 0945			24	21	0	2.5	VOC-GRO, RAD,	(SM)	11		
					↓	3.5					
					80	2.5	VOC-GRO,	SDSL	12		
						2.5					
									13		
			24	18	80	2.5		(SW)	14		
							VOC GRO SVOC-DRO, RAD, METALS	SD			
			24	24				(SW)	15		
					↓	↓			16		
					80	2.5		SDGR	17		
KAFB-RB11-25 @ 1005			24	22	80	3.5		(SW)	18		
									19		
					↓	↓	VOC-GRO, SVOC-DRO, RAD, METALS	SDGR			
						3.5			20		
			24	22		2.5		(SP)			
					↓	↓			21		
					80	2.5		SPFN	22		
									23		
									24		
									25		
									26		
									27		
KAFB-RB11-7932 @ 1038			24	21	80	2.0	SVOC-DRO, METALS	(SM)	28		
					↓	↓		SDSL	29		
									30		

@ 1125': (SM) VFG-FG SILTY SAND (10YR, 7/4) VERY PALE BROWN, MED. DENSE, SL. MOIST, SUBRD-SUBANG, 15-20% SILT, COARSE FRAC = 10% - 50% MED. SUBRD. SAND, 50% FINE, SUBRD GRAV UP TO 4 mm.

@ 13.5': (SW) V.FG TO V COARSE SAND (10YR, 6/3) PALE BROWN, LOOSE, DRY, SUBANG. <5% SILT. GRAVEL FRAC = ± 15% FINE GRF, SUBANG-ANG, PEBB. & STOVE, UP TO 15 mm.

@ 17': (SW) VFG - V COARSE SAND (10YR, 7/6) LIGHT GRAY, MED. DENSE, DRY, SUBANG. ± 5% SILT. GRAVEL FRAC = 20% - 50% FINE ANG GRF, SUBANG GRAV. (GRF). 50% SMALL ANG COBBLES UP TO 22 mm.

@ 19.7': (SW) VFG - V. COARSE SAND (10YR, 7/1) LIGHT GRAY, LOOSE, DRY, SUBANG-SUBRD. <5% SILT. GRAVEL FRAC = 30% FINE GRF GRAVEL, UP TO 9 mm. SUB ANG

@ 21.8': (SP) VFG - FG SAND (10YR, 6/4) LIGHT YELLOWISH BROWN, DENSE, DRY, SUBRD. ± 10% SILT. COARSE FRAC = 5-10% FINE LS\GRF GRAVEL, ANG-SUBANG, UP TO 5 mm.

@ 29.5': (SM) VFG-FG SILTY SAND (10YR, 6/4) LIGHT YELLOWISH BROWN, MED. DENSE, SL. MOIST, SUBRD. 15-20% SILT. COARSE FRAC = 25% FINE, ANG. L.S. GRAVEL, UP TO 6 mm.

CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56

Borehole/Well No.: KAFB-RB11-25

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Code	HNu/PID	Analysis	Lithology Code	Depth (ft)	Recovery	Contact
			24	21			VOCs (8260), LEAD,	SM	31		
					↓	↓		SDSK			
					80	2.0			32		

@ 31.5': (SM) VFG-FG SILTY SAND (10YR, 4/4, LIGHT YELLOWISH BROWN), MED. DENSE, SL. MOIST, SUBRD, 15-20% SILT, COARSE FRAC = <5% · FINE SUBANG. GRAINED, UP TO 5 MM.

8-1-94

TN RG #1808

CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION
See B. HILL'S MASTER LOCATION MAP

Project: KAFB Stage 2 D

Borehole/Well No: KAFB-RB11-26

Job No: 2A96

Logged By: MARK GARMAN

Edited By:

Project Manager: K. Walter

Drill Rig: Geoprobe

Drilling Contractor: BRE

Driller/Helper: B. Wolfe

Drilling Method: Geoprobe Construction Method Code = V (driven), HA = Hand Augered

Sample Method: LARGE-BORE SAMPLER

Hammer Weight/Drop: N1

Borehole Diameter: 1.375'

Started, Time: 0935 Date: 7-18-94

Completed, Time: 1120 Date: 7-18-94

Notes:

HNu/FID	0.8					
β-γ (cpm)	80					
Time	0940					
Date	7-18-94					

Total Depth: 32' Casing Depth:

Screened Interval:

Sand Pack, #3: #0:

Well Development Method:

Time: Date: Flow Rate:

Geophysical Logs, Type:

By: Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	~~Sample Condition / RQD~~ 13 Y (<P~)	HNu/FID Reading	Analyses		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact
KAFB-RB11-26-0307 @ 0950			24	24	80	0.8	VOC-GRO, SVOC-DRO, RAD, METALS		SDFN		1 2 3 4 5 6 7 8 9 10		
			24	24	80	0.8			SDSL				
KAFB-RB11-26-0912 @ 0959			24	24	80	0.8	SVOC-DRO, METALS		SDSL				

LITHOLOGIC DESCRIPTIONS

5': (SP) VFG-FG SAND (10YR, 7/4) V. PALE BROWN, DENSE, DRY, SUBRD ± 10% SILT COARSE FRAC = ± 10% FINE GRAVEL 1G\MET RF, SUBANG, UP TO 8 MM.

7': (SM) VFG-FG SILTY SAND (10YR, 7/4) V. PALE BROWN, MOD. DENSE, SL. MOIST, SUBRD. ± 20% SILT · COARSE FRAC = ± 10% MED QTZ SAND - FINE GRAVEL, 1G\MET RF, SUBRD-SUBANG, UP TO 1.7 CM.

10': (SM) VFG-FG SILTY SAND (10YR, 6/6) BRIGHT YELLOW, LOOSE, SL. MOIST, SUBRD, ± 40% SILT COARSE FRAC: < 1%.

CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG (CONT.)

Page ___ of ___

Project / Job No.: KAFB 2B 2A56 | Borehole/Well No.: KAFB-RB11-26

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cont'd	HNu/FID	Analysis	Lithology Code	Depth (ft)	Recovery	Contact
			24	23	↓ 80	↓ 0.8	VOC-GRO, RAD	SDSL	1		
			~~23~~ rec						2		
KAFB-RB11-26-1317 @ 1016			24	23	80	0.8	VOC-GRO, SVOC-DRO, RAD, METALS	GWS	3		
					↓ 80	↓ 0.8			4		
			24	23			VOC-GRO, SVOC-DRO, RAD, METALS	SD	5		
									6		
									7		
KAFB-RB11-26-1022 @ 1038			24	22	80	0.8	VOC-GRO, SVOC-DRO, RAD, METALS	SD	8		
									9		
			24	22				SD	10		
					↓ 80	↓ 0.8			11		
									12		
									13		
									14		
									15		
									16		
									17		
									18		
									19		
									20		
									21		
									22		
									23		
									24		
									25		?
									26		
									27		
KAFB-RB11-26-2832 @ 1115			24	24	80	0.8	SVOC-DRO, METALS	SDSW	28		
					↓	↓			29		
									30		

11.5': (SM) VFG-FG SILTY SAND (10YR, 7/3) V. BROWN, MED. DENSE, DRY, SUBRD. ±25% SILT. COARSE FRAC = ±20% - COARSE GRAVEL, 16/MGT/L.STONE RF, ANGS UP TO 2.2 cm.

14.9': (GP) FINE GRAVEL (10YR, 7/1) LT. GRAY, LOOSE, DRY, ANG, PRED. L.STONE, TYP 5a UP TO 2 cm RF. ±15% VFG-V. COARSE SAND, ANG-SUBANG.

16.9': (SW) VFG-V. COARSE SAND (10YR, 7/3) PALE BROWN, LOOSE, DRY, SUBANG, GRF ±5% SILT. GRAVEL FRAC = <1%.

19.8': (SW) FG-V. COARSE SAND (10YR, 7/2) LT. GRAY, MED. DENSE, DRY, GRF, SUBAN GRAVEL FRAC = ±10% FINE, GRF, SUBANG UP TO 7 mm.

21.8': (SW) VFG-V. COARSE SAND (10YR, 7/2, LT. GRAY, MED. DENSE, DRY, GRF, SUBANG GRAVEL FRAC ±15% FINE, GRF, SUBA UP TO 1 cm.

30': (SP) VFG-FG SAND (10YR, 6/4) LT. YELLOWISH BROWN, MED. DENSE, SL. MOIST, SUBRD ± 10% COARSE FRAC <1%.

CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Page 2 of ...

Project / Job No. KAFB 2B 2A56

Borehole/Well No. KAFD-RR11-26

Notes:

32' (GP) INSUFFICIAT SAMPLE FOR DETAILED LITH. DESCRIPTION. FINE GRAVEL/GRF GRAVEL.

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Code	HNu/FID	Analysis	Lithology Code	Depth (ft)	Recovery	Contact
			24	24	80	0.8	VOC+GRO, (RAD)	NDS	31		
									32		
									33		
									34		
									35		
									36		
									37		
									38		
									39		
									40		
									41		
									42		
									43		
									44		
									45		
									46		
									47		
									48		
									49		
									50		
									51		
									52		
									53		
									54		
									55		
									56		
									57		
									58		
									59		
									60		
									61		
									62		
									63		

Mark Hamm 8-1-94
TN RG. # 1808

BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION: See B. Hill's master location map.	Project: KAFB Stage 2D
	Borehole/Well No: KAFB-RB11-27
	Job No: 2A96
	Logged By: Mark Gaeman
	Edited By:
	Project Manager: K. Walter
	Drill Rig: Geoprobe
	Drilling Contractor: BRE
	Driller/Helper: B. Wolfe
	Drilling Method: Geoprobe Construction Method Code = V (driven), HA = Hand Augered
	Sample Method: LARGE-BORE SAMPLER
	Hammer Weight/Drop: NA
	Borehole Diameter: 1.375"
	Started, Time: 1215 Date: 7-18-94
	Completed, Time: 1420 Date: 7-18-94

Notes: DRILLED RB11-27D 0.75' NW OF RB11-27 TO OBTAIN SUFFICIENT VOLUME FOR DUPLICATE = 3-7' AND PREPARE SPLIT-DUPLICATE @ 18'-20'.

HNu/FID	0.8+0					
BZ (cpm)	80					
Time	1215					
Date	7-18-94					

Total Depth: 32' Casing Depth:

Screened Interval:

Sand Pack, #3: #0:

Well Development Method:

Time: Date: Flow Rate:

Geophysical Logs, Type:

By: Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD / BZ (cpm)	HNu/FID Reading	Analyses		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
KAFB-RB11-27-0212 @ 1240	KAFB-RB11-27-0227		24	24	80	1.0	VOC-GRO, SVOC-DRO, RAD, METALS		SP-SC		3			5': (SM) VFG-FG SILTY SAND (10YR, 8/2) PINKISH WHITE, MED. DENSE, DRY, SUBRD. ±20% SILT, COARSE FRAC <1%.
			24	24	80	1.0			SP-FM		5			7': (SP) VFG-FG SAND (10YR, 8/2) PINKISH WHITE MED. DENSE-DENSE, DRY, SUBRD. ±10% SI CALICHE THROUGHOUT.
KAFB-RB11-27-0412 @ 1300			24	22	80	1.0	SVOC-DRO, METALS		GW-GP		8			9.8': (GP) FINE GRAVEL (10YR, 7/2) LT. GREY GRF, MED. DENSE, DRY, SUBANG. UP TO 1 cm. ±20% VFG-V. COARSE SAND SUBANG, GRF.
											10			

BOREHOLE / WELL CONSTRUCTION LOG (cont.)

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Project / Job No: KAFB 2 D 2A96 | Borehole / Well No: KAFB-RB11-27

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Code	Handled	Analysis	Lithology Code	Depth (ft)	Recovery	Contact
			24	18	80	1.0	VOC-GRO, RAD	SD	11		
									12		
									13		
KAFB-RB11-27-1314 @ 1312			24	19	80	0.8	VOC-GRO, SVOC-DRO, RAD, METALS	SD	14		
						0.8			15		
			24	18		1.0		SD	16		
					80	1.0			17		
KAFB-RB11-27-1822 @ 1843			24	21	80	1.0	VOC-GRO, SVOC-DRO, RAD, METALS	SD	18		
									19		
									20		
			24	20				SD	21		
					80	1.0			22		
									23		
									24		
									25		
									26		
									27		
KAFB-27-2832 @ 1420			24	22	80	1.0	SVOC-DRO, METALS	GW-GP	28		
									29		
									30		

11.5': (SW) VFG-MED SAND (10YR, 6/4) LT. YELLOWISH BROWN, MED. DENSE, SL. MOIST, SUBRD. ± 10% SI/CT. COARSE FRAC = ± 15% - COARSE SAND - FINE GRAV, QTZ, SUBANG, UP TO 4 MM.

14.6': (SW) VFG - V. COARSE SAND (10YR, 7/2) LT. GRAY, LOOSE, DRY, SUBRD - SUBANG, GRF.

16.5': (SW) VFG - V COARSE SAND (10YR, 7/2) LT. GRAY, LOOSE, DRY, SUBRD - SUBANG, GRF. GRAVEL COARSE FRAC = ± 10% - FINE, GRF, SUBRD - SUBANG, UP TO 8MM.

18.5': (SW) VFG - V. COARSE SAND (10YR, 7/2) LT. GRAY, LOOSE, SL. MOIST, SUBRD., GRF. GRAVEL FRAC = ± 10% FINE, GRF, SUBRD, UP TO 4 MM.

21.7' (SW) VFG - COARSE SAND (10YR, 7/2) LT. GRAY, LOOSE, DRY, GRF, SUBRD - SUBANG. GRAVEL FRAC = ± 15% V. COARSE SAND - FINE GRAVEL, GRF, SUBANG - SUBRD, UP TO 1.1 cm.

29.8': (GM) GRAVEL (FINE) - SAND (VFG - FG) SILT (10YR, 6/4) LT. YELLOWISH BROWN, MED. DENSE, SL. MOIST, SUBRD, FG/MET RF, ± 25% SILT. ± 25% VFG - FG SAND, SUBRD.

CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No.: KAFB 2B 2A56

Borehole/Well No.: KAFB-RB11-27

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recovd	Sample Cond.	HNu/FID	Analysis		Lithology Code		Depth (ft)	Recovery	Contact
			24	23							31		
					↓ 80	↓ 1.0	VOC, GRO, RAD		GVSP		32		
											33		
											34		
											35		
											36		
											37		
											38		
											39		
											40		
											41		
											42		
											43		
											44		
											45		
											46		
											47		
											48		
											49		
											50		

31.5': (GP) FINE GRAV. (SANDY) (10YR, 7/2) LT. GRAY, LOOSE, DRY, SUBANG, 1G/MET R, ±25% VFG-V.COARSE SAND, GRF, SUL

8-1-94

TN R.G.#1808

CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION
See B. HICKS MASTER LOCATION MAP.

Project: KAFB Stage 2D

Borehole/Well No: KAFB-RB11-28

Job No: 2A96

Logged By: MARK GARMAN

Edited By:

Project Manager: K. Walter

Drill Rig: Geoprobe

Drilling Contractor: BRE

Driller/Helper: B. Wolfe

Drilling Method: Geoprobe Construction Method Code = V (driven), HA = Hand Augered

Sample Method: LARGE-BORE SAMPLER

Hammer Weight/Drop: NA

Borehole Diameter: 1.375"

Started, Time: 1440 Date: 7-18-94

Completed, Time: 1655 Date: 7-18-94

Notes:

HNu/FID	1					
β-γ (cpm)	80					
Time	1430					
Date	7-18-94					

Total Depth: 32' Casing Depth:

Screened Interval:

Sand Pack, #3: #0:

Well Development Method:

Time: Date: Flow Rate:

Geophysical Logs, Type:

By: Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD (cm)	HNu/FID Reading	Analyses		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
KAFB-RB11-28-0300 @ 1500			24	23	80	1.0	VOC-GRO, SVOC-DRO, RAD, METALS		SD/FN		1 2 3 4 5 6 7 8 9 10			4.9': (SP) VFG-FG SAND (10YR, 7/4) V. PALE BROWN, DENSE, DRY, SUBRD. ±10% SILT, COARSE FRAC = ±15% V. COARSE SAND - FINE GRAV, KG/MET RF, ANG, UP TO 8 MM. (CALICHE THRU-OUT)
			24	24	80	1.0			SD/FN					7': (SP) VFG-FG SAND (10YR, 7/4) V. PALE BROWN, DENSE, DRY, SUBRD - 10-15% SILT (CALICHE THRU-OUT) COARSE FRAC = ±10% - FINE, KG/MET RF, ANG UP TO 1 CM.
KAFB-RB11-28-0827 @ 1527			24	12	NA NA	NA NA			NDPS					8.9': (SP) INSUFFICIENT RECOVERY FOR DETAILED LITH. DESCRIPTION.
KAFB-RB11-28-0827 @ 1527			24 NA	12 NA	80	1.0	SVOC-DRO, METALS		NDPS					

BOREHOLE / WELL CONSTRUCTION LOG

Project / Job No: KAFB 2 D 2A96 | Borehole / Well No: KAFB-RB11-28

Notes: 12-12' INTERVAL SPLIT TWICE FOR ANALYSIS

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Depth (ft)	HNu/PID	Analysis	Lithology Code	Depth (ft)	Recovery	Contact	
			24	18	80	1.0	VOC-GRO, BTEX	SD	11			10.5': (SW) FG-V.COARSE SAND (10YR, 7/3) PALE BROWN, LOOSE, DRY, SUBANG. ±15% FINE GRAV, 1G/MET RF, SUBANG, UP TO 7.
									12			
									13			13.5': (SP) VFG-FG SAND (10YR, 7/2) LT. GRAY, MED. DENSE, DRY, SUBRD. ±15% SILT. COARSE FRAC = ±15% MED. SAND - FINE GRAV, 1G/MET RF, SUBANG, UP TO 1.1cm
KAFB-RB11-28-1317 @ 1548			24	24	80	1.0	VOC-GRO, SVOC-DRO, RCRA METALS	SDFN	14			
									15			17': (SW) VFG-V.COARSE SAND (10YR, 7/2) LT. GRAY, MED. DENSE, DRY, SUBANG-SUBRD, GRF, ±5% SILT. GRAVEL FRAC = ±10% - FINE, 1G/MET RF, SUBANG-SUBRD, UP TO 9MM.
			24	24	80	1.0		SD	16			
									17			
									18			19.8': (SW) VFG-V.COARSE GRAVELLY SAND (10YR, 7/2) LT. GRAY, LOOSE, DRY, SUBANG, 1G/MET RF, ±5% SILT. GRAVEL FRAC = ±35% - FINE, 1G/MET RF, SUBANG, UP TO 4
KAFB-RB11-28-1842 @ 1720			24	22	80	1.0	VOC-GRO, SVOC-DRO, RCRA METALS	SDGR	19			
									20			22': (SP) VFG-FG SAND (10YR, 7/4) V. PALE BROWN, MED DENSE, DRY, SUBRD. ±10% SILT, COARSE FRAC = <1%.
			24	24	80	1.0		SDFN	21			
									22			
									23			
									24			
									25			
									26			
									27			
KAFB-RB11-28-2852 @ 1695			24	24	80	1.0	SVOC-DRO, METALS	SDFN	28			30': (SP) VFG-FG SAND (10YR, 7/4) V. PALE BROWN, DENSE, DRY, SUBRD. ±15% COARSE FRAC = ±10% - V.COARSE SAND - FINE GRAV, 1G/MET GRF, SUBANG, UP TO 5MM
									29			
									30			

CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No. KAFB 2B 2A56 | Borehole / Well No. KAFB-RB11-2E

Notes

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond't	HNu/FID	Analysis		Lithology Code	Depth (ft)	Recovery	Contact
			24	22	↓ 80	↓ 1.0	VOC-GRO, RAD		SDFN	31		
										32		
										3		
										4		
										5		
										6		
										7		
										8		
										9		
										0		
										1		
										2		
										3		
										4		
										5		
										6		
										7		
										8		
										9		
										0		

30.5' (SP) VFG-FG SAND (10YR, 7/4) v. PALE BROWN, MED DENSE, DRY, SUBRD, ± 15% SILT, COARSE PEAK = < 1%

8-1-94

TN RG # 1808

CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION
See B. HILL'S MASTER LOCATION MAP.

Project: KAFB Stage 2D
Borehole/Well No: KAFB-RB11-29
Job No: 2A96
Logged By: MARK GARMAN
Edited By:
Project Manager: K. Walter
Drill Rig: Geoprobe
Drilling Contractor: BRE
Driller/Helper: B. Wolfe
Drilling Method: Geoprobe Construction Method Code = V (driven), HA = Hand Augered
Sample Method: LARGE-BORE SAMPLER
Hammer Weight/Drop: NA
Borehole Diameter: 1.375"
Started, Time: 1030 Date: 7-14-94
Completed, Time: 1230 Date: 7-14-94

Notes: ADJACENT BOREHOLE (RB11-29D) UTILIZED TO OBTAIN REPLICATE FROM 3-7' AND MS\MSD FROM 8-12'. LOCATED N85°W FROM RB11-29. PRC SPLIT SAMPLE OBTAINED @ 28-32' INTERVAL OF RB11-29.

HNu/FID	5.8					
BH (cpm)	80					
Time	1030					
Date	7-14-94					

Total Depth: 32' Casing Depth:
Screened Interval:
Sand Pack, #3: #0:
Well Development Method:
Time: Date: Flow Rate:
Geophysical Logs, Type:
By: Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Gamma Reading (cpm)	HNu/FID Reading	Analyses		Lithology Code	Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
KAFB-RB11-29-0307 KAFB-RB11-29-0307 RB 10MS			24	22	80	5.6	VOC-GRO, SVOC-DRO, METALS (RAD)		(SM)				4.8': (SM) VFG-FG SILTY SAND (10YR, 6/4) LT. YELLOWISH BROWN, MED. DENSE, DRY, SUBRD. ± 20% SILT. COARSE FRAC = ±5% - V. COARSE SAND - FINE GRAVEL, GRF, SUBANG, UP TO 4mm.
			24	18					(SP)				6.5': (SP) VFG-FG SAND (10YR, 6/6) LT. YELLOWISH BROWN, MED. DENSE, DRY, SUBRD. ± 10% SILT. COARSE FRAC = 15% COARSE SAND - FINE GRAVEL, GRF, SUBANG, UP TO 6mm.
					80	5.6			SDFN				
KAFB-RB11-29-0810 RB 11MD (MS\MSD)			24	23	80	5.8	SVOC-DRO, METALS		(SM)				9.9': (SM) VFG-FG SILTY SAND (10YR, 7/4) VERY PALE BROWN, MED. DENSE, DRY, SUBRD. 15-20% SILT. COARSE FRAC = ±15% - NE SAND - FINE GRAVEL, GRF, SUBANG, UP TO 4mm.
									SDSL				

(KEY)

CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG (cont.)

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Project / Job No. KAFB 2B 2A56 | Borehole/Well No. KAFB-RB11-29

Notes

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond. Type	HNu/FID	Analysis	Lithology Code	Depth (ft)	Recovery	Contact
KAFB-RB11-29-1317 @ 1130			24	24	80	5.8	VOC-GRO, RAD	(SP)	1		
					80	5.8		SDFN	2		?
									3		
			24	24	80	6		(SW)	4		
						6					
						6.6	VOC-GRO, SVOC-DRO, 12 MD, METALS	SD	5		
						6.6					
			24	18		5.7		(SW)	6		
						5.7					
						6.2		SD			
					80	5.7			7		?
									8		
KAFB-RB11-29-1155 @ 1155 SB2			24	20	80	5.2		(GP)	9		
						5.4					
						6.0	VOC-GRO, SVOC-DRO, 12 MD, METALS	GWLG			
						5.2			10		
			24	20		5.0		(SW)			
						5.0			11		
						5.5		SD			
					80	5.0			12		
									13		
									14		
									15		
									16		
									17		
									18		
									19		
									20		
									21		
									22		
									23		
									24		
									25		?
									26		
									27		
KAFB-RB11-29-2832 @ 1230			24	24	80	4.7 4.3	SVOC-DRO, METALS	(SP)	28		
								SDFN	29		
									30		

12': (SP) VFG-FG SAND (10YR, 6/4) LT. YELLOWISH BROWN, MED. DENSE-DENSE, DRY, SUBRD-SUBANG. ± 10% SILT. COARSE FRAC = ± 10%, V. COARSE SAND - FINE GRN, GRF, UP TO 5MM.

15': (SW) VFG-COARSE SAND (10YR, 7/2) LT. GRAY, LOOSE-MED. DENSE, DRY, SUBANG-SUBRD, GRF. ± 5% SILT. GRAVEL FRAC < 1%.

16': (SW) VFG-V. COARSE SAND (10YR, 7/2) LT. GRAY, LOOSE, DRY, SUBANG-SUBRD, GRF. GRAVEL FRAC < 15% FINE GRF GRN, SUBANG, UP TO 5MM.

19.6': (GP) FINE GRF GRAVEL (7.5YR, 7/2) PINKISH GRAY, LOOSE, DRY, ANG-SUBANG ± 30% FG-COARSE SAND, GRF. UP TO 5MM

21.7': (SW) VFG-V. COARSE SAND (7.5YR, 7/2) PINKISH GRAY, LOOSE, DRY, ANG-SUBANG, GRF. ± 5% SILT. GRAVEL FRAC = ± 15% FINE GRF GRAVEL, ANG, UP TO 5MM.

30': (SP) VFG-FG SAND (10YR, 7/3) VERY PALE BROWN, MED. DENSE, DRY, SUBRD-SUBANG. ± 5% SILT. COARSE FRAC = ± 15% COARSE SAND - FINE GRN, GRF, SUBANG, UP TO 5MM

BOREHOLE / WELL CONSTRUCTION LOG

Project / Job No: KAFB 2B 2A56

Borehole/Well No: KAFB-RB11-29

Notes

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sampler Cond.	HNu/FID	Analysis	Lithology Code	Depth (ft)	Recovery	Contact
			24	24	80	44 / 44	VOC-GRO, RAD	(SW) SDGP	31 32 33 34 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0		

GRAVELLY

32': (SW) VFG-V. COARSE SAND (10YR, 7/1) LIGHT GRAY, MOD. DENSE, DRY, SUBANGULAR CORNER FRAC. = ±25% FINE GR, SUBANG, UP TO 5mm.

Mark H. 8-1-94

TN R.G. # 1809

CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION: SEE D. HILL'S MASTER LOCATION MAP

Project: KAFB Stage 2D

Borehole/Well No: KAFB-RB11-30

Job No: 2A96

Logged By: MACK GARMAN

Edited By:

Project Manager: K. Walter

Drill Rig: Geoprobe

Drilling Contractor: BRE

Driller/Helper: B. Wolfe

Drilling Method: Geoprobe Construction Method Code = V (driven), HA = Hand Augered

Sample Method: LARGE-BORE SAMPLER

Hammer Weight/Drop: NA

Borehole Diameter: 1.375"

Started, Time: 1400 Date: 7-13-94

Completed, Time: 1635 Date: 7-13-94

Notes: ADJACENT BORING (RB11-30B) FROM 0-7' UTILIZED FOR REPLICATE SAMPLING (.75' WEST OF COMPLETE BORING). BROKE OFF NICKEL TUBE @ 32' DRILLED DOWN REPLICATE HOLE (.75' WEST) TO GET 30-32' SAMPLE.

HNu/FID	5.0	30	(OVA GETTING HOT)
β-γ (cpm)	100	100	
Time	1400	1630	
Date	7-13-94	7-13-94	

Total Depth: 32' Casing Depth:

Screened Interval:

Sand Pack, #3: #0:

Well Development Method:

Time: Date: Flow Rate:

Geophysical Logs, Type:

By: Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD (cpm)	HNu/FID Reading	Analyses		Lithology Code	Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
KAFB-RB11-30-0307 @ 1420			24	24	100	7	VOC-GRO, SVOC-DRO, RCRA METALS		(SM)	1			5': (SM) VFG-FG SILTY SAND (10YR, 6/4) LT. YELLOWISH BROWN, MED. DENSE, DRY, SUBANG-SUBRD, ±20% SILT. COARSE FRAC = ±10% GRF. V COARSE SAND - FINE GRAVEL, SUBANG, UP TO 8 MM.
						7			SDSL	2			
										3			
			24	24		7.5			(SM)	4			
										5			
					100	7.5			SDSL	6			7': (SM) VFG-FG SILTY SAND (10YR, 6/4) LT. YELLOWISH BROWN, MED. DENSE, DRY, SUBRD-SUBANG, 20-25% SILT. COARSE FRAC: <1%.
										7			
KAFB-RB11-30-0835 @ 1435										8			
			24	24	100	10	SVOC-PRO, METALS		(SP)	9			8.5': (SP) VFG-FG SAND (10YR, 6/4) LT. YELLOWISH BROWN, MED. DENSE, DRY, SUBRD. ±15% SILT. COARSE FRAC = ±10% FINE-LARGE GRAVEL, ANG-SUBANG, UP TO 8 MM.
									SDFN	10			

CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG (CONT.)

Project / Job No.: KAFB 2B 2A56 | Borehole / Well No.: KAFB-RB11-30

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/PID	Analysis	Lithology Code	Depth (ft)	Recovery	Contact
			24	16		13 17	VOC, GRO, RAD, METALS	NDPS	1		
					↓	15					
					100	13			2		
									3		
KAFB-RB11-30-1317 @ 1500			24	24	100	17.5	VOC-GRO, SVOC-DRO, RAD, METALS	(SM)	4		
								SDSL	5		
			24	24				(SM)	6		
					↓	↓		SDSL	7		
					100	17.5			8		
KAFB-RB11-30-1822 @ 1525			24	21	100	20	VOC-GRO, SVOC-DRO, RAD, METALS	(SW)	9		
						↓		SDGR	10		
						20					
			24	23		22		(SW)	11		
						30					
					↓	35		SDGR	12		
					100	22			13		
									14		
									15		
									16		
									17		
									18		
									19		
									20		
									21		
									22		
									23		
									24		
									25		
									26		
									27		
KAFB-RB11-30-2332 @ 1600			24	23	100	22.5	SVOC-DRO, METALS	(SW)	28		
					↓	↓		SD	29		
						22.5			30		

11.4': INSUFFICIENT RECOVERY FOR DETAILED LITH. DESCRIPTION.

13.5': (SM) VFG-FG SILTY SAND (10YR, 6/4) LT. YELLOWISH BROWN, MED. DENSE, DRY, SUBRD. ±25% SILT. COARSE FRAC ≤10% - FINE L. STONE GRAV., SUBANG-SUBRD, UP TO 16 mm - ~~COBBLES~~ ^AGS 7-13-20

15': (SM) VFG-FG SAND (10YR, 6/3) PALE BROWN, DENSE, DRY, SUBRD. ≈25% SILT. COARSE FRAC ≈ ±5% FINE L. STONE GRAV, SUBANG, UP TO 9 mm.

18.5': (SW) VFG - V. COARSE SAND (10YR, 7/1) LT. GRAY, MED. DENSE, DRY, SUBANG, GRF. ~~COARSE~~ GRAVEL FRAC = ±20% FINE GRF GRAVEL, SUBANG, UP TO 5 mm

21.5': (SW) VFG - V. COARSE SAND (10YR, 7/1 LT. GRAY, MED. DENSE, DRY, SUBANG, GRF GRAVEL FRAC = ±40% FINE, ~~COARSE~~ ^AGS 7-13-20 GRF, SUBANG, UP TO 11 mm.

28.5': (SW) V. FINE - V. COARSE GRANITIC SAND (10YR, 6/3) PALE BROWN, LOOSE, DRY, SUB GRAVEL FRAC = < 1%

CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No KAFB 2B 2A56 | Borehole/Well No KAFD-RB11-30

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/FID	Analysis	Lithology Code	Depth (ft)	Recovery	Contact
			24	24		30	VOC, RAD	(GP)	30		
					↓ 100	↓ 30		GVLP	32		

30.5': (GP) ~~FINE~~ ~~COARSE~~ STONG GRAVEL, ~~MED-FINE~~

(2.5Y, 4/1) GRAY, LOOSE, DRY, ANG. up to 2"

± 20% WELL GRADED SAND, SUBANG, SW,

2. STONE

Mark [signature] 8-1-94

TN R.G. #1808

BOREHOLE / WELL CONSTRUCTION LOG

Page 1 of 2

BOREHOLE LOCATION: See B. Hall's master location map.

Project: KAFB Stage 2D

Borehole/Well No: KAFB-RB11-31

Job No: 2A96

Logged By: Mark Garman

Edited By:

Project Manager: K. Walter

Drill Rig: Geoprobe

Drilling Contractor: BRE

Driller/Helper: B. Wolfe

Drilling Method: Geoprobe Construction Method Code = V (driven), HA = Hand Augered

Sample Method: LARGE-BORE SAMPLER

Hammer Weight/Drop: N/A

Borehole Diameter: 1.375"

Started, Time: 0800 Date: 7-14-94

Completed, Time: 1000 Date: 7-14-94

Notes: FINAL INTERVAL FROM 28-34' TO ENABLE OBTAINING DRC SPLIT SAMPLES.

HNu/FID	0.2	5.4				
BZ (ppm)	80	80				
Time	0800	0955				
Date	7-14-94	7-14-94				

Total Depth: 34' Casing Depth:

Screened Interval:

Sand Pack, #3: #0:

Well Development Method:

Time: Date: Flow Rate:

Geophysical Logs, Type:

By: Date:

Sample ID	Sampler Type / depth	Blows / 6 inch	Inches Driven	Inches Recovered	Sample Condition / RQD (BV (cpm))	HNu/FID Reading	Analyses		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
KAFB-RB11-31-0815 @ 0815			24	24	80	3.0	VOC-GRO, SVOC-DRO, RMA, METALS		(SM)	SDSC	3			5': (SM) VFG-FG SILTY SAND (10YR, 7/3) VERY PALE BROWN, DENSE, DRY; SUBRD. ±25% SILT COARSE FRAC = <1%
			24	24	80	4.0			(SM)	SDSC	5			7': (SM) VFG-FG SILTY SAND (10YR, 7/3) VERY PALE BROWN, DENSE, DRY, SUBRD. ±25% SILT COARSE FRAC < 1%
KAFB-RB11-31-0830 @ 0830			24	24	80	5.2	SVOC-DRO, METALS		(SM)	SDSC	8			8': (SM) VFG-FG SILTY SAND (10YR, 7/4) VERY PALE BROWN, MED. DENSE, DRY, SUBRD. ±20% SILT. COARSE FRAC < 1%.

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Project / Job No: KAFB 2B 2A56 | Borehole / Well No: KAFB-KB11-31

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond'n	HNu/FID	Analysis	Lithology Code	Depth (ft)	Recovery	Contact
			24	22			VOC-GRO (RAD)	(SP) SDFN	1		
					80	5.2			2		
									3		
KAFB-KB11-31-13/7 @ 0845			24	20	80	5.2		(SM)	4		
						5.2	VOC-GRO + SVOC-DRO (RAD), METALS	SDSC			
						5.2			5		
			24	24		5.0		(SW)	6		
					90	5.0		SDGR	7		
									8		
KAFB-KB11-32/2 @ 0905			24	23	80	5.0		(SW)	9		
						5.0		SDGR	10		
			24	24		6.0	VOC-GRO, SVOC-DRO, METALS	(SW)	11		
						5.6					
					80	5.4		SDGR	12		
						5.0			13		
									14		
									15		
									16		
									17		
									18		
KAFB-KB11-32/8 @ 0958			24	24	80	5.4	SVOC-DRO, METALS	(SP) SDFN	19		
						5.8			20		
						5.4			21		
						5.4			22		
									23		
									24		
									25		
									26		
									27		
									28		
									29		
									30		

11.8': (SP) VFG-FG SAND (10YR, 6/4) LT. YELLOWISH BROWN, MED. DENSE, DRY, SUBRD. ± 15% SILT, COARSE FRAC = ± 10% - MED-COARSE SAND, GRF, SUBRD.

13.5': VFG-FG SILTY SAND (SM) (10YR, 6/4) LT. YELLOWISH BROWN, MED. DENSE, DRY, SUBRD., ± 20% SILT, COARSE FRAC = ± 5% - MED-COARSE SAND, GRF, SUBRD.

17': (SW) VFG-V. COARSE SAND (10YR, 7/3) VERY PALE BROWN, MED DENSE, DRY, SUBANG, GRF. GRAVEL FRAC = ± 20% - GRF, SUBANG, UP TO 4mm.

19.9': (SW) VFG-V. COARSE SAND (10YR, 7/2) LIGHT GRAY, MED. DENSE, DRY, SUBANG, GRF. GRAVEL FRAC = ± 25% - GRF, SUBANG, FINE-MAGI-A-M, UP TO 1 cm.

22': (SW) VFG-V. COARSE SAND (10YR, 7/3) VERY PALE BROWN, MED. DENSE, DRY, SUBANG-ANG, GRF. GRAVEL FRAC = ± 40% - GRF, FINE TO MED G, SUBANG-ANG, UP TO 8mm

30': (SP) VFG-FG SAND (10YR, 4/4) LT. YELLOWISH BROWN, MED. DENSE, SL. MOIST, SUBRD. ± 15% SILT. COARSE FRAC - < 1%

CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG

Project / Job No.: KAFB 2B 2A56

Borehole/Well No.: KAFB-RB11-31

Notes: GRAVELLY

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond'n	HNu/PID	Analysis	Lithology Code	Depth (ft)	Recovery	Contact
			24	24		5.2	VOC - 8260, TCLP	(SW) SPC SDGR	31		
						5.2			32		
			24	12		10			33		
						5					
						5			34		
					80	5					

32': (SW) ~~GR~~ V.CLAYEY AND GRAVELLY VFG - ~~FG~~ SAND (10YR 6/3) PALE BROWN MOD. DENSE, DRY, GRAVEL FRAC - ±40%. 50% FINE - COARSE GRF, SUBANG; 50% L IGNEOUS COBBLE FRAGS, ANG - SUBANG, UP TO 2 cm.

32-33': INSUFFICIENT RECOVERY FOR DETAILED DESCRIP. - LOOKED MUCH LIKE 32' SAMPLE.

8-1-94

TN R.G. #1808

CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION
See B. Hicks master location map.

Project: KAFB Stage 2D

Borehole/Well No: KAFB-RB11-32

Job No: 2A96

Logged By: Mack Gaeman

Edited By:

Project Manager: K. Walter

Drill Rig: Geoprobe

Drilling Contractor: BRE

Driller/Helper: B. Wolfe

Drilling Method: Geoprobe Construction Method Code = V (driven), HA = Hand Augered

Sample Method: LARGE-BORE SAMPLER

Hammer Weight/Drop: NA

Borehole Diameter: 1.375"

Started, Time: 0800 Date: 07-19-94

Completed, Time: 1000 Date: 07-19-94

Notes: RB11-32(D) drilled ~1' NE of RB11-32 to obtain sufficient volume for replicate, MS/MSD.

HNu/FID	0.8					
β-γ (cpm)	80					
Time	0800					
Date	7-19-94					

Total Depth: 32' Casing Depth:

Screened Interval:

Sand Pack, #3: #0:

Well Development Method:

Time: Date: Flow Rate:

Geophysical Logs, Type:

By: Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / ROD / β-γ (cpm)	HNu/FID Reading	Analyses	Lithology Code	Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
KAFB-RB11-32-0307 A-D KAFB-RB11-32-0307 MS-MSD			24	24	80	0.8	VOC-GRO, SVOC-DRO, RAD, METALS	SDSL	1 2 3 4 5 6 7 8 9 10			5': (SM) VFG-FG SILTY SAND (10YR, 7/4) V. PALE BROWN, MED. DENSE, DRY, SUBRD. ± 20% SILT. COARSE FRAC = ± 5% - FINE GRAV., 1G/MET RF, SUBANG, UP TO 5mm.
			24	24	80	0.8		SDSL				7': (SM) VFG-FG SILTY SAND (10YR, 7/3) V. PALE BROWN, MED. DENSE, DRY, SUBRD. ± 20% SILT. COARSE FRAC = ± 10% FINE GRAV., 1G/MET/C STONE RF, SUBANG, UP TO 7mm
KAFB-RB11-32-0840 G			24	23	80	0.8	SVOC-DRO, METALS	SDSL				9': (SM) VFG-FG SILTY SAND (10YR, 7/3) V. PALE BROWN, MED. DENSE, DRY, SUBRD. 20-25% SILT COARSE FRAC = ± 15% COARSE SAND-FINE GRAV., PRED. LSTONE RF, SUBANG UP TO 1.5cm

BOREHOLE / WELL CONSTRUCTION LOG

Project / Job No. KAFB 2 D 2A96 | Borehole / Well No. KAFB-RDII-32

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recvd	Sample Cond (RQD)	HNU/PID	Analysis	Lithologic Code	Depth (ft)	Recovery	Contact	Description
			24	21	80	0.8	VOC-GRO, RAD	GWLP	11			11.7': (GP) SANDY COARSE GRAVEL (10YR, 7/1) GRAY, LOOSE, DRY, ANG., PRED. L.STONE, UP TO 2.3cm. ±40% WELL GRADED (VFG-V. COARSE), GRF, SUBANG.
									12			
									13			
KAFB-RDII-32-1317 @ 0900			24	13	NA 80	NA 0.8	VOC-GRO, SVOC-DRO, RAD, METALS	SWLP	14			13.5' (GP) SANDY FINE GRAVEL (10YR, 7/2) GRAY, LOOSE, DRY, SUBANG-ANG, 1G/ALT L.STONE RF, UPTO 1.5CM. ± 30% WELL GRADED SAND (VFG-V.COARSE), SUBANG, 1G/ALT/LSTONE RF.
									15			
			24	24				SDGP	16			17': (SW) VFG-V COARSE GRAVELLY SAND (10YR, 7/1) LT. GRAY, LOOSE, DRY, SUBANG-SUBRD, 1G/ROCK STONE RF. GRAVEL FRAC = ±35% FINE GRAV, 1G/ROCK RF, SUBANG, UP TO 1.8 CM.
					80	0.8			17			
									18			
KAFB-RDII-32-1322 @ 0923			24	22	80	0.8	VOC-GRO, SVOC-DRO, RAD, METALS	SDFN	19			19.8': (SP) VFG-FG SAND (10YR, 7/4) V. PALE BROWN, MED. DENSE, DRY, SUBRD. ± 10% SILT. COARSE FRAC = ± 15%. MED. SAND - FINE GRAV PRED. L.STONE RF, UP TO 8mm.
									20			
			24	24				SDFN	21			22': (SP) VFG-FG SAND (10YR, 7/4) V. PALE BR DENSE, DRY, CALCITE THRU OUT, SUBRD. 5-10% SILT. COARSE FRAC = <1%.
					80	0.8			22			
									23			
									24			
									25			
									26			
									27			
KAFB-RDII-32-2832 @ 0958									28			
			24	23	80	0.8	SVOC-DRO, METALS	SDFN	29			29.5': (SP) VFG-FG SAND (10YR, 7/4) V. PALE BROWN MED. DENSE, DRY, SUBRD. ± 10% SILT. COARSE FRAC: <1%.
									30			

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BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Page ___ of ___

Project / Job No. KAFB 2B 2AS6

Borehole/Well No. KAFB-RB11-32

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Code	HNu/FID	Analysis		Lithology Code		Depth (ft)	Recovery	Contact
			24	24			VOC-EPA 8260, 8270		GVLS		31		
					↓ 80	↓ 0.8					32		

32' (GP) SANDY FINE GRAVEL (10YR, 7/2 LT. GRAY, LOOSE, DRY, GRF, SUBANG, UP TO 1cm. ±35% WELL GRADED SAND (VFG-V COARSE), GRF, SUBANG

M J [illegible] 8-1-94

TAI RG#1808

BOREHOLE / WELL CONSTRUCTION LOG

Page 1 of 2

BOREHOLE LOCATION
See B. Hill's Master Location Map.

Project: KAFB Stage 2D	Borehole/Well No: KAFB-RB11-33
	Job No: 2A96
Logged By: Mark Garman	Edited By:
Project Manager: K. Walter	Drill Rig: Geoprobe
Drilling Contractor: BRE	
Driller/Helper: B. Wolfe	
Drilling Method: Geoprobe Construction Method Code = V (driven), HA = Hand Augered	
Sample Method: LARGE-BORE SAMPLER	
Hammer Weight/Drop:	Borehole Diameter:
Started, Time: 1330	Date: 7-14-94
Completed, Time: 1548	Date: 7-14-94

Notes: HIT ROCK @ 24'. DRILLING RB11-33B ~~1.0'~~ E OF RB11-32 TO GET TO 28-34' DEPTH. PRC SPLIT SAMPLE COLLECTED @ 28-34' INTERVAL OF RB11-33B.

HNu/FID	1.2					
β-γ (cpm)	80					
Time	1330					
Date	7-14-94					

Total Depth: 34' Casing Depth:
Screened Interval:
Sand Pack, #3: #0:
Well Development Method:
Time: Date: Flow Rate:
Geophysical Logs, Type:
By: Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD (%)	HNu/FID Reading	Analyses		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
KAFB-RB11-33-9312 @ 1340			24	23	80	2.5			(SP)		3			4.9': (SP) VFG-FG SAND (10YR, 8/2) VERY PALE BRN, DENSE, DRY, SUBANG, SUSRD, ± 10% SILT, COARSE FRAC = ± 10% COARSE SAND - FINE GRN, QTZ, UP TO 3mm.
						1.2					4			
						1.2			SDFN					
			24	23		1.6	VFG-MED, MOD-RND, MOD, UNSORTED		(SP)		5			6.9': (SP) VFG-FG SAND (10YR, 8/2) VERY PALE BROWN, DENSE, DRY, SUBANG. ± 5% SILT COARSE FRAC = ± 10% FINE GRN, QTZ IGNEOUS, SUBANG, UP TO 4mm.
						1.6					6			
					80	3.4			SDFN					
					80	1.2					7			
KAFB-RB11-33-9312 @ 1358			24	20	80	0.8	SAND-DIES, NEWLS		(SP)		8			9.7': (SP) VFG-FG SAND (10YR, 6/4) LT YELLOWISH BROWN, MED. DENSE, DRY, SUBANG, ± 5% COARSE FRAC = ± 20% ± MED 80% TO V COARSE SD, 20% IGNEOUS RF FINE ~~GRAIN~~ GRN, SUBANG, UP TO 1 cm. MED - MAX
						0.8			SDFN		9			
											10			

CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Page

Project / Job No. KAFB 2B 2AS6 | Borehole/Well No.: KAFB-RB11-33

Notes: ~~KAFB-RB11-32~~ MAC

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond'n	HNu/FID	Analysis	Lithology Code	Depth (ft)	Recovery	Contact
KAFB-RB11-33-1017 @ 1415			24	24		1.0	VOC-GRO, RAD,	(SW)	10		
					80	1.0		SD	11		
									12		
									13		
			24	22	80	1.0		(SW)	14		
								SDGR	15		
			24	20			VOC-GRO, SVOC-DRO, RAD, METALS	(SW)	16		
					80	1.0		SDGR	17		
									18		
KAFB-RB11-33 @ 1430			24	23	80	1.0		(SW)	19		
						1.0		SDGR	20		
			24	24		1.2		(SW)	21		
					80	1.2		SD	22		
									23		
									24		
									25		
									26		
									27		
KAFB-RB11-33-2832 @ 1545			24	18	80	1.0	VOC-GRO, SVOC-DRO, METALS	NA	28		
						1.5			29		
						2.0					
						1.0		NDAS	30		

12': (SW) VFG-V COARSE SAND (10YR, 7/2) LT. GRAY, MED. DENSE, DRY, SUBANG, GRF. GRAVEL FRAC = ±15% - 1G\MET RF, SUBANG, FINE ~~MULTIPLE~~, UP TO 1 cm.

13.5': (SW) V. FINE-V. COARSE GRAVELLY SAND (10YR, 7/2) LT. GRAY, MED. DENSE, DRY, SUBANG, 1G\MET GRAVEL FRAC = ± 30% FINE-COARSE, 1G\MET RF, SUBRD-SUBANG, UP TO 1.5 cm, ~~MULTIPLE~~

16.7': (SW) VFG-V COARSE GRAVELLY SAND (10YR, 7/2) LT-GRAY, LOOSE, DRY, SUBANG, GRF. GRAVEL FRAC = ± 40% - GRF, FINE, ~~MULTIPLE~~ SUBANG, UP TO 6 cm.

19.9': (SW) VFG-V. COARSE SAND (10YR, 7/2) LT. GRAY, LOOSE, SL. MOIST, SUBANG, GRF. GRAVEL FRAC = ± 20% FINE ~~MULTIPLE~~ GRF \ LSTONE, SUBANG-ANG, UP TO 12 cm, ~~MULTIPLE~~

22': (SW) VFG-V. COARSE SAND (10YR, 6/4) LT. YELLOWISH BROWN, MED DENSE, DRY, ANG-SUBANG, GRF, GRAVEL FRAC = ± 15% FINE ~~MULTIPLE~~ GRF, SUBANG-ANG, UP TO 1 C

28-29.5': INSUFFICIENT SAMPLE VOLUME FOR DETAILED LITH. DESCRIPTION.

CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG

Project / Job No.: KAFB 2B 2A56

Borehole/Well No.: KAFB-R1311-33

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond'n	HNu/FID	Analysis	Lithology Code	Depth (ft)	Recovery	Contact
			24	18		0.6	VOC-GRO, (CHD)	(SW)	31		
					↓	↓		SD			
					80	0.6			32		
						0.2					
			24	22				(SP)	33		
					↓	↓		SDFN			
					80	0.2			34		

30.5': (SW) VFG-V.COARSE SAND (10YR, 7/2) LT. GRAY, MED. POWSE, SL. MOIST, SUB ANG, GRF. ±15% SILT, GRAVEL FRAC = ± 15 GRF \ STONE FINE ~~TO COARSE~~, ANG-SUB A- UP TO 1.7cm, ~~COBBLE~~

33.5': (SP) VFG-FG SAND (10YR, 6/4) LT. YELLOWISH BROWN, MED DENSE, DRY, SUB ANG-SUB RD, ±5% SILT. COARSE FRAC = ± 10% V. COARSE SAND - FINE GRAVEL, GRF, SUB ANG, UP TO 5cm

8-1-9

TN RG. #1808

CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION
See B HILL's MASTER LOCATION MAP.

Project: KAFB Stage 2D

Borehole/Well No: KAFB-RB11-34

Job No: 2A96

Logged By: MARK GARMAN

Edited By:

Project Manager: K. Walter

Drill Rig: Geoprobe

Drilling Contractor: BRE

Driller/Helper: B. Wolfe

Drilling Method: Geoprobe Construction Method Code = V (driven), HA = Hand Augered

Sample Method: LARGE-BORE SAMPLER

Hammer Weight/Drop: NA

Borehole Diameter: 1.375"

Started, Time: 0830 Date: 7-15-94

Completed, Time: 1100 Date: 7-15-94

Notes:
DRILLED RB11-34B 15' SW OF RB11-34 TO ENABLE REPLICATE SAMPLING. SEE LOGBOOK FOR DETAILS. HIT ROCK @ 8' IN RB11-34. MOVED TO RB11-34B TO CONTINUE BORING. REFUSAL @ 11' IN 34B. REDRILL 34B ~ 15' W-NW OF 34. - PUT SAMPLE TUBE (0'-2')

HNu/FID	2
β-γ (cpm)	80
Time	0830
Date	7-15-94

Total Depth: 21.5' Casing Depth:

Screened Interval:

Sand Pack, #3: #0:

Well Development Method:

Time: Date: Flow Rate:

Geophysical Logs, Type:

By: Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD (SC)	HNu/FID Reading	Analyses		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact
KAFB-RB11-34-0307 KAFB-RB11-89-F-307 @ 0855 (KLP)			24	24	80	2.0	VOC-GRO, SVOC-DRO, RAD, METALS		(SM)	SDSL	1 2 3 4 5 6 7 8 9 10		
			24	23	80	2.0			(SP)	SDFN			
KAFB-RB11-34-0938 @ 0938			24	18	80	1.5	SVOC-DRO, METALS		(SP)	SDFN			

LITHOLOGIC DESCRIPTIONS

5': (SM) VFG-FG SILTY SAND (10YR, 8/2) VERY PALE BROWN, DENSE, DRY, SUBRD-SUBANG. 20-25% SILT. CALICHE THROUGHOUT. COARSE FRAC <1%.

6.9': (SP) VFG-FG SAND (10YR, 7/3) V. PALE BROWN, DENSE, DRY, SUBRD, SOME CALICHE. ±10% SILT. COARSE FRAC = ±10% FINE PRED. U.STONE GRAVEL, SUBANG, UP TO 4 MM.

9.5': (SP) VFG-FG SAND, (10YR, 7/4) V. PALE BROWN, MED. DENSE, DRY, SUBRD. ±5% SILT. COARSE FRAC = ±20% COARSE SAND - FINE GRAV, GRF SUBRD, UP TO 4 MM.

CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG (CONT.)

Page ___ of ___

Project / Job No.: KAFB 2B 2A56

Borehole/Well No.: KAFD-RBII-34

Notes: @ 28' IN HOLE 34C. 34D DRILLED 2.75' NE OF 34 TO GET 28-32' INTERVAL. (SEE TP.3)

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cont. Ø	HNu/FID	Analysis	Lithology Code	Depth (ft)	Recovery	Contact
			24	18	80	1.5	VOC-GRO, RAD	(GW) GWFP	11 12		
KAFD-RBII-34-13 @ 0950			24	18	80	1.5	VOC-DRO, RAD, METALS	(SP) SDFN	13 14		
			24	22	80	1.5		(SW) SDGR	15 16 17		
KAFD-RBII-34-18 @ 1020			24	22	80	1.5	VOC-DRO, RAD, METALS	(GW) GWLP	18 19		
			24	18	NA	NA		(SW) SDGR	20 21 22		
									23 24 25 26 27 28 29 30		

10.5': (GW) SANDY FINE GRAVEL (10YR, 8/2) V. PALE BROWN, LOOSE, DRY, ANG-SUBANG, UP TO 2cm COARSE GRAV, ± 30% VFG-M SAND. (12) METRF.

14.5': (SP) VFG-FG SAND (10YR, 7/4) V. PALE BROWN, MED DENSE, DRY, SUBANG, ± 15% SILT. COARSE FRAC = ± 10% VFG SAND - FINE GRAV, GRF, SUBANG, UP TO 4mm.

16.8': (SW) VFG - V. COARSE GRAVELLY SAND (10YR, 7/2) LT. GRAY, MED. DENSE, DRY, SUBANG, GRF - GRAVEL FRAC = ± 30%. FINE, GRF SUBANG, UP TO 12mm.

19.8': (GW) SANDY FINE GRAVEL (10YR, 7/2) LT. GRAY, GRF, LOOSE, DRY, SUBANG-ANG UP TO 2cm COARSE FRAG. ± 30% VFG-V. COARSE SAND, GRF, SUBANG.

21.5': (SW) VFG-V COARSE GRAVELLY SAND (10YR, 7/2) LT GRAY, GRF, LOOSE, DRY SUBANG. GRAVEL FRAC = ± 40% FINE, GRF, SUBANG-ANG, UP TO 8mm

REFUSAL @ 8' IN HOLE 34-A

REFUSAL @ 11' IN HOLE 34-B.

LOST SAMPLER @ 28' IN HOLE 34-C.

REFUSAL @ 12' IN HOLE 34-D

HOLE ABANDONED.

T-D. (SAMPLED) = 21.5'.

CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG (cont.)

Page ___ of ___

Project / Job No. KAFB 2B 2A56 | Borehole/Well No. KAFB KBH-34

Notes BENTONITE INJ'D. ~~[illegible]~~ HOLE ABANDONED

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond	HNu/FID	Analysis	Lithology Code		Depth (ft)	Recovery	Contact
										31		
										32		
										3		
										4		
										5		
										6		
										7		
										8		
										9		
										0		
										1		
										2		
										3		
										4		
										5		
										6		
										7		
										8		
										9		
										0		

8-1-94

TN R.G. #1808

BOREHOLE / WELL CONSTRUCTION LOG

BOREHOLE LOCATION

See B. HILL'S MASTER LOCATION MAP.

Project: KAFB Stage 2D	**Borehole/Well No:** KAFB-RB11-35
	Job No: 2A96
Logged By: MARK GARMAN	**Edited By:**
Project Manager: K. Walter	**Drill Rig:** Geoprobe
Drilling Contractor: BRE	
Driller/Helper: B. Wolfe	
Drilling Method: Geoprobe Construction Method Code = V (driven), HA = Hand Augered	
Sample Method: LARGE-BORE SAMPLER	
Hammer Weight/Drop: NA	**Borehole Diameter:** 1.375"
Started, Time: 1420	**Date:** 7-15-94
Completed, Time: 0920	**Date:** 7-18-94

Notes: RB11-35B LOCATED .75' SW OF RB11-35 TO ENABLE COLLECTION OF REPLICATE, MS/MSD. 7-4-94 - DRILLED RB11-35C ~1.5'N OF RB11-35 TO GET 28-34' INTERVAL.

HNu/FID	1.5				
β-γ (cpm)	80				
Time	1420				
Date	7-15-94				

Total Depth: 34 **Casing Depth:**

Screened Interval:

Sand Pack, #3: **#0:**

Well Development Method:

Time: **Date:** **Flow Rate:**

Geophysical Logs, Type:

By: **Date:**

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	Sample Condition / RQD β-γ (cpm)	HNu/FID Reading	Analyses		Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact	LITHOLOGIC DESCRIPTIONS
											0–3			
KAFB-RB11-35-0357 / KAFB-RB11-35B-0357 @ 1445 (REP)			24	24	80	1.5	VOC-GRO, SVOC-DRO, RAD, METALS		SDSL		3–5			5' (SM) VFG SILTY SAND (10YR, 7/3) V. PALE BROWN, DENSE, DRY, SUBRD, CALICHE THROUGH. ±20% SILT. COARSE FRAC <1%.
			24	22	80	1.5			SDSL		5–7			6.8': (SM) VFG-FG SILTY SAND (10YR, 6/3) PALE BROWN, DENSE, DRY, SUBRD, CALICHE THROUGHOUT. ±20% SILT. COARSE FRAC <1%
											7–8			
KAFB-RB11-35-0812 @ 1525 (MS/MSD)			24	22	80	1.5	SVOC-DRO, METALS		SD		8–10			9.8' (SP) VFG-COARSE SAND (10YR, 7/3) V PALE BROWN, MED. DENSE, DRY, SUBRD, GRF. ±5% SILT. ~~COARSE~~ GRAVEL FRAC <1%.

CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG (cont.) Page 2

Project / Job No. KAFB 2B 2A56 | Borehole/Well No. KAFB-RB11-35

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/PID	Analysis	Lithology Code	Depth (ft)	Recovery	Contact
			24	21		3.0	VOC-8260, RAD,	GWP	1		
						1.5					
					80	1.5			2	1.7	
									3		
KAFB-RB11-35-1317 @ 1610			24	22	80	1.5			4		
						1.5		SDFN			
						2.5	VOC-8260, SVOC-8270,		5		
						1.5	RAD, METALS				
			24	15				SDFN	6		
					80	1.5			7	7	
KAFB-RB11-35, @ 1635, 8/22									8		
			24	22	80	2.5	VOC-8260, SVOC-8270, RAD, METALS	SDGP	9		
						3.5					
						1.5					
						1.5			10		
			24	23		2.0		GWP	11		
						2.0					
					80	1.5			12		
						1.5					
									13		
									14		
									15		
									16		
									17		
									18		
									19		
									20		
									21		
									22		
									23		
									24		
									25		
									26		
									27		
KAFB-RB11-35-2834 @ 0914 (7/19/94)									28		
			24	22	80	0.8	SVOC-8270, METALS	SDGP	29		
									30		

11.7': (GP) COARSE GRAVEL FRAGMENTS (10YR, 6/1) GRAY, LOOSE, DRY, ANG., L.STONE, UP TO 1.5 cm BROKEN FRAG. ± 20% FG-COARSE, SAND, GRF, SUBANG.

13.5': (SP) VFG-FG SAND (10YR, 6/4) LT. YELLOWISH BROWN, MED. DENSE, DRY, SUBRD, ± 10% SLT COARSE FRAC < 1%.

16.3': (SP) VFG-FG SAND (10YR, 7/3) V. PALE BROWN, MED. DENSE, DRY, SUBANG, ± 5% SLT COARSE FRAC = ± 15% MED SAND - FINE GRAVEL, IG/MET RF, SUBANG-ANG, UP TO 1

19.8': (SW) V FINE - V. COARSE GRAVELLY SAND (10YR, 7/1) LT. GRAY, MED. DENSE, DRY, SUBANG, IG/MET RF, QTZ. GRAVEL FRAC = ± 25% FINE IG/MET RF, SUBANG-ANG, UP TO 9mm.

21.9': (GW) FINE GRAVEL (10YR, 7/1) LT. GRAY, LOOSE, DRY, IG/MET RF, ANG-SUBANG, UP TO 2.2 cm FRAG. ± 20% WELL GRADED SAND VFG-V. COARSE, IG/MET RF, SUBANG.

28.8': (SW) VFG - V. COARSE SAND (10YR, 7/2) LT. GRAY, DENSE, DRY, GRF, SUBANG. ± 10% SLT. GRAVEL FRAC = ± 15% FINE, GRF, SUBANG, UP TO 1 cm.

BOREHOLE / WELL CONSTRUCTION LOG

Project / Job No. KAFB 2B 2A56 | Borehole/Well No.: KAFB-RGI7-35

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond.	HNu/PID	Analysis	Lithology Code	Depth (ft)	Recovery	Contact
			24	23			VOC-GRO, RAD	SDFN	31		
			24	22				SDSP	32		
					80	0.8			33		
									34		
									35		
									36		
									37		
									38		
									39		
									40		
									41		
									42		
									43		
									44		
									45		
									46		
									47		
									48		
									49		
									50		
									51		
									52		
									53		
									54		
									55		
									56		
									57		
									58		
									59		
									60		
									61		
									62		
									63		
									64		
									65		

31.9': (SP) VFG-FG SAND (10YR, 7/3) PALE BROWN, MED. DENSE, DRY, SUBRD. SILT ± 10%. COARSE FRAC = ± 15%. MED SAND - FINE GRAV, C SUBRD - SUBANG, UP TO 5mm.

33.8': (SW) VFG - V. COARSE GRAVELLY SAND (10YR, 7/2) LT. GRAY, MED. DENSE, DRY, SUBRD - SUBANG, GRF. ± 5% SILT, GRAVEL FRAC = 20-25% FINE GRF, SUBRD - SUBANG, UP TO 8mm.

8-1-94

TN RG. # 1808

BOREHOLE / WELL CONSTRUCTION LOG

Field	Entry
Borehole Location	See B. Hill's master location map.
Project	KAFB Stage 2D
Borehole/Well No:	KAFB-RB11-36
Job No:	2A96
Logged By:	Mark Garman
Edited By:	
Project Manager:	K. Walter
Drill Rig:	Geoprobe
Drilling Contractor:	BRE
Driller/Helper:	B. Wolfe
Drilling Method:	Geoprobe Construction Method Code = V (driven), HA = Hand Augered
Sample Method:	Large-Bore Sampler
Hammer Weight/Drop:	NA
Borehole Diameter:	1.375"
Started, Time:	1155
Date:	7-15-94
Completed, Time:	1400
Date:	7-15-94

Notes:

HNu/FID	1.5				
β-γ (cpm)	80				
Time	1155				
Date	7-15-94				

Field	Entry
Total Depth:	32'
Casing Depth:	
Screened Interval:	
Sand Pack, #3:	#0:
Well Development Method:	
Time:	Date: Flow Rate:
Geophysical Logs, Type:	
By:	Date:

Sample ID	Sampler Type / depth	Blows / 6 Inch	Inches Driven	Inches Recovered	~~Sample Condition / RQD~~ β-γ (cpm)	HNu/FID Reading	Analyses	Lithology Code		Depth in Feet	Recovery / Sample Loc.	Contact
KAFB-R011-36-0307 @ 1200			24	23	80	1.5 → 1.5	VOC-GRO, SVOC-DRO, RAD, METALS	SP (MAG?) SDFY?		3–5		
			24	21	↓	2.5, 2.5, 2, 1.5		SD		5–7		
					80					7		
KAFB-...-36-0812 @ 1220			24	17	80 ↓	1.5, 2.5, 1.8, 1.5	SVOC-DRO, METALS	NDPS?		8–10		

LITHOLOGIC DESCRIPTIONS

±9': (SP) VFG-FG SAND (10YR, 6/4) LT. YELLOWISH BROWN, MED. DENSE, DRY, SUBRD. ± 10% SILT. COARSE FRAC = ±15% - MED. SAND - FINE GRAV, GRF, SUBANG-SUBRD, UP TO 7 mm.

±5.5': (SW) VFG - V. COARSE SAND (10YR, 6/4) LT. YELLOWISH BROWN, IG\MET RF, MED. DENSE, DRY, SUBANG. ±5% SILT. ~~COARSE~~ GRAVEL FRAC = ±10% FINE IG\MET RF, SUBANG, UP TO 1.8 cm COARSE FRAGMENT.

9.4': (SW) INSUFFICIENT SAMPLE FOR DETAILED LITH. DESCRIPTION.

BOREHOLE / WELL CONSTRUCTION LOG

Project / Job No. KAFB 2B 2A56 | Borehole/Well No.: KAFB-RB11-36

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Cond'n	HNu/PID	Analysis	Lithology Code	Depth (ft)	Recovery	Contact
			24	22		2.2					
						2.5	VOC-GRO, RAD	SD SL	11		
						1.5					
					80	1.5			12		
									13		
KAFB-RB11-36 1317 @ 1235			24	10	80	1.5		SD GR	14		
							VOC-GRO, SVOC-DRO, RAD, METALS		15		
			24	24				SD	16		
					80	1.5			17		
									18		
KAFB-RB11-36 1042 @ 1255			24	16	80	1.5		NDPS	19		
									20		
			24	22			VOC-GRO, SVOC-DRO, RAD, METALS	SD SL	21		
					80	1.5			22		
									23		
									24		
									25		
									26		
									27		
KAFB-RB11-34-2832 @ 1358			24	20	80	1.5	SVOC-DRO, METALS	SD	28		
						1.5			29		
						2.5			30		
						1.5					

11.8': (SM) VFG-FG SILTY SAND (10YR, 6/4) LT. YELLOWISH BROWN, MED. DENSE, SL MOIST, SUBRD. ± 25% SILT. COARSE FRAC = 0

14.6': (SW) VFG-V. COARSE GRAVELLY SAND (10YR, 6/3) PALE BROWN, LOOSE, DRY, SUBANG GRF. GRAVEL FRAC = ± 35% FINE, GRF, SUBANG, UP TO 1 CM.

17': (SW) VFG-V. COARSE SAND (10YR, 7/2) LT. GRAY, LOOSE, DRY, GRF, SUBANG. GRAVEL FRAC ± 15% - FINE, GRF, SUBANG, UP TO 4 MM.

19.4: (SW) INSUFFICIENT SAMPLE FOR DETAILED LITH. DESCRIPTION.

21.8': (SM) VFG-FG SILTY SAND (10YR, LT. YELLOWISH BROWN, MED. DENSE, SL MOIST, SUBRD. ± 35% SILT - COARSE FRAC = 5-ANG. L. STONE FRAGS UP TO 1.5 CM.

29.7': (SW) VFG-V. COARSE SAND (10YR, 7/2 LT. GRAY, LOOSE, DRY, GRF, SUBANG. GRAVEL FRAC = ± 15% FINE GRF, SUBANG, UP TO 7 MM.

CORPORATION

BOREHOLE / WELL CONSTRUCTION LOG (cont.)

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Project / Job No. KAFB 2B 2A56

Borehole / Well No.: KAFB-1811-36

Notes:

Sample ID	Sampler Type	Blows / 6 Inch	Inches Driven	Inches Recov'd	Sample Code	HNu/PID	Analysis	Lithology Code	Depth (ft)	Recovery	Contact
			24	24	B	1.5	VOC-GRJ, RAD	(GW) GWP	31		
					80	1.5			32		

32': (GW) FINE GRAVEL (SANDY) (10YR, 7/2 LT. GRAY, MED. DENSE, DRY, SUBANG, GRF, UP TO 9cm. ± 35% FG-V.COARSE SAND, GRF, SUBANG.

Mark Young 8-1-94

IN R.G. #1808

Appendix D

Field Data

Golder Federal Services, Inc.

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Telephone (206) 882-0163
Fax (206) 882-0399

Golder Associates

REPORT ON

GEOPHYSICAL SURVEY AT THE RB-11 SITE IN SUPPORT OF A SUBSURFACE INVESTIGATION AT KIRTLAND AIR FORCE BASE, NEW MEXICO.

Submitted to:

Halliburton NUS Corporation
Pittsburgh, Pennsylvania

and

Brown and Root Environmental
Albuquerque, New Mexico

Charlie F. Voss
President

Richard E. Sylwester
Associate

August 4, 1994

944-2003

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Figure 8 Composite Interpretation

1. INTRODUCTION

This report provides the results of a geophysical survey carried out by Golder Associates Inc. (GAI) at the Kirtland Airforce Base in Albuquerque, New Mexico. GAI was retained by Halliburton NUS Corporation of Pittsburgh, Pennsylvania to complete Geophysical Surveys in support of a Subsurface Investigation at Kirtland Airforce Base, New Mexico. Field work was carried out under the direction of Brown and Root Environmental (subsidiary of Halliburton NUS) personnel.

This report deals with the geophysical survey carried out at Site RB-11 beginning June 13, 1994. The purpose of the survey was to use geophysical methods to locate and map a series of trenches and buried cables, drums and other debris located at the RB-11 site on the Kirtland Air Force Base.

1.1 Background

The RB-11 site is approximately 1 hectare in size and is located east of Pennsylvania Avenue adjacent to the riding stables (KAFB Riding Club) on the Kirtland Air Force Base in Albuquerque, New Mexico (Figure 1). The site is open and clear of obstructions. The ground is relatively flat, except for three depressions associated with past trenching operations, and is partially covered with grasses and small shrubs.

Surface materials appear to be loose fine sand and silt. When stakes were pounded into the ground to establish a grid on the site, a dense layer (hard pan) was encountered some 5 to 20 centimeters below ground surface.

Geophysical studies have been previously conducted at the RB-11 site, these studies included a seismic survey, a low density magnetometer survey (450 data points per acre) and a high density magnetometer survey (50,000 data points per acre). The report for the high density magnetometer survey "Results of a Magnetometer Towed Array Survey and Sub-System Testing at Site RB-11 Kirtland Air Force Base, Albuquerque, NM" (National Research Laboratory, *et al.*, 1994) provides the background information presented below.

The RB-11 site was used for trench landfill disposal of waste materials and operated by the Radiology Laboratory, Biophysics Branch of the Air Force Weapons Laboratory (AFWL). Ten trenches were reported to have been dug to facilitate the disposal of waste materials (animal remains, excreta and liquids along with small amounts of hazardous and toxic chemicals, including mercury, cyanides and silver). Some of the wastes were drummed. A description of the trenches is summarized as follows:

- Four trenches are approximately 15 metres long (50 feet) by 3 metres deep (9 feet) by 0.6 metres wide (2 feet). These four trenches are covered with approximately 1.2 metres (4 feet) of earthen material. Two have asphalt cover and the other two have a compacted earth cover.

- Two more trenches are approximately 30 metres long (100 feet) by 6 metres deep (20 feet) by 2 metres wide (6 feet). These trenches have a 1.2 metre (2 feet) earth cover.

- Three additional trenches (possibly 4) are reported to be at least 7.3 metres deep (24 feet) and are covered with earthen material with the depth being determined from results of a seismic refraction survey.

Test results from the surface towed magnetometer survey, in conjunction with aerial photo analysis and observations made in the field, have identified eight possible trench locations. Notably, signatures of magnetic anomalies suggests that the disposal of wastes may have been carried out in pits rather than trenches with well defined edges. The results from the high density magnetometer survey have been digitized and are presented on Figure 2 for comparison with the results from this survey presented in Figures 3 thru 8. Chained measurements were made between the current grid and control points for the high density magnetometer survey to provide control for digitizing the magnetometer results.

1.2 Scope of Work

The RB-11 site was thought to contain 8 to 10 distinct radiological burial trenches that were mapped and identified during previous geophysical investigations using, magnetometery and seismic refraction as well as examination of air photos and observations made during the field work (depressions and changes in vegetation). For the proposed scope of work, ground penetrating radar was to be used to map, in detail, the boundaries and, if possible, the depth of the trenches. In addition, frequency and time domain electromagnetic induction and magnetometery techniques and a utility locator were to be used, as needed, to determine the number, location and depth of buried drums that may be present in the trenches. Specific survey details were as follows:

- near each trench, a baseline was to be established approximately parallel to the long axis of the trench,

- GPR transects were to be run at 3 metre (10 foot) intervals over a distance of 3 to 5 metres (10 to 15 feet) perpendicular to the baseline and staked at the start and end points,

- GPR transects were also to be run along the length of the trenches and subsequently scanned with a metal detector,

- discrete targets identified from the GPR data were to be further investigated using the other geophysical techniques to determine if the targets were ferrous or non-ferrous.

A site walk-over was conducted with Brown and Root personnel for orientation and discussions relating to the geophysical survey to be carried out. Preliminary inspection indicated that:

- Results from the previously completed high density magnetometer survey indicated the presence of buried ferro-magnetic objects beyond the inferred trench boundaries as indicated by the depressions and the changes in vegetation.

- Recent rainfall had caused noticeable changes in vegetation indicating the possible presence of trenches or disturbed ground extending beyond those areas previously identified as the possible boundaries of the trenches.

- The approximate extent of the trenches appeared irregular.

The scope of work for the geophysical survey, as presented in GAI's proposal, was altered "as needed" to the following (subsequent to discussions with Brown and Root personnel):

- lines of stakes were laid out to define a grid which was constructed to encompass the area of the trenches,

- an EM61 (time domain electromagnetic induction) survey was conducted to map the location of buried metal (ferrous and non-ferrous) objects,

- an EM31 (frequency domain electromagnetic induction) was conducted to map terrain apparent conductivity and response indicative of buried metal objects across the site,

- a utility locator was used to accurately map the location on surface of a previously unidentified buried cable and was used in an attempt to locate linear features identified in the towed array magnetometer survey, and

- GPR was used to profile along the grid lines to identify discrete buried objects and to map the possible extent of ground disturbed by trenching operations.

2. APPROACH AND METHODOLOGY

The geophysical techniques employed at the RB-11 Site consisted of frequency and time domain electromagnetic induction, a utility locator and ground penetrating radar. A magnetometer was included in the geophysical equipment shipped to the site but was not used due to the excellent results from the previous surface towed magnetometer survey.

2.1 Equipment and Theory

Frequency Domain Electromagnetic Induction

For the survey, readings were taken with a GEONICS EM31, an electromagnetic induction device well suited to mapping terrain apparent conductivity and response indicative of buried metal objects. This is a portable instrument consisting of a transmitter coil and a receiver coil located at opposite ends of a 3.7 metre boom. A console located at the centre of the boom houses the electronics that generate an alternating current in the transmitter coil and measure the quadrature and inphase components of the resultant earth electromagnetic field at the at the receiver coil. The data were recorded digitally with an Omnidata Model 720 Polycorder and later down-loaded to a computer for editing and analysis.

The EM31 measures terrain apparent conductivity by inducing a primary electromagnetic field into the ground by passing alternating current through the transmitter coil. This field causes electrical current to flow in the ground that produces a secondary electromagnetic field measured at the receiver coil and referenced to the primary field. The conductivity meter produces a measurement of subsurface apparent conductivity (quadrature) and the inphase response.

For the EM31, the quadrature component is calibrated to provide the bulk apparent conductivity of the subsurface in millisiemens per metre (mS/m) for a roughly hemispherical volume of earth having a radius of approximately 6 metres centered at the measurement point. In native soils, apparent conductivity increases primarily as a function of increasing clay content, water content, and dissolved minerals or chemical compounds, that increase the ionic strength of groundwater. The background response would be a measurement of the conductivity of the native soils in the absence of fill material, buried objects or contaminated groundwater. In the near presence of metallic conductors (<3 to 5 metres), or conductive fill material, the quadrature response may be dominated by large positive or negative readings. Under these conditions, the instrument cannot make a valid measurement of terrain apparent conductivity and the reading can only be considered as a qualitative measurement that indicates the near presence of highly conductive materials or soils.

The inphase response tends to be more sensitive to buried or surface metallic objects and relatively insensitive to changes in apparent conductivity of the soils. As with the

quadrature component, the inphase response can be negative or positive, relative to background, depending on the size, orientation and distribution of the metallic objects producing the anomaly. The inphase component is displayed in parts per thousand (ppt), which is the ratio of the secondary to primary field strengths.

Time Domain Electromagnetic Induction

The GEONICS EM61 was used for the time domain metal detection work. The EM61 consists of a portable coincident time-domain transmitter and receiver, which provides lateral resolution of buried metallic targets with sub-meter accuracy. The EM61 generates electromagnetic pulses 150 times per second and measures during the off-time between pulses. After each pulse, electromagnetic fields are induced briefly in moderately conductive earth and for a longer time in metallic targets. Between each pulse, the EM61 waits until response from the conductive earth dissipates and then measures the prolonged buried metal response. By sensing only the response from the buried metal, the EM61 detects targets that might be missed with the more conventional techniques. The EM61 records two channels of secondary response in millivolts (mV) for early and late time to distinguish deeper targets from shallow targets.

The depth of detection for buried metal may be as great as 4 or 5 metres depending on the size of the target. Typically, objects of the size and configuration of a single steel drum (45 gallon) may be detected at depth of burial on the order of 3 metres.

Utility and Pipeline Locator

A Schonstadt MAC-51B utility and pipeline locator was used to locate buried conductor at the site. This is a hand-held system that uses a dual function receiver. The receiver is designed to be used with a transmitter, that can be inductively or conductively coupled, for tracing buried cables and pipelines. In addition, the receiver can be used for locating ferrous objects including steel pipelines and tanks. Since the receiver is held close to the ground, during survey operations, it is relatively immune to external cultural interference. The sensitivity of the system is such that it can be used to accurately locate the lateral position of buried metallic conductors.

For the work at this site, the MAC-51B was used in the inductive coupling mode to locate a buried cable identified in the EM31 survey. In addition, an attempt was made to locate buried linear features identified in the magnetometer survey.

Ground Penetrating Radar

The GPR survey was conducted with a GSSI Sir System 2 which is a self contained, digital ground penetrating radar system with real time active matrix colour display, a 250 MByte hard drive, internal firmware and software for stacking, filtering, and a thermal graphic plotter. Antennas made available for the survey included 100 MHz, 300 Mhz and 500 MHz monostatic systems. Testing of the three antenna systems showed that the 500 MHz antenna provided the best resolution of buried targets.

During the survey, the antenna system is moved continuously along the survey track line and readings are taken at discrete intervals. As the antenna is moved, pulses of high frequency electromagnetic energy (500 MHz nominal centre frequency) are transmitted into the ground. Reflections are received from subsurface features that have electrical properties different from their surroundings. The reflections are processed, displayed on a colour display and plotted on a thermal printer. The display (screen and printer) present the received reflections as a continuous cross-sectional view of the subsurface along the survey track line. Typical features that can be identified on the graphic record are; soil stratigraphy, buried objects such as tanks, drums and pipes, zones of disturbed soil such as backfilled trenches, voids and variations in water content.

The maximum depth of investigation is limited in high conductivity materials. The presence of a thin high conductivity layer at or close to ground surface can greatly reduce the depth of investigation for the GPR technique. However, after the initial equipment testing at the site, it appeared that a disruption in the near-surface "hard pan" layer would allow for increased depth of investigation thereby allowing for detection of the trench boundaries.

3. FIELD WORK

Field work was conducted from June 13 to June 18, 1994 by Golder Associates Inc. personnel.

A reference grid was laid out for the geophysical survey to encompass an area inclusive of the possible trench locations identified during previous investigations. The origin for the grid was located at the southwest corner and was designated as (0E, 0N - east and north respectively) with east and north corresponding to "x" and "y" in a cartesian coordinate system. Griding consisted of staking reference lines across the study area at 25 metre intervals from north to south. The base-line at the south end of the site (0N) was staked at 2 metre intervals from west to east across the site. Additional reference lines (25N, 50N, 75N, 100N and 125N) were staked at 4 metre intervals (with a 2 metre offset between successive lines) from west to east across the site. Subsequent to completion of the EM31 survey coverage, an additional area was gridded along the east side of the site with stakes planted at 2 metre intervals from 76E to 84E on grid reference lines 35N, 50N, 75N, 100N and 125N. The staked positions along the grid reference lines are shown on Figure 2.

Readings for the EM31 survey were taken along lines spaced 2 metres apart. Reading locations were maintained by lining up along the staked line positions and the distance between readings was paced between the reference lines. This yielded an overall reading location accuracy of +/- 0.1 metres relative to the grid. The extent of the survey coverage for the EM31 survey coverage is shown in Figures 3 and 4. A single consistent instrument orientation (receiver north, transmitter south, waist height) was maintained throughout the survey and the lines were run in the same direction. The operator paused at each of the reading locations to allow the instrument to stabilize before initiating a reading. Two of the survey lines were repeated to provide a check against possible instrument drift. Drift was less than the tolerance specified for the EM31 (+/- 1 mS/m - quadrature and +/- 1 ppt - inphase) where readings were close to background.

Reading density for the EM61 survey was at 0.2 metre intervals on lines spaced 2 metres apart. Distance between measurements was initiated by a calibrated wheel. A single consistent instrument orientation was maintained throughout the survey with the operator alternating between pulling and pushing the instrument along the survey lines. The instrument was maintained on line by sighting along the stakes between the reference lines. Reading location accuracy was estimated to be +/- 0.05 metres referenced to the survey grid. Survey coverage for the EM61 is shown on Figures 5 and 6.

Preliminary analysis of the EM31 inphase data in the field identified a linear anomaly crossing the southwest portion of the survey area. The Schoenstadt MAC-51B utility locator was used to locate the anomaly to within +/- 0.05 metres and the location was marked with spray paint on the ground.

The GPR survey was run along the same grid lines as the EM31 and EM61 surveys but with less areal coverage. Lines were run at 2 and 4 metre line spacings from north to

south. The GPR lines are shown in Figure 7. Survey control along the lines was provided by laying a tape along the lines and marking a fiducial on the GPR records at 2 metre intervals. Reading location accuracy is estimated to be +/- 0.5 metres.

In addition to the geophysical surveys, control points from the previous magnetometer survey were tied to the grid reference lines with chainages from the staked reference points. Measurements of apparent trench locations (depressions and changes in vegetation cover) were also made and supplemented with observations by Brown and Root personnel.

4. RESULTS

Results of the geophysical survey are presented as follows:

- Colour contour plots of the EM31 quadrature and inphase data are presented in Figure 3 and 4 respectively.
- Colour contour plots of the EM61 early and late time response are presented on Figures 5 and 6.
- Results summarized from examination of the radar sections (GPR survey) are presented on Figure 7.
- A composite interpretation of the geophysical data combined with field observations are presented on Figure 8.

Because of the high dynamic range of the data for the EM31 and EM61 surveys, colour was used for shading contours to define values. The colour bars included on each of the figures shows the ranges for the shading. Anomalies due to buried metallic objects are inferred where instrument response differs significantly from background or where contour lines are tightly grouped indicating changes in instrument response over short distances.

A summary of the results for each of the geophysical methods used is provided below.

4.1 Frequency-Domain Electromagnetic Induction Survey (EM31)

Background terrain apparent conductivity varies from 6 to 10 mS/m across the site (Figure 3). Strong anomalous response possibly due to buried metal, shows where instrument response decreases below background and more subtle anomalies are indicated by tightly grouped contours within the range of background response.

Broad zones of anomalous high terrain apparent conductivity (>10 mS/m) show over the northeast and northwest portions and along the west side of the survey area. The reason for these zones of anomalous high apparent conductivity is unknown but it is suspected that there may be an increase in clay and/or water content in the subsurface in these areas.

Quadrature response across the southeast and south-central portion of the site is variable and generally above background. At the southeast corner of the site, manure from the riding stables has been dumped in piles and it is suspected that these retain sufficient moisture to produce the anomalous readings. The variable readings across the south-central portion of the site correspond to seven of the suspected trench locations defined in the high density magnetometer survey noted above. In addition to anomalous response due to buried metal within the trenches, it is likely that the ground has

preferentially retained moisture in the vicinity of the trenches which has produced the anomalous high and variable terrain apparent conductivity response.

The contoured inphase data show a number of discrete high amplitude anomalies, due to buried metal, in addition to more subtle anomalies (Figure 4). The linear anomaly across the southwest corner of the site is believed to be due to a shallow buried cable. This feature was verified with the Schoenstadt MAC-51B utility locator and has been included on Figure 8 as part of the composite interpretation. Previous surveys did not identify this feature.

Three other zones of anomalous inphase response (35 to 40 metres long by 2 to 5 metres wide) trend northwest to southeast across the central portion of the site. These correspond to three of the suspected trench locations defined in previous studies. These zones of anomalous response have been included on Figure 8 as probable trench locations.

4.2 Time-Domain Electromagnetic Induction Survey (EM61)

The contoured early and late time response data distinctly outline buried metal objects within the survey area (Figures 5 and 6). There is excellent correlation between these anomalies and the digitized results from the high density magnetometer survey (Figure 2). The locations of the EM61 anomalies are presented on Figure 8 as discrete locations of buried metal objects. An overlay of the two figures was used to designate the EM61 targets as ferrous or non-ferrous. It is noted that the magnetometer survey results were digitized from a photo copy of the original and that there is an apparent shift between the magnetometer anomalies presented in Figure 2 and the EM61 anomalies presented on Figures 5 and 6.

4.3 Utility and Buried Cable Locator (Schoenstadt MAC-51B)

The location of a shallow buried cable was mapped and marked on the ground during the survey. The location of this feature is included on Figure 8. Additional testing was completed in an attempt to locate the linear features (buried cables) identified with the high density magnetometer survey (Figure 2). The instrument was used in the inductive coupling mode but it was not possible to locate the buried cables.

4.4 Ground Penetrating Radar Survey (GSSI SIR System 2)

The radar survey identified anomalous subsurface conditions which are summarized on Figure 7 and interpreted on Figure 8. The GPR survey identified the following features:

- Disturbed Ground - these appear on the radar records as zones with dipping reflectors indicative of irregular subsurface features.

- Discrete Anomalies - these appear as discrete inverted parabolas with the apex defining the position and depth along the line.

- Multiple Anomalies - these appear as multiple inverted parabolas.

Prior to beginning the GPR survey, tests were made with the 120, 300 and 500 MHz antenna systems. Only the 500 MHz antenna provided useful results for detection of buried objects and disturbed ground at the site. Resolution with the 120 and 300 MHz systems was poor and it was not possible to resolve shallow subsurface layering or individual buried objects.

As noted above, GPR records are a cross-sectional view that present the received signal strength as a function of time. However, to determine depth, it is necessary to determine the velocity of propagation of the radar energy in the subsurface. This can be accomplished by either surveying over a feature of known depth and using the time:depth relationship to calculate a velocity or by velocity sounding with a bistatic antenna system. Neither of these methods could be applied in the field as there were no objects of known location or depth and the antenna systems were monostatic. A velocity of (.1m/nanoseconds) taken from published values (Annan and Cosway, 1992), was used to calculate a depth scale. This velocity is in between the velocity for dry and saturated sand. This is an estimate and could be in error by 20 to 30 percent. Based on the velocity estimate, the maximum depth of investigation for the GPR survey was 1.3 to 1.5 metres (25 ns two-way travel time).

5. CONCLUSIONS AND RECOMMENDATIONS

A composite interpretation of the results of the geophysical survey is provided on Figure 8. The results of the geophysical survey are summarized as follows:

- Terrain apparent conductivity mapping (EM31 survey) shows that subsurface materials at the RB-11 site have variable conductivity which may be indicative of varying clay content, water content or fill material. A zone of anomalous high instrument response in the south central portion of the site is associated with the suspected location of seven trench locations identified in previous studies. Anomalies interpreted to be due to buried metal are evident in the contoured data. The data set cannot be used to accurately define trench locations.

- Contoured results for the EM31 inphase response shows the presence of 15 distinct anomalies indicative of buried metal objects or collections of objects throughout the survey area. A well defined linear anomaly was identified crossing the southwest corner of the survey area. This was interpreted to be a shallow (<.25 metres) buried conductor such as a cable. Three subtle inphase anomalies correlate with depressions in the ground or changes in vegetation and are thought to mark the surface extent of three trenches.

- Results from the EM61 survey have clearly identified the location of more than 70 metallic objects buried within the upper 3 to 5 metres of the subsurface. Examination of the relative amplitude of the early and late response data shows that most of these anomalies are within 2 metres of the ground surface. Correlation of these anomalies with results from the high density magnetometer survey provides a basis for differentiating between ferrous and non-ferrous targets.

- The Schoenstadt MAC-51B buried utility and cable locator was useful for identifying the position and nature of the linear feature identified with the EM31 inphase results. The buried cables identified in the previous magnetometer survey could not be detected with this instrument.

- The GPR survey was useful for delineating disturbed ground and discrete and multiple buried objects with a total depth of investigation of 1.3 to 1.5 metres. Summarized GPR results, presented on Figure 8, indicate that disturbed ground and buried objects occur beyond the previously suspected trench locations. The GPR data were not useful for mapping the depth of the trenches due to attention of the signal. In addition the not clearly defined trench edges could be identified of the GPR data.

The geophysical survey has been very successful in accurately identifying subsurface features and targets. Based on the results of the geophysical survey, trench outlines at the RB-11 site are generally irregular and it appears that some of the waste materials may

have been buried in pits rather than straight trenches with well defined edges. Furthermore, it is apparent from comparing the location of the ground surface depressions and changes in vegetation cover with the geophysical results that some of the trench materials do not provide a significant geophysical signature, due to a lack of contrast, between the material and the native soil.

A mandate of the follow-up drilling investigation was to avoid drilling into the trenches or encountering buried metal objects. Based on the results of the geophysical survey presented herein, the following recommendations are provided:

- it is recommended that test boreholes should not be located within any of the areas identified as anomalous on Figure 8,
- it is recommended that test boreholes should not be located within 1 metre of the discrete anomalies identified outside of the areas designated as disturbed ground, and
- it is recommended that all sources of information regarding the location of buried waste at the RB-11 site be integrated prior to locating test boreholes for subsurface sampling.

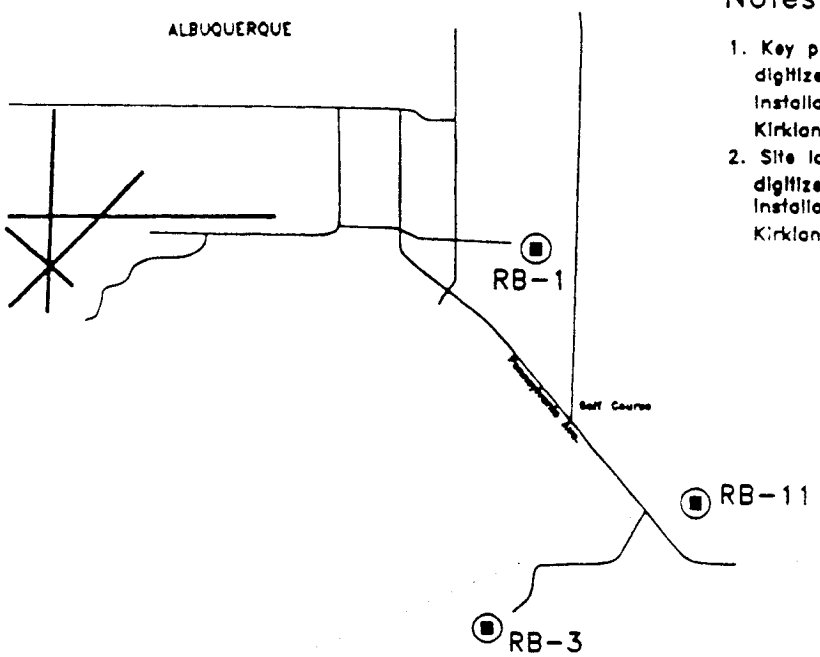
REFERENCES

McDonald, J.R., Robertson, R., and Cochran, J.R., 1994. Results of a Magnetometer Towed Array Survey and Sub-System Testing at Site RB-11, Kirtland Air Force Base, Albuquerque, NM. Naval Research Laboratory and Sandia National Laboratories Report, Washington, DC 20375-5320 NRL/PU/6110--94-257

Annan, A.P., Cosway, S.W., 1992. Ground Penetrating Radar Survey Design. Paper prepared for the Annual Meeting of SAGEEP, Chicago, April 26-29, 1992

FIGURES

KEY:



Notes:

1. Key plan mapping information digitized from Figure 4.15 of the Installation Restoration Program, Phase I: Kirkland AFB.
2. Site location map information digitized from Figure 1.15 of the Installation Restoration Program, Phase I: Kirkland AFB.

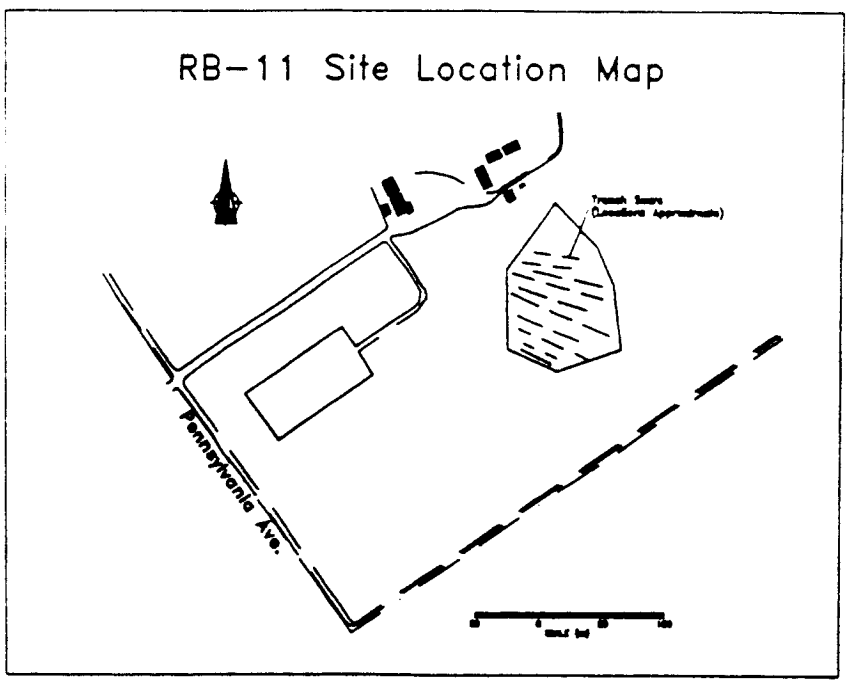


FIGURE 1

PLAN AND SITE LOCATION MAP

HALLIBURTON NUS CORP./ KIRTLAND AFB/NEW MEXICO

DWG D CAD 9442003' 40541 DATE 8-3-94 15:26

Golder Associates

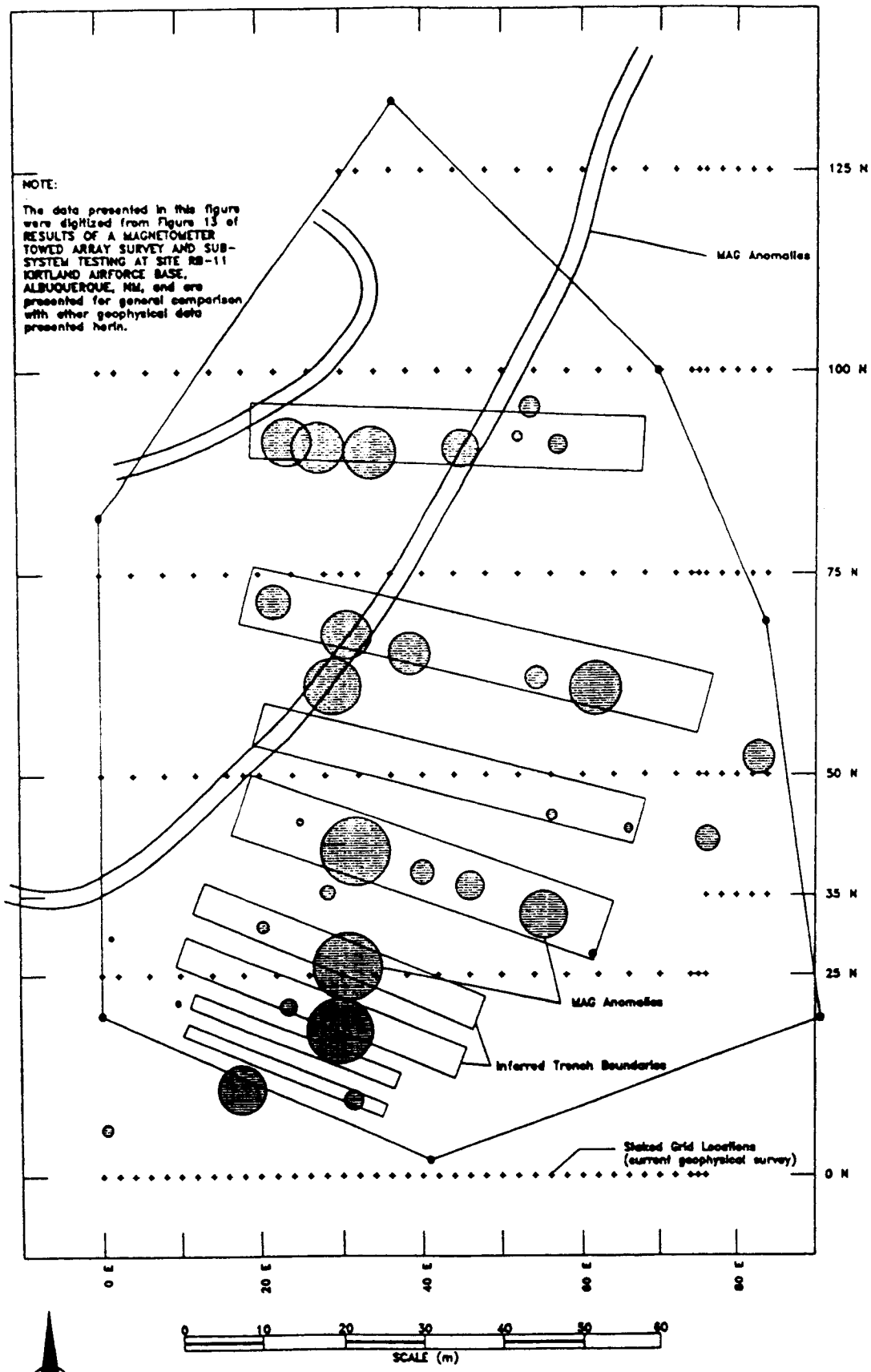


FIGURE 2

DIGITIZED DATA FROM TOWED ARRAY MAGNETOMETER SURVEY

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Golder Associates

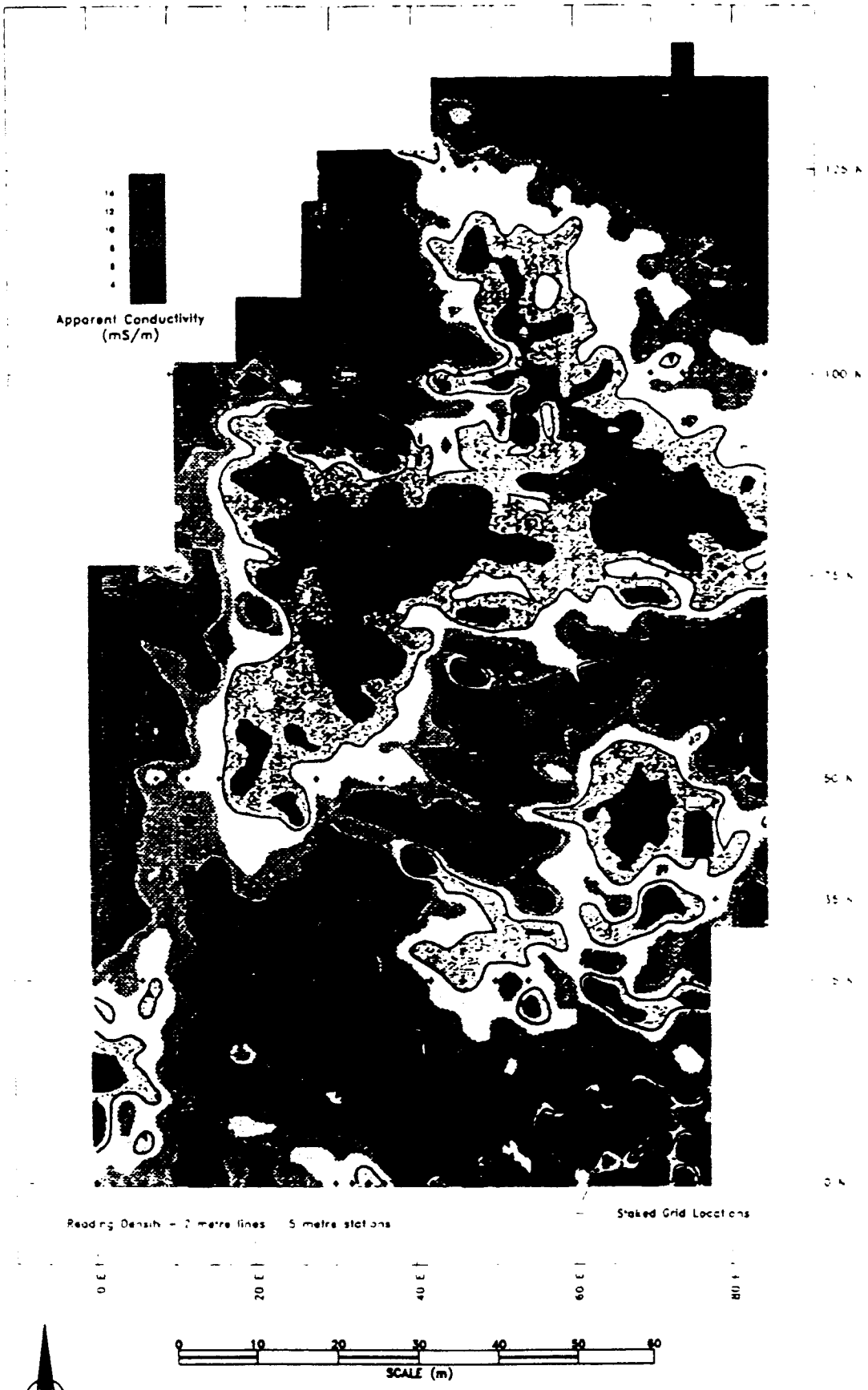

FIGURE 3

CONTOURED EM31 QUADRATURE RESPONSE

HALLIBURTON NUS CORP./KIRTLAND AFB/NEW MEXICO

DWG ID: \CAD\9442003\40543 DATE 8-3-94 16:04

Golder Associates

FIGURE **4**

CONTOURED EM31 INPHASE RESPONSE

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DWG ID: \CAD\9442003\40544 DATE 8-3-94 16:08

Golder Associates

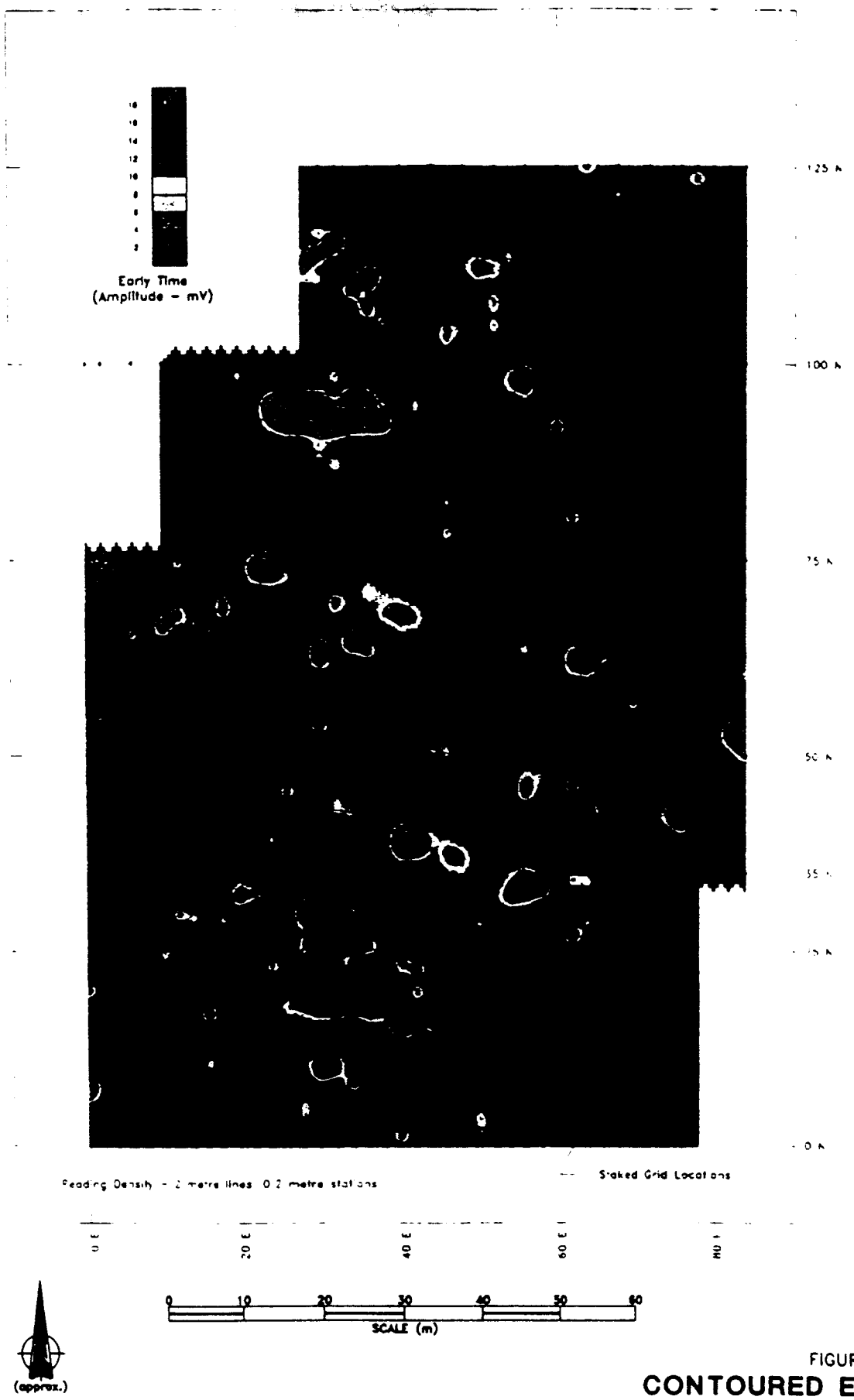


FIGURE 5

CONTOURED EM61 EARLY TIME RESPONSE

HALLIBURTON NUS CORP./KIRTLAND AFB/NEW MEXICO

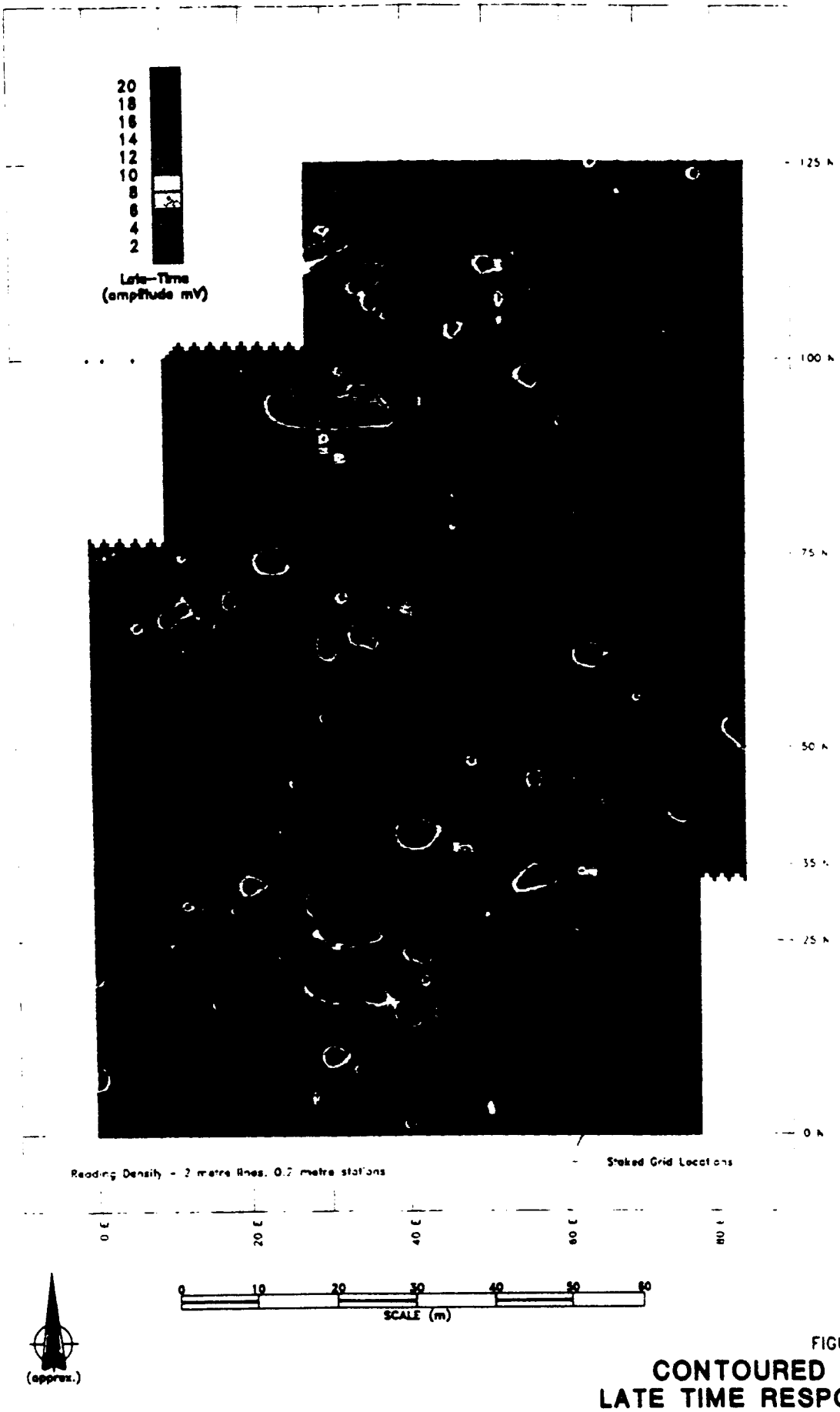


FIGURE 6

CONTOURED EM61 LATE TIME RESPONSE

HALLIBURTON NUS CORP./KIRTLAND AFB/NEW MEXICO

DWG ID: \CAD\9442003\40546 DATE 8-3-94 16:11

Golder Associates

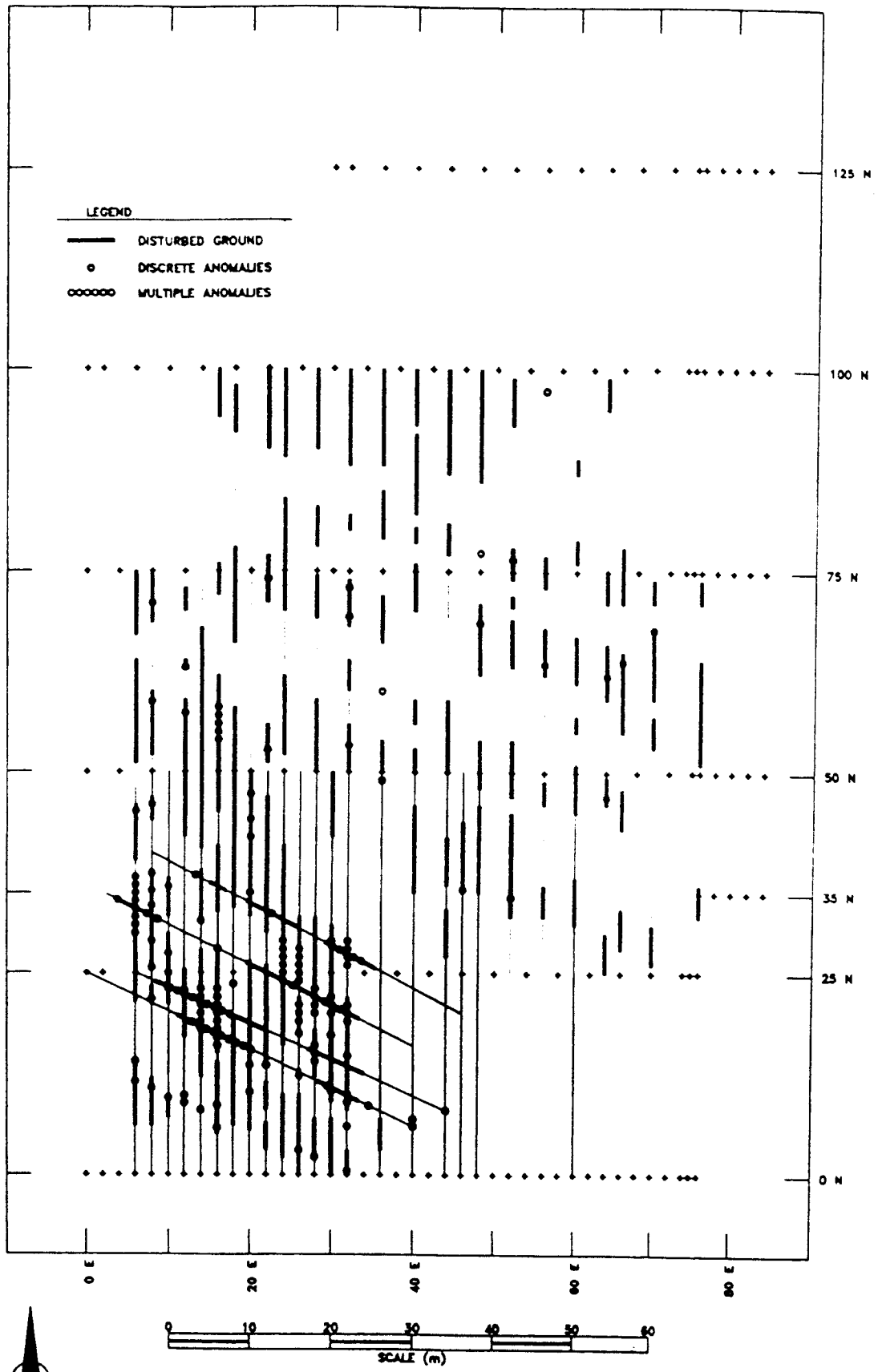


FIGURE 7

DISTURBED GROUND AND DISCRETE ANOMALIES FROM GROUND PENETRATING RADAR DATA

HALLIBURTON NUS CORP./KIRTLAND AFB/NEW MEXICO

DWG ID: CAD 9442003 40547 DATE 8-3-94 16:51

Golder Associates

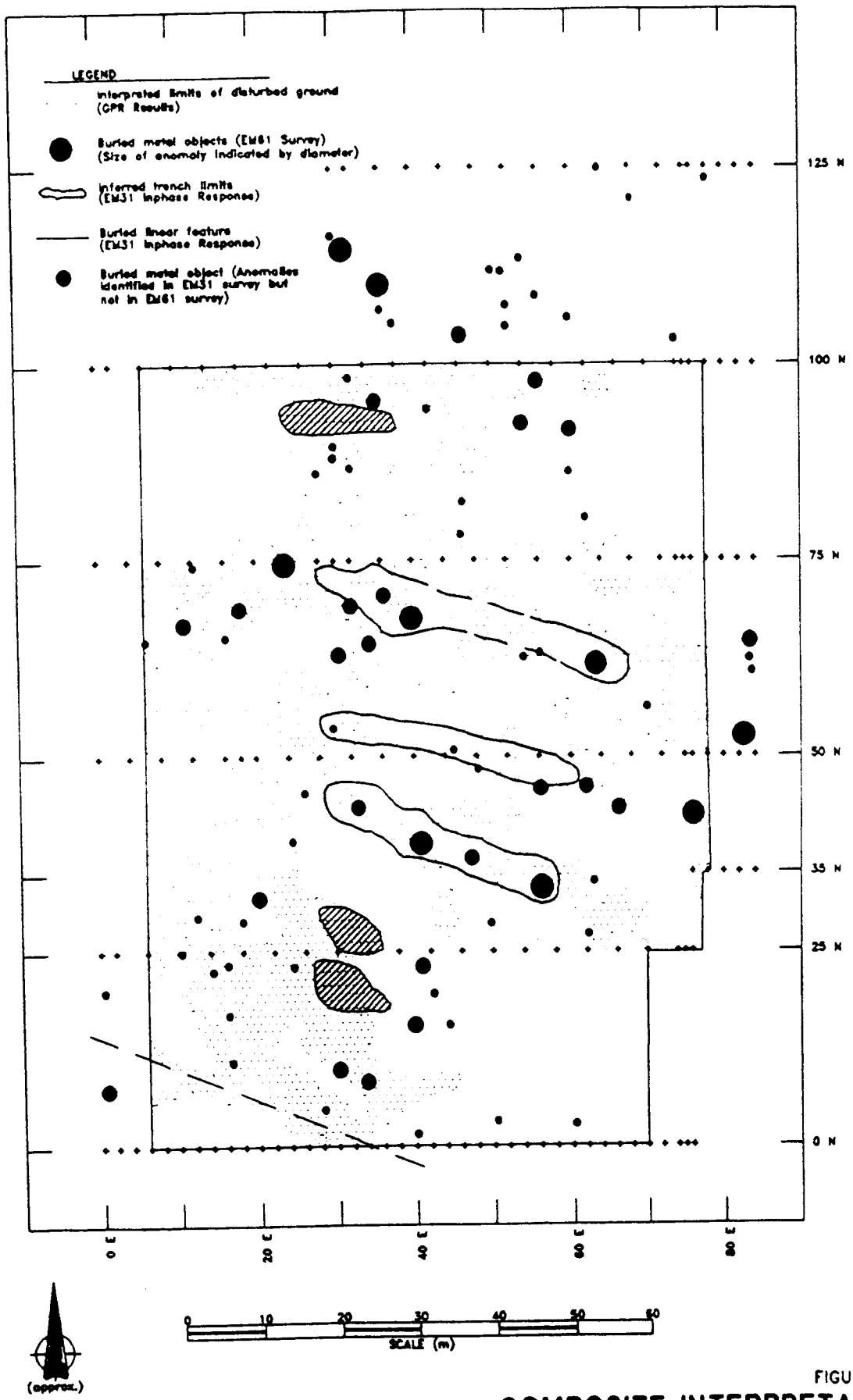


FIGURE 8

COMPOSITE INTERPRETATION

HALLIBURTON NUS CORP./KIRTLAND AFB/NEW MEXICO

Golder Associates

DATE 8-4-94 9:23

Appendix E

Surveying Data

SURVEY COORDINATES FOR 2D-1

Pt #	North	East	Elev	Control Pt Sample No
823	1457854.4	419713.4	5455.0	RB-11-S-6
824	1457827.4	419752.0	5456.1	RB-11-1
825	1457814.4	419781.3	5457.1	RB-11-2
826	1457804.3	419806.3	5457.5	RB-11-3
827	1457815.4	419825.1	5457.9	RB-11-7
828	1457827.9	419787.5	5457.1	RB-11-6
829	1457834.9	419770.9	5456.6	RB-11-5
830	1457851.8	419732.6	5455.6	RB-11-4
831	1457857.5	419755.9	5456.3	RB-11-8
832	1457847.8	419777.3	5457.0	RB-11-9
833	1457825.1	419846.0	5457.6	RB-11-10A
834	1457824.8	419847.8	5457.6	RB-11-10B
835	1457821.7	419855.0	5457.8	RB-11-10C
836	1457819.5	419860.7	5457.8	RB-11-10D
837	1457853.2	419816.5	5457.3	RB-11-13A
838	1457852.4	419815.5	5457.3	RB-11-13B
839	1457867.1	419781.1	5456.8	RB-11-12
840	1457878.5	419765.9	5456.5	RB-11-11
841	1457900.5	419726.4	5455.1	RB-11-S-5
842	1457924.6	419747.8	5455.5	RB-11-S-4
843	1457927.5	419759.7	5455.9	RB-11-16
844	1457887.3	419793.9	5456.9	RB-11-14
845	1457875.9	419822.5	5457.5	RB-11-15A
846	1457877.0	419822.8	5457.6	RB-11-15B
847	1457903.9	419818.4	5456.4	RB-11-17
848	1457893.4	419905.0	5457.4	RB-11-19A
849	1457894.4	419903.8	5457.4	RB-11-19B
850	1457916.5	419850.3	5456.0	RB-11-18
851	1457941.6	419829.2	5455.7	RB-11-21
852	1457957.7	419787.9	5455.4	RB-11-20 A?
853	1457958.1	419788.9	5455.4	RB-11-20 B?
854	1457950.0	419723.6	5454.7	RB-11-28
855	1457970.0	419714.5	5454.0	RB-11-S-3
856	1457986.8	419721.3	5454.4	RB-11-32
857	1458050.0	419700.0	5452.4	RB-11-S-2
858	1458023.0	419746.6	5454.0	RB-11-24
859	1458001.1	419775.3	5454.5	RB-11-25
860	1457951.7	419882.4	5456.1	RB-11-22
861	1457927.7	419928.5	5457.3	RB-11-23
862	1457997.3	419847.7	5455.2	RB-11-26
863	1458008.5	419880.6	5455.6	RB-11-27
864	1458047.1	419843.5	5454.7	RB-11-31
865	1458035.5	419807.5	5454.5	RB-11-30
866	1458069.4	419787.3	5453.6	RB-11-33
867	1458058.5	419769.0	5453.5	RB-11-29
868	1458068.2	419729.1	5452.6	RB-11-S-1
869	1458095.9	419736.8	5452.6	RB-11-35A
870	1458097.2	419736.4	5452.6	RB-11-35C
871	1458106.1	419801.9	5453.5	RB-11-36

Pt #	North	East	Elev	Control Pt Sample No
872	1458090.5	419890.5	5454.9	RB-11-34
875	1473662.0	394581.5	5317.5	ST 211-01
885	1463914.4	432282.2	6315.8	RB-07-01
886	1463885.4	432316.4	6316.0	RB-07-08
887	1463867.3	432319.7	6315.5	RB-07-07
888	1463852.3	432321.3	6315.0	RB-07-06
889	1463773.3	432323.0	6311.0	RB-07-03
890	1463758.7	432322.3	6310.1	RB-07-02
891	1463759.7	432353.4	6302.1	RB-07-04
892	1463775.4	432346.6	6303.1	RB-07-05
893	1463829.3	432341.6	6303.8	RB-07-09
894	1463848.5	432339.7	6303.6	RB-07-10
895	1463868.1	432338.1	6304.7	RB-07-11
896	1463706.4	432369.1	6302.9	FENCE-CHAIN LINK
897	1463696.4	432320.7	6305.4	FENCE-CHAIN LINK
898	1463902.8	432291.7	6315.0	FENCE-CHAIN LINK
899	1463912.5	432339.8	6312.3	FENCE-CHAIN LINK

N

NOT TO SCALE

N 1458400

N 1458200

N 1458000

E 419400

E 419500

E 419600

LOCATION UNKNOWN

48064

48059

48056

48057

48051

RB-11-35C
RB-11-35A
RB-11-36
RB-11-34
RB-11-S-1
RB-11-33
RB-11-29
RB-11-S-2
RB-11-31
RB-11-30
RB-11-24
RB-11-27
RB-11-25
RB-11-26
RB-11-32
RB-11-S-3
RB-11-20-A?
RB-11-20-B?
RB-11-28
RB-11-22
RB-11-21
RB-11-S-4
RB-11-16
RB-11-23
RB-11-18
RB-11-17
RB-11-S-5
RB-11-19B
RB-11-19A
RB-11-14
RB-11-11
RB-11-15B
RB-11-15A
RB-11-12
RB-11-8
RB-11-13A
RB-11-S-6
RB-11-4
RB-11-9
RB-11-13B
RB-11-5
RB-11-1
RB-11-6
RB-11-10A
RB-11-10B
RB-11-10C
RB-11-10D
RB-11-7
RB-11-2
RB-11-3

N 1457300

E 418100

SKETCH OF SAMPLING LOCATIONS
KIRTLAND AIR FORCE BASE
ALBUQUERQUE, NEW MEXICO

ALBUQUERQUE SURVEYING CO., INC.
2119 MENAUL BOULEVARD, N.E.
ALBUQUERQUE, NEW MEXICO 87107
PH. (505) 884-2036 FAX (505) 884-3796

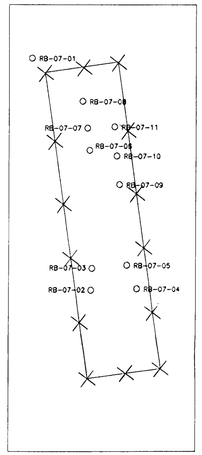
SHEET NO.: 1 OF 2

SCALE:	DRAWN BY:	CHECKED BY:	DATE:	JOB NO.:
NTS	BEH	VJ	11/94	MISC-B2

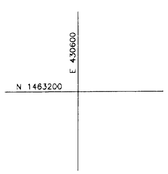
RW-17

NOT TO SCALE

RW-21



INSET A



SKETCH OF SAMPLING LOCATIONS
KIRTLAND AIR FORCE BASE
ALBUQUERQUE, NEW MEXICO

ALBUQUERQUE SURVEYING CO., INC.
2119 MENAUL BOULEVARD, N.E.
ALBUQUERQUE, NEW MEXICO 87107
PH. (505) 884-2036 FAX (505) 884-3796

SHEET NO.: 2 OF 2

SCALE:	DRAWN BY:	CHECKED BY:	DATE:	JOB NO.:
NTS	BEH	VJ	11/94	MISC-B2

F

Appendix F

Chain-of-Custody Forms

COC# 070594-01 Field Lot 011A IVU

Halliburton NUS CORPORATION — **NUS LABORATORY** — **CHAIN OF CUSTODY RECORD**

PROJECT NO.: 2A96 | SITE NAME: Kirtland AFB

SAMPLERS (SIGNATURE): Richard Raymond

STATION NO.	DATE 1994	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	2 amber jar SVOC	2 amber jar DRO	40 ml VOA vials GRO	1L HDPE Plastic metals, Hg	1L HDPE Plastic cyanide	1 gallon Plastic gross α, gross β, Ra 228	40 ml VOA vials VOC	Brass tube VOC/GRO	Brass tube SVOC/DRO	Brass tube metals, Hg, CN, pH moisture	Brass tube gross α, gross β, Ra 226 + Ra 228	REMARKS
RB11	7/5	0945		✓	KAFB-RB11-EB-070594	10	1	1	2	1	1	2	2					cooled 4°
—		0940		✓	KAFB-RMB-TB-DI-070594	2							2					
RB-11		1120		✓	KAFB-RB11-01-0307	7								1	1	1	4°	
		1150		✓	KAFB-RB11-01-0813	7								1	1	1	4°	
		1230		✓	KAFB-RB11-01-1822	7								1	1	1	4°	
		1420		✓	KAFB-RB11-02-0308	7								1	1	1	4°	
		1510		✓	KAFB-RB11-02-0813	7								1	1	1	4°	

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
Richard Raymond	7/5/94 1810	FED EX AIRBILL # 928336171 0			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME: 7/5 1640	REMARKS:	

NUS 440 REVISED 0891

COC# 070694-01 Field Lot# 011A NUS

Halliburton NUS CORPORATION — **NUS LABORATORY** — **CHAIN OF CUSTODY RECORD**

PROJECT NO.: 2A96 | SITE NAME: Kirtland AFB

SAMPLERS (SIGNATURE): Rachel M Layman

STATION NO.	DATE 1994	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	1 gal plastic Ra 226, Ra 228 gross α+gross β	2 L amber jar 8 VOC	2 L amber jar DRO	40 ml VOA vials E/RO	40 ml VOA vials VOC	1 L HDPE Plastic metals, Hg	1 L HDPE plastic cyanide	6" brass tube 8 VOC/DRO	6" brass tube VOC	6" brass tube Ra 226, Ra 228, gross α, gross β	6" brass tube metals, Hg, CN, pH, moisture	REMARKS: cooled 4°C
RB11	7/6	0705		✓	KAFB-TB-DI-070694	2	2 RML	1 RML	1 RML	2 RML	2							
		0730		✓	KAFB-RB11-EB-070694	10	2	1	1	2	2	1	1					
		1020		✓	KAFB-RB11-02-1822	6								1	1	3	1	
		1325		✓	KAFB-RB11-17-0307	6								1	1	3	1	
		1345		✓	KAFB-RB11-17-0812	6								1	1	3	1	
		1415		✓	KAFB-RB11-17-1318 RML	6								1	1	3	1	
		1510		✓	KAFB-RB11-17-1823	6								1	1	3	1	
		1640		✓	KAFB-RB11-17-2832	6								1	1	3	1	

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
Rachel M Layman	7-6-94 1745	Fed Ex Airbill # 928336 1706			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS:	
			7/7 0930	Contact: Rick Rexroad 247-4933	

NUS 440 REVISED

Cat 5 10791-01 Field Lot = C11A NUS

Halliburton NUS CORPORATION — **NUS LABORATORY** — **CHAIN OF CUSTODY RECORD**

PROJECT NO.: 2A96 | SITE NAME: Kirtland AFB

SAMPLERS (SIGNATURE): Rachel M Layman

STATION NO.	DATE 1994	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	1gal Plastic Ra226	1L amber grossα,β	2L amber SVOC	40ml VOA DRO	40ml VOA VOC	1L HDPE GRO	1L HDPE metals, Hg	1L HDPE cyanide	6" brass SVOC/DRO	6" brass VOC/GRO	6" brass Hg, CN, pH, moisture	6" brass grossα,β, Ra226, Ra228	REMARKS
RB11	7/7	0745		✓	KAFB-TB-D1-070794	2				2									cooled 4°C
		0745		✓	KAFB-RB11-EB-070794	10 9 RML RML	2 1	1	1	2	2	1	1						
		0855		✓	KAFB-RB11-99 16-0307	10 6 RML									1	1	1	3	
		0945		✓	KAFB-RBH-16-0307 RR 7-7-94	10 6 RML									1	1	1	3	
		1000		✓	KAFB-RB11-16-0812	6									1	1	1	3	—
		1135 1040	RB 7-7-94	✓	KAFB-RB11-16-1321	6									1	1	1	3	—
		1230		✓	KAFB-RB11-16-2125	6									1	1	1	3	—
		1620		✓	KAFB-RB11-16-2830	6									1	1	1	3	

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
Rachel M Layman	7/7/94 1745	Fed Ex Air Bill No. 928336 1684			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS:	
		J Cohen	7/8 0830	Contact: Rick Rexroad 247-4933	

NUS 440 REVISED 0891

COC# 070894-01 Field Lot# 011A NUS

Halliburton NUS CORPORATION — **NUS LABORATORY** — **CHAIN OF CUSTODY RECORD**

PROJECT NO.: 2A96 | SITE NAME: Kirtland AFB

SAMPLERS (SIGNATURE): ~~2A96~~ RML Rachel M Layma

STATION NO.	DATE 1994	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	40 ml VOA GRO	40 ml VOA VOC	1 gal plastic gross β gross Ra 228 Ra 226	1 L HDPE metals, Hg	1 L HDPE cyanide	2 L amber SVOC	2 L amber DRO	6" brass SVOC/DRO	6" brass VOC/GRO	6" brass metals, Hg, CN, pet. mashes	6" brass gross β, gross α, Ra 228, Ra 226	REMARKS
RB11	7/8	0740		✓	KAFB-TB-DI-070894	2		2										cooled 4°C
		0735		✓	KAFB-RB11-EB-070894	9	2	2	1	1	1	1	1					
		0925		✓	KAFB-RB11-RML-19-0307	6								1	1	1	3	
		0943		✓	KAFB-RB11-19-0812	6								1	1	1	3	
		1040		✓	KAFB-RB11-19-1319	6								1	1	1	3	
		1115		✓	KAFB-RB11-19-1923	6								1	1	1	3	
		1225		✓	KAFB-RB11-98-0307	6								1	1	1	3	
		1515		✓	KAFB-RB11-19-2833	6								1	1	1	3	

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
Richard Heyroud	7/8/94 1710	FED EX AIRBILL # 928336 1673			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS:	

NUS 440 REVISE

Cust # 0[illegible]-1 Fed Lab # 0..A

Halliburton NUS CORPORATION — **NUS LABORATORY** — **CHAIN OF CUSTODY RECORD**

PROJECT NO.: 2A96 | SITE NAME: Kirtland AFB

SAMPLERS (SIGNATURE): Rachel M Layman

STATION NO.	DATE 1994	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	1 gal plastic gross β, Ra-226	1 L HDPE metals, Hg	1 L white plastic cyanide	1 L amber SVOC	2 L amber DRO	40 ml VOA GRO	40 ml VOA VOC	6" brass SVOC/DRO	6" brass VOC/GRO	6" brass metals, Hg, wt. moisture	6" brass gross α, gross β, Ra-226	REMARKS
RB11	7/11	0730		✓	KAFB-TB-DI-071194	2						2						cooled 4°C
	7/11	0800		✓	KAFB-RB11-EB-071194 RML	29	1	1	1	1	1	2	2			RML		
	7/11	1240		✓	KAFB-RB11-18-0107 RML	18								3X	X3	X3	39	(ms/msd)
	7/11	1030		✓	KAFB-RB11-18-0711	6								1	1	1	3	
		1105		✓	KAFB-RB11-18-1317	6								1	1	1	3	
		1135		✓	KAFB-RB11-18-1822	6								1	1	1	3	
		1215		✓	KAFB-RB11-18-2832	6								1	1	1	3	
		~~1405~~ 1240 RML		✓	KAFB-RB11-~~21~~ 18 RML-0307	6								1	1	1	3	
		1425		✓	KAFB-RB11-21-0812	6								1	1	1	3	
		1445		✓	KAFB-RB11-21-1317	6								1	1	1	3	
		1540		✓	KAFB-RB11-21-1822	6								1	1	1	3	
		1620		✓	KAFB-RB11-21-2832	6								1	1	1	3	

RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)	RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)
Rachel M Layman	7/11/94 1730	RML Fed Ex Airbill No. 928353616651			
RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)	RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)
RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED FOR LABORATORY BY (SIGNATURE)	DATE / TIME	REMARKS	
			7/12 0932		

NUS 440 REVISED 0891

071294-01 Field Lot # 011A P 1/3 HNUS Lab

Halliburton NUS CORPORATION

NUS LABORATORY

CHAIN OF CUSTODY RECORD

PROJECT NO.:	SITE NAME:
2A96	KAFB

SAMPLERS (SIGNATURE): Richard Rexroad

STATION NO.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	40-ml (VOCs)	9-inch brass tube (Metals, tdg, CUSL, pH & Moisture)	6-inch brass tube (VOC & GRO)	6-inch brass tube (SVOC & DRO)	6-inch brass tube (Ra 226, Ra 228, Gross α, Gross β)	REMARKS
RB11	7/12	0700		✓	~~TRIP~~ KAFB-TB-02-071294	2	2					Cooled to 4°C
RB11	7/12	0834		✓	KAFB-RB11-03-0307	6		1	1	1	3	
RB-11	7/12	0916		✓	KAFB-RB11-03-0812	6		1	1	1	3	
✓	7/12	1030		✓	KAFB-RB11-03-1721	6		1	1	1	3	
✓	7/12	1134		✓	KAFB-RB11-~~99~~ LW 97-0307	6		1	1	1	3	
✓	7/12	1335		✓	KAFB-RB11-07-0307	6		1	1	1	3	
✓	7/12	1400		✓	KAFB-RB11-07-0812	6		1	1	1	3	
✓	7/12	1456		✓	KAFB-RB11-07-1822	6		1	1	1	3	
✓	7/12	1530		✓	KAFB-RB11-10-0307	6		1	1	1	3	
✓	7/12	1550		✓	KAFB-RB11-10-0812	6		1	1	1	3	

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
Richard Rexroad	7/12/94 1737	FEDEX AIRBILL # 928.3361625			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS:	
			7/13 0930		

NUS 440 REVISED

WO# 07124-01 Field at the 126 1/3 NUS

Halliburton NUS CORPORATION — **NUS LABORATORY** — **CHAIN OF CUSTODY RECORD**

PROJECT NO.: 2496 | SITE NAME: Kirtland AFB

SAMPLERS (SIGNATURE): Rachel M Layman

STATION NO.	DATE 1994	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	6" brass SVOC/DRO	6" brass VOC/GRO	6" brass metals, CN, pH, moisture Hg	6" brass gross α, gross β, Ra-228, Ra-226			REMARKS
RB11	7/12	1510		✓	KAFB-RB11-20-0812	6	1	1	1	3			cooled 4°C
		1535		✓	KAFB-RB11-20-1315	6	1	1	1	3			
		1605			KAFB-RB11-20-1822	6	1	1	1	3			
		1645			KAFB-RB11-20-2832	6	1	1	1	3			

RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)	RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)
Rachel M Layman	7/12/94 1750	Fed Ex Airbill No. 928336116361			
RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)	RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)
RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED FOR LABORATORY BY (SIGNATURE)	DATE / TIME: 7/13 0900	REMARKS:	

NUS 440 REVISED 0891

COC# 071294-01 Field Lot #012B 2/3 NUS

Halliburton NUS CORPORATION NUS LABORATORY **CHAIN OF CUSTODY RECORD**

PROJECT NO.: 2A96

SITE NAME: Kirtland AFB

SAMPLERS (SIGNATURE): Rachel M Layman

STATION NO.	DATE 1994	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	1 gal plastic gross α, β, Ra 228, 226	2 l amber SVOC	2 l amber DRO	1 l HDPE metals, Hg, ~~pH, moisture~~ RML	40 ml VOA - GRO	40ml VOA - VOC	1 l HDPE plastic Cyanide	6" brass VOC/GRO	6" brass SVOC/DRO	6" brass metals, Hg, CN, pH, moisture	6" brass gross α, β, Ra 228, Ra 226	REMARKS
																		cooled 4°C
RB11	7/12	0700		✓	KAFB-RB11-EB-071294	2						2						↓
↓	↓	0720		✓	KAFB-TB-01-071294	9	1	1	1	1	2	2	1					
		0830		✓	KAFB-RB11-23-0307	6								1	1	1	3	
		0905		✓	KAFB-RB11-23-0812	6								1	1	1	3	
		0930		✓	KAFB-RB11-23-1317	6								1	1	1	3	
		0955		✓	KAFB-RB11-23-1822	6								1	1	1	3	
		1030		✓	KAFB-RB11-23-2832	6								1	1	1	3	
		1120		✓	KAFB-RB11-22-0307	6								1	1	1	3	
		1135		✓	KAFB-RB11-22-0812	6								1	1	1	3	
		1210		✓	KAFB-RB11-22-1317	6								1	1	1	3	
		1315		✓	KAFB-RB11-22-1822	6								1	1	1	3	
		1350		✓	KAFB-RB11-22-2832	6								1	1	1	3	
		1430		✓	KAFB-RB11-20-0307	6								1	1	1	3	
↓	↓	1455		✓	KAFB-RB11-~~20~~96-0307	6								1	1	1	3	↓

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
Rachel M Layman	7/12/94 1750	Fed Ex Airbill No 9283361636			
RELINQUISHED BY (SIGNATURE):	**DATE / TIME:**	**RECEIVED BY (SIGNATURE):**	**RELINQUISHED BY (SIGNATURE):**	**DATE / TIME:**	**RECEIVED BY (SIGNATURE):**
RELINQUISHED BY (SIGNATURE):	**DATE / TIME:**	**RECEIVED FOR LABORATORY BY (SIGNATURE):**	**DATE / TIME:**	**REMARKS:**	
		[signature]	7/13 0930		

NUS 440 REVISED 085

COC # C1139i-Ca   Field ott - 0124   :10C

Halliburton NUS CORPORATION | **NUS LABORATORY** | ***CHAIN OF CUSTODY RECORD***

PROJECT NO.: 2A96

SITE NAME: Kirtland AFB

SAMPLERS (SIGNATURE): [signature]

STATION NO.	DATE 1994	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	6" brass VOC/GRO	6" brass SVOC/DRO	6" brass metals Hg, CN, pH, moisture	6" brass gross α gross β Ra 228 Ra 226	40 ml VOA VOC		REMARKS cooled 4°C
RB11	7/13	0715		✓	KAFB-~~RB11~~ TB-D-071394 (RKW)	2					2		↓
		0840		✓	KAFB-RB11-25-0307	6	1	1	1	3			
		0840		✓	KAFB-RB11-94-0307	6	1	1	1	3			
		0915	•	✓	KAFB-RB11-25-0812	12	2	2	2	6			MS/MSD
		0945	•	✓	KAFB-RB11-25-1317	6	1	1	1	3			
		1005	•	✓	KAFB-RB11-25-1822	6	1	1	1	3			
		1035	•	✓	KAFB-RB11-25-2832	6	1	1	1	3			
		1120	•	✓	KAFB-RB11-24-0307	6	1	1	1	3			
		1138	•	✓	KAFB-RB11-24-0812	6	1	1	1	3			
		1150	•	✓	KAFB-RB11-24-1317	6	1	1	1 (RKW)	3			
		1300	•	✓	KAFB-RB11-24-1822	6	1	1	1	3			
		1330	•	✓	KAFB-RB11-24-2832	6	1	1	1	3			
		1420	•	✓	KAFB-RB11-30-0307	6	1	1	1	3			
		1420	•	✓	KAFB-RB11-93-0307	6	1	1	1	3			↓

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
K. Crandall	7/13/94 1730	FED EX AIR BILL 9283361603			

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS:
		[signature]	7/14 0930	

NUS 440 REVISED 0891

COC# 071394-02 Field Lot# 012B NUS

Halliburton NUS CORPORATION

NUS LABORATORY

CHAIN OF CUSTODY RECORD

PROJECT NO.: 2A96

SITE NAME: Kirtland AFB

SAMPLERS (SIGNATURE): [signature]

STATION NO.	DATE 1994	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	6" brass VOC/GRD	6" brass SVOC/DRD	6" brass CN, 16 Metals, Hg, ...	6" brass Gross α/β, Ra 226+228			REMARKS
RB11	7/13	1435		✓	KAFB-RB11-30-0812	6	1	1	1	3			Cooled 4°C
↓	↓	1500		✓	KAFB-RB11-30-1317	6	1	1	1	3			↓
		1525		✓	KAFB-RB11-30-1822	6	1	1	1	3			
		1630		✓	KAFB-RB11-30-2832	6	1	1	1	3			

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
K. Crandall	7/13/94 1730	AIR BILL 9283361603			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE): [signature]	DATE / TIME: 7/14 0930	REMARKS:	

NUS 440 REVISED

011394T-61 Field Lot # C1A

Halliburton NUS CORPORATION — **NUS LABORATORY** — **CHAIN OF CUSTODY RECORD**

PROJECT NO.: 2A96 | SITE NAME: Kirtland AFB

SAMPLERS (SIGNATURE): Richard Norwood

STATION NO.	DATE 1994	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	6-inch brass tubes (VOC) (GRO)	6-inch brass tube (SVOC) (DRO)	6-inch brass tube (metals, Hg, soil moisture)	6-inch brass tubes (Ra-226, Ra-228, Gross α, Gross β)	40-ml vials (VOC)	40-ml vials (GRO)	1-liter plastic (CN)	1-liter plastic (metals (SVOC))	1-gallon amber (SVOC)	1-gallon amber (DRO)	1.5 gallon plastic (Ra-226, Ra-228, Gross α, Gross β)	REMARKS
RB-11	7-13	0644		✓	KAFB-RB11-EB-071394	9					2	2	1	1	1	1	1	Cooled 4°C
		0705	0900	✓	KAFB-TB-DI-071394	2					2							
		~~0800~~	RR 7-13-94	✓	KAFB-RB11-95-0307	6	1	1	1	3								
		1600 ~~1440~~		✓	KAFB-RB11-13-0109	18	3	3	3	9								includes MS/MSD
		1330		✓	KAFB-RB11-13-0913	6	1	1	1	3								
		1437		✓	KAFB-RB11-13-1721	6	1	1	1	3								

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
Richard Norwood	7/13/94 1725	FedEx Airbill # 928336161 4			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS:	
			7/14 0940		

NUS 440 REVISED 0891

COC# 071494-9201 RML Field Lot # 012C P 4/4 NUS

Halliburton NUS CORPORATION — **NUS LABORATORY** — **CHAIN OF CUSTODY RECORD**

PROJECT NO.:	SITE NAME:
2A96	Kirtland AFB

SAMPLERS (SIGNATURE): Rachel M Layman

STATION NO.	DATE 1994	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	2L amber SVOC	2L amber DRO	1L HDPE metals, Hg (RML)	1L HDPE cyanide	1gal plastic gross α, gross β, Ra-226 (RML)	40ml VOA VOC	40ml VOA GRO	REMARKS
RB11	7/14	0630		✓	KAFB-RB11-EB-071494 (RML)	9	1	1	1	1	1	2	2	cooled 4°C
RB11	7/14	0720		✓	KAFB-TB-DZ-071494	2						2		1

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
Rachel M Layman	7/14/94 1655	Fed Ex Airbill No. 928336 1570			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME: 7/15 0900	REMARKS:	

NUS 440 REVISED

COC# [illegible]-01 [illegible] [illegible]

Halliburton NUS CORPORATION

NUS LABORATORY

CHAIN OF CUSTODY RECORD

PROJECT NO.:	SITE NAME:	SAMPLERS (SIGNATURE):
2A96	Kirtland AFB	

STATION NO.	DATE 1994	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	6" brass VOC/GRO	6" brass: SVOC/DRO	6" brass: metals, Hg, CN, pH, moisture	6" brass: gross α, β, Ra 228 + Ra 226			REMARKS
RB11	7/14	1430		✓	KAFB-RB11-33-1822	6	1	1	1	3			cooled 4°C
⊥	⊥	1545		✓	KAFB-RB11-33-2834	6	1	1	1	3			⊥

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
Rachel M Layman	7/14/94 1655	FedEx Airbill No 928336 1570			

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS:
		[signature]	7/15 0900	

NUS 440 REVISED 0891

COC# 071494-02-01 Field Lot#012B P 1/4 NUS

Halliburton NUS CORPORATION — **NUS LABORATORY** — **CHAIN OF CUSTODY RECORD**

PROJECT NO.: 2A96 | SITE NAME: Kirtland AFB

SAMPLERS (SIGNATURE): Rachel M Layman

STATION NO.	DATE 1994	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	6" brass tube 5 VOC/DRO	6" brass tube VOC/GRO	6" brass tube metals, Hg, CN, pH, moisture	6" brass tube gross α, β, Ra 226, Ra 228			REMARKS
RB11	7/14	0815		✓	KAFB-RB11-31-0307	6	1	1	1	3			cooled 4°C
		0830		✓	KAFB-RB11-31-0812	6	1	1	1	3			
		0845		✓	KAFB-RB11-31-1317	6	1	1	1	3			
		0905		✓	KAFB-RB11-31-1822	6	1	1	1	3			
		0958		✓	KAFB-RB11-31-2834	6	1	1	1	3			
		1045		✓	KAFB-RB11-29-0307	6	1	1	1	3			
		1045		✓	KAFB-RB11-91-0307	6	1	1	1	3			
		1110		✓	KAFB-RB11-29-0812	12	2	2	2	6			MS/MSD
		1130		✓	KAFB-RB11-29-1317	6	1	1	1	3			
		1155		✓	KAFB-RB11-29-1822	6	1	1	1	3			
		1230		✓	KAFB-RB11-29-2832	6	1	1	1	3			
		1340		✓	KAFB-RB11-33-0307	6	1	1	1	3			
		1358		✓	KAFB-RB11-33-0812	6	1	1	1	3			
		1415		✓	KAFB-RB11-33-1317	6	1	1	1	3			

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
Rachel M Layman	7-14-94/1658	Fed Ex Air bill No. 928336158 1			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME: 7/15 0400	REMARKS:	

NUS 440 REVISED 08

O- 494-01 Field Lo- # 011A

Halliburton NUS CORPORATION — NUS LABORATORY — CHAIN OF CUSTODY RECORD

PROJECT NO.:	SITE NAME:
2A96	Kirtland AFB

SAMPLERS (SIGNATURE): Richard Maynard

STATION NO.	DATE (1994)	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	6-inch brass tube (VOC/GRO)	6-inch brass tube (SVOC/DRO)	6-inch brass tube (Metals, Hg, CN)	6-inch brass tube (Ra 226 Ra 228 Gross α, Gross β)	40-ml vials (VOC)		REMARKS
RB11	7/14	0646		✓	KAFB-TB-D1-071494	2					2		Cooled to 4°C
		0750		✓	KAFB-RB11-09-0307	6	1	1	1	3			
		0816		✓	KAFB-RB11-09-0811	6	1	1	1	3			
		0900		✓	KAFB-RB11-09-1822	6	1	1	1	3			
		0924		✓	KAFB-RB11-92-0307	6	1	1	1	3			
		1020		✓	KAFB-RB11-12-0307	6	1	1	1	3			
		1054		✓	KAFB-RB11-12-0812	6	1	1	1	3			
		1158		✓	KAFB-RB11-12-1824	6	1	1	1	3			
		1346		✓	KAFB-RB11-08-0307	6	1	1	1	3			
		1410		✓	KAFB-RB11-08-0812	6	1	1	1	3			
		1549		✓	KAFB-RB11-[redacted]-1822	6	1	1	1	3			
		~~1529~~ 1529		✓	KAFB-RB11-90-0307	6	1	1	1	3			

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):
Richard Maynard	7/14/94 1707	FED EX AIRBILL # 928336 1592			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY(SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS:	
			7/15 0800		

NUS 440 REVISED 0891

0714 94-01 Field Lot # 011A moist., gross β, HNUS Lab P 1/4

Halliburton NUS CORPORATION — **NUS LABORATORY** — **CHAIN OF CUSTODY RECORD**

PROJECT NO.: 2A96 | SITE NAME: Kirtland AFB

SAMPLERS (SIGNATURE): Richard Reynolds

STATION NO.	DATE (6/94)	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	6-inch brass tube (VOC/GRED)	6-inch brass tube (SVOC/DRO)	6-inch brass tube (Metals, Hg, CN, TOC, pH)	6-inch brass tube (Ra 226, Ra 228, gross α, gross β)	40-ml vials (VOC)		REMARKS
RB11	7/14	0640		✓	KAFB-TB-D1-071494	2					2		Cooled to 4°C
		0750		✓	KAFB-RB11-09-0307	6	1	1	1	3			
		0816		✓	KAFB-RB11-09-0811	6	1	1	1	3			
		0900		✓	KAFB-RB11-09-1822	6	1	1	1	3			
		0924		✓	KAFB-RB11-92-0307	6	1	1	1	3			
		1020		✓	KAFB-RB11-12-0307	6	1	1	1	3			
		1054		✓	KAFB-RB11-12-0812	6	1	1	1	3			
		1158		✓	KAFB-RB11-12-1824	6	1	1	1	3			
		1346		✓	KAFB-RB11-08-0307	6	1	1	1	3			
		1410		✓	KAFB-RB11-08-0812	6	1	1	1	3			
		1549 LW		✓	KAFB-RB11-[redacted]08-1822	6	1	1	1	3			
		~~1329~~ 1529 LW		✓	KAFB-RB11-90-0307	6	1	1	1	3			

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
Richard Reynolds	7/14/94 1707	FED EX AIRBILL # 928336 1592			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME: 7/15 0800	REMARKS:	

NUS 440 REVISED 0

Cat 011594-01 Field Lot # 011 HA-5K 1/6

Halliburton NUS CORPORATION — **NUS LABORATORY** — **CHAIN OF CUSTODY RECORD**

PROJECT NO.:	SITE NAME:
2A96	Kirtland AFB

SAMPLERS (SIGNATURE): Richard Rexroad

STATION NO.	DATE (1994)	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	6-inch brass tube (VOC/GRO)	6-inch brass tube (SVOC/DRO)	6-inch brass tube (metals, Hg)	6-inch brass tubes (Ra226 Ra 228, Gross α/β)	40-ml vials (VOC)	40-ml vials (GRO)	1-liter plastic	1-liter plastic (metal(s))	1-gallon plastic (Cyanide)	1-gallon amber (SVOC)	1-gallon amber (DRO)	1.5 gallon plastic (Ra 226, Ra 228, Gross α, Gross β)	REMARKS
RB11	7-15	0655		✓	KAFB-RB11-EB-071594	9					2	2	1	1	1	1	1	Cooled 4°C	
		0700		✓	KAFB-TB-DI-071594	2					2								
		0849		✓	KAFB-RB11-06-0307	6	1	1	1	3									
		0912		✓	KAFB-RB11-06-0812	6	1	1	1	3									
		1000		✓	KAFB-RB11-06-1822	6	1	1	1	3									
		1215		✓	KAFB-RB11-05-0307	6	1	1*	1*	3									
		1228		✓	KAFB-RB11-05-0812	6	1	1	1	3									
		1330		✓	KAFB-RB11-05-1822	6	1	1	1	3									
		1422		✓	KAFB-RB11-04-0307	6	1	1	1	3									
		1450		✓	KAFB-RB11-04-0812	6	1	1	1	3									
		1636		✓	KAFB-RB11-04-1822	6	1	1	1	3									

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
Richard Rexroad	7/15/94 1757	FEDEXAIRBILL # 928336155 5			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME: 7/16 0700	REMARKS:	

RUS 440 REVISED 0891

COC # 071594-01 Field Lot # 011A HNUS Lab P1/3

Halliburton NUS CORPORATION — **NUS LABORATORY** — **CHAIN OF CUSTODY RECORD**

PROJECT NO.: 2A96 | SITE NAME: Kirtland AFB

SAMPLERS (SIGNATURE): Richard Rexroad

STATION NO.	DATE (1994)	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	6-inch brass tube (VOC/GRO)	6-inch brass tube (SVOC/DRO)	6-inch brass tube (metals, Hg)	6-inch brass tubes (Ra 226 Ra 228, Gross α/β)	40-ml vials (VOC)	40-ml vials (GRO)	1-liter plastic	1-liter plastic (metals)	1-gallon amber (Cyanide)	1-gallon amber (SVOC)	1.5 gallon plastic (Ra 226 Ra 228, Gross α, Gross β)	REMARKS
RB11	7-15	0655		✓	KAFB-RB11-EB-071594	9					2	2	1	1	1	1	1	Cooled 4°C
		0700		✓	KAFB-TB-D1-071594	2					2							
		0849		✓	KAFB-RB11-06-0307	6	1	1	1	3								
		0912		✓	KAFB-RB11-06-0812	6	1	1	1	3								
		1000		✓	KAFB-RB11-06-1822	6	1	1	1	3								
		1215		✓	KAFB-RB11-05-0307	6	1	1*	1*	3								
		1228		✓	KAFB-RB11-05-0812	6	1	1	1	3								
		1330		✓	KAFB-RB11-05-1822	6	1	1	1	3								
		1422		✓	KAFB-RB11-04-0307	6	1	1	1	3								
		1450		✓	KAFB-RB11-04-0812	6	1	1	1	3								
		1636		✓	KAFB-RB11-04-1822	6	1	1	1	3								

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
Richard Rexroad	1/15/94 1757	FEDEXAIRBILL # 928336155 5			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS:	
			1/16 0700		

NUS 440 REVISED 0891

SDG: 07591; 01 Field Lot # C125 P 1/2 NUS

Halliburton NUS CORPORATION

NUS LABORATORY

CHAIN OF CUSTODY RECORD

PROJECT NO.: 2A96

SITE NAME: Kirtland AFB

SAMPLERS (SIGNATURE): Rachel M Layman

STATION NO.	DATE 1994	TIME	COMP	GRAB	STATION LOCATION	NO. OF CON-TAINERS	6" brass VOC/GRO	6" brass SVOC/DRO	6" brass CN, pH, metals, Hg, moisture	6" brass gross α, gross β			REMARKS
													cooled 4°C
RB11	7/15	1610		✓	KAFB-RB11-35-1317	6	1	1	1	3			↓
⊥	⊥	1635		✓	KAFB-RB11-35-1822	6	1	1	1	3			

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
Rachel M Layman	7-15-94 / 1815	Fed Ex Airbill No. 9283361566			

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS:
		[signature]	7/16 04[illegible]	

NUS 440 REVISED 0891

COC# 071594-01 .. Field Lot # 012B 1 of 3 NUS

Halliburton NUS CORPORATION — **NUS LABORATORY** — **CHAIN OF CUSTODY RECORD**

PROJECT NO.: 2A96 | SITE NAME: Kirtland AFB

SAMPLERS (SIGNATURE): Rachel M Layman

STATION NO.	DATE (1994)	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	40 ml VOA vials	6" brass: VOC	6" brass: SVOC/DRO	6" brass: metals, Hg, CN, pH, moisture	6" brass: grain size, Ra 226, Ra 228		REMARKS
													cooled 4°C
RB11	7/15	0660		✓	KAFB-TB-DZ-071594	2							
		0855		✓	KAFB-RB11-34-0307	6		1	1	1	3		
		0855		✓	KAFB-RB11-89-0307	6		1	1	1	3		
		0938		✓	KAFB-RB11-34-0812	6		1	1	1	3		
		0950		✓	KAFB-RB11-34-1317	6		1	1	1	3		
		1020		✓	KAFB-RB11-34-1822	6		1	1	1	3		
		1200		✓	KAFB-RB11-36-0307	6		1	1	1	3		
		1220		✓	KAFB-RB11-36-0812	6		1	1	1	3		
		1235		✓	KAFB-RB11-36-1317	6		1	1	1	3		
		1255		✓	KAFB-RB11-36-1822	6		1	1	1	3		
		1358		✓	KAFB-RB11-36-2832	6		1	1	1	3		
		1445		✓	KAFB-RB11-35-0307	6		1	1	1	3		
		1445		✓	KAFB-RB11-88-0307	6		1	1	1	3		
		1525		✓	KAFB-RB11-35-0812	6 12 RMC		1 2	1 2	1 2	3 6 RMC		MS/MSD

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
Rachel M Layman	7-15-94 1815	Fed Ex Airbill No. 928336156 66			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME: 7/16 0930	REMARKS:	

NUS 440 REVISED 08/

[illegible] Field Lot # [illegible] RML

Halliburton NUS CORPORATION

NUS LABORATORY

CHAIN OF CUSTODY RECORD

PROJECT NO.: 2A96

SITE NAME: Kirtland AFB

SAMPLERS (SIGNATURE): Rachel M Layman

STATION NO.	DATE 1994	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	1 gal plastic Gross α, β Ra226, Ra228	2L amber SVOC	2L amber DRO	40ml VOA VOC	40ml VOA GRO	1L HDPE plastic metals, Hg	1L HDPE plastic cyanide	REMARKS
RB11	7/18	0650		✓	KAFB-RB11-EB-071894	9	1	1	1	2	2	1	1	cooled 4°C
↓	|	0915		✓	KAFB-TB-D2-071894	2				2				↓ RML
		~~1518~~		✓	~~KAFB-28-1317~~ RML									

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
Rachel M Layman	7-18-94 1800	Fed Ex Airbill No. 9283361533			

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE)	DATE / TIME:	REMARKS:
		[signature]	7/19 0900	

NUS 440 REVISED 0891

COC # 071894-01 Field Lot # 011A p1

Halliburton NUS CORPORATION — **NUS LABORATORY** — **CHAIN OF CUSTODY RECORD**

PROJECT NO.: 2A96 | SITE NAME: Kirtland AFB

SAMPLERS (SIGNATURE): Richard Penrod

STATION NO.	DATE 1994	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	6-inch brass tube (VOC/GRO)	6-inch brass tube (SVOC/DRO)	6-inch brass tube (metals, Hg, CN, soil pH/moisture)	6-inch brass tube (Ra 226, Ra 228)	40-ml glass vials (VOC)		REMARKS
RB11	7-18	0708		✓	KAFB-TB-D1-071894	2					2		Cooled 4°C
		1027		✓	KAFB-RB11-11-0107	18	3	3	3	9			MS/MSD
		0840		✓	KAFB-RB11-11-0812	6	1	1	1	3			
		0950		✓	KAFB-RB11-11-1824	6	1	1	1	3			
		~~1027~~		✓	~~KAFB-RB11-11-03~~								RE 7-18-94
		1320		✓	KAFB-RB11-14-0107	18	3	3	3	9			MS/MSD
		1134		✓	KAFB-RB11-14-0812	6	1	1	1	3			
		1200		✓	KAFB-RB11-14-1822	6	1	1	1	3			
		1400		✓	KAFB-RB11-15-0307	6	1	1	1	3			
		1429		✓	KAFB-RB11-15-0812	6	1	1	1	3			
		1515		✓	KAFB-RB11-15-1824	6	1	1	1	3			
		1640		✓	KAFB-RB11-86-0307	6	1	1	1	3			

RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)	RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)
Richard Penrod	7/18/94 1650	FEDEXAIRBILL # 928336154 4			
RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)	RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)
RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED FOR LABORATORY BY (SIGNATURE)	DATE / TIME	REMARKS:	
			7/19 0900		

NUS 440 REVISED 089

30C # -71C74' 0: Field Lot # 0123 Y94 NUS

Halliburton NUS CORPORATION — NUS LABORATORY — *CHAIN OF CUSTODY RECORD*

PROJECT NO.: 2A96

SITE NAME: Kirtland AFB

SAMPLERS (SIGNATURE): Rachel M Layman

STATION NO.	DATE 1994	TIME 1994	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	6" brass SVOC/DRO	6" brass VOC/GRO	6" brass Hg, CN, pH, moisture, metals	6" brass gross α, gross β, Ra 228, Ra 226			REMARKS
RB11	7/18	0914		✓	KAFB-RB11-35-2834	6	1	1	1	3			Cooled 4°C
↓	↓	0950		✓	KAFB-RB11-26-0307	6	1	1	1	3			↓
		0958		✓	KAFB-RB11-26-0812	6	1	1	1	3			
		1016		✓	KAFB-RB11-26-1317	6	1	1	1	3			
		1038		✓	KAFB-RB11-26-1822	6	1	1	1	3			
		1115		✓	KAFB-RB11-26-2832	6	1	1	1	3			
		1240		✓	KAFB-RB11-27-0307	6	1	1	1	3			
		1240		✓	KAFB-RB11-87-0307	6	1	1	1	3			
		1300		✓	KAFB-RB11-27-0812	6	1	1	1	3			
		1312		✓	KAFB-RB11-27-1317	6	1	1	1	3			
		1343		✓	KAFB-RB11-27-1822	6	1	1	1	3			
		1420		✓	KAFB-RB11-27-2832	6	1	1	1	3			
		1500		✓	KAFB-RB11-28-0307	6	1	1	1	3			
		1527		✓	KAFB-RB11-28-0812	6	1	1	1	3			

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
Rachel M Layman	7-18-94 1800	Fed Ex Airbill No. 9283361533			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE): [signature]	DATE / TIME: 7/14 0940	REMARKS:	

NUS 440 REVISED 0891

COC # 071894-01 Field Lot # 012B P 3/4 NUS

Halliburton NUS CORPORATION — NUS LABORATORY — CHAIN OF CUSTODY RECORD

PROJECT NO.: 2A96 SITE NAME: Kirtland AFB

SAMPLERS (SIGNATURE): Rachel M Layman

STATION NO.	DATE 1994	TIME 1994	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	6" brass SVOC IDRO	6" brass VOC IGRO	4" brass metals CN pH moisture	2" brass gross β gross α Ra 226 Ra 228			REMARKS
RB11	7/18	0914		✓	KAFB-RB11-35-2834	6	1	1	1	3			Cooled 4°C
		0950		✓	KAFB-RB11-26-0307	6	1	1	1	3			
		0958		✓	KAFB-RB11-26-0812	6	1	1	1	3			
		1016		✓	KAFB-RB11-26-1317	6	1	1	1	3			
		1038		✓	KAFB-RB11-26-1822	6	1	1	1	3			
		1115		✓	KAFB-RB11-26-2832	6	1	1	1	3			
		1240		✓	KAFB-RB11-27-0307	6	1	1	1	3			
		1240		✓	KAFB-RB11-87-0307	6	1	1	1	3			
		1300		✓	KAFB-RB11-27-0812	6	1	1	1	3			
		1312		✓	KAFB-RB11-27-1317	6	1	1	1	3			
		1343		✓	KAFB-RB11-27-1822	6	1	1	1	3			
		1420		✓	KAFB-RB11-27-2832	6	1	1	1	3			
		1500		✓	KAFB-RB11-28-0307	6	1	1	1	3			
		1527		✓	KAFB-RB11-28-0812	6	1	1	1	3			

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Rachel M Layman	7-18-94 1800	Fed Ex Airbill No. 928336 1533			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS:	
			7/19 0900		

NUS 440 REVISED 0891

CCR # 011817 -01   Tie: Lot # 012800   F 1/1

Halliburton NUS CORPORATION   NUS LABORATORY   *CHAIN OF CUSTODY RECORD*

PROJECT NO.: 2A96
SITE NAME: Kirtland AFB
SAMPLERS (SIGNATURE): Rachel M Layman

STATION NO.	DATE 1994	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	6" brass tube SVOC/DRO	6" brass tube VOC/GRO	6" brass tube metals Hg CN pH moisture	6" brass tube gross α,β, Ra 228, Ra 226			REMARKS
RB11	7/18	1548		✓	KAFB-RB11-28-1317	6	1	1	1	3			cooled 4°C
↓	↓	1620		✓	KAFB-RB11-28-1822	6	1	1	1	3			↓
↓	↓	1655		✓	KAFB-RB11-28-2832	6	1	1	1	3			↓

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Rachel M Layman	7-18-94 1800	Fed Ex Airbill No. 9283361533			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE): [signature]	DATE / TIME: 7/19 0900	REMARKS:	

NUS 440 REVISED 0891

COC# 071994-01 Field Lot # 022C & 022D * p 4/4

Halliburton NUS CORPORATION — NUS LABORATORY — CHAIN OF CUSTODY RECORD

PROJECT NO.: 2A96 | SITE NAME: Kirtland AFB

SAMPLERS (SIGNATURE): Richard Rexroad

STATION NO.	DATE (1994)	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	40 ml vials (VOC or GRO)	1.5 gal plastic (Ra226, Ra228, Gross α/β)	1-liter plastic (metals, Hg)	1-liter plastic (cyanide)	1-gallon amber (SVOC or PRO)	4-oz glass jar (VOC/GRO)	8-oz glass jars (metals, Hg, SVOC, DRO, CN, Ra226, Ra228, Gross α/β)	REMARKS
RB-11	7/19	0850		✓	KAFB-TB-D2-071994	2	2							Cooled to 4°C
		0925		✓	KAFB-RB11-RB-071994	9	4	1	1	1	2			*
		1313		✓	KAFB-RB11-S6-0001 (~~071994~~)	3						1	2	
		1344		✓	KAFB-RB11-S2-0001 Re 7/19/94	3						1	2	
		1418		✓	KAFB-RB11-S1-0001	3						1	2	
		1500		✓	KAFB-RB11-S3-0001	9					■	3	6	(MS/MSD).
		1600		✓	KAFB-RB11-S5-0001	3						1	2	
		1640		✓	KAFB-RB11-S4-0001	3						1	2	
		1600		✓	KAFB-RB11-B3-0001	3						1	2	

* Field Lot # 022D; all other samples are field lot # 022C.

RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)	RELINQUISHED BY (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)
Richard Rexroad	7/19/94 1720	Fed Ex Airbills # 928336149 6 & 928336 1500			

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NUS 440 REVISED 06

COC # 071994-01 Field QC

Halliburton NUS CORPORATION

NUS LABORATORY

CHAIN OF CUSTODY RECORD

PROJECT NO.:	SITE NAME:
2A96	Kirtland AFB

SAMPLERS (SIGNATURE): Rachel M Layman

STATION NO.	DATE 1994	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	40 ml VOA VOC	40 ml VOA GRO	1 gal plastic gross B, Ra 226	1 L HDPE plastic metals, Hg, ENTIRE sample	2 L amber SVOC	2 L amber PRO	1 L HDPE plastic CN	REMARKS
RB11	7/19	0630		✓	KAFB-RB11-EB-071994	9	2	2	1	1	1	1	1	cooled 4°C
RB11	7/19	0720		✓	KAFB-RB11-TB-DI-071994	2	2							

RML

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
Rachel M Layman	7-19-94 1700	Fed Ex Airbill No. 928336152 2			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS:	
			7/20 0900		

NUS 440 REVISED 0891

COC# 071994-01 Field Lot#011B 1 of 4 NUS

Halliburton NUS CORPORATION — **NUS LABORATORY** — **CHAIN OF CUSTODY RECORD**

PROJECT NO.: 2A96 | SITE NAME: Kirtland AFB

SAMPLERS (SIGNATURE): Rachel M Layman

STATION NO.	DATE 1994	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	6"1 brass SVOC/DRO	6"1 brass VOC/TCLP	6"1 brass Hg, CN, pH, moisture	6"1 brass grass B, Ra228, Ra226			REMARKS
RB11	7/19	0815			KAFB-RB11-85-0307	6	1	1	1	3			cooled
		0815			KAFB-RB11-32-0307	6	1	1	1	3			
		0840			KAFB-RB11-32-0812	12	2	2	2	6			ms/msD
		0900			KAFB-RB11-32-1317	6	1	1	1	3			
		0923			KAFB-RB11-32-1822	6	1	1	1	3			
		0958			KAFB-RB11-32-2832	6	1	1	1	3			
		1040 ~~1050~~ RML			KAFB-RB11-BG02-0307	6	1	1	1	3			
		1050			KAFB-RB11-RML BG02-0812	6	1	1	1	3			
		1105			KAFB-RB11-RML BG02-1317	6	1	1	1	3			
		1125			KAFB-RB11-BG02-1822	6	1	1	1	3			
		1145			KAFB-RB11-BG02-2832	6	1	1	1	3			
		1335			KAFB-RB11-BG01-0307	6	1	1	1	3			
		1335			KAFB-RB11-84-0307	6	1	1	1	3			
		1350			KAFB-RB11-BG01-0812	6	1	1	1	3			

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Rachel M Layman	7-19-94 1715	Fed Ex Airbill No. 928 ~~928336152 RML~~ 3361511			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
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			7/20 0900		

NUS 440 REV1 91

COC# 071914-01 Tier Lot # Olin P 5/ ... US

Halliburton NUS CORPORATION | NUS LABORATORY | CHAIN OF CUSTODY RECORD

PROJECT NO.: 2A96

SITE NAME: Kirtland AFB

SAMPLERS (SIGNATURE): Rachel M Layman

STATION NO.	DATE 1994	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	6" brass SVOC/DRO	6" brass VOC/GRO	6" brass metals, Hg, CN, moisture, pH	6" brass gross α, gross β, Ra226, Ra228			REMARKS
RB11	7/19	1415		✓	KAFB-RB11-BG01-1317	6	1	1	1	3			cooled 4°C
↓	↓	1500		✓	KAFB-RB11-BG01-1822	6	1	1	1	3			↓
		1620		✓	KAFB-RB11-BG01-2832	6	1	1	1	3			

RML

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
Rachel M Layman	7-19-94 1700	Fed Ex Airbill No. 9283361522			

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		[signature]	7/20 0903	

NUS 440 REVISED 0891

COC # 072094-01 Field Lot # 011A H/NUS Lab P1

Halliburton NUS CORPORATION — **NUS LABORATORY** — **CHAIN OF CUSTODY RECORD**

PROJECT NO.: 2A96 | SITE NAME: Kirtland AFB

SAMPLERS (SIGNATURE): Richard Rexford

STATION NO.	DATE 1994	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	40-ml vials (TCL VOCs)	1-Liter Plastic (Pb, Cd)	1.5 gallon plastic (*)	1-Gallon glass (TH3)	4-oz glass jar (TCL VOCs)	8-oz glass jar (Pb, Cd, Hg) and soil moisture	REMARKS
RB-07	7/20	1300		✓	KAFB-RB07-EB-072094	5	2	1	1	1			Cooled to 4°C
		1311		✓	KAFB-TB-01-072094	2	2						
		1520		✓	KAFB-RB07-01-0405	2					1	1	
		1556		✓	KAFB-RB07-01-0708	2					1	1	

*- test for Gross α, Gross β, gamma spectrometry

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
Richard Rexford	7/20/94 1700	FEDEX AIRBILL # 928336/1485			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
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			7/21 08		

NUS 440 REVISED 08

Case # 07-19-01 [illegible] Field lot # 01 [illegible] P 1

Halliburton NUS CORPORATION

NUS LABORATORY

CHAIN OF CUSTODY RECORD

PROJECT NO.: 2A96

SITE NAME: Kirtland AFB

SAMPLERS (SIGNATURE): Richard Rexroad

STATION NO.	DATE (1994)	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	40-ml vials (TCL VOCs)	1-liter Plastic (Pb, Cd)	1.5 gallon plastic (Gross α/B, Gamma Spectrometry)	1-gallon amber glass (H3)	4-oz. glass jar (TCL VOCs)	8-oz glass amber jar (Pb, Cd, H3, Gross α/B, Gamma Spectrometry, Soil moisture)	REMARKS
RB-07	7-21	0725		✓	KAFB-RB07-EB-072194	5	2	1	1	1			Cooled to 4°C
↓	↓	0733		✓	KAFB-TB-D1-072194	2	2						↓
		1005		✓	KAFB-RB07-02-0102	6					3	3	(MS/MSD)
		1027		✓	KAFB-RB07-03-0102	2					1	1	
		1027		✓	KAFB-RB07-99-0102	2					1	1	
		1044		✓	KAFB-RB07-04-0001	2					1	1	
		1054		✓	KAFB-RB07-05-0001	2					1	1	
		1105		✓	KAFB-RB07-06-0102	2					1	1	
		1105		✓	KAFB-RB07-98-0102	2					1	1	
		1122		✓	KAFB-RB07-07-0102	2					1	1	
		1150		✓	KAFB-RB07-08-0102	2					1	1	
		1200		✓	KAFB-RB07-09-0001	2					1	1	
		1215		✓	KAFB-RB07-10-0001	2					1	1	
↓	↓	1225		✓	KAFB-RB07-11-0001	2					1	1	↓

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Richard Rexroad	7/21/94	1635	FedEx Airbill # 928336 1474				

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			[illegible signature]	7/22	[illegible]	

NUS 440 REVISED 0891

COC 0018[illegible] FIELD LOT #[illegible]11A

Halliburton NUS CORPORATION

NUS LABORATORY

CHAIN OF CUSTODY RECORD

PROJECT NO.: 2A96

SITE NAME: KIRTLAND AFB

SAMPLERS (SIGNATURE): M F Christian

STATION NO.	DATE 1994	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	40 ml VIALS (VOC OR GRO)	1.5 gal Plastic (Ra226, Ra228, Gross α/β)	1-liter Plastic (metals, Hg)	1-liter Plastic (CYANIDE)	1-gallon amber (SVOC OR DRO)	4-oz GLASS JAR (VOC / GRO)	8 oz GLASS JAR (metals, Hg, SVOC, DRO, CN, Ra226, Ra228, Gross α/β)	REMARKS
	8/18	1100		✓	KAFB-TB-D1-081894	2	2							Cool 4°C
	8/18	1115		✓	KAFB-RB11-RB-081894	9	4	1	1	1	2			
	8/18	1200		✓	KAFB-RB11-B2-0001	3						1	2	
	8/18	1215		✓	KAFB-RB11-B1-0001	3						1	2	

Run pH and % Moisture as per Ed Agostoni 8-22-94 RAW

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
Matthew F Christian	081894 1305	FED EX AIRBILL #9283361463			

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS:
		[signature]	[illegible] [illegible]	P.O.C. MATT CHRISTIAN 505 247-4933

NUS 440 REVISED 0891

Halliburton NUS CORPORATION

NUS LABORATORY

CHAIN OF CUSTODY RECORD

PROJECT NO.: 2A96

SITE NAME: KIRTAND AFB

SAMPLERS (SIGNATURE): Matthew J. Christmas

STATION NO.	DATE 1994	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	PETG SLEEVE						REMARKS
	8-12	1035		✓	KAFB-RB11-~~DP08~~ DP01-081294	1	1						GROSS α, GROSS β

RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
Matthew J. Christmas	8-12-94 1045	FED EX AIRBILL #928336 1430			
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):	RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE):	DATE / TIME:	RECEIVED FOR LABORATORY BY (SIGNATURE):	DATE / TIME:	REMARKS:	
			-17 1345		

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C.L 10/31/96
AR Doc # 3166

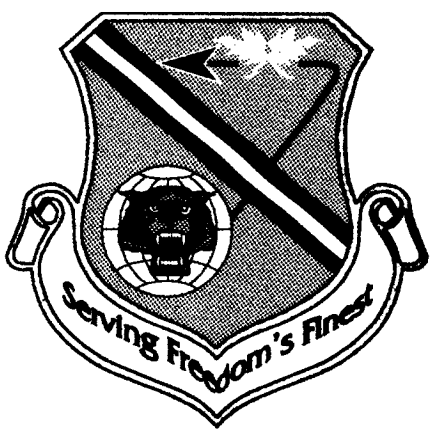
FILE

Kirtland Air Force Base
Albuquerque, New Mexico

RCRA Facility Investigation (RFI)
Stage 2D-1

Appendix G - Volume I of II

FINAL DRAFT - December 8, 1994



377 ABW/EMR
2000 Wyoming Blvd SE
Kirtland AFB, New Mexico 87117-5659

Kirtland Air Force Base
Albuquerque, New Mexico

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RCRA Facility Investigation (RFI)
Stage 2D-1

Appendix G - Volume I of II

FINAL DRAFT - December 8, 1994

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2000 Wyoming Blvd SE
Kirtland AFB, New Mexico 87117-5659

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APPENDIX G

Appendix G is divided into two sections:

- ***Section 1—Sample Identification Cross-Reference Table***. Data in this table allow correlation of Quality Control samples with specific environmental samples. It also contains data that link specific field Quality Control samples (trip blanks, equipment blanks, and ambient condition blanks) with specified environmental samples.

- ***Section 2—Analytical Data Summary***. This section lists the sample results from each site, analytical method, and sample matrix. This table also includes information about any data which were qualified during the data validation procedures.

KIRTLAND AFB - SAMPLE IDENTIFICATION (ID) CROSS-REFERENCE

Site	Field ID	Fld Lot	Lab ID	Lab Lot	Sample Description	Page
RB-07	KAFB-EB-RB07-07209	022B			Equipment Blank #2	4
RB-07	KAFB-EB-RB07-07209	022B			Equipment Blank #2	5
RB-07	KAFB-RB07-01-0405	022B	P280593	27777	Normal Environmental Sample #1	3
RB-07	KAFB-RB07-01-0405	022B	P280593	27800	Normal Environmental Sample #1	4
RB-07	KAFB-RB07-01-0405	022B	P280593	28087	Normal Environmental Sample #1	2
RB-07	KAFB-RB07-01-0405	022B	P280593	28140	Normal Environmental Sample #1	6
RB-07	KAFB-RB07-01-0405	022B	P280593	28186	Normal Environmental Sample #1	1
RB-07	KAFB-RB07-01-0405	022B	P280593	28466	Normal Environmental Sample #1	5
RB-07	KAFB-RB07-01-0708	022B	P280594	27777	Normal Environmental Sample #1	3
RB-07	KAFB-RB07-01-0708	022B	P280594	27800	Normal Environmental Sample #1	4
RB-07	KAFB-RB07-01-0708	022B	P280594	28087	Normal Environmental Sample #1	2
RB-07	KAFB-RB07-01-0708	022B	P280594	28140	Normal Environmental Sample #1	6
RB-07	KAFB-RB07-01-0708	022B	P280594	28186	Normal Environmental Sample #1	1
RB-07	KAFB-RB07-01-0708	022B	P280594	28467	Normal Environmental Sample #1	5
RB-07	KAFB-RB07-02-0102	022B	P280663	27777	Normal Environmental Sample #1	9
RB-07	KAFB-RB07-02-0102	022B	P280663	27855	Normal Environmental Sample #1	10
RB-07	KAFB-RB07-02-0102	022B	P280663	28087	Normal Environmental Sample #1	8
RB-07	KAFB-RB07-02-0102	022B	P280663	28140	Normal Environmental Sample #1	12
RB-07	KAFB-RB07-02-0102	022B	P280663	28186	Normal Environmental Sample #1	7
RB-07	KAFB-RB07-02-0102	022B	P280663	28469	Normal Environmental Sample #1	11
RB-07	KAFB-RB07-03-0102	022B	P280664	27777	Normal Environmental Sample #1	15
RB-07	KAFB-RB07-03-0102	022B	P280664	27855	Normal Environmental Sample #1	16
RB-07	KAFB-RB07-03-0102	022B	P280664	28087	Normal Environmental Sample #1	14
RB-07	KAFB-RB07-03-0102	022B	P280664	28140	Normal Environmental Sample #1	18
RB-07	KAFB-RB07-03-0102	022B	P280664	28186	Normal Environmental Sample #1	13
RB-07	KAFB-RB07-03-0102	022B	P280664	28467	Normal Environmental Sample #1	17
RB-07	KAFB-RB07-04-0001	022B	P280666	27777	Normal Environmental Sample #1	21
RB-07	KAFB-RB07-04-0001	022B	P280666	27855	Normal Environmental Sample #1	22
RB-07	KAFB-RB07-04-0001	022B	P280666	28087	Normal Environmental Sample #1	20
RB-07	KAFB-RB07-04-0001	022B	P280666	28140	Normal Environmental Sample #1	24
RB-07	KAFB-RB07-04-0001	022B	P280666	28186	Normal Environmental Sample #1	19
RB-07	KAFB-RB07-04-0001	022B	P280666	28469	Normal Environmental Sample #1	23
RB-07	KAFB-RB07-05-0001	022B	P280667	27777	Normal Environmental Sample #1	27
RB-07	KAFB-RB07-05-0001	022B	P280667	27855	Normal Environmental Sample #1	28
RB-07	KAFB-RB07-05-0001	022B	P280667	28087	Normal Environmental Sample #1	26
RB-07	KAFB-RB07-05-0001	022B	P280667	28140	Normal Environmental Sample #1	30
RB-07	KAFB-RB07-05-0001	022B	P280667	28186	Normal Environmental Sample #1	25
RB-07	KAFB-RB07-05-0001	022B	P280667	28470	Normal Environmental Sample #1	29
RB-07	KAFB-RB07-06-0102	022B	P280668	27777	Normal Environmental Sample #1	33
RB-07	KAFB-RB07-06-0102	022B	P280668	27855	Normal Environmental Sample #1	34
RB-07	KAFB-RB07-06-0102	022B	P280668	28087	Normal Environmental Sample #1	32
RB-07	KAFB-RB07-06-0102	022B	P280668	28140	Normal Environmental Sample #1	36
RB-07	KAFB-RB07-06-0102	022B	P280668	28186	Normal Environmental Sample #1	31
RB-07	KAFB-RB07-06-0102	022B	P280668	28470	Normal Environmental Sample #1	35
RB-07	KAFB-RB07-07-0102	022B	P280670	27782	Normal Environmental Sample #1	38
RB-07	KAFB-RB07-07-0102	022B	P280670	27855	Normal Environmental Sample #1	39
RB-07	KAFB-RB07-07-0102	022B	P280670	28087	Normal Environmental Sample #1	37
RB-07	KAFB-RB07-07-0102	022B	P280670	28140	Normal Environmental Sample #1	40
RB-07	KAFB-RB07-08-0102	022B	P280671	27782	Normal Environmental Sample #1	43
RB-07	KAFB-RB07-08-0102	022B	P280671	27855	Normal Environmental Sample #1	44
RB-07	KAFB-RB07-08-0102	022B	P280671	28087	Normal Environmental Sample #1	42
RB-07	KAFB-RB07-08-0102	022B	P280671	28140	Normal Environmental Sample #1	46

KIRTLAND AFB - SAMPLE IDENTIFICATION (ID) CROSS-REFERENCE

Site	Field ID	Fld Lot	Lab ID	Lab Lot	Sample Description	Page
RB-07	KAFB-RB07-08-0102	022B	P280671	28186	Normal Environmental Sample #1	41
RB-07	KAFB-RB07-08-0102	022B	P280671	28471	Normal Environmental Sample #1	45
RB-07	KAFB-RB07-09-0001	022B	P280672	27782	Normal Environmental Sample #1	49
RB-07	KAFB-RB07-09-0001	022B	P280672	27855	Normal Environmental Sample #1	50
RB-07	KAFB-RB07-09-0001	022B	P280672	28087	Normal Environmental Sample #1	48
RB-07	KAFB-RB07-09-0001	022B	P280672	28140	Normal Environmental Sample #1	52
RB-07	KAFB-RB07-09-0001	022B	P280672	28186	Normal Environmental Sample #1	47
RB-07	KAFB-RB07-09-0001	022B	P280672	28471	Normal Environmental Sample #1	51
RB-07	KAFB-RB07-10-0001	022B	P280673	27782	Normal Environmental Sample #1	55
RB-07	KAFB-RB07-10-0001	022B	P280673	27855	Normal Environmental Sample #1	56
RB-07	KAFB-RB07-10-0001	022B	P280673	28087	Normal Environmental Sample #1	54
RB-07	KAFB-RB07-10-0001	022B	P280673	28140	Normal Environmental Sample #1	58
RB-07	KAFB-RB07-10-0001	022B	P280673	28186	Normal Environmental Sample #1	53
RB-07	KAFB-RB07-10-0001	022B	P280673	28471	Normal Environmental Sample #1	57
RB-07	KAFB-RB07-11-0001	022B	P280674	27782	Normal Environmental Sample #1	61
RB-07	KAFB-RB07-11-0001	022B	P280674	27855	Normal Environmental Sample #1	62
RB-07	KAFB-RB07-11-0001	022B	P280674	28087	Normal Environmental Sample #1	60
RB-07	KAFB-RB07-11-0001	022B	P280674	28140	Normal Environmental Sample #1	64
RB-07	KAFB-RB07-11-0001	022B	P280674	28186	Normal Environmental Sample #1	59
RB-07	KAFB-RB07-11-0001	022B	P280674	28472	Normal Environmental Sample #1	63
RB-07	KAFB-RB07-98-0102	022B	P280668	27855	Field Replicate #1	34
RB-07	KAFB-RB07-99-0102	022B	P280664	27777	Field Replicate #1	15
RB-07	KAFB-RB07-99-0102	022B	P280664	27855	Field Replicate #1	16
RB-07	KAFB-RB07-99-0102	022B	P280664	28087	Field Replicate #1	14
RB-07	KAFB-RB07-99-0102	022B	P280664	28140	Field Replicate #1	18
RB-07	KAFB-RB07-99-0102	022B	P280664	28186	Field Replicate #1	13
RB-07	KAFB-RB07-99-0102	022B	P280664	28467	Field Replicate #1	17
RB-11	KAFB-RB11-B1-0001	022B			Normal Environmental Sample #1	69
RB-11	KAFB-RB11-B1-0001	022B	P283928	28563	Normal Environmental Sample #1	75
RB-11	KAFB-RB11-B1-0001	022B	P283928	28619	Normal Environmental Sample #1	66
RB-11	KAFB-RB11-B1-0001	022B	P283928	28685	Normal Environmental Sample #1	68
RB-11	KAFB-RB11-B1-0001	022B	P283928	28696	Normal Environmental Sample #1	72
RB-11	KAFB-RB11-B1-0001	022B	P283928	28696	Normal Environmental Sample #1	73
RB-11	KAFB-RB11-B1-0001	022B	P283928	28744	Normal Environmental Sample #1	74
RB-11	KAFB-RB11-B1-0001	022B	P283928	28781	Normal Environmental Sample #1	67
RB-11	KAFB-RB11-B1-0001	022B	P283928	28973	Normal Environmental Sample #1	76
RB-11	KAFB-RB11-B1-0001	022B	P283928	29157	Normal Environmental Sample #1	65
RB-11	KAFB-RB11-B1-0001	022B	P283928	29335	Normal Environmental Sample #1	70
RB-11	KAFB-RB11-B1-0001	022B	P283928	29336	Normal Environmental Sample #1	71
RB-11	KAFB-RB11-B2-0001	022B			Normal Environmental Sample #1	81
RB-11	KAFB-RB11-B2-0001	022B	P283927	28563	Normal Environmental Sample #1	87
RB-11	KAFB-RB11-B2-0001	022B	P283927	28619	Normal Environmental Sample #1	78
RB-11	KAFB-RB11-B2-0001	022B	P283927	28685	Normal Environmental Sample #1	80
RB-11	KAFB-RB11-B2-0001	022B	P283927	28696	Normal Environmental Sample #1	84
RB-11	KAFB-RB11-B2-0001	022B	P283927	28696	Normal Environmental Sample #1	85
RB-11	KAFB-RB11-B2-0001	022B	P283927	28744	Normal Environmental Sample #1	86
RB-11	KAFB-RB11-B2-0001	022B	P283927	28781	Normal Environmental Sample #1	79
RB-11	KAFB-RB11-B2-0001	022B	P283927	28973	Normal Environmental Sample #1	88
RB-11	KAFB-RB11-B2-0001	022B	P283927	29157	Normal Environmental Sample #1	77
RB-11	KAFB-RB11-B2-0001	022B	P283927	29335	Normal Environmental Sample #1	82
RB-11	KAFB-RB11-B2-0001	022B	P283927	29336	Normal Environmental Sample #1	83
RB-11	KAFB-RB11-DP0-0000	022B			Normal Environmental Sample #1	89

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: RB-07: Rad Burial No. 7
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: A701C: Gamma Spectralanalysis
Matrix: Soil
Units: PicoCuries per gram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-RB07-01-0405 Lab ID: P280593	Field ID: KAFB-RB07-01-0708 Lab ID: P280594	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
ACTINIUM-228	N/A	N/A		1.3000	1.4000					
BISMUTH-214	N/A	N/A		0.8000	1.1000					
LEAD-212	N/A	N/A		0.0000	1.2000					
THORIUM-227	N/A	N/A		0.0000						

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: RB-07: Rad Burial No. 7
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: A708: Tritium
Matrix: Soil
Units: PicoCuries per gram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-RB07-01-0405 Lab ID: P280593	Field ID: KAFB-RB07-01-0708 Lab ID: P280594	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
TRITIUM (HYDROGEN-3)	0.0400	N/A		0.0000 ND	0.0000 ND					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: RB-07: Rad Burial No. 7
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-RB07-01-0405 Lab ID: P280593	Field ID: KAFB-RB07-01-0708 Lab ID: P280594	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
SOLIDS, PERCENT	N/A	N/A		98.7000	99.3000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: RB-07: Rad Burial No. 7
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-RB07-01-0405 Lab ID: P280593	Field ID: KAFB-RB07-01-0708 Lab ID: P280594	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
CADMIUM	0.5000	4.0000	40.0000	0.6100	0.8100			ND		
LEAD	0.2000	50.0000	400.0000	12.5000	8.6000			ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: RB-07: Rad Burial No. 7
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-RB07-01-0405 Lab ID: P280593	Field ID: KAFB-RB07-01-0708 Lab ID: P280594	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
ACETONE	50.0000	0.1000	8000.000	0.0000 ND	0.0000 ND			ND		
BROMODICHLOROMETHANE	5.0000	0.0050		0.0000 ND	0.0000 ND			ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		65.0000	52.0000					
BROMOMETHANE	10.0000	0.0100	32.0000	0.0000 ND	0.0000 ND			ND		
BENZENE	5.0000	0.0050	24.1000	0.0000 ND	0.0000 ND			ND		
TOLUENE	5.0000	0.0050	16000.00	0.0000 ND	0.0000 ND			ND		
TOLUENE-D8	N/A	0.0050		47.0000	50.0000					
CARBON DISULFIDE	5.0000	0.0050	8000.000	0.0000 ND	0.0000 ND			ND		
2-CHLOROETHYL VINYL ETHER	10.0000	0.0100		0.0000 ND	0.0000 ND					
CHLOROBENZENE	5.0000	N/A	2160.000	0.0000 ND	0.0000 ND			ND		
CHLOROETHANE	10.0000	0.0100		0.0000 ND	0.0000 ND			ND		
CHLOROMETHANE	10.0000	0.0100		0.0000 ND	0.0000 ND			ND		
CARBON TETRACHLORIDE	5.0000	0.0050		0.0000 ND	0.0000 ND			ND		
DIBROMOCHLOROMETHANE	5.0000	0.0050		0.0000 ND	0.0000 ND			ND		
1,1-DICHLOROETHANE	5.0000	0.0050		0.0000 ND	0.0000 ND			ND		
1,2-DICHLOROETHANE	5.0000	0.0050	7.6900	0.0000 ND	0.0000 ND			ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		55.0000	54.0000					
1,1-DICHLOROETHENE	5.0000	0.0050		0.0000 ND	0.0000 ND			ND		
trans-1,2-DICHLOROETHENE	5.0000	0.0050		0.0000 ND	0.0000 ND					
cis-1,3-DICHLOROPROPENE	5.0000	0.0050		0.0000 ND	0.0000 ND			ND		
trans-1,3-DICHLOROPROPENE	5.0000	0.0050		0.0000 ND	0.0000 ND			ND		
1,2-DICHLOROPROPANE	5.0000	0.0050		0.0000 ND	0.0000 ND					
ETHYLBENZENE	5.0000	0.0050	8000.000	0.0000 ND	0.0000 ND			ND		
2-HEXANONE	50.0000	0.0500		0.0000 ND	0.0000 ND			ND		
METHYL ETHYL KETONE (2-BUTANONE)	50.0000	0.1000	48000.00	0.0000 ND	0.0000 ND			ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	50.0000	0.0500		0.0000 ND	0.0000 ND			ND		
METHYLENE CHLORIDE	5.0000	0.0050	93.3000	0.0000 ND	0.0000 ND			ND		
1,1,2,2-TETRACHLOROETHANE	5.0000	0.0050	35.0000	0.0000 ND	0.0000 ND			ND		
TETRACHLOROETHYLENE(PCE)	5.0000	0.0050	800.0000	0.0000 ND	0.0000 ND			ND		
STYRENE	5.0000	0.0050		0.0000 ND	0.0000 ND			ND		
BROMOFORM	5.0000	0.0050	88.6000	0.0000 ND	0.0000 ND			ND		
1,1,1-TRICHLOROETHANE	5.0000	0.0050		0.0000 ND	0.0000 ND			ND		
1,1,2-TRICHLOROETHANE	5.0000	0.0050	123.0000	0.0000 ND	0.0000 ND			ND		
TRICHLOROETHYLENE (TCE)	5.0000	0.0050	63.6000	0.0000 ND	0.0000 ND			ND		
CHLOROFORM	5.0000	0.0050		0.0000 ND	0.0000 ND					
VINYL ACETATE	10.0000	0.0500		0.0000 ND	0.0000 ND			ND		
VINYL CHLORIDE	10.0000	0.0100		0.0000 ND	0.0000 ND					
M,P-XYLENE (SUM OF ISOMERS)	5.0000	N/A		0.0000 ND	0.0000 ND					
O-XYLENE (1,2-DIMETHYLBENZENE)	5.0000	N/A		0.0000 ND	0.0000 ND					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: RB-07: Rad Burial No. 7
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW9310: Gross Alpha & Gross Beta
Matrix: Soil
Units: PicoCuries per gram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-RB07-01-0405 Lab ID: P280593	Field ID: KAFB-RB07-01-0708 Lab ID: P280594	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
ALPHA, GROSS	20.0000	N/A		46.0000	39.0000					
BETA, GROSS	9.0000	N/A		36.0000	36.0000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: RB-07: Rad Burial No. 7
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: A701C: Gamma Spectralanalysis
Matrix: Soil
Units: PicoCuries per gram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-RB07-02-0102 Lab ID: P280663	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
ACTINIUM-228	N/A	N/A		1.2000						
BISMUTH-214	N/A	N/A		0.7000						
POTASSIUM-40	N/A	N/A		28.0000						
LEAD-212	N/A	N/A		0.0000						
LEAD-214	N/A	N/A		0.9000						
RADIUM-226	N/A	N/A		0.0000						
THORIUM-227	N/A	N/A		0.0000						
URANIUM-235	N/A	N/A		0.0000						

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: RB-07: Rad Burial No. 7
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: A708: Tritium
Matrix: Soil
Units: PicoCuries per gram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-RB07-02-0102 Lab ID: P280663	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
TRITIUM (HYDROGEN-3)	0.0200	N/A		0.0000 ND				ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: RB-07: Rad Burial No. 7
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-RB07-02-0102 Lab ID: P280663	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
SOLIDS, PERCENT	N/A	N/A		99.0000						

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: RB-07: Rad Burial No. 7
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-RB07-02-0102 Lab ID: P280663	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
CADMIUM	0.5000	4.0000	40.0000	0.9100				ND		
LEAD	0.2000	50.0000	400.0000	12.2000				ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: RB-07: Rad Burial No. 7
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-RB07-02-0102 Lab ID: P280663	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
ACETONE	50.0000	0.1000	8000.000	0.0000 ND				ND		
BROMODICHLOROMETHANE	5.0000	0.0050		0.0000 ND				ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		46.0000						
BROMOMETHANE	10.0000	0.0100	32.0000	0.0000 ND				ND		
BENZENE	5.0000	0.0050	24.1000	0.0000 ND				ND		
TOLUENE	5.0000	0.0050	16000.00	0.0000 ND				ND		
TOLUENE-D8	N/A	0.0050		49.0000						
CARBON DISULFIDE	5.0000	0.0050	8000.000	0.0000 ND				ND		
2-CHLOROETHYL VINYL ETHER	10.0000	0.0100		0.0000 ND				ND		
CHLOROBENZENE	5.0000	N/A	2160.000	0.0000 ND				ND		
CHLOROETHANE	10.0000	0.0100		0.0000 ND				ND		
CHLOROMETHANE	10.0000	0.0100		0.0000 ND				ND		
CARBON TETRACHLORIDE	5.0000	0.0050		0.0000 ND				ND		
DIBROMOCHLOROMETHANE	5.0000	0.0050		0.0000 ND				ND		
1,1-DICHLOROETHANE	5.0000	0.0050		0.0000 ND				ND		
1,2-DICHLOROETHANE	5.0000	0.0050	7.6900	0.0000 ND				ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		45.0000						
1,1-DICHLOROETHENE	5.0000	0.0050		0.0000 ND				ND		
trans-1,2-DICHLOROETHENE	5.0000	0.0050		0.0000 ND				ND		
cis-1,3-DICHLOROPROPENE	5.0000	0.0050		0.0000 ND				ND		
trans-1,3-DICHLOROPROPENE	5.0000	0.0050		0.0000 ND				ND		
1,2-DICHLOROPROPANE	5.0000	0.0050		0.0000 ND				ND		
ETHYLBENZENE	5.0000	0.0050	8000.000	0.0000 ND				ND		
2-HEXANONE	50.0000	0.0500		0.0000 ND				ND		
METHYL ETHYL KETONE (2-BUTANONE)	50.0000	0.1000	48000.00	0.0000 ND				ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	50.0000	0.0500		0.0000 ND				ND		
METHYLENE CHLORIDE	5.0000	0.0050	93.3000	0.0000 ND				ND		
1,1,2,2-TETRACHLOROETHANE	5.0000	0.0050	35.0000	0.0000 ND				ND		
TETRACHLOROETHYLENE(PCE)	5.0000	0.0050	800.0000	0.0000 ND				ND		
STYRENE	5.0000	0.0050		0.0000 ND				ND		
BROMOFORM	5.0000	0.0050	88.6000	0.0000 ND				ND		
1,1,1-TRICHLOROETHANE	5.0000	0.0050		0.0000 ND				ND		
1,1,2-TRICHLOROETHANE	5.0000	0.0050	123.0000	0.0000 ND				ND		
TRICHLOROETHYLENE (TCE)	5.0000	0.0050	63.6000	0.0000 ND				ND		
CHLOROFORM	5.0000	0.0050		0.0000 ND				ND		
VINYL ACETATE	10.0000	0.0500		0.0000 ND				ND		
VINYL CHLORIDE	10.0000	0.0100		0.0000 ND				ND		
M,P-XYLENE (SUM OF ISOMERS)	5.0000	N/A		0.0000 ND				ND		
O-XYLENE (1,2-DIMETHYLBENZENE)	5.0000	N/A		0.0000 ND						

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: RB-07: Rad Burial No. 7
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW9310: Gross Alpha & Gross Beta
Matrix: Soil
Units: PicoCuries per gram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-RB07-02-0102 Lab ID: P280663	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
ALPHA, GROSS	20.0000	N/A		14.0000				ND		
BETA, GROSS	10.0000	N/A		28.0000				ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: RB-07: Rad Burial No. 7
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: A701C: Gamma Spectralanalysis
Matrix: Soil
Units: PicoCuries per gram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-RB07-03-0102 Lab ID: P280664	Field ID: KAFB-RB07-99-0102 Lab ID: P280664	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
ACTINIUM-228	N/A	N/A		1.2000	1.3000					
BISMUTH-214	N/A	N/A		0.8000	1.0000					
POTASSIUM-40	N/A	N/A		31.0000	27.0000					
LEAD-212	N/A	N/A		1.2000	1.2000					
LEAD-214	N/A	N/A		0.9000	1.1000					
RADIUM-224	N/A	N/A		1.4000	2.2000					
RADIUM-226	N/A	N/A		0.0000	0.0000					
URANIUM-235	N/A	N/A		0.0000	0.0000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: RB-07: Rad Burial No. 7
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: A708: Tritium
Matrix: Soil
Units: PicoCuries per gram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-RB07-03-0102 Lab ID: P280664	Field ID: KAFB-RB07-99-0102 Lab ID: P280664	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
TRITIUM (HYDROGEN-3)	0.0300	N/A		0.0000 ND	0.0000 ND			ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: RB-07: Rad Burial No. 7
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-RB07-03-0102 Lab ID: P280664	Field ID: KAFB-RB07-99-0102 Lab ID: P280664	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
SOLIDS, PERCENT	N/A	N/A		97.6000	97.9000					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: RB-07: Rad Burial No. 7
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-RB07-03-0102 Lab ID: P280664	Field ID: KAFB-RB07-99-0102 Lab ID: P280664	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
CADMIUM	0.5000	4.0000	40.0000	0.8200	0.0000 ND			ND		
LEAD	0.2000	50.0000	400.0000	16.4000	12.6000			ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: RB-07: Rad Burial No. 7
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-RB07-03-0102 Lab ID: P280664	Field ID: KAFB-RB07-99-0102 Lab ID: P280664	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
ACETONE	50.0000	0.1000	8000.000	0.0000 ND	0.0000 ND			ND		
BROMODICHLOROMETHANE	5.0000	0.0050		0.0000 ND	0.0000 ND			ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		57.0000	46.0000					
BROMOMETHANE	10.0000	0.0100	32.0000	0.0000 ND	0.0000 ND			ND		
BENZENE	5.0000	0.0050	24.1000	0.0000 ND	0.0000 ND			ND		
TOLUENE	5.0000	0.0050	16000.00	0.0000 ND	0.0000 ND			ND		
TOLUENE-D8	N/A	0.0050		58.0000	51.0000					
CARBON DISULFIDE	5.0000	0.0050	8000.000	0.0000 ND	0.0000 ND			ND		
2-CHLOROETHYL VINYL ETHER	10.0000	0.0100		0.0000 ND	0.0000 ND			ND		
CHLOROBENZENE	5.0000	N/A	2160.000	0.0000 ND	0.0000 ND			ND		
CHLOROETHANE	10.0000	0.0100		0.0000 ND	0.0000 ND			ND		
CHLOROMETHANE	10.0000	0.0100		0.0000 ND	0.0000 ND			ND		
CARBON TETRACHLORIDE	5.0000	0.0050		0.0000 ND	0.0000 ND			ND		
DIBROMOCHLOROMETHANE	5.0000	0.0050		0.0000 ND	0.0000 ND			ND		
1,1-DICHLOROETHANE	5.0000	0.0050		0.0000 ND	0.0000 ND			ND		
1,2-DICHLOROETHANE	5.0000	0.0050	7.6900	0.0000 ND	0.0000 ND			ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		64.0000	46.0000					
1,1-DICHLOROETHENE	5.0000	0.0050		0.0000 ND	0.0000 ND			ND		
trans-1,2-DICHLOROETHENE	5.0000	0.0050		0.0000 ND	0.0000 ND			ND		
cis-1,3-DICHLOROPROPENE	5.0000	0.0050		0.0000 ND	0.0000 ND			ND		
trans-1,3-DICHLOROPROPENE	5.0000	0.0050		0.0000 ND	0.0000 ND			ND		
1,2-DICHLOROPROPANE	5.0000	0.0050		0.0000 ND	0.0000 ND			ND		
ETHYLBENZENE	5.0000	0.0050	8000.000	0.0000 ND	0.0000 ND			ND		
2-HEXANONE	50.0000	0.0500		0.0000 ND	0.0000 ND			ND		
METHYL ETHYL KETONE (2-BUTANONE)	50.0000	0.1000	48000.00	0.0000 ND	0.0000 ND			ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	50.0000	0.0500		0.0000 ND	0.0000 ND			ND		
METHYLENE CHLORIDE	5.0000	0.0050	93.3000	0.0000 ND	0.0000 ND			ND		
1,1,2,2-TETRACHLOROETHANE	5.0000	0.0050	35.0000	0.0000 ND	0.0000 ND			ND		
TETRACHLOROETHYLENE(PCE)	5.0000	0.0050	800.0000	0.0000 ND	0.0000 ND			ND		
STYRENE	5.0000	0.0050		0.0000 ND	0.0000 ND			ND		
BROMOFORM	5.0000	0.0050	88.6000	0.0000 ND	0.0000 ND			ND		
1,1,1-TRICHLOROETHANE	5.0000	0.0050		0.0000 ND	0.0000 ND			ND		
1,1,2-TRICHLOROETHANE	5.0000	0.0050	123.0000	0.0000 ND	0.0000 ND			ND		
TRICHLOROETHYLENE (TCE)	5.0000	0.0050	63.6000	0.0000 ND	0.0000 ND			ND		
CHLOROFORM	5.0000	0.0050		0.0000 ND	0.0000 ND			ND		
VINYL ACETATE	10.0000	0.0500		0.0000 ND	0.0000 ND			ND		
VINYL CHLORIDE	10.0000	0.0100		0.0000 ND	0.0000 ND			ND		
M,P-XYLENE (SUM OF ISOMERS)	5.0000	N/A		0.0000 ND	0.0000 ND			ND		
O-XYLENE (1,2-DIMETHYLBENZENE)	5.0000	N/A		0.0000 ND	0.0000 ND					

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: RB-07: Rad Burial No. 7
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW9310: Gross Alpha & Gross Beta
Matrix: Soil
Units: PicoCuries per gram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-RB07-03-0102 Lab ID: P280664	Field ID: KAFB-RB07-99-0102 Lab ID: P280664	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
ALPHA, GROSS	20.0000	N/A		26.0000	19.0000			ND		
BETA, GROSS	9.0000	N/A		25.0000	32.0000			ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: RB-07: Rad Burial No. 7
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: A701C: Gamma Spectralanalysis
Matrix: Soil
Units: PicoCuries per gram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-RB07-04-0001 Lab ID: P280666	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
ACTINIUM-228	N/A	N/A		1.7000						
BISMUTH-214	N/A	N/A		1.0000						
CESIUM-137	N/A	N/A		0.4000						
POTASSIUM-40	N/A	N/A		24.0000						
LEAD-212	N/A	N/A		0.0000						
LEAD-214	N/A	N/A		1.4000						
RADIUM-224	N/A	N/A		2.3000						
RADIUM-226	N/A	N/A		0.0000						
THORIUM-227	N/A	N/A		0.0000						
URANIUM-235	N/A	N/A		0.0000						

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: RB-07: Rad Burial No. 7
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: A708: Tritium
Matrix: Soil
Units: PicoCuries per gram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-RB07-04-0001 Lab ID: P280666	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
TRITIUM (HYDROGEN-3)	0.0500	N/A		0.0000 ND				ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: RB-07: Rad Burial No. 7
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-RB07-04-0001 Lab ID: P280666	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
SOLIDS, PERCENT	N/A	N/A		98.2000						

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: RB-07: Rad Burial No. 7
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-RB07-04-0001 Lab ID: P280666	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
CADMIUM	0.5000	4.0000	40.0000	0.7100				ND		
LEAD	0.2000	50.0000	400.0000	22.8000				ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: RB-07: Rad Burial No. 7
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-RB07-04-0001 Lab ID: P280666	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
ACETONE	50.0000	0.1000	8000.000	0.0000 ND				ND		
BROMODICHLOROMETHANE	5.0000	0.0050		0.0000 ND				ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		44.0000						
BROMOMETHANE	10.0000	0.0100	32.0000	0.0000 ND				ND		
BENZENE	5.0000	0.0050	24.1000	0.0000 ND				ND		
TOLUENE	5.0000	0.0050	16000.00	6.0000				ND		
TOLUENE-D8	N/A	0.0050		50.0000				ND		
CARBON DISULFIDE	5.0000	0.0050	8000.000	0.0000 ND				ND		
2-CHLOROETHYL VINYL ETHER	10.0000	0.0100		0.0000 ND				ND		
CHLOROBENZENE	5.0000	N/A	2160.000	0.0000 ND				ND		
CHLOROETHANE	10.0000	0.0100		0.0000 ND				ND		
CHLOROMETHANE	10.0000	0.0100		0.0000 ND				ND		
CARBON TETRACHLORIDE	5.0000	0.0050		0.0000 ND				ND		
DIBROMOCHLOROMETHANE	5.0000	0.0050		0.0000 ND				ND		
1,1-DICHLOROETHANE	5.0000	0.0050		0.0000 ND				ND		
1,2-DICHLOROETHANE	5.0000	0.0050	7.6900	0.0000 ND						
1,2-DICHLOROETHANE-D4	N/A	N/A		45.0000				ND		
1,1-DICHLOROETHENE	5.0000	0.0050		0.0000 ND				ND		
trans-1,2-DICHLOROETHENE	5.0000	0.0050		0.0000 ND				ND		
cis-1,3-DICHLOROPROPENE	5.0000	0.0050		0.0000 ND				ND		
trans-1,3-DICHLOROPROPENE	5.0000	0.0050		0.0000 ND				ND		
1,2-DICHLOROPROPANE	5.0000	0.0050		0.0000 ND				ND		
ETHYLBENZENE	5.0000	0.0050	8000.000	0.0000 ND				ND		
2-HEXANONE	50.0000	0.0500		0.0000 ND				ND		
METHYL ETHYL KETONE (2-BUTANONE)	50.0000	0.1000	48000.00	0.0000 ND				ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	50.0000	0.0500		0.0000 ND				ND		
METHYLENE CHLORIDE	5.0000	0.0050	93.3000	0.0000 ND				ND		
1,1,2,2-TETRACHLOROETHANE	5.0000	0.0050	35.0000	0.0000 ND				ND		
TETRACHLOROETHYLENE(PCE)	5.0000	0.0050	800.0000	0.0000 ND				ND		
STYRENE	5.0000	0.0050		0.0000 ND				ND		
BROMOFORM	5.0000	0.0050	88.6000	0.0000 ND				ND		
1,1,1-TRICHLOROETHANE	5.0000	0.0050		0.0000 ND				ND		
1,1,2-TRICHLOROETHANE	5.0000	0.0050	123.0000	0.0000 ND				ND		
TRICHLOROETHYLENE (TCE)	5.0000	0.0050	63.6000	0.0000 ND				ND		
CHLOROFORM	5.0000	0.0050		0.0000 ND				ND		
VINYL ACETATE	10.0000	0.0500		0.0000 ND				ND		
VINYL CHLORIDE	10.0000	0.0100		0.0000 ND				ND		
M,P-XYLENE (SUM OF ISOMERS)	5.0000	N/A		0.0000 ND				ND		
O-XYLENE (1,2-DIMETHYLBENZENE)	5.0000	N/A		0.0000 ND				ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: RB-07: Rad Burial No. 7
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW9310: Gross Alpha & Gross Beta
Matrix: Soil
Units: PicoCuries per gram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-RB07-04-0001 Lab ID: P280666	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
ALPHA, GROSS	9.0000	N/A		32.0000				ND		
BETA, GROSS	4.0000	N/A		35.0000				ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: RB-07: Rad Burial No. 7
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: A701C: Gamma Spectralanalysis
Matrix: Soil
Units: PicoCuries per gram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-RB07-05-0001 Lab ID: P280667	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
ACTINIUM-228	N/A	N/A		1.4000						
BISMUTH-214	N/A	N/A		0.8000						
CESIUM-137	N/A	N/A		0.2000						
POTASSIUM-40	N/A	N/A		26.0000						
LEAD-212	N/A	N/A		0.0000						
LEAD-214	N/A	N/A		1.2000						
RADIUM-226	N/A	N/A		0.0000						
THORIUM-227	N/A	N/A		0.0000						
URANIUM-235	N/A	N/A		0.0000						

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: RB-07: Rad Burial No. 7
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: A708: Tritium
Matrix: Soil
Units: PicoCuries per gram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-RB07-05-0001 Lab ID: P280667	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
TRITIUM (HYDROGEN-3)	0.0700	N/A		0.0000 ND				ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: RB-07: Rad Burial No. 7
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-RB07-05-0001 Lab ID: P280667	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
SOLIDS, PERCENT	N/A	N/A		98.2000						

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: RB-07: Rad Burial No. 7
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-RB07-05-0001 Lab ID: P280667	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
CADMIUM	0.5000	4.0000	40.0000	1.5000				ND		
LEAD	0.2000	50.0000	400.0000	15.0000				ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: RB-07: Rad Burial No. 7
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-RB07-05-0001 Lab ID: P280667	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
ACETONE	50.0000	0.1000	8000.000	0.0000 ND				ND		
BROMODICHLOROMETHANE	5.0000	0.0050		0.0000 ND				ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		48.0000						
BROMOMETHANE	10.0000	0.0100	32.0000	0.0000 ND				ND		
BENZENE	5.0000	0.0050	24.1000	0.0000 ND				ND		
TOLUENE	5.0000	0.0050	16000.00	0.0000 ND				ND		
TOLUENE-D8	N/A	0.0050		48.0000						
CARBON DISULFIDE	5.0000	0.0050	8000.000	0.0000 ND				ND		
2-CHLOROETHYL VINYL ETHER	10.0000	0.0100		0.0000 ND				ND		
CHLOROBENZENE	5.0000	N/A	2160.000	0.0000 ND				ND		
CHLOROETHANE	10.0000	0.0100		0.0000 ND				ND		
CHLOROMETHANE	10.0000	0.0100		0.0000 ND				ND		
CARBON TETRACHLORIDE	5.0000	0.0050		0.0000 ND				ND		
DIBROMOCHLOROMETHANE	5.0000	0.0050		0.0000 ND				ND		
1,1-DICHLOROETHANE	5.0000	0.0050		0.0000 ND				ND		
1,2-DICHLOROETHANE	5.0000	0.0050	7.6900	0.0000 ND				ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		48.0000						
1,1-DICHLOROETHENE	5.0000	0.0050		0.0000 ND				ND		
trans-1,2-DICHLOROETHENE	5.0000	0.0050		0.0000 ND				ND		
cis-1,3-DICHLOROPROPENE	5.0000	0.0050		0.0000 ND				ND		
trans-1,3-DICHLOROPROPENE	5.0000	0.0050		0.0000 ND				ND		
1,2-DICHLOROPROPANE	5.0000	0.0050		0.0000 ND				ND		
ETHYLBENZENE	5.0000	0.0050	8000.000	0.0000 ND				ND		
2-HEXANONE	50.0000	0.0500		0.0000 ND				ND		
METHYL ETHYL KETONE (2-BUTANONE)	50.0000	0.1000	48000.00	0.0000 ND				ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	50.0000	0.0500		0.0000 ND				ND		
METHYLENE CHLORIDE	5.0000	0.0050	93.3000	0.0000 ND				ND		
1,1,2,2-TETRACHLOROETHANE	5.0000	0.0050	35.0000	0.0000 ND				ND		
TETRACHLOROETHYLENE(PCE)	5.0000	0.0050	800.0000	0.0000 ND				ND		
STYRENE	5.0000	0.0050		0.0000 ND				ND		
BROMOFORM	5.0000	0.0050	88.6000	0.0000 ND				ND		
1,1,1-TRICHLOROETHANE	5.0000	0.0050		0.0000 ND				ND		
1,1,2-TRICHLOROETHANE	5.0000	0.0050	123.0000	0.0000 ND				ND		
TRICHLOROETHYLENE (TCE)	5.0000	0.0050	63.6000	0.0000 ND				ND		
CHLOROFORM	5.0000	0.0050		0.0000 ND				ND		
VINYL ACETATE	10.0000	0.0500		0.0000 ND				ND		
VINYL CHLORIDE	10.0000	0.0100		0.0000 ND				ND		
M,P-XYLENE (SUM OF ISOMERS)	5.0000	N/A		0.0000 ND				ND		
O-XYLENE (1,2-DIMETHYLBENZENE)	5.0000	N/A		0.0000 ND				ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: RB-07: Rad Burial No. 7
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW9310: Gross Alpha & Gross Beta
Matrix: Soil
Units: PicoCuries per gram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-RB07-05-0001 Lab ID: P280667	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
ALPHA, GROSS	20.0000	N/A		28.0000				ND		
BETA, GROSS	9.0000	N/A		32.0000				ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: RB-07: Rad Burial No. 7
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: A701C: Gamma Spectralanalysis
Matrix: Soil
Units: PicoCuries per gram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-RB07-06-0102 Lab ID: P280668	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
ACTINIUM-228	N/A	N/A		1.2000						
BISMUTH-214	N/A	N/A		0.9000						
POTASSIUM-40	N/A	N/A		30.0000						
LEAD-212	N/A	N/A		0.0000						
LEAD-214	N/A	N/A		1.1000						
RADIUM-224	N/A	N/A		0.0000						
RADIUM-226	N/A	N/A		0.0000						
THORIUM-227	N/A	N/A		0.0000						
URANIUM-235	N/A	N/A		0.0000						

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: RB-07: Rad Burial No. 7
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: A708: Tritium
Matrix: Soil
Units: PicoCuries per gram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-RB07-06-0102 Lab ID: P280668	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
TRITIUM (HYDROGEN-3)	0.0300	N/A		0.0000 ND				ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: RB-07: Rad Burial No. 7
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-RB07-06-0102 Lab ID: P280668	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
SOLIDS, PERCENT	N/A	N/A		99.1000						

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: RB-07: Rad Burial No. 7
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-RB07-06-0102 Lab ID: P280668	Field ID: KAFB-RB07-98-0102 Lab ID: P280668	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
CADMIUM	0.5000	4.0000	40.0000	0.8100	0.7100			ND		
LEAD	0.2000	50.0000	400.0000	9.9000	12.0000			ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: RB-07: Rad Burial No. 7
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-RB07-06-0102 Lab ID: P280668	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
ACETONE	50.0000	0.1000	8000.000	0.0000 ND				ND		
BROMODICHLOROMETHANE	5.0000	0.0050		0.0000 ND				ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		50.0000						
BROMOMETHANE	10.0000	0.0100	32.0000	0.0000 ND				ND		
BENZENE	5.0000	0.0050	24.1000	0.0000 ND				ND		
TOLUENE	5.0000	0.0050	16000.00	0.0000 ND				ND		
TOLUENE-D8	N/A	0.0050		52.0000						
CARBON DISULFIDE	5.0000	0.0050	8000.000	0.0000 ND				ND		
2-CHLOROETHYL VINYL ETHER	10.0000	0.0100		0.0000 ND				ND		
CHLOROBENZENE	5.0000	N/A	2160.000	0.0000 ND				ND		
CHLOROETHANE	10.0000	0.0100		0.0000 ND				ND		
CHLOROMETHANE	10.0000	0.0100		0.0000 ND				ND		
CARBON TETRACHLORIDE	5.0000	0.0050		0.0000 ND				ND		
DIBROMOCHLOROMETHANE	5.0000	0.0050		0.0000 ND				ND		
1,1-DICHLOROETHANE	5.0000	0.0050		0.0000 ND				ND		
1,2-DICHLOROETHANE	5.0000	0.0050	7.6900	0.0000 ND				ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		48.0000						
1,1-DICHLOROETHENE	5.0000	0.0050		0.0000 ND				ND		
trans-1,2-DICHLOROETHENE	5.0000	0.0050		0.0000 ND				ND		
cis-1,3-DICHLOROPROPENE	5.0000	0.0050		0.0000 ND				ND		
trans-1,3-DICHLOROPROPENE	5.0000	0.0050		0.0000 ND				ND		
1,2-DICHLOROPROPANE	5.0000	0.0050		0.0000 ND				ND		
ETHYLBENZENE	5.0000	0.0050	8000.000	0.0000 ND				ND		
2-HEXANONE	50.0000	0.0500		0.0000 ND				ND		
METHYL ETHYL KETONE (2-BUTANONE)	50.0000	0.1000	48000.00	0.0000 ND				ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	50.0000	0.0500		0.0000 ND				ND		
METHYLENE CHLORIDE	5.0000	0.0050	93.3000	0.0000 ND				ND		
1,1,2,2-TETRACHLOROETHANE	5.0000	0.0050	35.0000	0.0000 ND				ND		
TETRACHLOROETHYLENE(PCE)	5.0000	0.0050	800.0000	0.0000 ND				ND		
STYRENE	5.0000	0.0050		0.0000 ND				ND		
BROMOFORM	5.0000	0.0050	88.6000	0.0000 ND				ND		
1,1,1-TRICHLOROETHANE	5.0000	0.0050		0.0000 ND				ND		
1,1,2-TRICHLOROETHANE	5.0000	0.0050	123.0000	0.0000 ND				ND		
TRICHLOROETHYLENE (TCE)	5.0000	0.0050	63.6000	0.0000 ND				ND		
CHLOROFORM	5.0000	0.0050		0.0000 ND				ND		
VINYL ACETATE	10.0000	0.0500		0.0000 ND				ND		
VINYL CHLORIDE	10.0000	0.0100		0.0000 ND				ND		
M,P-XYLENE (SUM OF ISOMERS)	5.0000	N/A		0.0000 ND				ND		
O-XYLENE (1,2-DIMETHYLBENZENE)	5.0000	N/A		0.0000 ND						

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: RB-07: Rad Burial No. 7
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW9310: Gross Alpha & Gross Beta
Matrix: Soil
Units: PicoCuries per gram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-RB07-06-0102 Lab ID: P280668	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
ALPHA, GROSS	20.0000	N/A		29.0000				ND		
BETA, GROSS	9.0000	N/A		25.0000				ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: RB-07: Rad Burial No. 7
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: A708: Tritium
Matrix: Soil
Units: PicoCuries per gram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-RB07-07-0102 Lab ID: P280670	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
TRITIUM (HYDROGEN-3)	0.0300	N/A		0.0000 ND				ND		
TRITIUM (HYDROGEN-3)	0.0300	N/A		0.0000 ND				ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: RB-07: Rad Burial No. 7
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-RB07-07-0102 Lab ID: P280670	Field ID: Lab ID: P280670	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
SOLIDS, PERCENT	N/A	N/A		98.1000						

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: RB-07: Rad Burial No. 7
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-RB07-07-0102 Lab ID: P280670	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
CADMIUM	0.5000	4.0000	40.0000	1.1000				ND		
LEAD	0.2000	50.0000	400.0000	8.6000				ND		

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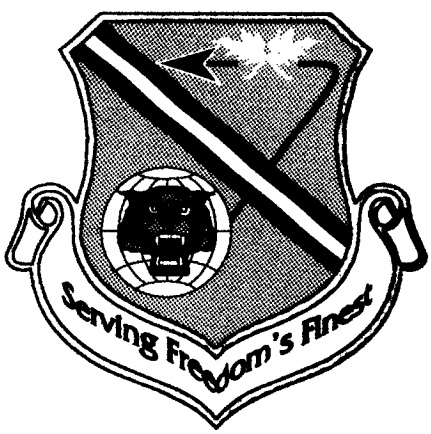
Kirtland Air Force Base
Albuquerque, New Mexico

RCRA Facility Investigation (RFI)
Stage 2D-1

Appendix G - Volume II of II

FINAL DRAFT - December 8, 1994



377 ABW/EMR
2000 Wyoming Blvd SE
Kirtland AFB, New Mexico 87117-5659

Kirtland Air Force Base
Albuquerque, New Mexico

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RCRA Facility Investigation (RFI)
Stage 2D-1

Appendix G - Volume II of II

FINAL DRAFT - December 8, 1994

377 ABW/EMR
2000 Wyoming Blvd SE
Kirtland AFB, New Mexico 87117-5659

LIST OF APPENDICES

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Appendix B Biographies of Key Personnel

Appendix C Soil Boring Logs

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Appendix E Surveying Data

Appendix F Chain-of-Custody Forms

Appendix G Analytical Data (Volumes I & II)

Appendix H Risk Calculations

Appendix I Correspondence with Federal, State, and Local Government Agencies

Appendix J Data from Previous Investigations

- J.1 Installation Restoration Program - Phase I: Historical Records Search
- J.2 Installation Restoration Program - Phase II, Stage I: Confirmation/Quantification
- J.3 Threatened and Endangered Species Survey

Appendix K Analytical Data Quality Assurance and Quality Control

- K.1 Laboratory Quality Control - Sample Acceptance Criteria and Instrument Detection Limit
- K.2 Field Equipment Calibration Logs
- K.3 Data Validation Memos
- K.4 Case Narratives

Appendix L Quality Assurance and Quality Control for Production of Documents

Appendix M Geologic Cross Sections of Site RB-11

APPENDIX G

Appendix G is divided into two sections:

- ***Section 1—Sample Identification Cross-Reference Table.*** Data in this table allow correlation of Quality Control samples with specific environmental samples. It also contains data that link specific field Quality Control samples (trip blanks, equipment blanks, and ambient condition blanks) with specified environmental samples.

- ***Section 2—Analytical Data Summary.*** This section lists the sample results from each site, analytical method, and sample matrix. This table also includes information about any data which were qualified during the data validation procedures.

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: RB-07: Rad Burial No. 7
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW9310: Gross Alpha & Gross Beta
Matrix: Soil
Units: PicoCuries per gram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-RB07-07-0102 Lab ID: P280670	Field ID: Lab ID: P280670	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
ALPHA, GROSS	20.0000	N/A		13.0000				ND		
BETA, GROSS	9.0000	N/A		22.0000				ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: RB-07: Rad Burial No. 7
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: A701C: Gamma Spectralanalysis
Matrix: Soil
Units: PicoCuries per gram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-RB07-08-0102 Lab ID: P280671	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
ACTINIUM-228	N/A	N/A		1.6000						
BISMUTH-214	N/A	N/A		0.9000						
POTASSIUM-40	N/A	N/A		25.0000						
LEAD-212	N/A	N/A		0.0000						
LEAD-214	N/A	N/A		1.2000						
RADIUM-224	N/A	N/A		2.8000						
THORIUM-227	N/A	N/A		0.0000						

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: RB-07: Rad Burial No. 7
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: A708: Tritium
Matrix: Soil
Units: PicoCuries per gram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-RB07-08-0102 Lab ID: P280671	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
TRITIUM (HYDROGEN-3)	0.0300	N/A		0.0000 ND				ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: RB-07: Rad Burial No. 7
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-RB07-08-0102 Lab ID: P280671	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
SOLIDS, PERCENT	N/A	N/A		98.8000						

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: RB-07: Rad Burial No. 7
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-RB07-08-0102 Lab ID: P280671	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
CADMIUM	0.5000	4.0000	40.0000	1.6000				ND		
LEAD	0.2000	50.0000	400.0000	11.1000				ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: RB-07: Rad Burial No. 7
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-RB07-08-0102 Lab ID: P280671	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
ACETONE	50.0000	0.1000	8000.000	0.0000 ND				ND		
BROMODICHLOROMETHANE	5.0000	0.0050		0.0000 ND				ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		51.0000						
BROMOMETHANE	10.0000	0.0100	32.0000	0.0000 ND				ND		
BENZENE	5.0000	0.0050	24.1000	0.0000 ND				ND		
TOLUENE	5.0000	0.0050	16000.00	0.0000 ND				ND		
TOLUENE-D8	N/A	0.0050		49.0000						
CARBON DISULFIDE	5.0000	0.0050	8000.000	0.0000 ND				ND		
2-CHLOROETHYL VINYL ETHER	10.0000	0.0100		0.0000 ND				ND		
CHLOROBENZENE	5.0000	N/A	2160.000	0.0000 ND				ND		
CHLOROETHANE	10.0000	0.0100		0.0000 ND				ND		
CHLOROMETHANE	10.0000	0.0100		0.0000 ND				ND		
CARBON TETRACHLORIDE	5.0000	0.0050		0.0000 ND				ND		
DIBROMOCHLOROMETHANE	5.0000	0.0050		0.0000 ND				ND		
1,1-DICHLOROETHANE	5.0000	0.0050		0.0000 ND				ND		
1,2-DICHLOROETHANE	5.0000	0.0050	7.6900	0.0000 ND				ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		46.0000						
1,1-DICHLOROETHENE	5.0000	0.0050		0.0000 ND				ND		
trans-1,2-DICHLOROETHENE	5.0000	0.0050		0.0000 ND				ND		
cis-1,3-DICHLOROPROPENE	5.0000	0.0050		0.0000 ND				ND		
trans-1,3-DICHLOROPROPENE	5.0000	0.0050		0.0000 ND				ND		
1,2-DICHLOROPROPANE	5.0000	0.0050		0.0000 ND				ND		
ETHYLBENZENE	5.0000	0.0050	8000.000	0.0000 ND				ND		
2-HEXANONE	50.0000	0.0500		0.0000 ND				ND		
METHYL ETHYL KETONE (2-BUTANONE)	50.0000	0.1000	48000.00	0.0000 ND				ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	50.0000	0.0500		0.0000 ND				ND		
METHYLENE CHLORIDE	5.0000	0.0050	93.3000	0.0000 ND				ND		
1,1,2,2-TETRACHLOROETHANE	5.0000	0.0050	35.0000	0.0000 ND				ND		
TETRACHLOROETHYLENE(PCE)	5.0000	0.0050	800.0000	0.0000 ND				ND		
STYRENE	5.0000	0.0050		0.0000 ND				ND		
BROMOFORM	5.0000	0.0050	88.6000	0.0000 ND				ND		
1,1,1-TRICHLOROETHANE	5.0000	0.0050		0.0000 ND				ND		
1,1,2-TRICHLOROETHANE	5.0000	0.0050	123.0000	0.0000 ND				ND		
TRICHLOROETHYLENE (TCE)	5.0000	0.0050	63.6000	0.0000 ND				ND		
CHLOROFORM	5.0000	0.0050		0.0000 ND				ND		
VINYL ACETATE	10.0000	0.0500		0.0000 ND				ND		
VINYL CHLORIDE	10.0000	0.0100		0.0000 ND				ND		
M,P-XYLENE (SUM OF ISOMERS)	5.0000	N/A		0.0000 ND				ND		
O-XYLENE (1,2-DIMETHYLBENZENE)	5.0000	N/A		0.0000 ND				ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: RB-07: Rad Burial No. 7
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW9310: Gross Alpha & Gross Beta
Matrix: Soil
Units: PicoCuries per gram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-RB07-08-0102 Lab ID: P280671	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
ALPHA, GROSS	9.0000	N/A		39.0000				ND		
BETA, GROSS	5.0000	N/A		35.0000				ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: RB-07: Rad Burial No. 7
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: A701C: Gamma Spectralanalysis
Matrix: Soil
Units: PicoCuries per gram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-RB07-09-0001 Lab ID: P280672	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
ACTINIUM-228	N/A	N/A		1.6000						
BISMUTH-214	N/A	N/A		0.8000						
CESIUM-137	N/A	N/A		0.3000						
POTASSIUM-40	N/A	N/A		28.0000						
LEAD-212	N/A	N/A		0.0000						
LEAD-214	N/A	N/A		1.1000						
RADIUM-226	N/A	N/A		0.0000						
THORIUM-227	N/A	N/A		0.0000						
URANIUM-235	N/A	N/A		0.0000						

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: RB-07: Rad Burial No. 7
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: A708: Tritium
Matrix: Soil
Units: PicoCuries per gram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-RB07-09-0001 Lab ID: P280672	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
TRITIUM (HYDROGEN-3)	0.0200	N/A		0.0000 ND				ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: RB-07: Rad Burial No. 7
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-RB07-09-0001 Lab ID: P280672	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
SOLIDS, PERCENT	N/A	N/A		99.2000						

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: RB-07: Rad Burial No. 7
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-RB07-09-0001 Lab ID: P280672	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
CADMIUM	0.5000	4.0000	40.0000	1.2000				ND		
LEAD	0.2000	50.0000	400.0000	14.9000				ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: RB-07: Rad Burial No. 7
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-RB07-09-0001 Lab ID: P280672	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
ACETONE	50.0000	0.1000	8000.000	0.0000 ND				ND		
BROMODICHLOROMETHANE	5.0000	0.0050		0.0000 ND				ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		50.0000						
BROMOMETHANE	10.0000	0.0100	32.0000	0.0000 ND				ND		
BENZENE	5.0000	0.0050	24.1000	0.0000 ND				ND		
TOLUENE	5.0000	0.0050	16000.00	0.0000 ND				ND		
TOLUENE-D8	N/A	0.0050		49.0000						
CARBON DISULFIDE	5.0000	0.0050	8000.000	0.0000 ND				ND		
2-CHLOROETHYL VINYL ETHER	10.0000	0.0100		0.0000 ND				ND		
CHLOROBENZENE	5.0000	N/A	2160.000	0.0000 ND				ND		
CHLOROETHANE	10.0000	0.0100		0.0000 ND				ND		
CHLOROMETHANE	10.0000	0.0100		0.0000 ND				ND		
CARBON TETRACHLORIDE	5.0000	0.0050		0.0000 ND				ND		
DIBROMOCHLOROMETHANE	5.0000	0.0050		0.0000 ND				ND		
1,1-DICHLOROETHANE	5.0000	0.0050		0.0000 ND				ND		
1,2-DICHLOROETHANE	5.0000	0.0050	7.6900	0.0000 ND				ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		45.0000						
1,1-DICHLOROETHENE	5.0000	0.0050		0.0000 ND				ND		
trans-1,2-DICHLOROETHENE	5.0000	0.0050		0.0000 ND				ND		
cis-1,3-DICHLOROPROPENE	5.0000	0.0050		0.0000 ND				ND		
trans-1,3-DICHLOROPROPENE	5.0000	0.0050		0.0000 ND				ND		
1,2-DICHLOROPROPANE	5.0000	0.0050		0.0000 ND				ND		
ETHYLBENZENE	5.0000	0.0050	8000.000	0.0000 ND				ND		
2-HEXANONE	50.0000	0.0500		0.0000 ND				ND		
METHYL ETHYL KETONE (2-BUTANONE)	50.0000	0.1000	48000.00	0.0000 ND				ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	50.0000	0.0500		0.0000 ND				ND		
METHYLENE CHLORIDE	5.0000	0.0050	93.3000	0.0000 ND				ND		
1,1,2,2-TETRACHLOROETHANE	5.0000	0.0050	35.0000	0.0000 ND				ND		
TETRACHLOROETHYLENE(PCE)	5.0000	0.0050	800.0000	0.0000 ND				ND		
STYRENE	5.0000	0.0050		0.0000 ND				ND		
BROMOFORM	5.0000	0.0050	88.6000	0.0000 ND				ND		
1,1,1-TRICHLOROETHANE	5.0000	0.0050		0.0000 ND				ND		
1,1,2-TRICHLOROETHANE	5.0000	0.0050	123.0000	0.0000 ND				ND		
TRICHLOROETHYLENE (TCE)	5.0000	0.0050	63.6000	0.0000 ND				ND		
CHLOROFORM	5.0000	0.0050		0.0000 ND				ND		
VINYL ACETATE	10.0000	0.0500		0.0000 ND				ND		
VINYL CHLORIDE	10.0000	0.0100		0.0000 ND				ND		
M,P-XYLENE (SUM OF ISOMERS)	5.0000	N/A		0.0000 ND				ND		
O-XYLENE (1,2-DIMETHYLBENZENE)	5.0000	N/A		0.0000 ND				ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: RB-07: Rad Burial No. 7
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW9310: Gross Alpha & Gross Beta
Matrix: Soil
Units: PicoCuries per gram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-RB07-09-0001 Lab ID: P280672	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
ALPHA, GROSS	20.0000	N/A		29.0000				ND		
BETA, GROSS	9.0000	N/A		25.0000				ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: RB-07: Rad Burial No. 7
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: A701C: Gamma Spectralanalysis
Matrix: Soil
Units: PicoCuries per gram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-RB07-10-0001 Lab ID: P280673	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
ACTINIUM-228	N/A	N/A		1.6000						
BISMUTH-214	N/A	N/A		1.2000						
POTASSIUM-40	N/A	N/A		28.0000						
LEAD-212	N/A	N/A		1.7000						
LEAD-214	N/A	N/A		1.4000						
RADIUM-224	N/A	N/A		1.2000						
RADIUM-226	N/A	N/A		0.0000						
THORIUM-227	N/A	N/A		5.1000						
URANIUM-235	N/A	N/A		0.0000						

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: RB-07: Rad Burial No. 7
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: A708: Tritium
Matrix: Soil
Units: PicoCuries per gram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-RB07-10-0001 Lab ID: P280673	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
TRITIUM (HYDROGEN-3)	0.0200	N/A		0.0000 ND				ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: RB-07: Rad Burial No. 7
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-RB07-10-0001 Lab ID: P280673	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
SOLIDS, PERCENT	N/A	N/A		99.4000						

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: RB-07: Rad Burial No. 7
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-RB07-10-0001 Lab ID: P280673	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
CADMIUM	0.5000	4.0000	40.0000	1.8000				ND		
LEAD	0.2000	50.0000	400.0000	15.7000				ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: RB-07: Rad Burial No. 7
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-RB07-10-0001 Lab ID: P280673	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
ACETONE	50.0000	0.1000	8000.000	0.0000 ND				ND		
BROMODICHLOROMETHANE	5.0000	0.0050		0.0000 ND				ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		50.0000						
BROMOMETHANE	10.0000	0.0100	32.0000	0.0000 ND				ND		
BENZENE	5.0000	0.0050	24.1000	0.0000 ND				ND		
TOLUENE	5.0000	0.0050	16000.00	0.0000 ND				ND		
TOLUENE-D8	N/A	0.0050		49.0000						
CARBON DISULFIDE	5.0000	0.0050	8000.000	0.0000 ND				ND		
2-CHLOROETHYL VINYL ETHER	10.0000	0.0100		0.0000 ND				ND		
CHLOROBENZENE	5.0000	N/A	2160.000	0.0000 ND				ND		
CHLOROETHANE	10.0000	0.0100		0.0000 ND				ND		
CHLOROMETHANE	10.0000	0.0100		0.0000 ND				ND		
CARBON TETRACHLORIDE	5.0000	0.0050		0.0000 ND				ND		
DIBROMOCHLOROMETHANE	5.0000	0.0050		0.0000 ND				ND		
1,1-DICHLOROETHANE	5.0000	0.0050		0.0000 ND				ND		
1,2-DICHLOROETHANE	5.0000	0.0050	7.6900	0.0000 ND				ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		46.0000						
1,1-DICHLOROETHENE	5.0000	0.0050		0.0000 ND				ND		
trans-1,2-DICHLOROETHENE	5.0000	0.0050		0.0000 ND				ND		
cis-1,3-DICHLOROPROPENE	5.0000	0.0050		0.0000 ND				ND		
trans-1,3-DICHLOROPROPENE	5.0000	0.0050		0.0000 ND				ND		
1,2-DICHLOROPROPANE	5.0000	0.0050		0.0000 ND				ND		
ETHYLBENZENE	5.0000	0.0050	8000.000	0.0000 ND				ND		
2-HEXANONE	50.0000	0.0500		0.0000 ND				ND		
METHYL ETHYL KETONE (2-BUTANONE)	50.0000	0.1000	48000.00	0.0000 ND				ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	50.0000	0.0500		0.0000 ND				ND		
METHYLENE CHLORIDE	5.0000	0.0050	93.3000	0.0000 ND				ND		
1,1,2,2-TETRACHLOROETHANE	5.0000	0.0050	35.0000	0.0000 ND				ND		
TETRACHLOROETHYLENE(PCE)	5.0000	0.0050	800.0000	0.0000 ND				ND		
STYRENE	5.0000	0.0050		0.0000 ND				ND		
BROMOFORM	5.0000	0.0050	88.6000	0.0000 ND				ND		
1,1,1-TRICHLOROETHANE	5.0000	0.0050		0.0000 ND				ND		
1,1,2-TRICHLOROETHANE	5.0000	0.0050	123.0000	0.0000 ND				ND		
TRICHLOROETHYLENE (TCE)	5.0000	0.0050	63.6000	0.0000 ND				ND		
CHLOROFORM	5.0000	0.0050		0.0000 ND				ND		
VINYL ACETATE	10.0000	0.0500		0.0000 ND				ND		
VINYL CHLORIDE	10.0000	0.0100		0.0000 ND				ND		
M,P-XYLENE (SUM OF ISOMERS)	5.0000	N/A		0.0000 ND				ND		
O-XYLENE (1,2-DIMETHYLBENZENE)	5.0000	N/A		0.0000 ND				ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: RB-07: Rad Burial No. 7
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW9310: Gross Alpha & Gross Beta
Matrix: Soil
Units: PicoCuries per gram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-RB07-10-0001 Lab ID: P280673	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
ALPHA, GROSS	20.0000	N/A		39.0000				ND		
BETA, GROSS	9.0000	N/A		35.0000				ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: RB-07: Rad Burial No. 7
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: A701C: Gamma Spectralanalysis
Matrix: Soil
Units: PicoCuries per gram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-RB07-11-0001 Lab ID: P280674	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
ACTINIUM-228	N/A	N/A		1.4000						
BISMUTH-214	N/A	N/A		0.8000						
CESIUM-137	N/A	N/A		0.3000						
POTASSIUM-40	N/A	N/A		27.0000						
LEAD-212	N/A	N/A		0.0000						
LEAD-214	N/A	N/A		1.2000						
THORIUM-227	N/A	N/A		0.0000						

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: RB-07: Rad Burial No. 7
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: A708: Tritium
Matrix: Soil
Units: PicoCuries per gram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-RB07-11-0001 Lab ID: P280674	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
TRITIUM (HYDROGEN-3)	0.0300	N/A		0.0000 ND				ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: RB-07: Rad Burial No. 7
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-RB07-11-0001 Lab ID: P280674	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
SOLIDS, PERCENT	N/A	N/A		98.1000						

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: RB-07: Rad Burial No. 7
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-RB07-11-0001 Lab ID: P280674	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
CADMIUM	0.5000	4.0000	40.0000	0.8200				ND		
LEAD	0.2000	50.0000	400.0000	10.7000				ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: RB-07: Rad Burial No. 7
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-RB07-11-0001 Lab ID: P280674	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
ACETONE	50.0000	0.1000	8000.000	0.0000 ND				ND		
BROMODICHLOROMETHANE	5.0000	0.0050		0.0000 ND				ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		48.0000						
BROMOMETHANE	10.0000	0.0100	32.0000	0.0000 ND				ND		
BENZENE	5.0000	0.0050	24.1000	0.0000 ND				ND		
TOLUENE	5.0000	0.0050	16000.00	6.0000				ND		
TOLUENE-D8	N/A	0.0050		49.0000						
CARBON DISULFIDE	5.0000	0.0050	8000.000	0.0000 ND				ND		
2-CHLOROETHYL VINYL ETHER	10.0000	0.0100		0.0000 ND				ND		
CHLOROBENZENE	5.0000	N/A	2160.000	0.0000 ND				ND		
CHLOROETHANE	10.0000	0.0100		0.0000 ND				ND		
CHLOROMETHANE	10.0000	0.0100		0.0000 ND				ND		
CARBON TETRACHLORIDE	5.0000	0.0050		0.0000 ND				ND		
DIBROMOCHLOROMETHANE	5.0000	0.0050		0.0000 ND				ND		
1,1-DICHLOROETHANE	5.0000	0.0050		0.0000 ND				ND		
1,2-DICHLOROETHANE	5.0000	0.0050	7.6900	0.0000 ND				ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		45.0000						
1,1-DICHLOROETHENE	5.0000	0.0050		0.0000 ND				ND		
trans-1,2-DICHLOROETHENE	5.0000	0.0050		0.0000 ND				ND		
cis-1,3-DICHLOROPROPENE	5.0000	0.0050		0.0000 ND				ND		
trans-1,3-DICHLOROPROPENE	5.0000	0.0050		0.0000 ND				ND		
1,2-DICHLOROPROPANE	5.0000	0.0050		0.0000 ND				ND		
ETHYLBENZENE	5.0000	0.0050	8000.000	0.0000 ND				ND		
2-HEXANONE	50.0000	0.0500		0.0000 ND				ND		
METHYL ETHYL KETONE (2-BUTANONE)	50.0000	0.1000	48000.00	0.0000 ND				ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	50.0000	0.0500		0.0000 ND				ND		
METHYLENE CHLORIDE	5.0000	0.0050	93.3000	0.0000 ND				ND		
1,1,2,2-TETRACHLOROETHANE	5.0000	0.0050	35.0000	0.0000 ND				ND		
TETRACHLOROETHYLENE(PCE)	5.0000	0.0050	800.0000	0.0000 ND				ND		
STYRENE	5.0000	0.0050		0.0000 ND				ND		
BROMOFORM	5.0000	0.0050	88.6000	0.0000 ND				ND		
1,1,1-TRICHLOROETHANE	5.0000	0.0050		0.0000 ND				ND		
1,1,2-TRICHLOROETHANE	5.0000	0.0050	123.0000	0.0000 ND				ND		
TRICHLOROETHYLENE (TCE)	5.0000	0.0050	63.6000	0.0000 ND				ND		
CHLOROFORM	5.0000	0.0050		0.0000 ND				ND		
VINYL ACETATE	10.0000	0.0500		0.0000 ND				ND		
VINYL CHLORIDE	10.0000	0.0100		0.0000 ND				ND		
M,P-XYLENE (SUM OF ISOMERS)	5.0000	N/A		0.0000 ND				ND		
O-XYLENE (1,2-DIMETHYLBENZENE)	5.0000	N/A		0.0000 ND				ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: RB-07: Rad Burial No. 7
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW9310: Gross Alpha & Gross Beta
Matrix: Soil
Units: PicoCuries per gram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-RB07-11-0001 Lab ID: P280674	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
ALPHA, GROSS	20.0000	N/A		9.4000				ND		
BETA, GROSS	6.0000	N/A		30.0000				ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: RB-11: Radioactive Burial 11 (RW-06)
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: 904.0:
Matrix: Soil
Units: PicoCuries per gram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-RB11-B1-0001 Lab ID: P283928	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
RADIUM-226	0.0400	N/A		0.4000						
RADIUM-228	0.2000	N/A		0.5000				ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: RB-11: Radioactive Burial 11 (RW-06)
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-RB11-B1-0001 Lab ID: P283928	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
SOLIDS, PERCENT	N/A	N/A		95.1000						

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: RB-11: Radioactive Burial 11 (RW-06)
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-RB11-B1-0001 Lab ID: P283928	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
SILVER	1.0000	7.0000	400.0000	0.0000 ND				ND		
ALUMINUM	5.0000	50.0000		8070.0000				ND		
ARSENIC	10.0000	60.0000	38.9000	0.0000 ND				ND		
BARIUM	0.5000	2.0000	5600.000	86.2000				ND		
BERYLLIUM	0.3000	0.3000	16.3000	0.5300				ND		
CALCIUM	10.0000	10.0000		8420.0000				ND		
CADMIUM	0.5000	4.0000	40.0000	0.6300				ND		
COBALT	1.0000	7.0000		7.6000				ND		
CHROMIUM, TOTAL	1.0000	7.0000		8.8000				ND		
COPPER	1.0000	6.0000		12.3000						
IRON	2.0000	7.0000		12800.0000				ND		
POTASSIUM	20.0000	500.0000		2790.0000				ND		
MAGNESIUM	5.0000	30.0000		4150.0000				ND		
MANGANESE	0.5000	2.0000	400.0000	296.0000				ND		
MOLYBDENUM	5.0000	8.0000	400.0000	0.0000 ND				ND		
SODIUM	10.0000	30.0000		74.1000						
NICKEL	2.0000	15.0000	1600.000	8.1000				ND		
LEAD	5.0000	50.0000	400.0000	9.1000				ND		
ANTIMONY	20.0000	40.0000	32.0000	0.0000 ND				ND		
SELENIUM	10.0000	80.0000	400.0000	0.0000 ND				ND		
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND				ND		
VANADIUM	1.0000	8.0000	720.0000	24.9000				ND		
ZINC	1.0000	2.0000	24000.00	43.3000						

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: RB-11: Radioactive Burial 11 (RW-06)
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-RB11-B1-0001 Lab ID: P283928	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MERCURY	0.1000	0.1000		0.0000 ND				ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: RB-11: Radioactive Burial 11 (RW-06)
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-RB11-B1-0001 Lab ID:	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
GASOLINE COMPONENTS	200.0000	1.0000		0.0000 ND				ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: RB-11: Radioactive Burial 11 (RW-06)
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-RB11-B1-0001 Lab ID: P283928	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
PENTACOSANE	N/A	N/A		4327.0000						
DIESEL COMPONENTS	4000.000	10.0000		12500.0000				ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: RB-11: Radioactive Burial 11 (RW-06)
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-RB11-B1-0001 Lab ID: P283928	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
ACETONE	50.0000	0.1000	8000.000	0.0000 ND				ND		
BROMODICHLOROMETHANE	5.0000	0.0050		0.0000 ND				ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		47.0000						
BROMOMETHANE	10.0000	0.0100	32.0000	0.0000 ND				ND		
BENZENE	5.0000	0.0050	24.1000	0.0000 ND				ND		
TOLUENE	5.0000	0.0050	16000.00	0.0000 ND				ND		
TOLUENE-D8	N/A	0.0050		50.0000						
CARBON DISULFIDE	5.0000	0.0050	8000.000	0.0000 ND				ND		
2-CHLOROETHYL VINYL ETHER	10.0000	0.0100		0.0000 ND				ND		
CHLOROBENZENE	5.0000	N/A	2160.000	0.0000 ND				ND		
CHLOROETHANE	10.0000	0.0100		0.0000 ND				ND		
CHLOROMETHANE	10.0000	0.0100		0.0000 ND				ND		
CARBON TETRACHLORIDE	5.0000	0.0050		0.0000 ND				ND		
DIBROMOCHLOROMETHANE	5.0000	0.0050		0.0000 ND				ND		
1,1-DICHLOROETHANE	5.0000	0.0050		0.0000 ND				ND		
1,2-DICHLOROETHANE	5.0000	0.0050	7.6900	0.0000 ND				ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		47.0000						
1,1-DICHLOROETHENE	5.0000	0.0050		0.0000 ND				ND		
trans-1,2-DICHLOROETHENE	5.0000	0.0050		0.0000 ND				ND		
cis-1,3-DICHLOROPROPENE	5.0000	0.0050		0.0000 ND				ND		
trans-1,3-DICHLOROPROPENE	5.0000	0.0050		0.0000 ND				ND		
1,2-DICHLOROPROPANE	5.0000	0.0050		0.0000 ND				ND		
ETHYLBENZENE	5.0000	0.0050	8000.000	0.0000 ND				ND		
2-HEXANONE	50.0000	0.0500		0.0000 ND				ND		
METHYL ETHYL KETONE (2-BUTANONE)	50.0000	0.1000	48000.00	0.0000 ND				ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	50.0000	0.0500		0.0000 ND				ND		
METHYLENE CHLORIDE	5.0000	0.0050	93.3000	0.0000 ND				ND		
1,1,2,2-TETRACHLOROETHANE	5.0000	0.0050	35.0000	0.0000 ND				ND		
TETRACHLOROETHYLENE(PCE)	5.0000	0.0050	800.0000	0.0000 ND				ND		
STYRENE	5.0000	0.0050		0.0000 ND				ND		
BROMOFORM	5.0000	0.0050	88.6000	0.0000 ND				ND		
1,1,1-TRICHLOROETHANE	5.0000	0.0050		0.0000 ND				ND		
1,1,2-TRICHLOROETHANE	5.0000	0.0050	123.0000	0.0000 ND				ND		
TRICHLOROETHYLENE (TCE)	5.0000	0.0050	63.6000	0.0000 ND				ND		
CHLOROFORM	5.0000	0.0050		0.0000 ND				ND		
VINYL ACETATE	10.0000	0.0500		0.0000 ND				ND		
VINYL CHLORIDE	10.0000	0.0100		0.0000 ND				ND		
M,P-XYLENE (SUM OF ISOMERS)	5.0000	N/A		0.0000 ND				ND		
O-XYLENE (1,2-DIMETHYLBENZENE)	5.0000	N/A		0.0000 ND				ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: RB-11: Radioactive Burial 11 (RW-06)
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-RB11-B1-0001 Lab ID: P283928	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
ACENAPHTHENE	330.0000	0.7000		0.0000 ND				ND		
ACENAPHTHYLENE	330.0000	0.7000		0.0000 ND				ND		
ANTHRACENE	330.0000	0.7000		0.0000 ND				ND		
BENZYL BUTYL PHTHALATE	330.0000	0.7000		0.0000 ND				ND		
bis(2-CHLOROETHOXY) METHANE	330.0000	0.7000		0.0000 ND				ND		
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	330.0000	0.7000		0.0000 ND				ND		
bis(2-ETHYLHEXYL) PHTHALATE	330.0000	0.7000	50.0000	0.0000 ND				ND		
4-BROMOPHENYL PHENYL ETHER	330.0000	0.7000		0.0000 ND				ND		
BENZO(a)ANTHRACENE	330.0000	0.7000		0.0000 ND				ND		
BENZOIC ACID	330.0000	1.6000		0.0000 ND				ND		
BENZO(a)PYRENE	330.0000	0.7000	959.0000	0.0000 ND				ND		
BENZO(b)FLUORANTHENE	330.0000	0.7000	95.9000	0.0000 ND				ND		
BENZO(g,h,i)PERYLENE	330.0000	0.7000		0.0000 ND				ND		
BENZO(k)FLUORANTHENE	330.0000	N/A		0.0000 ND				ND		
BENZYL ALCOHOL	330.0000	1.3000		0.0000 ND				ND		
4-CHLORO-3-METHYLPHENOL	330.0000	1.3000		0.0000 ND				ND		
CHRYSENE	330.0000	0.7000	9.5900	0.0000 ND				ND		
4-CHLOROANILINE	330.0000	1.3000		0.0000 ND				ND		
2-CHLOROPHENOL	330.0000	0.3000		0.0000 ND				ND		
2-CHLORONAPHTHALENE	330.0000	0.7000		0.0000 ND				ND		
4-CHLOROPHENYL PHENYL ETHER	330.0000	0.7000		0.0000 ND				ND		
DIBENZ(a,h)ANTHRACENE	330.0000	0.7000		0.0000 ND				ND		
DIBENZOFURAN	330.0000	0.7000		0.0000 ND				ND		
3,3'-DICHLOROBENZIDINE	670.0000	1.3000		0.0000 ND				ND		
1,2-DICHLOROBENZENE	330.0000	0.7000		0.0000 ND				ND		
1,3-DICHLOROBENZENE	330.0000	0.7000		0.0000 ND				ND		
1,4-DICHLOROBENZENE	330.0000	0.7000		0.0000 ND				ND		
2,4-DICHLOROPHENOL	330.0000	0.3000		0.0000 ND				ND		
DIETHYL PHTHALATE	330.0000	0.7000		0.0000 ND				ND		
2,4-DIMETHYLPHENOL	330.0000	0.3000		0.0000 ND				ND		
DIMETHYL PHTHALATE	330.0000	0.7000		0.0000 ND				ND		
4,6-DINITRO-2-METHYLPHENOL	1700.000	3.3000		0.0000 ND				ND		
DI-n-BUTYL PHTHALATE	330.0000	0.7000	8000.000	430.0000				ND		
DI-n-OCTYLPHTHALATE	330.0000	0.7000		0.0000 ND				ND		
2,4-DINITROPHENOL	1700.000	3.3000		0.0000 ND				ND		
2,4-DINITROTOLUENE	330.0000	0.7000		0.0000 ND				ND		
2,6-DINITROTOLUENE	330.0000	0.7000		0.0000 ND				ND		
FLUORENE	330.0000	0.7000	3360.000	0.0000 ND				ND		
FLUORANTHENE	330.0000	0.7000	3360.000	0.0000 ND				ND		
HEXACHLOROBUTADIENE	330.0000	0.7000		0.0000 ND				ND		
HEXACHLOROCYCLOPENTADIENE	330.0000	0.7000		0.0000 ND				ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: RB-11: Radioactive Burial 11 (RW-06)
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-RB11-B1-0001 Lab ID: P283928	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
HEXACHLOROBENZENE	330.0000	0.7000		0.0000 ND				ND		
HEXACHLOROETHANE	330.0000	0.7000		0.0000 ND				ND		
INDENO(1,2,3-c,d)PYRENE	330.0000	0.7000		0.0000 ND				ND		
ISOPHORONE	330.0000	0.7000	7370.000	0.0000 ND				ND		
2-METHYLPHENOL (o-CRESOL)	330.0000	0.3000		0.0000 ND				ND		
4-METHYLPHENOL (p-CRESOL)	330.0000	0.3000		0.0000 ND				ND		
2-METHYLNAPHTHALENE	330.0000	0.7000	3200.000	0.0000 ND				ND		
NAPHTHALENE	330.0000	0.7000	3200.000	0.0000 ND				ND		
N-NITROSODIPHENYLAMINE	330.0000	0.7000		0.0000 ND				ND		
N-NITROSODI-n-PROPYLAMINE	330.0000	0.7000		0.0000 ND				ND		
2-NITROANILINE	1700.000	3.3000		0.0000 ND				ND		
3-NITROANILINE	1700.000	3.3000		0.0000 ND				ND		
4-NITROANILINE	1700.000	3.3000		0.0000 ND				ND		
NITROBENZENE	330.0000	0.7000		0.0000 ND				ND		
NITROBENZENE-D5	N/A	0.7000		44.0000						
2-NITROPHENOL	330.0000	0.3000		0.0000 ND				ND		
4-NITROPHENOL	1700.000	1.6000		0.0000 ND				ND		
PENTACHLOROPHENOL	1700.000	3.3000	5.8300	0.0000 ND				ND		
2,4,6-TRIBROMOPHENOL	N/A	N/A		95.0000						
2-FLUOROPHENOL	N/A	N/A		80.0000						
PHENANTHRENE	330.0000	0.7000		0.0000 ND				ND		
PHENOL-D5	N/A	N/A		80.0000						
2-FLUOROBIPHENYL	N/A	N/A		43.0000						
TERPHENYL-D14	N/A	N/A		44.0000						
PHENOL	330.0000	0.3000	48000.00	0.0000 ND				ND		
PYRENE	330.0000	0.7000	2400.000	0.0000 ND				ND		
1,2,4-TRICHLOROBENZENE	330.0000	0.7000	800.0000	0.0000 ND				ND		
2,4,5-TRICHLOROPHENOL	1700.000	3.3000		0.0000 ND				ND		
2,4,6-TRICHLOROPHENOL	330.0000	0.3000		0.0000 ND				ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: RB-11: Radioactive Burial 11 (RW-06)
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW9010: Total and Amenable Cyanide (Colorimetric, Manual)
Matrix: Soil
Units: Milligrams per Kilogram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-RB11-B1-0001 Lab ID: P283928	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
CYANIDE	1.0000	N/A	1600.000	0.0000 ND				ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: RB-11: Radioactive Burial 11 (RW-06)
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-RB11-B1-0001 Lab ID: P283928	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		7.4000						

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: RB-11: Radioactive Burial 11 (RW-06)
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW9310: Gross Alpha & Gross Beta
Matrix: Soil
Units: PicoCuries per gram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-RB11-B1-0001 Lab ID: P283928	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
ALPHA, GROSS	20.0000	N/A		21.0000				ND		
BETA, GROSS	8.0000	N/A		27.0000				ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: RB-11: Radioactive Burial 11 (RW-06)
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: 904.0:
Matrix: Soil
Units: PicoCuries per gram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-RB11-B2-0001 Lab ID: P283927	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
RADIUM-226	0.0400	N/A		0.4000						
RADIUM-228	0.2000	N/A		0.4000				ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: RB-11: Radioactive Burial 11 (RW-06)
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: D2216: Percent Solid
Matrix: Soil
Units: Percent

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-RB11-B2-0001 Lab ID: P283927	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
SOLIDS, PERCENT	N/A	N/A		90.3000						

Base: KIRTLAND AFB
Site: RB-11: Radioactive Burial 11 (RW-06)
Method Extraction: SW3050: Acid Digestion of Sediments, Sludges, and Soils
Method Analytical: SW6010: Inductively Coupled Plasma Atomic Emission Spectroscopy
Matrix: Soil
Units: Milligrams per Kilogram

ANALYTCAL DATA SUMMARY

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-RB11-B2-0001 Lab ID: P283927	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
SILVER	1.0000	7.0000	400.0000	0.0000 ND				ND		
ALUMINUM	5.0000	50.0000		13900.0000				ND		
ARSENIC	10.0000	60.0000	38.9000	0.0000 ND				ND		
BARIUM	0.5000	2.0000	5600.000	101.0000				ND		
BERYLLIUM	0.3000	0.3000	16.3000	0.6600				ND		
CALCIUM	10.0000	10.0000		10800.0000				ND		
CADMIUM	0.5000	4.0000	40.0000	0.0000 ND				ND		
COBALT	1.0000	7.0000		9.2000				ND		
CHROMIUM, TOTAL	1.0000	7.0000		15.0000				ND		
COPPER	1.0000	6.0000		16.4000						
IRON	2.0000	7.0000		17300.0000				ND		
POTASSIUM	20.0000	500.0000		3310.0000				ND		
MAGNESIUM	5.0000	30.0000		4980.0000				ND		
MANGANESE	0.5000	2.0000	400.0000	316.0000				ND		
MOLYBDENUM	5.0000	8.0000	400.0000	0.0000 ND				ND		
SODIUM	10.0000	30.0000		87.7000						
NICKEL	2.0000	15.0000	1600.000	13.0000				ND		
LEAD	5.0000	50.0000	400.0000	8.6000				ND		
ANTIMONY	20.0000	40.0000	32.0000	24.1000				ND		
SELENIUM	10.0000	80.0000	400.0000	0.0000 ND				ND		
THALLIUM	20.0000	40.0000	7.2000	0.0000 ND				ND		
VANADIUM	1.0000	8.0000	720.0000	32.0000				ND		
ZINC	1.0000	2.0000	24000.00	40.3000						

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: RB-11: Radioactive Burial 11 (RW-06)
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW7471: Mercury in Solid or Semisolid Waste (Manual Cold-Vapor Tech)
Matrix: Soil
Units: Milligrams per Kilogram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-RB11-B2-0001 Lab ID: P283927	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
MERCURY	0.1000	0.1000		0.0000 ND				ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: RB-11: Radioactive Burial 11 (RW-06)
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units:

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-RB11-B2-0001 Lab ID:	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
GASOLINE COMPONENTS	200.0000	1.0000		0.0000 ND				ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: RB-11: Radioactive Burial 11 (RW-06)
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8015: Nonhalogenated Volatile Organics
Matrix: Soil
Units: Micrograms per kilogram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-RB11-B2-0001 Lab ID: P283927	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
PENTACOSANE	N/A	N/A		4194.0000						
DIESEL COMPONENTS	4000.000	10.0000		16100.0000				ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: RB-11: Radioactive Burial 11 (RW-06)
Method Extraction: SW5030: Purge-and-Trap
Method Analytical: SW8240: GC/MS for Volatile Organics
Matrix: Soil
Units: Micrograms per killogram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-RB11-B2-0001 Lab ID: P283927	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
ACETONE	50.0000	0.1000	8000.000	0.0000 ND				ND		
BROMODICHLOROMETHANE	5.0000	0.0050		0.0000 ND				ND		
1-BROMO-4-FLUOROBENZENE (4-BROMOFLUOROBENZENE)	N/A	N/A		49.0000						
BROMOMETHANE	10.0000	0.0100	32.0000	0.0000 ND				ND		
BENZENE	5.0000	0.0050	24.1000	0.0000 ND				ND		
TOLUENE	5.0000	0.0050	16000.00	0.0000 ND				ND		
TOLUENE-D8	N/A	0.0050		50.0000						
CARBON DISULFIDE	5.0000	0.0050	8000.000	0.0000 ND				ND		
2-CHLOROETHYL VINYL ETHER	10.0000	0.0100		0.0000 ND				ND		
CHLOROBENZENE	5.0000	N/A	2160.000	0.0000 ND				ND		
CHLOROETHANE	10.0000	0.0100		0.0000 ND				ND		
CHLOROMETHANE	10.0000	0.0100		0.0000 ND				ND		
CARBON TETRACHLORIDE	5.0000	0.0050		0.0000 ND				ND		
DIBROMOCHLOROMETHANE	5.0000	0.0050		0.0000 ND				ND		
1,1-DICHLOROETHANE	5.0000	0.0050		0.0000 ND				ND		
1,2-DICHLOROETHANE	5.0000	0.0050	7.6900	0.0000 ND				ND		
1,2-DICHLOROETHANE-D4	N/A	N/A		46.0000						
1,1-DICHLOROETHENE	5.0000	0.0050		0.0000 ND				ND		
trans-1,2-DICHLOROETHENE	5.0000	0.0050		0.0000 ND				ND		
cis-1,3-DICHLOROPROPENE	5.0000	0.0050		0.0000 ND				ND		
trans-1,3-DICHLOROPROPENE	5.0000	0.0050		0.0000 ND				ND		
1,2-DICHLOROPROPANE	5.0000	0.0050		0.0000 ND				ND		
ETHYLBENZENE	5.0000	0.0050	8000.000	0.0000 ND				ND		
2-HEXANONE	50.0000	0.0500		0.0000 ND				ND		
METHYL ETHYL KETONE (2-BUTANONE)	50.0000	0.1000	48000.00	0.0000 ND				ND		
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	50.0000	0.0500		0.0000 ND				ND		
METHYLENE CHLORIDE	5.0000	0.0050	93.3000	0.0000 ND				ND		
1,1,2,2-TETRACHLOROETHANE	5.0000	0.0050	35.0000	0.0000 ND				ND		
TETRACHLOROETHYLENE(PCE)	5.0000	0.0050	800.0000	0.0000 ND				ND		
STYRENE	5.0000	0.0050		0.0000 ND				ND		
BROMOFORM	5.0000	0.0050	88.6000	0.0000 ND				ND		
1,1,1-TRICHLOROETHANE	5.0000	0.0050		0.0000 ND				ND		
1,1,2-TRICHLOROETHANE	5.0000	0.0050	123.0000	0.0000 ND				ND		
TRICHLOROETHYLENE (TCE)	5.0000	0.0050	63.6000	0.0000 ND				ND		
CHLOROFORM	5.0000	0.0050		0.0000 ND				ND		
VINYL ACETATE	10.0000	0.0500		0.0000 ND				ND		
VINYL CHLORIDE	10.0000	0.0100		0.0000 ND				ND		
M,P-XYLENE (SUM OF ISOMERS)	5.0000	N/A		0.0000 ND				ND		
O-XYLENE (1,2-DIMETHYLBENZENE)	5.0000	N/A		0.0000 ND				ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: RB-11: Radioactive Burial 11 (RW-06)
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-RB11-B2-0001 Lab ID: P283927	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
ACENAPHTHENE	330.0000	0.7000		0.0000 ND				ND		
ACENAPHTHYLENE	330.0000	0.7000		0.0000 ND				ND		
ANTHRACENE	330.0000	0.7000		0.0000 ND				ND		
BENZYL BUTYL PHTHALATE	330.0000	0.7000		0.0000 ND				ND		
bis(2-CHLOROETHOXY) METHANE	330.0000	0.7000		0.0000 ND				ND		
bis(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	330.0000	0.7000		0.0000 ND				ND		
bis(2-ETHYLHEXYL) PHTHALATE	330.0000	0.7000	50.0000	0.0000 ND				ND		
4-BROMOPHENYL PHENYL ETHER	330.0000	0.7000		0.0000 ND				ND		
BENZO(a)ANTHRACENE	330.0000	0.7000		0.0000 ND				ND		
BENZOIC ACID	330.0000	1.6000		0.0000 ND				ND		
BENZO(a)PYRENE	330.0000	0.7000	959.0000	0.0000 ND				ND		
BENZO(b)FLUORANTHENE	330.0000	0.7000	95.9000	0.0000 ND				ND		
BENZO(g,h,i)PERYLENE	330.0000	0.7000		0.0000 ND				ND		
BENZO(k)FLUORANTHENE	330.0000	N/A		0.0000 ND				ND		
BENZYL ALCOHOL	330.0000	1.3000		0.0000 ND				ND		
4-CHLORO-3-METHYLPHENOL	330.0000	1.3000		0.0000 ND				ND		
CHRYSENE	330.0000	0.7000	9.5900	0.0000 ND				ND		
4-CHLOROANILINE	330.0000	1.3000		0.0000 ND				ND		
2-CHLOROPHENOL	330.0000	0.3000		0.0000 ND				ND		
2-CHLORONAPHTHALENE	330.0000	0.7000		0.0000 ND				ND		
4-CHLOROPHENYL PHENYL ETHER	330.0000	0.7000		0.0000 ND				ND		
DIBENZ(a,h)ANTHRACENE	330.0000	0.7000		0.0000 ND				ND		
DIBENZOFURAN	330.0000	0.7000		0.0000 ND				ND		
3,3'-DICHLOROBENZIDINE	670.0000	1.3000		0.0000 ND				ND		
1,2-DICHLOROBENZENE	330.0000	0.7000		0.0000 ND				ND		
1,3-DICHLOROBENZENE	330.0000	0.7000		0.0000 ND				ND		
1,4-DICHLOROBENZENE	330.0000	0.7000		0.0000 ND				ND		
2,4-DICHLOROPHENOL	330.0000	0.3000		0.0000 ND				ND		
DIETHYL PHTHALATE	330.0000	0.7000		0.0000 ND				ND		
2,4-DIMETHYLPHENOL	330.0000	0.3000		0.0000 ND				ND		
DIMETHYL PHTHALATE	330.0000	0.7000		0.0000 ND				ND		
4,6-DINITRO-2-METHYLPHENOL	1700.000	3.3000		0.0000 ND				ND		
DI-n-BUTYL PHTHALATE	330.0000	0.7000	8000.000	360.0000				ND		
DI-n-OCTYLPHTHALATE	330.0000	0.7000		0.0000 ND				ND		
2,4-DINITROPHENOL	1700.000	3.3000		0.0000 ND				ND		
2,4-DINITROTOLUENE	330.0000	0.7000		0.0000 ND				ND		
2,6-DINITROTOLUENE	330.0000	0.7000		0.0000 ND				ND		
FLUORENE	330.0000	0.7000	3360.000	0.0000 ND				ND		
FLUORANTHENE	330.0000	0.7000	3360.000	0.0000 ND				ND		
HEXACHLOROBUTADIENE	330.0000	0.7000		0.0000 ND				ND		
HEXACHLOROCYCLOPENTADIENE	330.0000	0.7000		0.0000 ND				ND		

Base: KIRTLAND AFB
Site: RB-11: Radioactive Burial 11 (RW-06)
Method Extraction: SW3550: Sonication Extraction
Method Analytical: SW8270: GC/MS for Semivolatile Organics (Capillary Column Technique)
Matrix: Soil
Units: Micrograms per killogram

ANALYTCAL DATA SUMMARY

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-RB11-B2-0001 Lab ID: P283927	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
HEXACHLOROBENZENE	330.0000	0.7000		0.0000 ND				ND		
HEXACHLOROETHANE	330.0000	0.7000		0.0000 ND				ND		
INDENO(1,2,3-c,d)PYRENE	330.0000	0.7000		0.0000 ND				ND		
ISOPHORONE	330.0000	0.7000	7370.000	0.0000 ND				ND		
2-METHYLPHENOL (o-CRESOL)	330.0000	0.3000		0.0000 ND				ND		
4-METHYLPHENOL (p-CRESOL)	330.0000	0.3000		0.0000 ND				ND		
2-METHYLNAPHTHALENE	330.0000	0.7000	3200.000	0.0000 ND				ND		
NAPHTHALENE	330.0000	0.7000	3200.000	0.0000 ND				ND		
N-NITROSODIPHENYLAMINE	330.0000	0.7000		0.0000 ND				ND		
N-NITROSODI-n-PROPYLAMINE	330.0000	0.7000		0.0000 ND				ND		
2-NITROANILINE	1700.000	3.3000		0.0000 ND				ND		
3-NITROANILINE	1700.000	3.3000		0.0000 ND				ND		
4-NITROANILINE	1700.000	3.3000		0.0000 ND				ND		
NITROBENZENE	330.0000	0.7000		0.0000 ND				ND		
NITROBENZENE-D5	N/A	0.7000		41.0000				ND		
2-NITROPHENOL	330.0000	0.3000		0.0000 ND						
4-NITROPHENOL	1700.000	1.6000		0.0000 ND				ND		
PENTACHLOROPHENOL	1700.000	3.3000	5.8300	0.0000 ND				ND		
2,4,6-TRIBROMOPHENOL	N/A	N/A		90.0000				ND		
2-FLUOROPHENOL	N/A	N/A		80.0000						
PHENANTHRENE	330.0000	0.7000		0.0000 ND						
PHENOL-D5	N/A	N/A		75.0000				ND		
2-FLUOROBIPHENYL	N/A	N/A		39.0000						
TERPHENYL-D14	N/A	N/A		40.0000						
PHENOL	330.0000	0.3000	48000.00	0.0000 ND						
PYRENE	330.0000	0.7000	2400.000	0.0000 ND				ND		
1,2,4-TRICHLOROBENZENE	330.0000	0.7000	800.0000	0.0000 ND				ND		
2,4,5-TRICHLOROPHENOL	1700.000	3.3000		0.0000 ND				ND		
2,4,6-TRICHLOROPHENOL	330.0000	0.3000		0.0000 ND				ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: RB-11: Radioactive Burial 11 (RW-06)
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW9010: Total and Amenable Cyanide (Colorimetric, Manual)
Matrix: Soil
Units: Milligrams per Kilogram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-RB11-B2-0001 Lab ID: P283927	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
CYANIDE	1.0000	N/A	1600.000	0.0000 ND				ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: RB-11: Radioactive Burial 11 (RW-06)
Method Extraction: NONE: No Extraction Required For This Method
Method Analytical: SW9045: Soil pH
Matrix: Soil
Units: PH Units

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-RB11-B2-0001 Lab ID: P283927	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
pH	N/A	N/A		7.5000						

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: RB-11: Radioactive Burial 11 (RW-06)
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW9310: Gross Alpha & Gross Beta
Matrix: Soil
Units: PicoCuries per gram

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-RB11-B2-0001 Lab ID: P283927	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
ALPHA, GROSS	20.0000	N/A		20.0000				ND		
BETA, GROSS	7.0000	N/A		25.0000				ND		

ANALYTCAL DATA SUMMARY

Base: KIRTLAND AFB
Site: RB-11: Radioactive Burial 11 (RW-06)
Method Extraction: METHOD: Extraction Method Specified in Analytical Method
Method Analytical: SW9310: Gross Alpha & Gross Beta
Matrix: Soil/Solid Quality Control Matrix
Units:

Parameters	Lab Detection Limit	Practical Quant. Level	Action Levels	Environmental Samples			Field Blanks			Method Blank
				Field ID: KAFB-RB11-DP0-0000 Lab ID:	Field ID: Lab ID:	Field ID: Lab ID:	Trip Blank Field ID: Lab ID:	Equipment Blank Field ID: Lab ID:	Ambient Blank Field ID: Lab ID:	Lab ID:
ALPHA, GROSS	20.0000	N/A		26.0000						
BETA, GROSS	20.0000	N/A		40.0000						

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C.L. 9.27.06
FILE

Kirtland Air Force Base
Albuquerque, New Mexico

RCRA Facility Investigation (RFI)
Stage 2D-1

Appendices H-M

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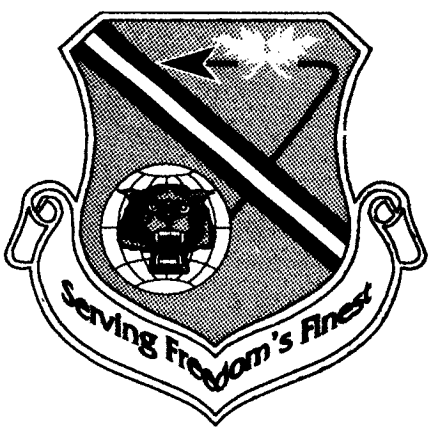

377 ABW/EMR
2000 Wyoming Blvd SE
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Kirtland Air Force Base
Albuquerque, New Mexico

FILE

RCRA Facility Investigation (RFI)
Stage 2D-1

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FINAL DRAFT - December 8, 1994

377 ABW/EMR
2000 Wyoming Blvd SE
Kirtland AFB, New Mexico 87117-5659

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H

Appendix H

Risk Calculations

PROPOSED ACTION LEVELS FOR CONSTITUENTS OF CONCERN (Organic Compounds)

Kirtland AFB, Albuquerque, New Mexico

Constituent of Concern (1)	CAS No	EPA Weight (2) of Evidence	Proposed (3) Soil Action Level (mg/kg)
A) Organics			
1,1,2,2-Tetrachloroethane	79-34-5	C	35
1,1,2-Trichloroethane	79-00-5	C	123
1,2,4-Trichlorobenzene	120-82-1	D	800
1,2-Dichloroethane	107-06-2	B2	7 69
2-methyl-naphthalene (4)	91-57-6	NA (5)	3200
Acetone	67-64-1	D	8000
Benzene	71-43-2	A	24 1
Benzo(a)pyrene	50-32-8	B2	0 0959
Benzo(b)fluoranthene (6)	205-99-2	B2	0 959
Bromoform	75-25-2	B2	88 6
Bromomethane	74-83-9	D	32
Carbon Disulfide	75-15-0	NA	8000
Chlorobenzene	108-90-7	D	2160
Chloroform	67-66-3	B2	115
Chrysene (6)	218-01-9	B2	9 59
Diethylhexyl phthalate (DEHP)	117-81-7	B2	50
Di-butyl phthalate	84-74-2	D	8000
Ethyl Benzene	100-41-4	D	8000
Fluoranthene	206-44-0	D	3360
Fluorene	86-73-7	D	3360
Fluoride	7782-41-4	NA	4800
Isophorone	78-59-1	C	7368
Methy Ethyl Ketone (MEK)	78-93-3	D	48000
Methylene chloride	75-09-2	B2	93 3
Naphthalene (7)	91-20-3	D	3200
Pentachlorophenol	87-86-5	B2	5 83
Tetrachloroethylene	127-18-4	NA	800
Phenol	108-95-2	D	48000
Pyrene	129-00-0	D	2400
Toluene	108-88-3	D	16000
Trichloroethylene	79-01-6	B2	63 6
Xylene	108-38-3	D	160000
B) Organics (8)			
1,1,1-Trichloroethane	71-55-6	D	NA
1,2-Dichloropropane	78-87-5	NA	NA
Dibenzofuran	132-64-9	D	NA
Methyl Isobutyl Ketone (MIBK)	108-10-1	NA	NA
Phenanthrene	85-01-8	D	NA

(1) Positive detected constituent at Kirtland AFB

(2) All parameters were obtained from the EPA Integrated Risk Information System (IRIS Online Database) 1994, and the Health Effects Assessment Summary Tables (HEAST) developed by the United States Environmental Protection Agency (1992)

Carcinogenic classification

A --Known human carcinogen

B1 / B2 --Probable human carcinogen

C --Possible human carcinogen

D --Not classified as a carcinogen

(3) Calculation were based on equations provided in the proposed Action Level (Federal Register, Vol 55, No.145, July 1990)

(4) Naphthalene Action Level may be used.

(5) NA-- not available

(6) TEF--toxicity equivalency factor based on carcinogenicity of benzo(a) pyrene (Supplemental Region VI Risk Assessment Guidance, April 14, 1992)

(7) RfD for Naphthalene was obtained from Superfund Chemical Data Matrix, 9345 1-13, (PB94963501), March 9, 1993

(8) Neither RfD nor CSF is available from IRIS Database or HEAST for the calculation of Soil Action Level

PROPOSED ACTION LEVELS FOR CONSTITUENTS OF CONCERN (Inorganic Compounds)

Kirtland AFB, Albuquerque, New Mexico

Constituent of Concern(1)	CAS No.	EPA Weight (2) of Evidence	Proposed (3) Soil Action Level (mg/kg)
C) Inorganics			
Antimony	7440-36-0	D	32
Arsenic	7440-38-2	A	0.4
Barium	7440-39-3	NA (4)	5600
Beryllium	7440-41-7	B2	0.2
Cadmium	7440-43-9	B1	40
Chromium III	16065-83-1	NA	80000
Chromium VI	18540-29-9	A	400
Cyanide	57-12-5	D	1600
Lead	7439-92-1	B2	400
Manganese	7439-96-5	D	400
Molybdenum	7439-98-7	NA	400
Nickel	7440-02-0	NA	1600
Selenium	7782-49-2	D	400
Silver	7440-22-4	D	400.00
Thallium (acetate)	563-68-8	NA	7.2
Vanadium	7440-62-2	NA	720
Zinc	7440-66-6	D	24000
D) Inorganics (6)			
Aluminum	7429-90-5	D	NA
Calcium	7440-70-2	NA	NA
Cobalt	7440-48-4	NA	NA
Copper	7440-50-8	D	NA
Iron	7439-89-6	NA	NA
Mercury	7439-97-6	D	20
Potassium	7440-09-7	NA	NA

(1) Positive detected constituent at Kirtland AFB.

(2) All parameters were obtained from the EPA Integrated Risk Information System (IRIS Online Database) 1994, and the Health Effects Assessment Summary Tables (HEAST) developed by the United States Environmental Protection Agency (1992).

Carcinogenic classification:

A --Known human carcinogen

B1 / B2 --Probable human carcinogen

C --Possible human carcinogen

D --Not classified as a carcinogen

(3) Calculation were based on equations provided in the proposed Action Level (Federal Register, Vol.55, No.145, July 1990).

(4) NA-- not available

(5) The interim directive replaces all previous directives on soil lead cleanup for RCRA programs (EPA/540/F-94/043, August 1994.

(6) Neither RfD nor CSF is available from IRIS Database or HEAST for the calculation of Soil Action Level.

(7) Action level of vanadium oxide was used.

Table 3-6 DOSE-RESPONSE PARAMETERS FOR CONSTITUENT OF CONCERN (Inorganics)
Kirtland AFB, Albuquerque, New Mexico

Constituent	CAS No.	EPA Weight of Evidence	Reference Dose (mg/kg-day)	Cancer Slope Factor (mg/kg/day)-1
Antimony	7440-36-0	D	0.0004	
Arsenic	7440-38-2	A	0.0003	1.8
Beryllium	7440-41-7	B2	0.005	4.3
Chromium VI (Total Chromium)	18540-29-9	A	0.005	
Manganese	7439-96-5	D	0.005	
Silver	7440-22-4	D	0.005	

Reference:
EPA Integrated Risk Information System (IRIS online Database, September, 1994)
Carcinogenic classification:
A --Known human carcinogen
B1 / B2 --Probable human carcinogen
C --Possible human carcinogen
D --Not classified as a carcinogen

Table

EXPOSURE ASSESSMENT - INGESTION OF SOIL

Kirtland AFB, Albuquerque, New Mexico

Input Parameter	Description	Value (1)
C	Exposure Concentration	95% Upper Confidence Limit (UCL)
IR	Ingestion Rate	100 mg/day - Adult residents 200 mg/day - Child residents
EF	Exposure Frequency	350 day/year
BW	Body Weight	70 kg - Adults 15 kg - Children
ED	Exposure Duration	30 years for residents 24 years for adults 6 years for children
AT	Averaging Time	365 days/year x 30 years (noncarcinogen) 365 days/year x 70 years (carcinogen)

(1) Reasonable Maximum Exposure (RME) values were used (EPA Regin VI, April 1992)

Appendix H

The screening risk assessment was performed to provide some indication of the concerns associated with RB-11. Two cases were performed. The first case performed was a worst case assessment. In this case, the radiological contaminants were concentrated in a small volume (approximately 2.8 m^3). This results in an average soil concentration of 4 pCi/g. This case reflects the possibility that all the animal excreta was stored in a single steel drum and buried at one time with the animals. The second case, a lower bound, assumes that the radiological contaminants are distributed over the volume of a trench (approximated at 54.4 m^3). This results in an average soil concentration of 2E-05 pCi/g. In both cases the potential human receptors were as follows:

Maintenance employee - represents an adult who experiences intermittent exposure at a site, such as an inspector, painter, etc. Assumed to be exposed 2 hours per day, 1 day per week, 50 weeks per year.

Full-time employee - represents a career employee who works at a site 8 hours per day, 250 days per year for 25 years.

Trespassing child - represents an adolescent of 7 to 16 years of age who is assumed to trespass at a site at a frequency of 2 hours per day, 1 day per week, 52 weeks per year over a 10 year period.

Resident adult - under certain conditions, it is assumed that a home could be constructed on the site and that the individual is exposed 24 hours per day, 350 days per year for a period of 30 years. For soil ingestion, this includes 6 years as a child and 24 years as an adolescent/adult.

For the purpose of this screening risk analysis, the following human receptors were selected:

Resident child - represents a child of 0 to 6 years of age exposed 24 hours per day, 350 days per year.

Construction worker - assumed to be exposed to a given site where general construction and excavation is occurring only once in his career. Exposure is estimated at 10 hours per day, 120 days per year for 1 year.

The following intake models were used:

The intake resulting from incidental ingestion of soil was calculated using the following equation.

$$I_{soil} = CS \times IR \times EF \times ED$$

where

I_{soil} = Intake of ingested soil (pCi)
CS = Concentration of radionuclide in soil (pCi/g)
IR = Soil ingestion rate (g/d)
EF = exposure frequency (d/yr)
ED = exposure duration (yr)

The intake resulting from incidental ingestion of vegetation grown on contaminated soil was calculated using the following equation.

$$I_{veg} = CS \times IR \times FV \times TC \times ED$$

where

Iveg = Intake of ingested vegetables (pCi)
CS = Concentration of radionuclide in soil (pCi/g)
IR = soil ingestion rate (g/d)
TC = transfer coefficient (ratio of [plant]/[soil])
ED = exposure duration (yr)
FV = fraction of vegetation ingested that was grown on contaminated soil

The exposure resulting from irradiation by contaminated soil was calculated using the following equation.

$$EIR = CS \times FY \times ED$$

where

EIR = External exposure (pCi-yr/g)
CS = Concentration of radionuclide in soil (pCi/g)
FY = fraction of year exposed
ED = exposure duration (yr)

The intake resulting from incidental inhalation of dust was calculated using the following equation.

$$I_{dust} = CS \times IR \times ET \times EF \times ED$$

where

I_{dust} = Intake from inhaled dust (pCi)
CS = Concentration of radionuclide in air (pCi/m^3)

IR = inhalation rate (m^3/hr)
ET = exposure time (hr/d)
EF = exposure frequency (d/yr)
ED = exposure duration (yr)

Risk was determined by the following equation.

$$Risk = I_i \times CSF$$

where

I_i = Intake of the ith model
CSF = cancer slope factor for i^{th} model and radionuclide

Total lifetime risk was determine by summing the risks for each individual nuclide and pathway.

Table H.1 outlines the variables used in the risk calculation.

Table H.1 Variables Used in Calculating Lifetime Risk

Human receptors	Maintenance Employee	Full-time Employee	Trespassing Child	Resident Adult	Resident Child	Construction Worker
Ingestion Rate IR (g/d)[4]	1.00E-02	1.00E-02	2.00E-02	1.00E-02	2.00E-02	2.00E-02
Inhalation Rate IR (m^3/hr)[4]	1.25E-00	1.25E-00	7.80E-01	1.25E-00	7.80E-01	2.00E-00
Exposure Frequency EF (d/yr)	5.00E-01	2.50E-02	5.20E-01	3.50E-02	3.50E-02	1.20E-02
Exposure Frequency EF (meals/day)	0.00E-00	0.00E-00	1.00E-00	3.00E-00	3.00E-00	0.00E-00
Exposure Time ET (hr/d)	2.00E-00	8.00E-00	2.00E-00	2.40E-01	2.40E-01	1.00E-01
Exposure Duration ED (yr)	2.00E-01	2.50E-01	1.00E-01	3.00E-01	2.00E-01	1.00E-00
Fraction of year exposed FY (un)	1.37E-01	6.85E-01	1.42E-01	9.59E-01	9.59E-01	3.29E-01
Transfer Coefficient Sr-90 (un)[2]	3.10E-00	3.10E-00	3.10E-00	3.10E-00	3.10E-00	3.10E-00
Transfer Coefficient Cs-137 (un)[2]	9.30E-02	9.30E-02	9.30E-02	9.30E-02	9.30E-02	9.30E-02
Air concentration (pCi/m^3)	2.59E-05	2.59E-05	2.59E-05	2.59E-05	2.59E-05	2.59E-05
Vegetable ingestion rate (g/d)[3]	0.00E-00	0.00E-00	5.00E-00	1.12E-02	1.12E-02	0.00E-00
Cancer Slope Factor (risk/unit)[1]						
Cs-137 ingestion (risk/pCi)	2.80E-11	2.80E-11	2.80E-11	2.80E-11	2.80E-11	2.80E-11
Cs-137 inhalation (risk/pCi)	1.90E-11	1.90E-11	1.90E-11	1.90E-11	1.90E-11	1.90E-11
Cs-137 external (risk/yr per pCi/g)	2.00E-06	2.00E-06	2.00E-06	2.00E-06	2.00E-06	2.00E-06
Sr/Y-90 ingestion (risk/pCi)	3.60E-11	3.60E-11	3.60E-11	3.60E-11	3.60E-11	3.60E-11
Sr/Y-90 inhalation (risk/pCi)	6.20E-11	6.20E-11	6.20E-11	6.20E-11	6.20E-11	6.20E-11
Sr/Y-90 external (risk/yr per pCi/g)	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00	0.00E-00

1. Health Effects Assessment Summary Tables Annual FY 1992
2. Till and Meyer, *Radiological Assessment*, USNRC, September 1993
3. OSWER Directive 9285.6-03
4. ICRP Report No. 23

In all cases the worst case or most conservative variable was chosen. For example the transfer coefficient for Sr-90 was selected as 3.10 [from Till (1983)], this value is the worst case for Sr-90.

Table H.2 outlines the results of the risk characterization.

Table H.2 Lifetime Risk Characterization Results

Human receptors	Maintenance Employee	Full-time Employee	Trespassing Child	Resident Adult	Resident Child	Construction Worker
Case 1						
Concentration CS (pCi/g)	4.00E+00	4.00E+00	4.00E+00	4.00E+00	4.00E+00	4.00E+00
Risk						
Ingestion of soil	2.56E-05	1.60E-04	2.66E-05	2.69E-04	3.58E-04	6.14E-06
Ingestion of vegtables	0.00E+00	0.00E+00	8.50E-05	2.57E-03	3.43E-03	0.00E+00
Inhalation of airborne contaminants	1.05E-06	2.62E-05	3.40E-07	1.32E-04	5.49E-05	1.01E-06
External	2.19E-05	1.37E-04	1.14E-05	2.30E-04	1.53E-04	2.63E-06
Total Risk	4.86E-05	3.23E-04	1.23E-04	3.21E-03	4.00E-03	9.78E-06
Case 2						
Concentration CS (pCi/g)	2.00E-05	2.00E-05	2.00E-05	2.00E-05	2.00E-05	2.00E-05
Risk						
Ingestion of soil	1.28E-10	8.00E-10	1.33E-10	1.34E-09	1.79E-09	3.07E-11
Ingestion of vegtables	0.00E+00	0.00E+00	4.25E-10	1.29E-08	1.72E-08	0.00E+00
Inhalation of airborne contaminants	5.24E-12	1.31E-10	1.70E-12	6.60E-10	2.74E-10	5.03E-12
External	1.10E-10	6.85E-10	5.70E-11	1.15E-09	7.67E-10	1.32E-11
Total Risk	2.43E-10	1.62E-09	6.17E-10	1.60E-08	2.00E-08	4.89E-11

Conversion of dpm to pCi/g

The conversion from discintigration per minute (dpm) to pCi/g uses the following formula.

$$pCi / g = \frac{dpm}{Eff * m * 2.22}$$

where

dpm	=	discintigrations per minute
Eff	=	counter efficiency
m	=	mass of sample in grams
2.22	=	conversion factor for dpm to pCi

Appendix I

Correspondence with Federal, State, and Local Government Agencies

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 6
1445 ROSS AVENUE, SUITE 1200
DALLAS, TX 75202-2733

CC: CYCSI Plant
DAVIDSON
DAAC

April 16, 1993

Thomas A Norris, Colonel, USAF
Director
Environmental Management Division
377 ABW/EM
Kirtland AFB, NM 87117-5659

Re: RFI Stage 2B Work Plan Resubmittal
Kirtland Air Force Base
NM9570024423

Dear Colonel Norris:

The Environmental Protection Agency (EPA) has reviewed RCRA Facility Investigation (RFI) Stage 2B Work Plan resubmittal, and have found it to be deficient. You shall have thirty (30) days from receipt of this letter in which to respond to the enclosed deficiencies.

Should you have any questions or comments, please contact Nancy Morlock at (214) 655-6650.

Sincerely,

Guanita Reiter, Acting Chief
RCRA Permits Branch

Enclosure

cc: Benito Garcia, NMED

Printed on Recycled Paper

General Comments:

1. In each paragraph titled "Release Characterization" the detailed sampling procedures should be specified or the location of the sampling information in the report should be referenced. This was a comment on the original work plan and the problem was not corrected in this resubmittal.

2. In addition, a table such as Table 1.8.1.1 Analytical methods and sources (page 32 in the Sampling and Analysis Plan) should be included in the work plan general discussion, or the location of the table cited in text.

3. It would be useful to know the age and construction of all underground storage tanks (ie. steel or fiberglass) and the dates and results of any leak detection tests. Also, is there a program in place to regularly test these tanks? Please specify.

Specific Comments:

Site 16, Radioactive Burial 11
3.4.1.4 Release Characterization, p. 50 -

1. The proposed five continuous 50 foot geologic characterization coreholes do not appear necessary in the initial phase of this investigation. Kirtland may want to drill these coreholes at a later date after initial sampling results are evaluated (Phase II). Could information gathered from the drilled coreholes RB-11-01 and RB-11 be used to characterize near-surface geology?

2. The 36 holes which will be drilled to characterize the trenches should be sampled every 5 feet to the bottom of each trench and then 10 feet below the trench unless field screening indicates contamination. If field screening indicates contamination, a sample should be collected at the point of potential contamination and again every 10 feet until no further contamination is detected. The last sample should be collected 10 feet below the last contamination point. These samples should be analyzed as indicated in the work plan.

3. Describe how these holes will be drilled.

4. The number of background holes could possibly be reduced by Kirtland.

5. A redistribution of the boreholes based upon the length of the trenches may provide better coverage without increasing the number of boreholes. The use of angled boreholes, as proposed in the original workplan, could potentially reduce the number of boreholes

proposed in the January 1993 Stage 2B Workplan.

3.4.2 Silver Recovery Units, p. 52 -

1. Are there any hazardous constituents in the photographic "fixer"? If so, then the analysis should be expanded to include these constituents.

2. The piping which flows to the sanitary sewer should be pressure tested or otherwise examined for potential leaks. Additional sampling may be required if any potential leaks are found.

3.4.3 Sites 23, 24 and 25, Piping Trench St-270, Neutralization Pit St-271, and Evaporation Pond St-273, p. 52 -

1. Kirtland should do a visual inspection of the PVC pipe and concrete trench which leads to the neutralization pit. If any cracks or soil staining are found then a sample should be collected at the surface and three feet below the unit. If possible, the PVC pipe should be pressure tested for leaks. If the visual inspection and the pressure test indicate that no leakage has occurred then the two proposed samples are not necessary. If the samples are needed they should be collected at 3 feet and 8 feet below the base of the unit. Continue sampling at 5 foot intervals until field screening or visual inspection indicates no contamination.

2. Has the neutralization pit ever overflowed? If yes, provide details.

3. For the neutralization pit, a visual inspection of the unit should be made for cracks, and if cracks are found then the proposed samples should be located near these. Rather than sampling 10 feet below the unit take an initial sample 3 feet below the pit. If visual inspection or field screening indicates possible contamination, then continue to sample every 5 feet until no contamination is indicated. Also check the acid line for any leakage, as well as the discharge line to the infiltration pond.

4. Rather than drill four holes into the evaporation pond, take four sludge samples from the bottom of the pond. Ensure that one sample is taken near the point of inflow. Analyze as indicated in the workplan. Based upon the data from the sludge samples additional sampling may be required. Directional boreholes under the pond or adjacent to the pond are preferred over boreholes through the pond should additional sampling be required based on these results.

5. Has the infiltration pond ever been dredged? If yes, provide details.

6. Has Building 617 ever been used for anything other than the AWL/Chemical Laser facility? If so, has the waste stream entering the piping trench (ST-270), netralization pit (ST-271) or evaporation pond (ST-273) ever differed in chemical composition? Provide details.

3.4.4. Site 26, Manzano Fire Training Area FT-14, p. 58-61

1. Kirtland should drill the 20 foot holes before drilling the 100 foot auger holes. For each of the proposed 20 foot holes, a sample should be collected at 5 feet below the base of the unit and then every 5 feet until no contamination is indicated by visual inspection or field screening. The final sample should be collected 5 feet below the last area of potential contamination. Sampling may or may not extend to 20 feet.

2. If sampling from the initial 20 foot holes does not indicate contamination to 20 feet, then the proposed 100 foot auger holes should be drilled as specified above until no contamination is indicated by field screening or visual inspection. If contamination extends below 20 feet, then extend the auger hole sampling on 10 foot intervals until samples are clean.

3. The length of the background hole should be the same as the deepest hole drilled. Sampling should occur on the same intervals as for the deepest hole.

General Comments for Oil/Water Separators:

1. The section on the Potentially Contaminated Media is identical for almost every Oil/Water Separator (OWS). The potential for surface water run-off should be evaluated based upon surface drainage near each unit. If there is no surface drainage then the potential for contamination leaving the base is lessened considerably.

2. Indicate if any of these units will be closing in the next two years.

3. Too many background samples are probably being collected. Kirtland could combine many of these background samples based upon an overall map of the units.

4. The sampling interval chosen (3 and 10 feet below the unit) should be modified to at the base of the unit and then 5 feet below that at 5 foot intervals until no sign of contamination.

5. All discharge points must be determined. For all units with unknown discharge points, Kirtland shall provide a description of how the discharge point will be located.

6. All pipes or lines leading to or from these units should be pressure tested or visually inspected for leakage. If leakage is found a sampling plan should be submitted or samples should be collected as indicated in Comment 4 above.

7. All oil water separators should be visually inspected, where possible, and sampled preferentially in locations of surficial staining, leakage points, or cracks. Where no surface staining, leakage points or cracks are observed, sampling points should be located near the inflow and outflow points and along the sides of the units.

8. For the following oil/water separators, Kirtland may reduce the number of sampling points from four to two, located preferentially near inflow and outflow points, and also based upon a visual inspection:

a. ST-255, ST-256, ST-257, ST-258 p. 61-63
b. ST-201 p. 64
c. ST-203, ST-204 p. 66
d. ST-206 p. 69
e. ST-207, p. 71
f. ST-214 and ST-216 p. 87
g. ST-238 and ST-240 p. 120
h. ST-247, p. 134
i. ST-250, p. 140
j. ST-252 and ST-253, p. 143
k. ST-261, p. 151
l. ST-264, p. 158
m. ST-265, p. 162

Section 3.4.5 Sites 27, 82, 83, 84 and 85, Page 61 (ST-326, 255, 256, 257 and 258) -

For tank ST-326, the number of samples should be reduced to one located near the inflow.

Section 3.4.7 Sites 29, 30, 31 and 32, Page 66 (ST-202, 203, 204 and 205) -

For ST-202 and ST-205, reduce the number of sample points to one located near the outflow or in an area of observed surface staining.

Section 3.4.11 Site 36, Page 76 (ST-209) -

1. Verify that this unit drains to ST-207.

2. Relocate sample points from the corners to the sides of the

units, or as determined by the visual inspection.

Section 3.4.12 Site 37, Page 78 (ST-210) -

Reduce number of sampling points from four to three by eliminating one of the duplicate points between the units. Locate sample points based upon visual inspection.

Section 3.4.13 Sites 38 and 40, Page 81 (ST-211 and ST-213) -

1. According to this section, OWS ST-211 is also known as unit #381-1. This unit is referenced in the July 1, 1992 HGCL letter (Appendix B) and is said to back-up and overflow during precipitation events. The unit was also reported to contain 30" of sediment. This unit should be taken out of service immediately and repaired or permanently closed.

2. The four sampling points surrounding OWS ST-211 should be positioned at the inflow and outflow points and along the sides of the unit, or where surface staining is observed. Additional sampling points should be installed as needed to define the extent of any contamination surrounding this unit.

3. Increase the number of sampling points surrounding drain ST-213 from three to four. Position two sampling points on the west side of the unit, and two sampling points on the east side of the unit. Ensure that one sampling point is located near the discharge to unit ST-211.

Section 3.4.14 Site 39, Page 83 (ST-212) -

Reduce number of sampling points from three to two by eliminating the point near the guard posts.

Section 3.4.15 Sites 41, 42 and 43, Page 86 (ST-214, 215 and 216)

Is the separator with the broken bottom still in use? This unit needs to be taken out of service immediately and repaired or permanently closed. Since this appears to have been an on-going problem, additional sampling may be required to define the extent of any release from the unit.

Section 3.4.16 Site 44, Page 91 (ST-217) -

Reduce number of sampling points from three to two. Position sampling points near inflow and outflow of unit, or where surficial staining is noted.

Section 3.4.17 Site 45, Page 92 (ST-218) -

Reduce number of sampling points from three to two. Position sampling points near inflow and outflow of unit, or where surficial staining is noted.

Section 3.4.18 Site 46, Page 94 (ST-219) - 482 - 481 - Between Hangars

1. This unit needs to be repaired or taken out of service.

2. Relocate sampling points to one each near inflow and outflow of unit, and one along cracks on north wall of separator and the last on the opposite side. Continue sampling until the depth of contamination is defined.

Section 3.14.19 Site 47, Page 96 (ST-220) - 100' inside

1. Locate one of the four sampling points near the corroded drain pipe.

2. Kirtland should ensure that this unit is taken out of use and does not receive any flow (intentional or unintentional).

Section 3.4.20 Site 48, Page 99 (ST-221) -

Ensure that samples are collected near the inflow and outflow of the unit.

Section 3.4.21 Sites 49, 50, 51 and 52, Page 102 (ST-222, 223, 224 and 225) -

1. Relocate the sampling point from the east side of ST-222 south to the discharge point to unit ST-225. Locate the sample point on the west side ST-225 next to the inflow point.

2. Does ST-223 discharge to the sewer system? Sample the discharge point from ST-223.

3. Determine total depth and capacity of tank ST-225. Is ST-225 a concrete, fiberglass or steel tank?

Section 3.4.22 Sites 53 and 54, Page 105 (ST-226 and ST-227) -

1. Reduce number of sampling points around tank ST-227 from four to two. Locate the two sampling points on opposite ends of the tank, with one point being located adjacent to the tank inflow.

2. Relocate the four samples surrounding ST-226 so that they are on the sides of the unit, and not at the corners. Locate one of the sampling points at the inflow of the unit, and another at the outflow of the unit.

Section 3.4.23 Site 55, Page 107 (ST-228) -

Reduce the number of sampling points from two to one. Locate this sampling point based on the visual inspection.

Section 3.4.24 Site 56, Page 110 (ST-229) -

1. Determine inflow source for the unit and the discharge point.

2. Determine unit dimensions.

3. Locate sampling points closer to unit. Ensure that one sample is located near the discharge point.

Section 3.4.25 Sites 57, 58 and 59, Page 112 (ST-230, 231 and 232)

1. Provide additional information concerning the material of construction for oil/water separator ST-230, ie. plastic or fiberglass?

2. Eliminate two of the four sampling points located between ejector unit ST-232 and tank ST-231.

3. Locate the sampling points surrounding ST-230 near the unit inflow and outflow.

Section 3.4.26 Site 60, Page 114 (ST-233) -

Describe how the surface soil sample will be collected.

Section 3.4.27 Sites 61, 62, 63 and 64, Page 116 (ST-234, 235, 236 and 237) -

1. Position the four sampling points around OWS ST-234 along the sides of the unit, rather than at the corners. Locate two of these sampling points near the unit inflow and outflow.

2. Reduce the number of sampling points around OWS ST-235 from three to two. Locate these points near the unit inflow and outflow.

3. OWS ST-236 should be taken out of service immediately and either repaired or permanently closed. The number of sampling points around OWS ST-236 should be increased from two to a minimum of four. Locate two of these points near the unit inflow and outflow, and the remaining two on the remaining sides of the unit, or where surface straining is observed. Continue sampling until the extent and depth of contamination has been determined.

4. Locate the two sampling points around drain ST-237 near the unit inflow and outflow.

Section 3.4.28 Sites 65, 66 and 67, Page 120 (ST-238, 239 and 240)

Reduce number of sampling points around OWS ST-239 from two to one. Locate this sampling point near the inflow or outflow point, or where surface staining is noted. Determine the discharge point for this unit.

Section 3.4.30 Sites 69 and 70, Page 126 (ST-242 and ST-243) -

Reduce the number of sampling points surrounding these two units from eight to seven. Position the sampling points at the midpoint of each side of the units, with one sampling point located between the units.

Section 3.4.31 Sites 71 and 72, Page 128 (ST-244 and ST-245) -

1. Position the four sampling points surrounding OWS ST-244 along the sides of the unit, rather than at the corners. Determine inflow source and discharge point for this unit.

2. Reduce the number of sampling points surrounding tank ST-245 from two to one. Position this sampling point at the midpoint of the west side of the unit, or where surface staining is noted. Determine the burial depth and dimensions of the tank.

Section 3.4.32 Site 73, Page 131 (ST-246) -

1. Did all fluids leaving the OWS discharge to the 2,000 gallon holding tank? Provide additional details.

2. Determine the inflow source to this unit.

Section 3.4.34 Sites 75 and 76, Page 136 (ST-248 and ST-249) -

1. What is the source of the inflow to OWS ST-248? Also, determine the discharge point for this unit.

2. Locate the four samples surrounding OWS ST-248 along the sides of the unit, rather than at the corners.

3. Determine the burial depth of tank ST-249. Is the tank constructed of steel or fiberglass?

4. What is the source of inflow to tank ST-249?

5. Position the four sampling points surrounding tank ST-249 at the sides of the unit, rather than at the corners.

Section 3.4.36 Site 78, Page 141 (ST-251) -

1. Explain the purpose of the concrete pad with the four inch brass plug shown in Figure 3.4.36.1.

2. Position the three sampling points near the inflow and outflow of the unit, and at any area where surface staining is observed.

Section 3.4.38 Site 81, Page 146 (ST-254) -

Position the four sampling points along the sides of this unit, rather than at the corners.

Section 3.4.39 Sites 86 and 87, Page 148 (ST-259 and ST-260) -

1. OWS ST-259 should be taken out of service immediately and cleaned. Position the four sampling points at the unit inflow and outflow, and where any surface staining is noted.

2. Position the four sampling points surrounding OWS ST-260 at the unit inflow and outflow points, or where surface staining is noted. Determine the discharge point for this unit.

Section 3.4.41 Site 89, Page 153 (ST-262) -

1. Visually inspect the drain feeding OWS ST-262 for cracks, leaks or staining. If cracks, leaks or staining are observed, additional sampling points should be installed.

2. Locate one of the four sampling points at the inflow to the unit. Locate the remaining three sampling points along the sides of the unit, or in areas of surface staining.

Section 3.4.42 Site 90, Page 156 (ST-263) -

1. Determine the discharge point for each of the two units.

2. Reduce the number of sampling points at each unit from four to three. Position the sampling points along the north, east and south sides of the units, or where surface staining is observed.

Section 3.4.45 Site 93, Page 165 (ST-266) -

1. Position the four sampling points near the inflow and outflow to the unit, and along the remaining sides of the units (rather than at the corners of the unit).

2. Determine the depth of the unit and the discharge point.

Section 3.4.46 Site 94, Page 168 (ST-267) -

1. Position the four sampling points near the inflow and outflow to the unit, and along the remaining sides of the units (rather than at the corners of the unit).

2. Determine the depth of the unit and the discharge point.

Editorial Comment

The workplan does not highlight each section of the report so that they stand out (visually) on each page. Also, it would be helpful to include tabs in the report so that different sections can be located quickly. This comment is for future use only and the workplan does not need to be revised for these reasons.

INSTALLATION RESTORATION PROGRAM
STAGE 2B

WORK PLAN
RESPONSES

Kirtland Air Force Base, New Mexico 87117-5000

Headquarters Air Mobility Command
(HQ AMC/DEV)
Scott Air Force Base, Illinois 62225-5001

May 1993

PREPARED BY

U.S. Geological Survey, Water Resources Division
(USGS-WRD)
4501 Indian School Rd. NE, Suite 200
Albuquerque, New Mexico 87110

USAF CONTRACT NO. AFCEE 91-02

IRP PROGRAM OFFICE (AFCEE/ESR)

Jo Jean Mullen, Technical Project Manager

Air Force Center for Environmental Excellence
Environmental Services Office
Environmental Restoration Division (AFCEE/ESR)
BROOKS AIR FORCE BASE, TEXAS 78235-5000

Atch-1

General Comments:

1. Sampling procedures in the work plan, section 3.2 and SAP, section 3.0 are hereby cited and will be cited in future revisions of the work plan.

2. Table 1.8.1.1 of the SAP is hereby cited and will be cited in future revisions of the work plan.

3. Of the ten units termed "tanks" in the text, one is stainless steel (ST-326), one is a concrete pipe (ST-210), two are steel (ST-245 and ST-246), three are of an unspecified "metal" (ST-227, ST-231, and ST-240), and three are of unknown material (ST-214, ST-225, and ST-249). The age and construction of tanks will be determined or verified by means of mechanical drawings, records, and visual inspection. Construction material and any leak-test results will be documented. Underground storage tanks are leak tested under the UST program. The following tanks have passed a leak test: ST-214, ST-227, ST-225, ST-240, ST-246, ST-326

Specific Comments on Sites 16, and 22-26:

Site 16, Radioactive Burial 11

3.4.1.4 Release Characterization, p. 50

1. We need the additional lithologic information initially. The driven holes produce no cuttings, which is why they are useful for possibly-contaminated mixed-waste areas, but, for the same reason, they will not yield a cuttings log of materials penetrated. Furthermore, the driven holes produce no electronic data.

2. The driven holes are intended to determine if possible contaminants have migrated from the trenches. The 36 driven holes will be located surrounding and between the trenches. Soil samples will be collected at 5, 10, 15, and 25 feet if field screening indicates no contamination on the push rod or in any of the samples. The sampling rod will be screened as it is withdrawn from the hole, and the sample itself will be screened as it is removed from the sample tube. If field screening indicates contamination at any depth, additional samples will be collected at 10-foot intervals until field screening indicates no contamination in the sample collected from the deepest point. This implies a minimum of 144 samples plus surface samples (6) and background samples (reduced to 4).

3. See #1 under general comments above concerning driven holes.

4. Will reduce number of background holes to two of the locations shown in figure 3.4.1.1, one to the east to determine possible effects of up-slope mercury spill site, and one to the west which should be clean.

5. Proposed driven holes between the trenches will be redistributed proportional to the lengths of the trenches. However, field reconnaissance seems to indicate fewer than 10 trenches, thus the proposed locations are hypothetical at this time. If ground-penetrating radar indicates fewer than 10 trenches, the number of driven holes may be reduced after consultation and concur-

rence with EPA, particularly if more than 4 samples per hole are required. The "angled holes" probably refers to the Sandia Lab demonstration project which is in progress. The Sandia project, demonstrating new techniques, does not necessarily use EPA-approved methods (see end of section 3.2.2.3).

3.4.2 Silver Recovery Units, p. 52

1. The safety data sheets have been obtained for the fixer which is used for the black and white developing process. These attached sheets show that the fixer contains no hazardous constituents (atch-1). The only concern is silver which is removed from the photographic paper by the fixer during the development process.

2. The sewer lines, including the sanitary lines in the building and the hookup to the manhole will be checked for possible leaks at the time of executing Appendix III studies. A determination that a leak has occurred will trigger a sampling plan.

3.4.3 Sites 23, 24 and 25, piping Trench St-270, Neutralization Pit St-271, and Evaporation Pond St-273, p. 52 -

1. A visual inspection occurred last summer. (Ralph Wilcox, USGS), at which time there was no visible deterioration of pipe, and tadpoles were swimming in the water standing in the Piping Trench. Further inspection will include draining any rainwater from the trench and inspecting it, and pressure-testing the PVC pipe before soil sampling begins. Because the pipe and piping trench appeared to be in good working order in 1992, no soil sampling is foreseen at site 23.

2. No, the neutralization pit has never overflowed.

3. The neutralization pit will be drained and checked for cracks. Sampling locations will be selected near cracks or any visible deterioration of the pit, or near piping connections. Sampling depths will be 3 feet below the bottom elevation of the pit and, if visual inspection or field screening indicates possible contamination, a second sample will be collected at 8 feet below the bottom of the pit and deeper at five-foot intervals until field screening indicates no more contamination. (Assume 4 samples for budgeting purposes.)

4. Four pond sediment samples will be taken from the Evaporation/Infiltration pond. (No sludge is expected as no sludge-forming material is present.) One sample will be taken from a location near the point of inflow. If contamination is present in pond sediment, then additional samples will be collected from locations adjacent to the pond at elevations below the bottom of the pond. (Assume 4 samples for budgeting purposes.)

5. No, the pond has never been dredged.

6 No, this facility has never been used for anything else and the waste stream has always been the same.

3.4.4. Site 26, Manzano Fire Training Area FT-14, p. 58-61

1 The 20 foot holes will be driven prior to drilling the 100-foot holes with a power auger. If field screening indicates no contamination below 20 feet, then the 100-foot holes will be replaced by two additional 20 foot holes, thus avoiding mobilization of the auger rig. Samples from the 20-foot holes will be at the land surface, at 5-foot intervals until field screening indicates no contamination in the deepest sample. (Assume 45 samples for budgeting purposes.)

2. If field screening indicates possible contamination at 20 feet, then the 100-foot holes will be augered. Samples from the 100-foot holes, if augered, will be collected from the land surface and at depths of 20, 30 and every 10 feet until field screening indicates no contamination. (Assume 10 samples for budgeting purposes.)

3. The background hole has already been drilled and sampled under stage 2A. Geologic conditions are such that any layering that might exist could be steeply dipping, not necessarily following the land surface. Thus the correlation of samples from exactly equal depths may be of dubious value.

General Comments for Oil/Water Separators:

1. Although the possibility of surface-water discharge exists given a rare precipitation event, this has not been a problem. Any such event would require such a large volume of runoff that discharges from a given oil/water separator would be extremely dilute. The quality of surface-water discharges have been monitored through the NPDES program, and have not exceeded regulatory requirements. However, potential for surface-water runoff will be further evaluated on a site-by-site basis. This will include a qualitative evaluation of the potential for flooding to cause oil to rise to the land surface given the construction of each unit.

2 There are no plans to close any units except those EPA has ordered closed.

3 To reduce the number of background samples, the background holes proposed in the text were plotted on the enclosed maps (highlighted in green) and sites were grouped to yield a more even areal distribution of holes. Thus, where sites are close together, there will be more sites per background hole than where sites are farther apart. Ten background holes will be driven on the western part of the industrial area north of the main east/west runway and ten will be driven on the eastern part of that area. Where a choice is to be made between two holes to be deleted, the one deleted will be the one that appears to be in the less pristine area on the basis of field observation. In each of the following groups, one of the two background holes will be deleted (atch.-2):

Sites 29, 30, 31, 32, 33, 34, 35, and 36 (ST-202, -203, -204, -205, -206, -207, -208, and -209, background hole locations shown in figures 3.4.7.1 and 3.4.8.1);
Sites 37, 38, 39, and 40 (ST-210, -211, -212, and -213 background hole locations shown in figures 3.4.12.1 and 3.4.13.1);
Sites 41, 42, 43, and 45 (ST-214, -215, -216, and -218 background hole locations shown in figures 3.4.15.1 and 3.4.17.1);
Sites 44 and 46 (ST-217 and -219 background hole locations shown in figures 3.4.16.1 and

3.4.18.1);
Sites 55, 61, 62, 63, 64, 68, 74 (ST-228, -234, -235, -236, -237, -241, and -247 background hole locations shown in figures 3.4.27.1 and 3.4.29.1);
Sites 65, 66, 67, 71, and 72 (ST-238, -239, -240, 244, and -245 background hole locations shown in figures 3.4.28.1 and 3.4.31.1);
Sites 77, 78, 79 and 80 (ST-250, -251, -252, and -253 background hole locations shown in figures 3.4.36.1 and 3.4.37.1).

In addition, one of two background holes planned for the "Manzano Base" area will be deleted (Sites 91 and 92, which are ST-264 and ST-265, shown in figures 3.4.43.1 and 3.4.44.1).

In summary, the total number of background holes proposed for the oil/water separators, area drains, tanks, and sewage ejector units will have been reduced from 30 to 22. The main reductions will be along the northeast-southwest ramp, on map sheet 3 (enclosed) where eight locations will be reduced to four, and the cluster on the lower left corner of map sheet 4 will be reduced from five locations to three.

Some of the background holes may be moved to more accessible or more pristine locations (if these holes are not deleted). The new locations, are shown on the enclosed maps highlighted in blue (utch-2).

4 The sampling intervals at oil/water separators will be at the bottom elevation of the unit, and at 5 feet below the bottom of the unit, and at 5-foot intervals below that until field screening indicates no contamination in the sample from the deepest point. Thus the minimum number of samples at each driven hole will be two.

5 All unknown discharge destinations will be determined as already stated in sections entitled "Release Characterization". The determination of discharge destinations will include: a) ask on-site personnel, b) review mechanical drawings, c) probe with sewer snake to the nearest manhole, d) trace with liquid dye or gaseous tracers.

6. All pipes or lines leading to or from oil/water separators, area drains, tanks, or sewage ejector units will be sketched showing sources, destinations; and if possible, materials, dimensions, and alignments will be reported. The actual checking for leakage will be deferred to the time of executing Appendix III studies. At that time, any leaks will trigger proposals to sample soils for contamination at the leakage points.

7 All oil/water separators will be visually inspected, where possible, and sampled preferentially in locations of surficial staining, leakage points, or cracks. Where no such indications are observed, sampling points will be located at the inflow and outflow points, and along the sides of the units.

8 At the following units, sampling locations will be reduced from four to two, located preferentially near inflow and outflow points, unless additional samples are indicated by visual inspection:

ST-255, ST-256, ST-257, and ST-258

ST-201
ST-203 and ST-204
ST-206
ST-207
ST-214 and ST-216
ST-238 and ST-240
ST-247
ST-250
ST-252 and ST-253
ST-261
ST-264
ST-265.

Specific comments on oil/water separators, etc.

Section 3.4.5

Sampling locations will be reduced to one near inflow of ST-326.

Section 3.4.7

Will reduce sampling locations to one near outflow of each of ST-202 and ST-205 or to location(s) of cracks or surface staining.

Section 3.4.11

1. Will verify that ST-209 drains to ST-207 with dye.

2. Will relocate sampling locations from corners to sides of units, or as determined by inspection.

Section 3.4.12

Will reduce number of sampling locations from four to three and determine on the basis of visual inspection.

Section 3.4.13

1. ST-211/ST-213 has been maintained regularly and the fact that it is now in good working order will be verified.

2. The four sampling locations will be at inflow and outflow points, and along the sides of this unit. Additional locations may be determined on the basis of visual inspection and field screening.

3. The number of sampling locations at ST-213 will be increased from three to four, two on

each side of the unit, with one near the outflow point.

Section 3.4.14

Samples will be collected only at the two locations near the inflow and outflow points.

Section 3.4.15

Kirtland AFB will verify that appropriate repairs have been made to ST-215, or take it out of service immediately. Additional sampling may be needed on the basis of field inspection and screening to define the extent of release from this unit.

Section 3.4.16

Reduce the number of sampling locations at ST-217 from three to two near inflow and outflow points or where surficial staining is noted.

Section 3.4.17

Reduce the number of sampling locations at ST-218 from three to two near inflow and outflow points or where surficial staining is noted.

Section 3.4.18

1. ST-219 will be repaired or taken out of service.
2. Sampling locations will be at inflow and outflow, along cracked wall of separator, and on opposite side. Samples will be collected from the bottom elevation of the unit and at 5-foot intervals below that until field screening indicates no contamination.

Section 3.14.19

One of the sampling locations at ST-220 will be near the corroded drain pipe. Kirtland will verify that this unit can not be used.

Section 3.4.20

One sample will be collected near each inflow and outflow point at ST-221, other sample locations will be distributed along the perimeter on the basis of visual inspection.

Section 3.4.21

1. Tank ST-225 has no discharge pipe. Oil is pumped out periodically. One of the sampling locations will be near the inflow point.
2. Will verify that sewage ejector unit ST-223 discharges to the sanitary sewer. One of the sampling locations will be near the discharge point of ST223.
3. The capacity, depth, and material of tank ST-225 will be determined.

Section 3.4.22

1. Will reduce the number of sampling locations at tank ST-227 from four to two, one of which will at the inflow point.
2. Sampling locations at ST-226 will be at the inflow and outflow points, and along the sides of the unit, not at the corners.

Section 3.4.23

Will reduce sampling locations at ST-228 from two to one, location determined on the basis of visual inspection.

Section 3.4.24

1. As stated in text, the inflow source(s) and discharge destination of sewage ejector unit ST-229 will be determined.
2. The dimensions of ST-229 will be determined.
3. Sampling locations will he as close as possible to the unit, and one sampling location will be near the discharge point.

Section 3.2.25

1. Construction material of oil/water separator ST-230 will be determined. Limestone gravel will be investigated to assure that the bottom of unit is impervious.
2. Sampling locations surrounding ST-231 and ST-232 will be near the inflow and outflow points, and along the sides of the units. Only one sampling location will be between the two units unless visual inspection indicates otherwise.
3. Sampling locations at oil/water separator ST-230 will be at the inflow and outflow points.

Section 3.4.26

The surface soil sample will be collected with a stainless steel scoop and handled as described in section 2.2.1.3 of the SAP.

Section 3.4.27

1. The four sampling locations at oil/water separator ST-234 will be along the sides with one at the inflow and one at the outflow points.
2. The number of sampling locations at oil/water separator ST-235 will be reduced to two which will be at the inflow and outflow points.
3. Repair records for oil/water separator ST-236 will be checked, and if the unit has not been repaired, it will be taken out of service immediately and repaired or permanently closed. The number of sampling locations will be increased from two to four, two of which will be at the inflow and outflow and the other two near the sides of the unit or where visual inspection indicates surface straining.
4. Sampling locations at area drain ST-237 will be located at the outflow and on the side opposite the outflow.

Section 3.4.28

The discharge destination of ST-239 will be verified. The number of sampling locations will be reduced to one near the discharge point.

Section 3.4.30

The number of sampling locations at oil/water separators ST-242 and ST-243 will be reduced from eight to seven along the sides of the units with one between the two units.

Section 3.4.31

1. The four sample locations at oil/water separator ST-244 will be along the sides of the unit. As stated, the inflow source and discharge destination will be determined.
2. The depth of burial and dimensions of tank ST-245 will be determined. The dimensions, once determined, may warrant keeping the two sampling locations indicated in the text.

Section 3.4.32

1. Details of the possible discharge(s) of oil/water separator and holding tank ST-246 will be determined.
2. Inflow source(s) will be determined for these units.

Section 3.4.34

1. Inflow source to oil/water separator ST-248 is directly from the rack. Discharge destination will be determined as stated in text.
2. Sample locations will be along the sides of the unit and at the discharge point(s).
3. The construction material of tank ST-249 and the depth of the tank will be determined.
4. The inflow source of tank ST-249 will be verified.
5. The sampling locations will be along the sides of tank ST-249.

Section 3.4.36

1. The purpose of the concrete pad with the four-inch brass plug will be determined.
2. The three sampling locations will be at the inflow and outflow of oil/water separator ST-251, and the third will be positioned on the basis of any observed staining, or to investigate the situation at the brass plug. If another sampling location is required to complete the investigation, it will be added.

Section 3.4.38

The four sampling locations will be along the sides of oil/water separator ST-254 access permitting.

Section 3.4.39

1. Area drain ST-259 will be taken out of service immediately and serviced. The four sampling locations will be at the outflow and along the sides of the unit where any staining is noted. Inflow is from the wash rack.

2. The four sampling locations at oil/water separator ST-260 will be at the inflow and outflow points, and along the sides of the unit or where surface staining is noted. The discharge destination will be determined as stated in the text.

Section 3.4.41

1. The drain feeding oil/water separator ST-262 will be inspected for cracks, leaks, or staining; and if observed, more sampling points will be located along the drain.
2. One of the four sampling locations at ST-262 will be at the inflow point and the others will be located along the sides of the unit or where staining is observed.

Section 3.4.42

1. The discharge destination(s) of oil/water separators ST-263 will be determined as stated in the text.
2. The sampling locations will be reduced from four to three at each unit. The sampling locations will be at the discharge points and along the north, east, and south sides of the units; or where staining is observed.

Section 3.4.45

1. The four sampling locations at area drain ST-266 will be at the sides of the unit with one at the outflow point. This being an area drain, there may be no inflow point, however, if one exists, it will be found and a sampling location will be positioned near it.
2. The depth and discharge destination will be determined.

Section 3.4.46

1. The four sampling locations at oil/water separator ST-267 will be at the outflow point, at any inflow point that might exist, and along the sides of the unit.
2. The depth and discharge destination will be determined as stated in the text.

JUN-16-93 WED 8:38 FAX NO. 8480403 P.02

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 6
1445 ROSS AVENUE, SUITE 1200
DALLAS, TX 75202-2733

cc: Griffith
Harry

rcd 15 June

JUN 8 1993

2B Work Plan approval from EPA

Thomas A. Morris, Colonel, USAF
Director
Environmental Management Division
377 ABW/EM
Kirtland AFB, NM 87117-5669

Re: RFI Stage 2B Work Plan
Kirtland Air Force Base
NM9570024423

Dear Colonel Morris:

The Environmental Protection Agency hereby approves your RCRA Facility Investigation (RFI) Stage 2B Work Plan with the enclosed modifications. The approved RFI Work Plan consists of the RFI Work Plan dated January 21, 1993, the May 13, 1993 Notice of Deficiency Response, and the enclosed modifications.

You shall immediately initiate the implementation of this approved RFI Work Plan, according to the project schedule contained in the Work Plan.

Should you have any questions, please contact Nancy Merlock of my staff at (214) 655-6450.

Sincerely,

Jack Davis

for Allyn M. Davis, Director
Hazardous Waste Management Division (6H)

Enclosure

cc: Benito Garcia, NMED
Bernalillo County/Kirtland Environmental Working Group

Printed on Recycled Paper

MODIFICATIONS

1. Section 3.4.4, Site 26, Nagsane Fire Training Area FT-14, p. 58-61, NOD Response Comment #3
Clarification: Background samples should be taken from the same stratigraphic layer as the study area samples, and not necessarily from exactly equal depths.

2. General Comments for Oil/Water Separators, NOD Response Comment #6
The testing of the pipes and lines leading to and from the oil/water separators may be deferred to the time of executing the Appendix III (Stage 2C) studies. However, Kirtland must provide details of the line testing program in their Appendix III (Stage 2C) Work Plan.

DEPARTMENT OF THE AIR FORCE
Headquarters 377th Air Base Wing (AFMC)

27 Sep 94

RECEIVED
SEP 27 1994
BROWN & ROOT ENVIRONMENTAL

MEMORANDUM FOR RECORD

FROM: 377 ABW/EMR

SUBJECT: Laboratory Validation for Stage 2B

1. On 26 Sep 94, I called Ms. Nancy Morlock, EPA Region 6, and requested her verbal approval to use Brown and Root's laboratory in Houston, Texas, for validation of Stage 2B laboratory data. Ms. Morlock approved this request.

2. I then called Ms. Karen Crandall of Halliburton NUS and told her to have Brown & Root's Houston laboratory perform the data validation. I strongly recommended Ms. Crandall closely monitor the validation process to verify correctness.

CHRISTOPHER B. DeWITT, R.P.G.
Acting Chief, Restoration Branch
Environmental Management Division

cc:
EPA (Ms. Morlock)
HNUS (Ms. Crandall)

Halliburton NUS CORPORATION

661 ANDERSEN DRIVE PITTSBURGH, PENNSYLVANIA 15220 (412) 921-7090

C-49-3-2-007

March 1, 1994

Halliburton NUS Project Number 0494

Mr. Rodney Arnold
AFCEE/ESR
8001 Inner Circle Drive
Suite 2
Brooks AFB, TX 78235-5289

Reference: Deliver Order No. 22

Subject: Analytical Methods

Dear Mr. Arnold:

On February 24, 1994, Rita Senko of the Albuquerque office contacted Mr. Burt Harrison of the Air Force Center for Environmental Excellence (AFCEE) regarding which Installation Restoration Program (IRP) Handbook to follow for the Stage 2B activities at Kirtland Air Force Base (AFB). Mr. Harrison stated that since the USGS initiated field activities using the 1991 Handbook that this version should be followed for the remaining Stage 2B activities. He indicated that for consistency, AFCEE generally recommended that the contractor use the earlier Handbook if the project was initiated with this version. He also indicated that the Quality Assurance Project Plan follows the 1991 Handbook. Mr. George Lee of AFCEE was subsequently contacted regarding this issue and was in agreement with Mr. Harrison.

Halliburton NUS would like to continue the Stage 2B fieldwork using the 1991 IRP Handbook. However, since no samples have been collected for the Stage 2C investigation, the laboratory analyses to be conducted for 2C will be implemented using the 1993 Handbook. If there are any questions, please feel free to contact me at (412) 921-8415.

Sincerely,

Roger A. Clark, Ph.D.

RAC/sic

cc: Kevin Walter
Rita Senko

MEMO

TO: Stage 2B Project File

FROM: Kevin Walter KW

DATE: 4 April 1994

SUBJECT: Use of Brass Sleeves for sample shipment

Halliburton NUS (HNUS) is currently conducting drilling and sampling activities at Kirtland AFB in support of the Stage 2B RCRA Facility Investigation. The Air Force Center for Environmental Excellence (AFCEE) approved method of drilling for this project is with the Geoprobe Coring system. This drilling method uses sample core barrels lined with 6-inch brass sleeves for collecting soil samples for laboratory analysis. The use of brass sleeves for collection, storage, and shipment of samples is a technical option according to the AFCEE Installation Restoration Program (IRP) guidance.

The purpose of this memo is to document that the use of brass sleeves as sample containers for sample shipment is a modification of what is presented in the EPA-approved Stage 2B Quality Assurance Project Plan, dated December, 1994. This plan states that only samples for volatile organic analyses will be shipped to the laboratory and stored in brass sleeves and that soil samples submitted for all other parameters will be placed in glass containers immediately after collection by extruding the samples in the field. As Ms. Nancy Morlock of USEPA discussed with Roger Clark and Kevin Walter of HNUS on March 31, 1994 on the telephone, field extrusion presents the technical problem of cross contamination of samples and possible volatilization of moisture and semivolatile constituents. To be consistent with the approved QAPP, HNUS is currently shipping all samples in the brass sleeves in which they were collected. Immediately upon receipt, the laboratory extrudes all samples (except for VOCs) from the brass sleeves and places the soil samples in glass containers. All non-VOC samples will then be stored and analyzed from the glass containers. Ms. Morlock verbally approved this procedure during the referenced telephone conversation with HNUS.

cc: M. Gradkowski
R. Senko
E. Agoston
R. Dimmick

Brown & Root Environmental

2300 Buena Vista S.E., Suite 110
Albuquerque, NM 87106

(505) 247-4933
FAX: (505) 247-8151

Mr. Christopher B. Dewitt, R.P.G.
Acting Chief, Restoration Branch
Environmental Management Division
HQ 377th ABW/EM
2000 Wyoming Blvd. SE
Kirtland AFB, New Mexico 87117-5659

September 28, 1994

ABQ-94-0051

RE: Interview with Dr. Jelle de Bour

Dear Mr. Dewitt:

As you requested in you letter of July 19, 1994, enclosed please find a telecon record of our phone interview of Dr. Jelle de Bour. As you are aware, Brown & Root Environmental spoke to Dr. de Bour concerning the RB-11 site being investigated under Stage 2D-1 of the base RCRA Facility Investigation.

Should you have any questions, please contact Mr. Cliff Jarman of our Albuquerque staff at 505-247-4933.

Sincerely,

Kevin J. Walter, P.E.

Encl.: Telecon Record

cc: R. Clark
A. Klimek
C. Jarman
M. Gradkowski
R. Arnold (AFCEE/ESR)

TELECON RECORD

With: Dr. Jelle de Boer Date: June 24, 1994

Participants: Cliff Jarman, Brian Hill, Lawson Bailey (Brown and Root Environmental)

Subject: Waste Operations at the Air Force Weapons Laboratory, Biophysics Branch, Radiobiology Laboratory

The participants introduced themselves to Dr. de Boer and asked him questions regarding the disposal practices at the Radiobiology Laboratory, Biophysics Branch, Air Force Weapons Laboratory. When questioned about the dimensions of the burial trenches at RB-11, Dr. de Boer was unable to remember any details and could not confirm the dimensions as reconstructed by the investigators.

Dr. de Boer was asked about the ratio of animals that were irradiated versus the animals that were injected with radioactive isotopes. Dr. de Boer replied that only ten dogs were ever injected with radioactive isotopes. He related that the only reason that those ten dogs were injected was that the Air Force specifically requested that the study be implemented. Dr. de Boer did not feel that the study was necessary and was against it. Dr. de Boer stated that the dogs were injected with long half-life isotopes in microcurie amounts. Isotopes of the elements cerium, cesium, strontium, yttrium, zirconium, and niobium were used.

When asked if he could guess in which trenches most of the dogs might be buried, Dr. de Boer stated that the study took place in the early years of operation and some of the dogs lived for a fairly long time. Therefore, he stated that the dogs' carcasses and their excreta would be spread throughout all the trenches.

When asked what the worst case could be if the drillers inadvertently drilled into one of the trenches, the doctor stated that there would only be a problem if one of the ten injected dogs' carcasses or their feces were hit. If that did happen, he said that it would be easy to detect as the long half-life isotopes that were used were strong gamma ray emitters.

Dr. de Boer reiterated his earlier testimony about the possible disposal of a barrel of mercury in the trenches. A visitor arrived at the lab driving a truck that was riding very low on its suspension. Hauling a single barrel in the back of the truck, the driver asked Dr. de Boer if he had any use for some mercury (i.e., the contents in the barrel). When Dr. de Boer told the driver that he didn't need the mercury, the driver asked if he could dispose of it in the open trench. Dr. de Boer then instructed the driver to get permission from the man running the trench. After that, the driver departed. Dr. de Boer did not see if the driver actually disposed of the mercury at the trench or departed the site with the mercury still on the truck.

Dr. de Boer discussed several topics in general during the course of the call. He stated that he was incredulous about the amount of attention being paid to the landfill at RB-11. He declared that compared to the things that DOE had been doing on the base and the wastes that DOE had buried, the landfill at RB-11 was totally innocuous. He also related that after the operations of the Radiobiology Laboratory ceased, he was assigned to be the "environmental expert" for Kirtland. He said that he had warned the Air Force authorities about the DOE operations but that his warnings seemed to be ignored.

Brown & Root Environmental

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FAX: (505) 247-8151

Mr. Christopher B. Dewitt, R.P.G.
Acting Chief, Restoration Branch
Environmental Management Division
HQ 377th ABW/EM
2000 Wyoming Blvd. SE
Kirtland AFB, New Mexico 87117-5659

September 28, 1994

ABQ-94-0052

RE: Use of background data for Stage 2B Draft RFI Report.

Dear Mr. Dewitt:

As you discussed on the telephone with Ross Dimmick of our Albuquerque staff, enclosed please find a memo to the file which discusses the methodology for the use of background data in Stage 2B. It is my understanding that Nancy Morelock of the EPA would like you to transmit this methodology the EPA prior to the submittal of the draft RFI Report for Stages 2B and 2D-1 on December 8, 1994.

Should you have any questions, please contact Ross Dimmick at 505-247-4933.

Sincerely,

Kevin J. Walter, P.E.

encl.: memo to file
background data

cc: R. Clark
A. Klimek
R.Dimmick
M. Gradkowski
R. Arnold (AFCEE/ESR)

TO: FILE 2A56 DATE: 28 SEPTEMBER 1994

FROM: ROSS A. DIMMICK COPIES:

SUBJECT: METHOD FOR ADDRESSING BACKGROUND CONCENTRATIONS OF METALS

This memo details a method for addressing background concentrations of metals for the Kirtland AFB Stage 2B RFI.

The Upper Tolerance Limit (UTL) method of calculating an upper level of background (Lieberman, 1958) is useful for comparison purposes; it acts as a benchmark to separate expected background concentrations from those that might be considered "high." All concentrations of metals will be compared to an UTL. The UTL will be calculated using all 60 background samples collected basewide rather than limiting the calculation to the site specific background. The basewide background approach was chosen because of the need for *at least* 3 samples to calculate an UTL, and the desire for at least 8 samples to calculate a meaningful UTL (USEPA, 1989). The disadvantage of combining all background samples is that spatial variability in the natural concentrations of metals may obscure "high" concentrations of metals due to contamination. For example, if natural concentrations of a particular metal are high in the north end of the base but low in the southern end, the calculated UTL could be too high to recognize potential contamination in sites at the southern end. Conversely, some sites at the northern end with concentrations above the UTL could be falsely identified as contaminated. Despite this disadvantage, the combination of background values is the best approach because:

- Vertical stratigraphic variability (including that resulting from excavation and fill during installation of oil/water separators and USTs) can make direct comparison between site-specific background samples and other boreholes at the site inconclusive.
- No consistent horizontal variability in background concentrations of metals has been identified.
- In general, characteristics of Stage 2B sites suggest that metals contamination would be accompanied by organic contamination. This reduces the likelihood that significant metals contamination would go undetected.

It must be recognized that in comparisons with the UTL, which is approximately the 95th percentile of the background concentration, about 5 percent of values can be expected to exceed UTL within the background or other non-contaminated samples. With more than 500 environmental samples and 10,000 individual analyses for metals, comparison with the UTL yields a significant number of "false positives." Concentrations exceeding UTL will be addressed using the site specific background, broader statistical measures of concentrations at a site (e.g., t-tests), or by using presence of organics as an indicator of potential metals contamination.

References:

USEPA, 1989, Statistical Analysis of Ground-Water Monitoring Data at RCRA Facilities, Interim Final Guidance. Office of Solid Waste, Waste Management Division.

Lieberman, Gerald J., 1958, "Tables for One-sided Statistical Tolerance Limits." *Industrial Quality Control*, v. XIV, no. 10.

DEPARTMENT OF THE AIR FORCE
HEADQUARTERS 377TH AIR BASE WING (AFMC)

11 March 1994

377 ABW/EM
2000 Wyoming Blvd SE
Kirtland AFB NM 87117-5669

Ms. Nancy Morlock, Environmental Engineer
RCRA Permits Branch
U.S. EPA Region 6
1445 Ross Avenue, Ste 1200
Dallas TX 75202-2733

Dear Ms. Morlock

In our 24 January 1994 correspondence to you, we requested a separate appendix (Appendix IV) be established with sites to be investigated using the same time schedule as Appendix II. These sites included Radioactive Waste Disposal Sites RB-7 (presently included in Appendix III) and RB-11 (presently included in Appendix II). Your agency responded via a 26 January 1994 letter, granting approval for the formation of Appendix IV to investigate these potentially radioactive sites. It was further agreed that the Stage 2D RFI report detailing the investigations of RB-11 and RB-7 would be submitted to the agency in draft final form by 31 December 1994.

Five emergency holding tanks located on Manzano Base are listed in the RCRA Permit as Areas of Concern (AOCs). These tanks, identified as RB-4, RB-5, RB-6, RB-8, and RB-9, were designed and constructed as holding tanks to collect potentially radioactive discharges in the event of an accident. Reportedly, these tanks were never used. In a 24 June 1993 letter, KAFB requested that, due to the tanks never being used for their intended purposes, they be removed from the permit. In your 7 February 1994 response, your agency determined that these five tanks should not be removed from the permit. Kirtland AFB therefore suggests these tanks be investigated as AOCs and added to the Appendix IV sites.

Your agency has accepted the Stage 2B Work Plan for RB-11; the Stage 2C Work Plan for RB-7 is presently being reviewed, with the RB-7 portion of the work plan receiving your informal approval. The schedule agreed upon for the submission of the RFI report for RB-11 and RB-7 is 31 December 1994. We suggest the five holding tanks be investigated on a separate schedule. If agreeable with your office, an Appendix IV Work Plan will be

generated by KAFB for a RFI to include RB-4, RB-5, RB-6, RB-8, and RB-9. This work plan will be submitted to your agency for review by 31 May 1994. For the purpose of maintaining a sequential order of documentation, we propose that the RFI report for sites RB-7 and RB-11 be designated 2D-1, and the RFI work plan and report for the holding tanks be designated 2D-2. The RFI report for the five holding tanks would be due 18 months following EPA's formal approval of the Stage 2D-2 Work Plan.

If you have any questions, please contact Mr. Chris DeWitt, (505) 846-2773/0053.

Sincerely

Thomas A. Norris

THOMAS A. NORRIS, Colonel, USAF
Director
Environmental Mgmt Division

cc:
AFCEE/ESR (Mr. Rod Arnold)
HQ AFMC/CEVR (Capt Anderson)
Halliburton NUS (Mr. Roger Clark)

J

Appendix J
Data from Previous Investigations

J.1 Installation Restoration Program Phase I: Historical Records Search

INSTALLATION RESTORATION PROGRAM, PHASE I: KIRTLAND AFB

Prepared for
United States Air Force
AFESC/DEV
Tyndall AFB, Florida

November, 1981

By
ENGINEERING-SCIENCE
57 Executive Park South, NE
Suite 590
Atlanta, Georgia 30329

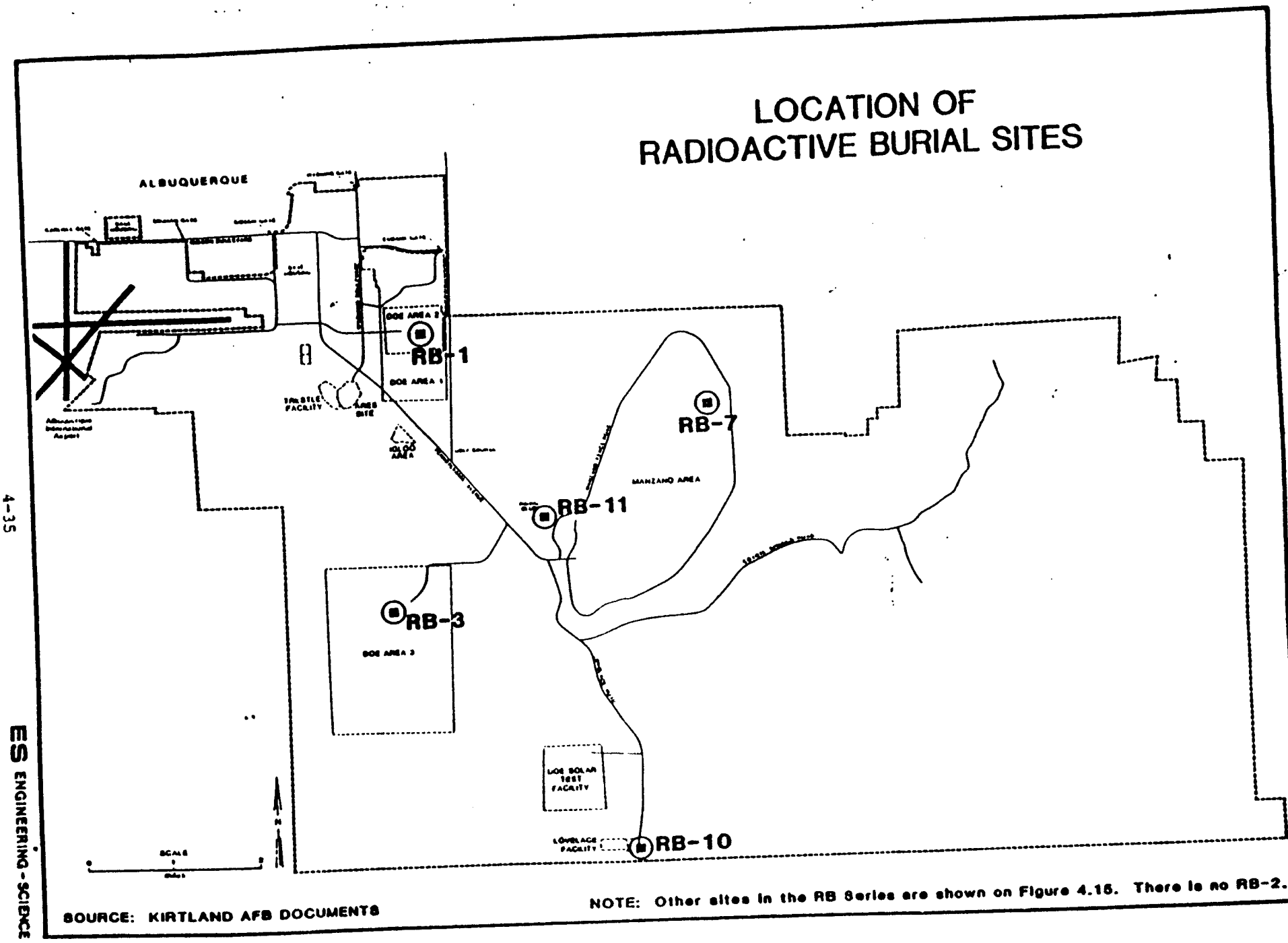
LOCATION OF
RADIOACTIVE BURIAL SITES
ALBUQUERQUE
RB-1
RB-7
RB-11
RB-3
RB-10
MANZANO AREA
SOURCE: KIRTLAND AFB DOCUMENTS
NOTE: Other sites in the RB Series are shown on Figure 4.15. There is no RB-2.

FIGURE 4.5

Figure 4.5 shows the location of radioactive landfill RB-7 in the northeast section of the Manzano Area. No records exist prior to July 1, 1959 pertaining to waste disposal at this site. From July 1, 1959 to December 31, 1963 a total of 449 cubic feet of radioactive waste, consisting of tuballoy and oralloy swipes, carrying case swipes, contaminated gloves, paper clothing, respiration discs, and dust was buried at this site. The disposal of low-level radioactive waste material was discontinued in 1963.

When the disposal site was in operation, the waste was buried in trenches in 15" by 15" by 8" cardboard boxes. Burial criteria required radiation of less than 200 mr/hr on any surface or 10 mr/hr at a distance of 1 foot from the surface of any material to be buried. After Waste disposed of from March 1959 December 1980 is included.
use, the site was backfilled, fenced, and marked with radiation warning signs. The site is presently within the boundaries of the Manzano Area, an area of controlled access.

Periodic surveys of the area have not detected increased radiation levels near the site. The most recent survey of the fenced area, perimeter, and downslope area did not detect radiation levels above natural background levels. The most recent survey was completed on June 8, 1980.

Landfill RB-10 is operated at the Lovelace facility for burial of radioactive contaminated animals (Figure 4.5). The landfill has only been operated during the last several years and consists of a trench and operation.

A radioactive landfill, shown on Figure 4.5 as site RB-11, was formerly operated by the Radiobiology Laboratory, Biophysics Branch, Air Force Weapons Laboratory (AFWL). In 1970, the research facility became part of the Environics Branch of the AFWL's Civil Engineering Research Division, and in 1974 the 40-acre site was turned over to the KAFB Riding Club, its present owner.

The RB-11 disposal site was open from about 1960 to 1971. No accurate records were kept on the amounts of wastes that were disposed of. The radioactive wastes consisted primarily of animal carcasses which had received doses of radioactivity, animal excreta, and contaminated solid wastes. Most of the radioactivity is in the form of induced

activity and short half-lived elements, but it is likely that several millicuries of elements with longer half-lives may be present. It is estimated that the following numbers of animals were disposed of at the site: sheep, 1000 to 1500; burros, 60 to 75; goats, 40 to 50; chickens, 100 to 120; rats, 500-1000; cows, 5 to 10; and dogs, 50 to 60. Some of the waste was buried in drums, and some was not. An undetermined amount of liquid waste was also disposed of, along with small amounts of hazardous and toxic chemicals, including acids, mercury, cyanides, and silver.

Six trenches were used for the disposal of wastes. Four of the trenches are approximately 50 feet long by 9 feet deep by 2 feet wide. The trenches are covered with approximately four feet of earth; two have an asphalt cover and the other two a compacted earth cover. Two more recent trenches are approximately 100 feet long by 20 feet deep by 6 feet wide. These trenches also have a four-foot earth cover. The site is marked with radiation warning signs but is not fenced. A radiation survey of the site was conducted during November and December 1974. No surface radiation levels were found at the site in excess of natural background levels.

Inasmuch as very little documentation of waste disposal activities is available prior to 1959, it is not certain that all radioactive waste disposal sites have been located. Certainly the major disposal sites have been identified in this report; other disposal sites, if any, are likely to contain smaller amounts of radioactive material. Recent aerial radioactive surveys of the base have identified only one other area that contains detectable levels of man-made radioactivity in addition to those already identified. This site is located approximately 1/2 mile south of Coyote Springs Road and 1/2 mile east of Lovelace Road.

Sanitary Landfills

Nine landfills which were not used for radioactive disposal were investigated as part of this project. The locations of the landfill sites identified are shown on Figure 4.8. Information about the landfills is summarized in Table 4.11 and discussed below.

Landfill No. 6 is presently being used for refuse disposal and is located east of DOE Area I. Landfill No. 6 is shown on Figure 4.9 and has an area of about 24 acres. The landfill is located on Air Force

J.2 Installation Restoration Program - Phase II, Stage I: Confirmation/Quantification

SAIC REPORT 2-827-06-351-33

FILE COPY

INSTALLATION RESTORATION PROGRAM

PHASE II - CONFIRMATION/QUANTIFICATION

STAGE 1

RB-11

KIRTLAND AFB
KIRTLAND AFB, NEW MEXICO 87117

PREPARED BY

SCIENCE APPLICATIONS INTERNATIONAL CORPORATION
505 MARQUETTE NW, SUITE 1200
ALBUQUERQUE, NEW MEXICO 87102

MARCH 1985

FINAL REPORT FROM FEB 1983 TO MAR 1985

APPROVED FOR PUBLIC RELEASE; DISTRIBUTION IS UNLIMITED

PREPARED FOR

HEADQUARTERS MILITARY AIRLIFT COMMAND
COMMAND SURGEON'S OFFICE (HQ MAC/SGPB)
BIOENVIRONMENTAL ENGINEERING DIVISION
SCOTT AIR FORCE BASE, ILLINOIS 62225-5001

UNITED STATES AIR FORCE
OCCUPATIONAL & ENVIRONMENTAL HEALTH LABORATORY (USAFOEHL)
TECHNICAL SERVICES DIVISION (TS)
BROOKS AIR FORCE BASE, TEXAS 78235-5001

1.2.5 Radioactive Burial Site Number 11 (RB-11)

RB-11 is located in the NE¼ sec. 16, T.9 N., R.4 E. This site is located entirely in the southeast quarter of the Riding Club area. The RB-11 site has no outstanding physiographic features and the sole expression of burial activities are trenching scars which show depleted vegetation. A small area in the southwest corner of the site has been designated as a burial site with signs posted and an asphalt cap covering two trenches. This existing designation does not adequately encompass all of the burial trenches and is incorrectly located on several existing KAFB maps. The site is relatively flat with elevations ranging from 5451 feet to 5459 feet. The RB-11 site is not crossed by any surface drainages. Arroyo del Coyote lies about 1400 feet southwest of RB-11. Plate I shows the RB-11 site relative to regional features and Figure 1.15 shows the details of the disposal site with the best available topographic control.

The depth to the water table in the vicinity of RB-11 is estimated to be 500 feet or more. The hydraulic gradient is to the northwest at over 25 feet per mile. KAFB well #9 (abandoned) is located about 2000 feet east-southeast of RB-11 with a reported initial water level of 550 ft, BGS (KAFB Records).

Aerial image analysis indicates there are at least nine trenches at the RB-11 site (Figure 1.14). DeBoer, who is presently the USAF Weapons Laboratory Environmental Coordinator, (1983, personal communication) indicated that these trenches were covered with as much as eight feet of earthen fill and that all trenching operations were conducted on an as-needed basis from about 1960 to 1971. The quantity and nature of waste materials, as reported by ESI (1981) were confirmed by Dr. DeBoer.

ESI (1981) has given an accounting of the history and nature of the RB-11 operations on pages 4-41 and 4-42 of their Phase I report:

> The radioactive wastes consited primarily of animal carcasses which had received doses of radioactivity, animal excreta, and contaminated solid wastes. Most of the radioactivity is in the form of induced activity and short half-lived elements, but it is likely that several millicuries of elements with longer half-

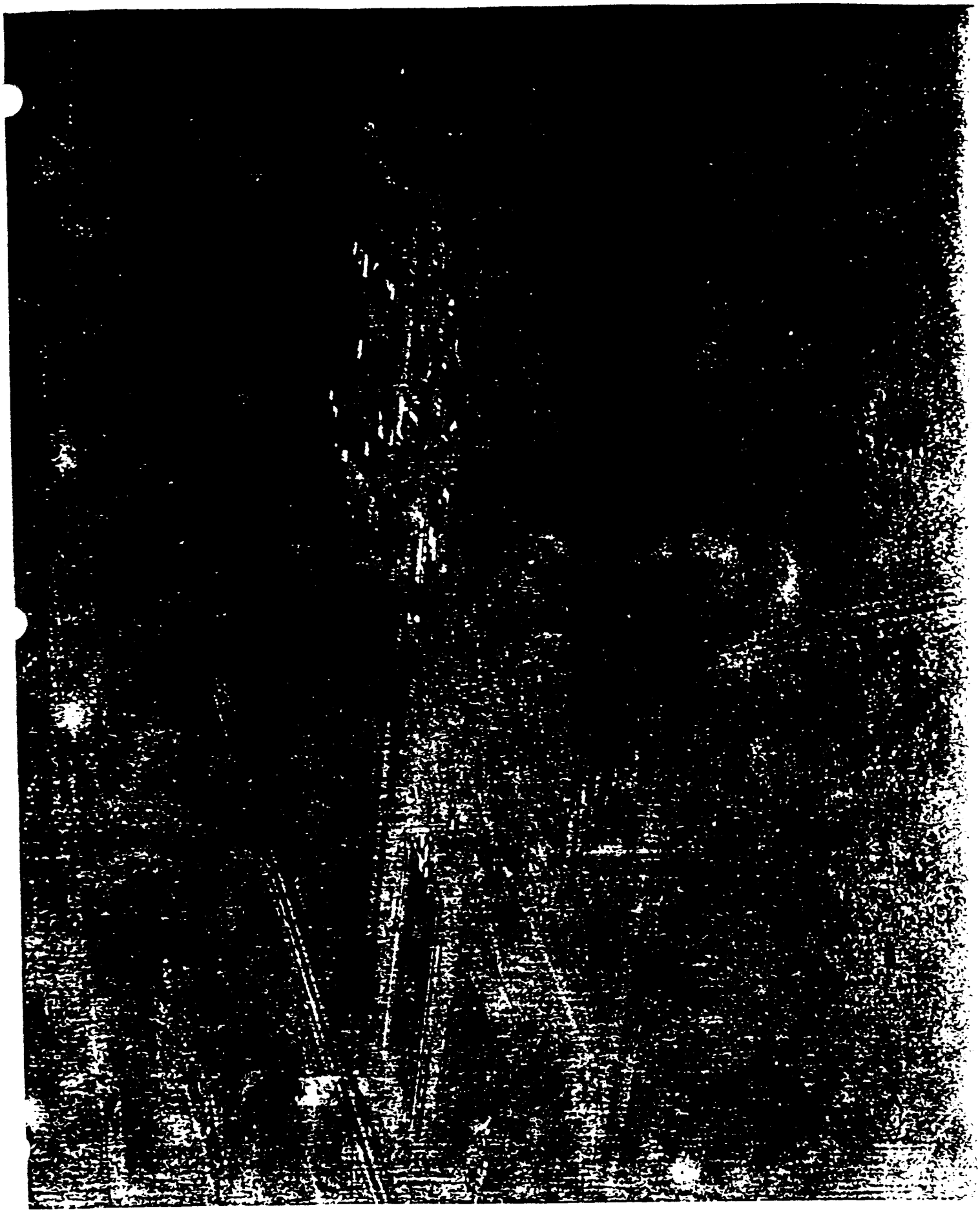

Figure 1.14 Radioactive Burial Site (RB-11)

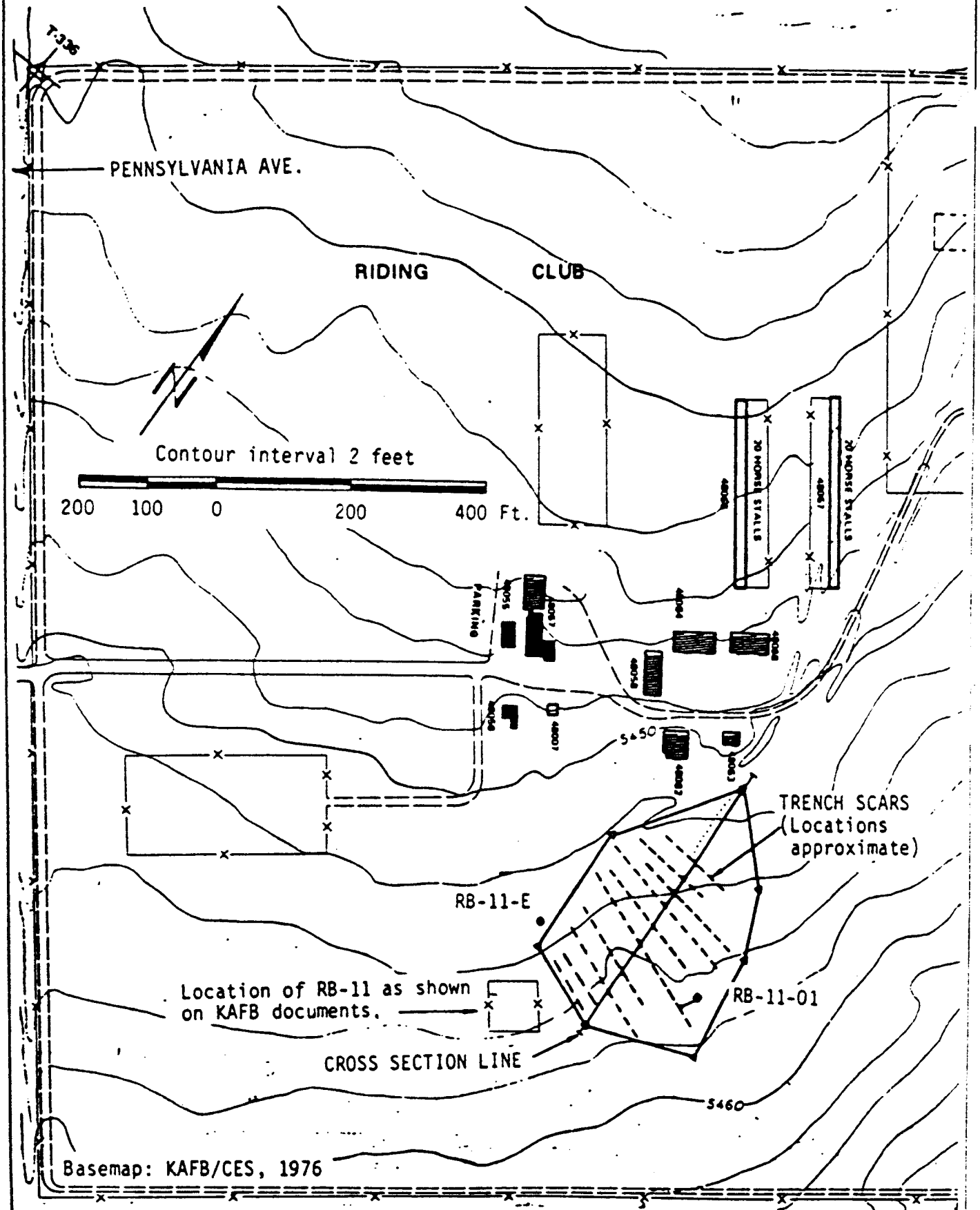

Figure 1.15 RADIOACTIVE BURIAL SITE NO. 11 (RB-11)

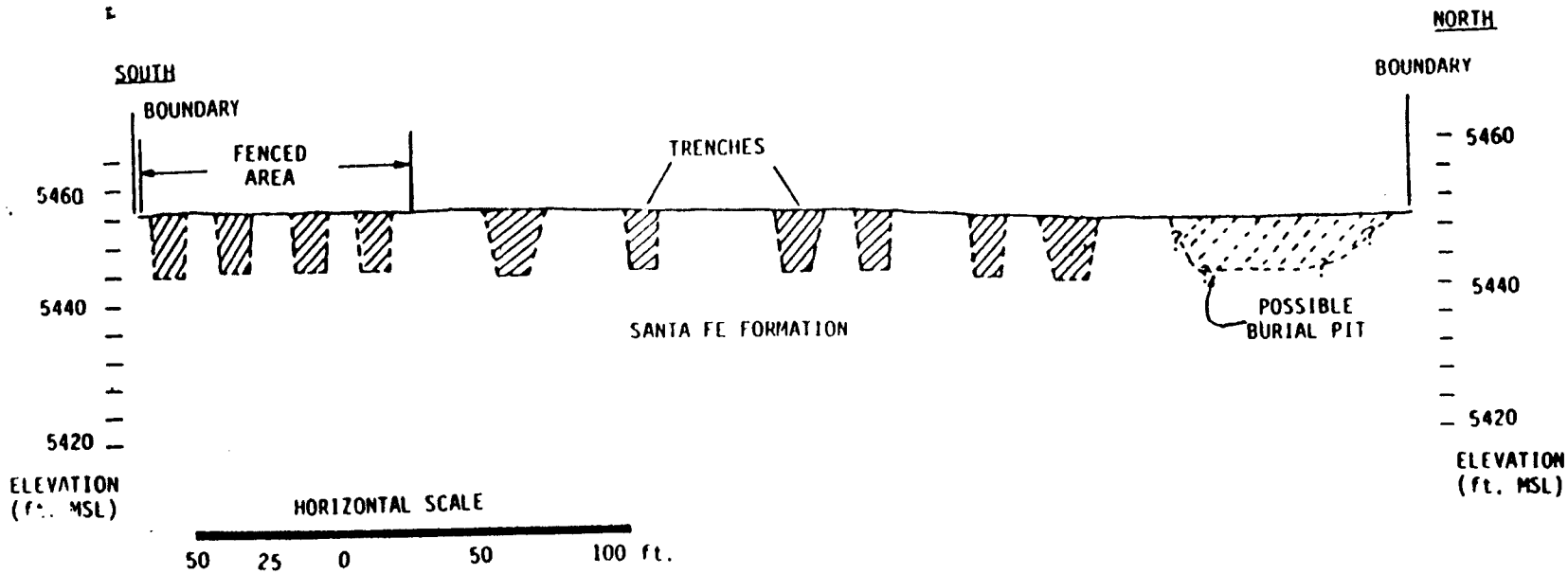

Figure 1.16 Radioactive Burial Site (RB-11)

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lives may be present. It is estmated that the following numbers of animals were disposed of at the site: sheep, 1000 to 1500; burros, 60 to 75; goats, 40 to 50; chickens, 100 to 120; rats, 500-1000; cows, 4 to 10; and dogs, 40 to 60. Some of the waste was buried in drums, and some was not. An undetermined amount of liquid waste was also disposed of, along with small amounts of hazardous and toxic chemcicals, including acids, mercury, cyanides, and silver.

1.2.6 Fire Control Training Area (FTA)

The fire control training area (FTA) is located in the NW¼ sec. 2, T.9 N., R.3 E. This site is defined by a graded area with a radius of about 200 feet and lies about 600 feet southwest of the FAA Control Tower. The elevation of the FTA is about 5313 feet. Figure 1.18 shows the FTA and vicinity with the best available topographic control and Figure 1.19 shows the major features of the FTA. The steep slopes southwest of the FTA pad are made of asphaltic hardfill. This asphaltic material was not encountered during drilling and sampling efforts.

The depth to the water table in the vicinity of the FTA is 400 feet (4895 ft MSL). The hydraulic gradient is to the north at 6 to 7 feet per mile. There are no water supply wells within one mile of the FTA site.

In the center of the graded area is a steel mock-up of an aircraft on a circular cement pad which is about 65 feet in diameter (Figure 1.17). A fuel storage tank is located southeast of the graded area and feeds a sprinkler system under the pad during training exercises. After an exercise, residual liquids (JP-4 and, AFFF Foam and water) are allowed to evaporate. A drain system extends from the east side of the pad to the open storm drain 300 feet away. Wozniak (1983, personal communication) indicated that the drain had not been used during his assignment to Kirtland AFB.

In addition to the mock-up pad, there are two features in the graded area that have been used in the past for training exercises. These areas are designated as the "rectangular pit" and the "circular pit" on Figure 4. Wozniak (1983, personal communication) indicated that flammable materials of varied and unknown composition were placed in the pits and ignited to simulate structural fire conditions. They have since been filled with soil and were not investigated.

used in the construction of DM-01. The backfill schedule consisted of #10-20 washed silica sand placed at depths from 409-475 ft, BGS a bentonite seal was placed at depths from 406-409 ft and natural materials at depths from 0 to 406 ft. Placement depths for the backfill materials were verified with a 500-foot long 0.50-inch tremmie pipe. The well was completed with an 8-inch locking steel cap set in a concrete pad. Prior to installation of the casing and backfill materials, the drilling mud in the mud pits and borehole was removed and replaced with clear, KAFB production well water. Drilling activities at DM-01 were completed on 30 December 1983.

On 3 January 1984 drilling activities were initiated at the DM-02 site. DM-02 was drilled to a depth of 450 ft with a Gardner-Denver 1000 drill rig using the same 8.75 inch retipped soft-formation tricone bit used at DM-01. The drilling fluid used was Baroid "Quick Gel"$_{TM}$ bentonite drilling mud mixed with KAFB production well water. This drilling fluid was mixed on an as-needed basis from 0 to 450 ft BGS. DM-02 was cased to a depth of 438 ft with 5.5-inch OD, threaded schedile 40 PVC. The interval from 378 to 428 ft was screened with 0.020-inch slot, threaded PVC screen. No solvents or glues were used in the construciton of DM-02. THe backfill schedule consisted of #10-20 washed silica sand placed from a depth of 370 to 450 ft a bentonite pellet seal placed from a depth 367-370 ft, and natural materials from 0 to 367 ft. Placement depths for the backfill materials were verifeid with the aformetioned tremmie pipe. The well was completed with an 8-inch diameter locking steel cap set in a concrete pad. Prior to installation of the casing and backfill materials, the drilling mud in the borehole and mud pits was flushed out and replaced with clear KAFB production well water. Drilling activites at DM-02 were completed on 10 January 1984.

3.2.8 LYSIMETER INSTALLATIONS

ESI,' in their Phase I report, recommended that lysimeters be installed at the periphery of each landfill in order to monitor the soil moisture-contained contaminants in the unsaturated (vadose) zone directly beneath the sites. This recommendation was based on the high priority ranking given to the subject landfills and more importantly, because of the relatively large vertical depth to ground water in the area. It was felt the likelihood of detecting possible

contaminant migration from the landfill sites would be considerably greater by monitoring the vadose zone directly beneath the sites than by sampling the ground water at depth. Figure 3.1 shows a schematic diagram of lysimeter installations used at KAFB.

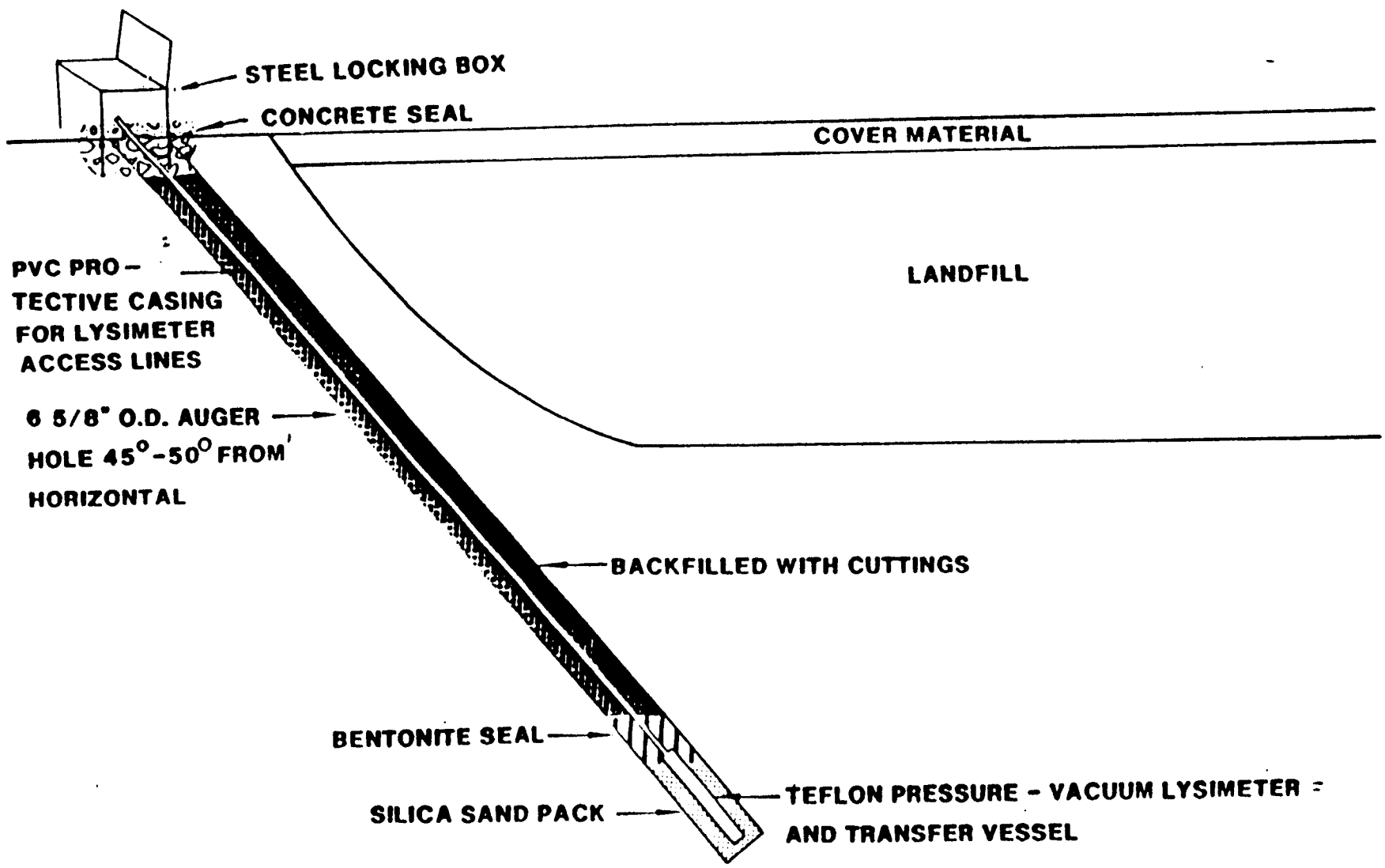
In general, a lysimeter is a device used to withdraw liquid samples from unsaturated, permiable media. The withdrawal of liquids is typically accomplished by the application of vacuum pressures to the lysimeter. Once in the lysimeter assembly, the liquid is lifted to the surface (through dedicated tubing) by positive pressure application. In the past, lysimeters have been typically used by soil scientists and agronomists to investigate shallow (less than 10 feet) soil moisture conditions. Installation depths over 30 feet are considered very deep. The needs of the KAFB IRP (50-60 foot setting depths at 45-50^{0} angles) necessitated the use of a modified version of the standard lysimeter.

The lysimeter assemblies installed at KAFB are characterized as modified, deep-sampling, Teflon$_{TM}$ lysimeters. These assemblies consist of three major components-a porous cup section (to which the vacuum pressure is applied and where liquids enter the samples), a non-porous section, isolated from but in the same unit as the porous cup (for preliminary sample lift) and a transfer vessel (entirely non-porous- used to contain liquids from the preliminary sample lift as well as the positive pressure required to ultimately lift the sample to the surface). A ball-check valve, modified to function at an angle of 45^{0} to 50^{0} isolates the porous cup from the non-porous sections. Liquid samples are lifted to the surface via semi-rigid Teflon$_{TM}$ tubing enclosed in a PVC shroud. All materials contacting the liquid sample are made of Teflon to insure uncontaminated samples. No solvents or glues were used in the lysimeter assemblies.

The lysimeter assemblies were installed as follows:

1. Drill angled hole to targe depth with hollow-stem auger. Ultimate placement point determined by the materials encountered.

2. Drill an additional 2 to 2.5 feet to accommodate that part of the lysimeter assembly below the porous cup.



NOT TO SCALE

From: FM Fox, 1984

SCIENCE APPLICATIONS, INC.

3. Attach the sample line shroud to pre-assembled, pre-washed lysimeter. The shroud is assembled with rivets only (no glues or solvents)

4. Lower complete lysimeter into position

5. Place sand pack around porous cup. The placement was accomplished with a 3/8-inch ID tremmie pipe and sand blaster. The sand pack was placed dry and placement depths were verified with the tremmie pipe.

6. Apply approximately two gallons of distilled water to settle sand pack and establish capillary connection with native soil moisture

7. Install approximately one foot of powdered bentonite and activiate seal with one gallon of distilled water.

8. Verify functional status of installled assembly (by application of positive pressure to all lines and monitoring of pressure decay).

9. Backfill borehole to surface with natural materials.

10. Install locking steel cover and set in cement.

The details of sample acquisition from the lysimeter assemblies are presented in Appendix F.

On 1 February 1984, drilling was initiated at LF-03 and proceeded through sites RB-11, LF-04, LF-02 and LF-01. The lysimeters were installed by 13 February 1984. Appendix I contains the materials logs and completion data for the seven lysimeters.

During the drilling of the seven lysimeter boreholes, some of the following problems were encountered:

- The hollow stem auger tended to drift from the initial angle of 45^{0} to 50 degrees from horizontal to a flatter trajectory when encountering gravels and cobbles. This necessitated the abandonment of several borings, when the auger drifted above the target depths.

- Retrieval of the split spoon soil sampler was difficult due to the curvature of the hollow stem auger described above.

- Recovery of the auger after lysimeter emplacemnt was also complicated due to the curved nature of the borehole. This problem caused the breakage of the first lysimeter installed at LF-03 which was replaced and tested on 8 and 9 June 1984.

Section 3.4 describes the methods that were used to log and collect soil samples from the lysimeter borings. These soil samples were collected and archived (sealed, labeled in triplicate and frozen) so that they could be selectively analysed if the lysimeters did not produce sufficient liquid sample.

On 3 April 1984 SAI initiated the lysimeter performance monitoring as described in Appendix E. At the outset of the lysimeter testing, it became apparent that the lysimeters would not sustain a vacuum by means of a hand pump which was supplied by the manufacturer. Instead, SAI utilized a portable battery powered vacuum pump, which was capable of sustaining approximately 14" to 16" of mercury of vacuum pressure. Repeated applications of these vacuum ranges for periods up to eighteen hours did not yield soil moisture samples.

On 11 April 1984 SAI elected to cease further lysimeter monitoring and chose to analyse the previously archived soil samples which were collected during the lysimeter borehole drilling. The soil samples collected at depths closest to the depth of lysimeter emplacement were submitted to JRB's subcontracted laboratory - Environmental Research Group in Ann Arbor, Michigan. Results of these analyses are given in Appendix G.

3.2.9 FIELD SURVEY OF LANDFILL BOUNDARIES AND BOREHOLE LOCATIONS

In order for KAFB to plan for future activities with regard to the landfills investigated under this study, a permanent record of the location of the fill boundaries was needed. In order to accomplish this task, SAI, in cooperation with Scanlon and Associates, surveyed and mapped the location of the landfill lateral extents and borehole locations. The plan view surveys of the five landfills and the FTA are included in Appendix H. Boundary closures are not indicated for Landfills 2 and 4 because field staking efforts were keyed to major landmarks, namely the Tijeras Arroyo active channel (in the case of LF-02) and on a fence line defining the active landfill (in the case of LF-04). All landfill boundaries were marked with No. 4 rebar (a steel rod approx. 0.7 in. diameter by 2 feet long) with red plastic caps and have been located with reference to permanent base benchmarks and the base grid system. At the FTA, boreholes FTA-02 through FTA-09 were marked with florescent orange stakes, FTA-10 was marked with a stainless steel "gin gear", and FTA-01 with a rebar and

cap. The location of the landfill boundaries were established based on geophysical survey results, aerial photo review, on-site reconnaissance, air reconnaissance, and discussion with base personnel. The locations were field staked by SAI and Fox and Associates prior to surveying by Scanlon and Associates.

3.3 FIELD INSTRUMENTATION AND EQUIPMENT

The field instrumentation and equipment used during Phase IIB consisted of the following items:

(1) The seismic refraction survey was performed with a 12 channel Geometric Numbus seismograph using either a one-half of one pound kinepac explosive as an energy source exept RB-11 where 12 pound sledge hammer was used due to the shallow trench depths and short line lengths.

(2) The vertical soil borings for the initial 100-foot boreholes and FTA investigations were drilled with a CME-55 truck mounted drill rig using 6-inch hollowstem continuous flight power auger. The holes were advanced to the target depth and samples were taken at changes of material or at a maximum of 10 foot inervals. The samples were collected using a modified California Sampler driven by a 140 pound hammer.

(3) The ground-water monitoring wells were installed with a Gardner-Denver 1000 drill rig using an 8¼-inch retipped soft formation drill bit and standard circulation of bentonite drilling mud.

(4) The ground-water well monitoring required the use of a Powers, Co. Well Sounder$_{TM}$, a 500-foot, two wire electric tape for water level determination and a Chemtrix Type 700 conductivity bridge for water quality indications during water sample acquisition.

(5) The lysimeter assemblies were installed using a CME-55 truck-mounted drill rig, factory-modified to perform slanted borings. The lysimeter

Radioactive Burial Site Number 11 (RB-11)

Additional sampling should be conducted at this site. This sampling effort should address the acquisition of background geochemical data and specific, known trench sites. It is recommended that drilling be performed between the trenches and sampling be directed at the first thirty feet below the trench bottoms. This sampling will require the full personal protection as described above. A minimum of three boreholes should be installed. The analates for this sampling effort should be expanded to include alpha, beta and gamma activity, cyanide, mercury and silver.

Fire Control Training Area (FTA)

Three general actions are recommended for this site and include pad modifications, fuel consumption monitoring and acquisition of additional geochemical data. Of first priority is the acquisition of additional geochemical data to define the lower limits of contamination. This effort should consist of one borehole, 50 feet deep, that penetrates the central portion of the cement pad. Soil sampling should be performed at 10-foot intervals. Standard, non-hazardous drilling safety plan should be adequate.

The second priority recommendation is to monitor fuel consumption. This can be achieved by documenting fuel usage and performing and documenting pressure checks of the fuel tanks and sprinkler system.

The third priority recommendation is to modify the existing cement pad area by: (1) resealing the entire cement pad with materials imperious to heat and petrolium products, (2) provide a larger (taller) berm around the cement pad and (3) plug or remove the pad drain system (to prevent the release of fuel and fire fighting foam to the drainage ditch to the east).

in excess of this standard. There are no specific standards for halogenated organics.

Background levels for these parameters are not comparable. The two DM wells were completed in the upper fifty feet of the saturated zone of the ground water beneath KAFB and there are no wells for which water quality data were available in an upgradient (SE) direction. However, upon examination of the chemical quality of samples collected from the KAFB production wells (see Appendix D), the two DM well samples do not show nitrate levels above those levels reported for these wells nor are the organic halogens excessive. The validity of the DM monitor well data is qualified even though these two wells showed stabilized specific conductance and suspended solids production at the time of sampling. The wells were pumped and bailed only a limited amount (1000 gallons) prior to sampling. Approximately 3500 gallons of fresh (KAFB production well) water was circulated through each well to remove cuttings and drilling mud prior to development, casing, bailing, and pumping. An unknown volume of this water entered the formation. Thus, these data from the DM monitor wells should be considered only as preliminary data only, and should be supplemented by future pumping and subsequent sampling.

Soil from the lysimeter samples collected from the lysimeter borings were analysed for total organic halogens, selected pesticides, oil and grease, and selected inorganics. Soil samples were submitted for analyses in leiu of soil moisture (water) samples from the vacuum lysimeters. Each sample submitted for analysis, was selected from the archived samples and was from as close to the zone of lysimeter placement depths as possible. With the exception of one sample (LF-01-02 which showed oil and grease at less than 200 mg/kg-detectable but at a concentration below quantifiable detection limit), all samples showed no organic halogens, oil and grease, or pesticides. Inorganic analyses for lead, sodium and iron (plus mercury and silver for RB-11) were based on whole sample digestion, and are thus not directly amenable to interpretation for contaminant identification. These samples were inadvertantly analysed for total sample concentrations as opposed to the originally requested water extractable concentrations and there are no applicable state or federal standards for total sample concentrations.

ATTACHMENT 1

Analytical Parameters

Parameter (In Soils)	Landfill No. 1	2	3	4	RB-11	FTA	QA**	Total
TOX	2	2	1	1	1	30	5	42
Oils and Greases	2	2	1	1	1	30	5	42
Lead	2	2	1	1	1		1	8
Silver					1			1
Mercury					1			1
Sodium	2	2	1	1	1		1	8
Iron	2	2	1	1	1		1	8
Pesticides*	2	2	1	1	1		1	8
Parameter (In Water)***								
TOC								2
TOX								2
NO_3								2

Sampling, holding time and preservation methods for samples shall strictly comply with the following references: Standard Methods for the Examination of Water and Wastewater, 15th Ed. (1980), pp 35-42; ASTM, Part 31, pp 72-82, (1976), Method D-3370; and Methods for Chemical Analysis of Waters and Wastes, EPA Manual 600/4-79-020, pp xiii to xix, (1979). Minimum detection limits for analyses are shown in Attachment 2.

*Pesticide scan for 2,4-D, 2,4,5-T, DDT isomers, aldrin, lindane, dieldrin methoxychlor, methoxychlor epoxide.

**QA indicates number of samples for field QA/QC.

***Water samples include one sample per well (two wells total).

Table 4.3 SUMMARY OF LYSIMETER ANALYSES

1) Parameter \ Landfill	LF01-01	4) LF01-02-A	4) LF01-02-B	LF02-01	LF02-02	LF03-01	LF04-02	MB11-01	Detection Limit
2) Depth	62 ft.	49 ft.	49 ft.	62 ft.	42 ft.	58 ft.	58 ft.	53 ft.	NA
Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	NA
Haloscan (TOX)									
Organic Chloride	ND[6]	ND	ND	ND	ND	ND	ND	ND	0.2 mg/Kg
Organic Bromide	ND	ND	ND	ND	ND	ND	ND	ND	0.05 mg/Kg
Organic Iodide	ND	ND	ND	ND	ND	ND	ND	ND	0.02 mg/Kg
Oil and Grease (by IR)	< 200	ND	ND	ND	ND	ND	ND	ND	200. mg/Kg
5) Lead, Total	8.	3.	< 3.	ND	ND	ND	5.	ND	3. mg/Kg
5) Sodium, Total	380.	180.	110.	60.	72.	68.	1200.	660.	
5) Iron, Total	22000.	26000.	22000.	44000.	86000.	9300.	28000.	18000.	
5) Mercury, Total	NA	NA	NA	NA	NA	NA	NA	< 0.1	
5) Silver, Total	NA	NA	NA	NA	NA	NA	NA	< 0.8	
2,4-D	ND	ND	ND	ND	ND	ND	ND	ND	0.010 mg/Kg
DDT, p, p'-	ND	ND	ND	ND	ND	ND	ND	ND	0.010 mg/Kg
DDE, p, p'-	ND	ND	ND	ND	ND	ND	ND	ND	0.010 mg/Kg
DDD, p, p'-	ND	ND	ND	ND	ND	ND	ND	ND	0.010 mg/Kg
3) Dieldrin	ND	ND	ND	ND	ND	ND	ND	ND	0.50 mg/Kg
Aldrin	ND	ND	ND	ND	ND	ND	ND	ND	0.010 mg/Kg
Lindane	ND	ND	ND	ND	ND	ND	ND	ND	0.010 mg/Kg
Methoxychlor	ND	ND	ND	ND	ND	ND	ND	ND	0.050 mg/Kg
Heptachlor Epoxide	ND	ND	ND	ND	ND	ND	ND	ND	0.010 mg/Kg
2,4,5-T	ND	ND	ND	ND	ND	ND	ND	ND	0.0050 mg/Kg
Moisture	14%	12%	13%	2%	2%	3%	5%	5%	NA

1) All parameters reported in mg/Kg unless otherwise noted.
2) Drilled length, at 50° angle from horizontal, measured from surface.
3) Higher detection limit due to matrix interference (ERG Comment).
4) Duplicate analysis run on LF02-02-49.
5) Whole rock hydrofluoric digestion instead of aquesus wash.
6) ND = Not Detected, NA = Not Applicable to sample set. < = Positive result but unquantifiable. Concentration below indicated level

SUMMARY OF LABORATORY SOIL DATA
RB-11

TEST HOLE	DEPTH OF SAMPLE (FT)	NATURAL DRY DENSITY (pcf)	NATURAL MOISTURE CONTENT (%)	ATTERBERG LIMITS LL	PI	Sieve Analysis % Passing No. 4	No. 10	No. 40	No. 80	No. 200	SOIL DESCRIPTION	REMARKS
RB-11	5	94	7.4	-	-	100	100	98	95	76	sandy SILT ML	
RB-11	10	123	1.2	NV	NP	-	-	-	-	-	sandy SILT ML	
RB-11	25	104	9.5	33	13	-	-	-	-	-	CLAY	
RB-11	30	114	2.1	-	-	81	61	43	37	21	silty SAND SM	
RB-11	40	96	5.0	-	-	100	97	92	87	46	very silty SAND SM-ML	
RB-11	50	115	3.9	-	-	92	84	71	65	32	silty SAND SM	
RB-11	60	107	3.8	-	-	94	86	71	60	32	silty SAND SM	
RB-11	70	103	3.8	-	-	98	91	70	57	35	silty SAND SM	
RB-11	80	127	3.3	-	-	92	91	70	57	35	silty SAND SM	
RB-11	90	97	8.2	2.3	NP	-	-	-	-	-	sandy SILT	

LEGEND

EXPLORATION TEST HOLE
(Completed June 1983)

SEISMIC LINE LOCATION

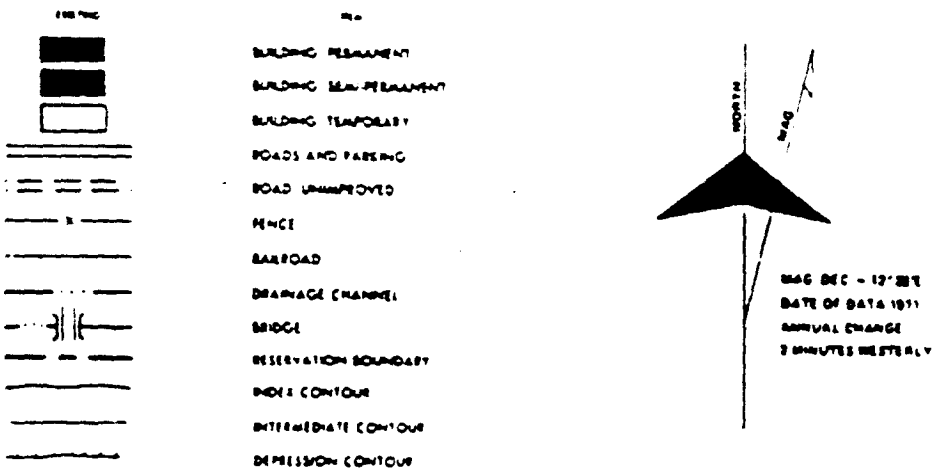
LANDFILL BOUNDARY
(Tentative Location June 1983)

PROPOSED DEDICATED MONITOR WELL

PROPOSED LYSIMETER and BEARING

LANDFILL BOUNDARY FROM PREVIOUS INVESTIGATIONS

SANITARY SEWER LINE BOREHOLE
(Molzen-Corbin & Assoc.,1977)



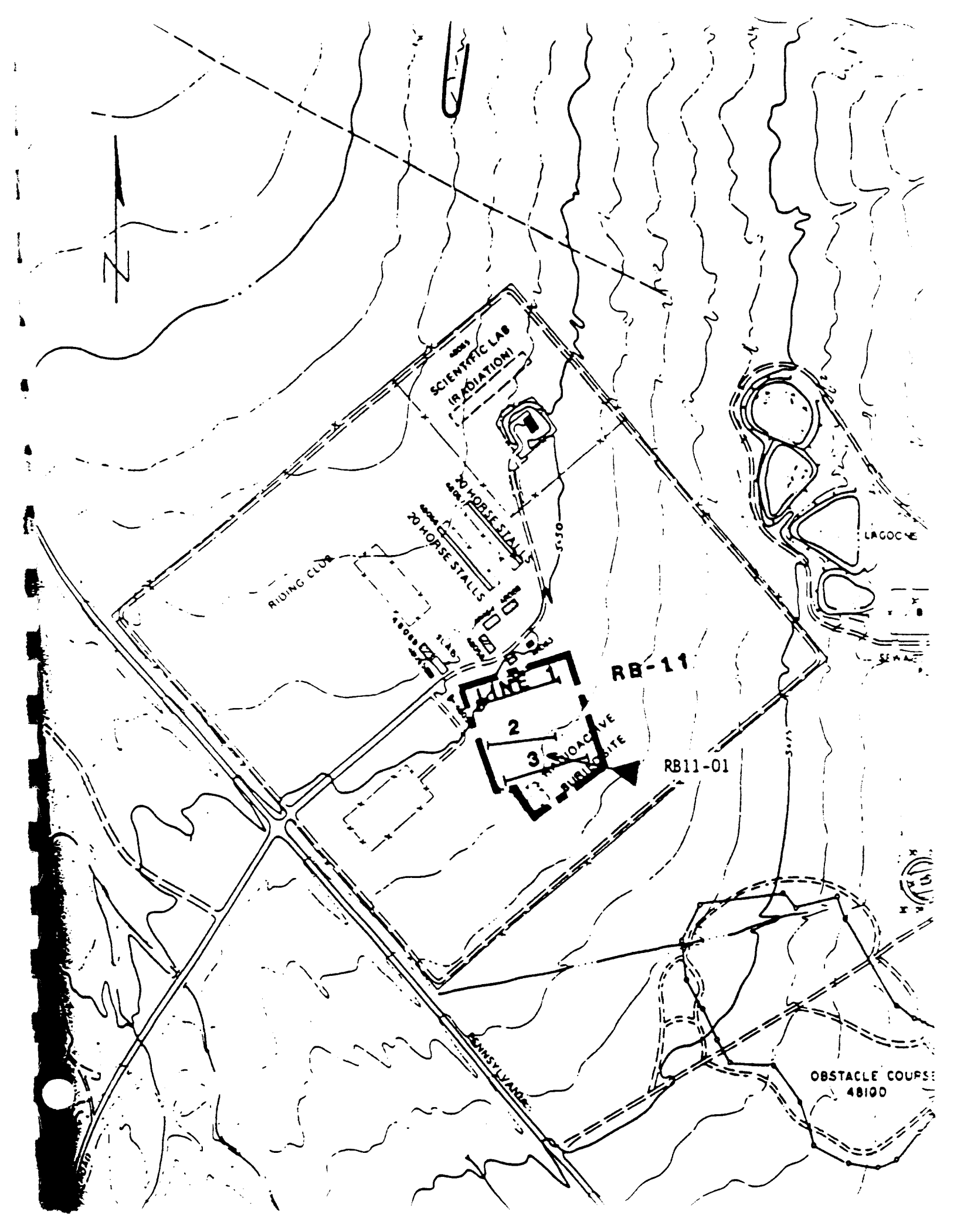
400 200 0 400 800 1200

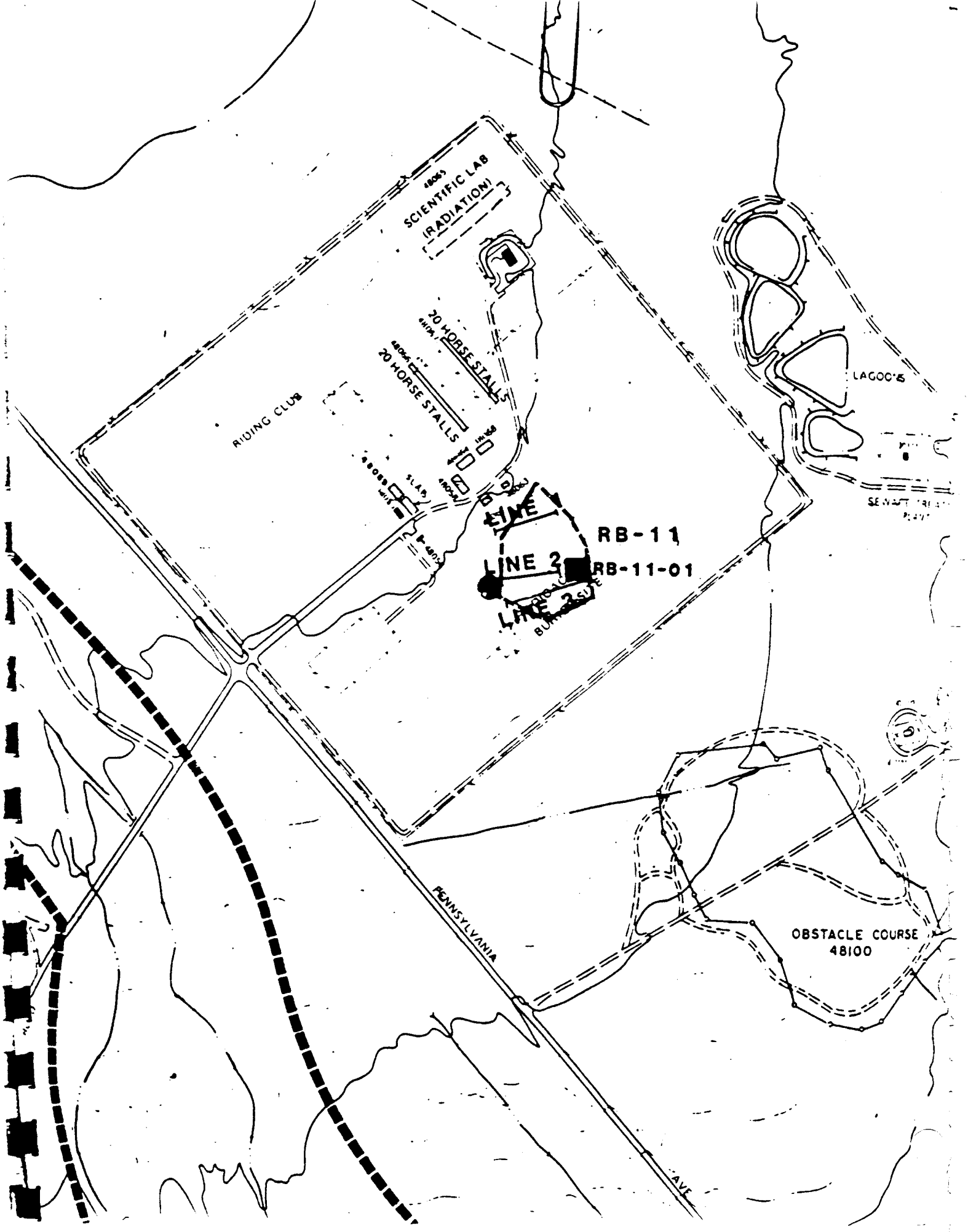
SCALE IN FEET

CONTOUR INTERVAL 5 AND 10 FEET

AIRFIELD ELEVATION 5352' R/W 26

Attachment 4


SCIENTIFIC LAB
(RADIATION)
20 HORSE STALLS
20 HORSE STALLS
RIDING CLUB
RB-11
2
3
RB11-01
LAGOON
OBSTACLE COURSE
48100


SCIENTIFIC LAB
(RADIATION)
20 HORSE STALLS
20 HORSE STALLS
RIDING CLUB
LAGOON
LINE 1
LINE 2
LINE 3
RB-11
RB-11-01
PENNSYLVANIA
OBSTACLE COURSE
48100
AVE

LEGEND

SAND, coarse to fine-grained, silty, trace gravel, medium dense to dense, slightly moist to moist, some calcareous, light brown to brown (SM)

SAND, medium to fine-grained, clean to slightly silty, trace gravel, loose to medium dense to dense, slightly moist to moist, light brown to brown (SP, SW)

SAND, very silty to SILT, very sandy, fine-grained, loose to medium dense, some calcareous, slightly moist to moist, brown (SM-ML)

SAND, fine-grained, very clayey to CLAY, very sandy, some trace gravel, medium dense to dense, medium moist to very moist, calcareous, light brown to brown (SC-CL)

CLAY, soft to stiff to hard, dry to moist, brown, gray (CL)

SILT, fine-grained, slightly sandy, very stiff to hard, slightly calcareous to calcareous, slightly moist to moist, light brown (ML)

SAND, medium to fine-grained, slightly silty to clean, medium dense to dense, dry to slightly moist, light brown to brown (SP-SM, SW-SM)

SAND AND GRAVEL, medium to fine-grained, silty, dense, dry to slightly moist, gray-brown (SM-GM)

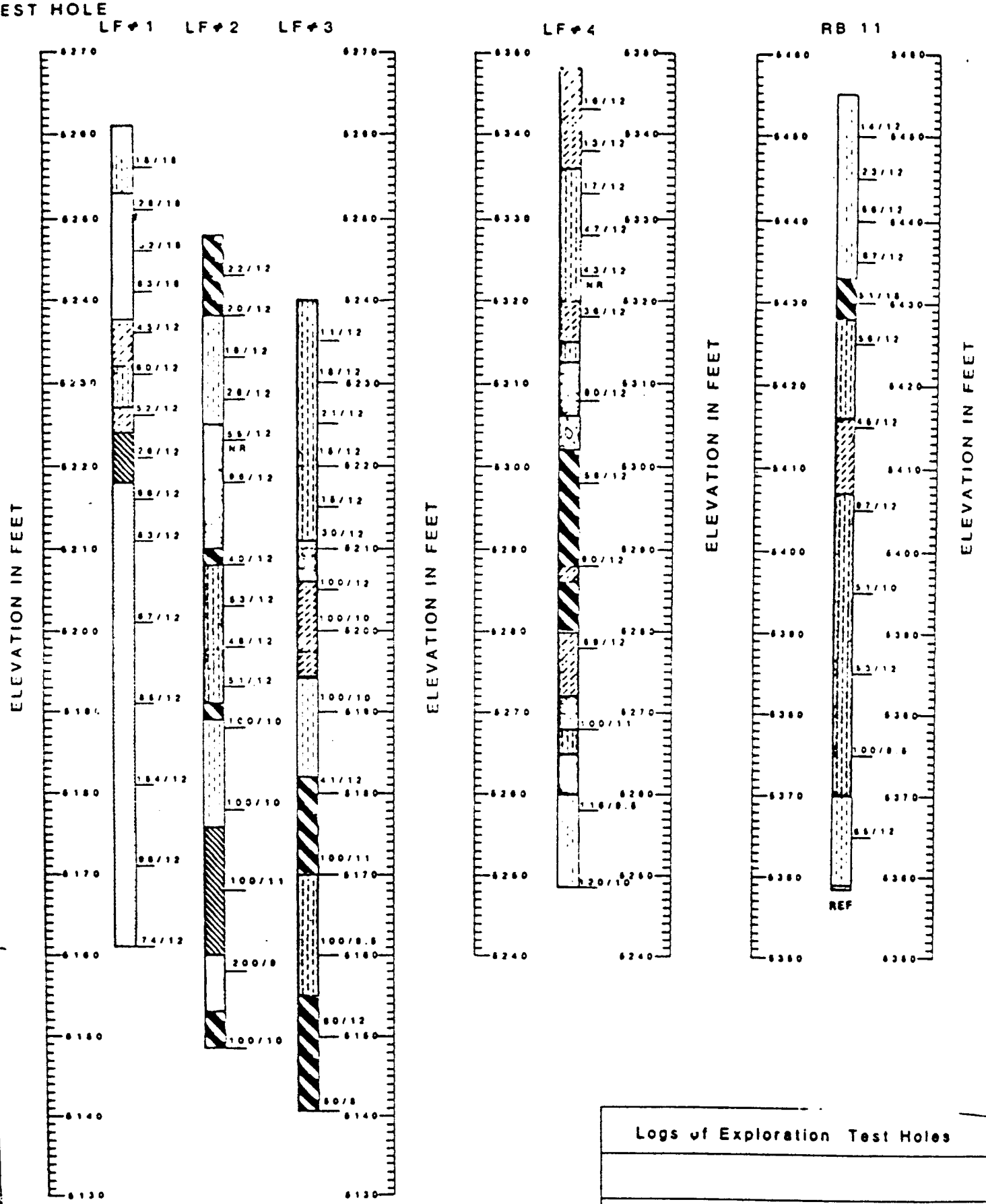
REF indicates refusal to auger drilling

NR indicates no sample recovery

NOTES

1. Test holes were drilled on May 31, 1983 to June 6, 1983 with a 6-inch diameter hollowstem continuous flight power auger.
2. (18/18) location of Standard Penetration Test; indicates that 18 blows with a 140-pound hammer, falling 30 inches, were required to drive a 2-inch sampler 18 inches.
3. The location of borings were approximately determined by tape and compass measurement. Elevations of borings are approximately determined by interpolation between plan contours. The location and elevation of the borings should be considered accurate only to the degree implied by the method used.
4. The stratification lines represent the approximate boundary between soil types and the transition may be gradual.
5. Neither bedrock nor groundwater was encountered in the test holes.

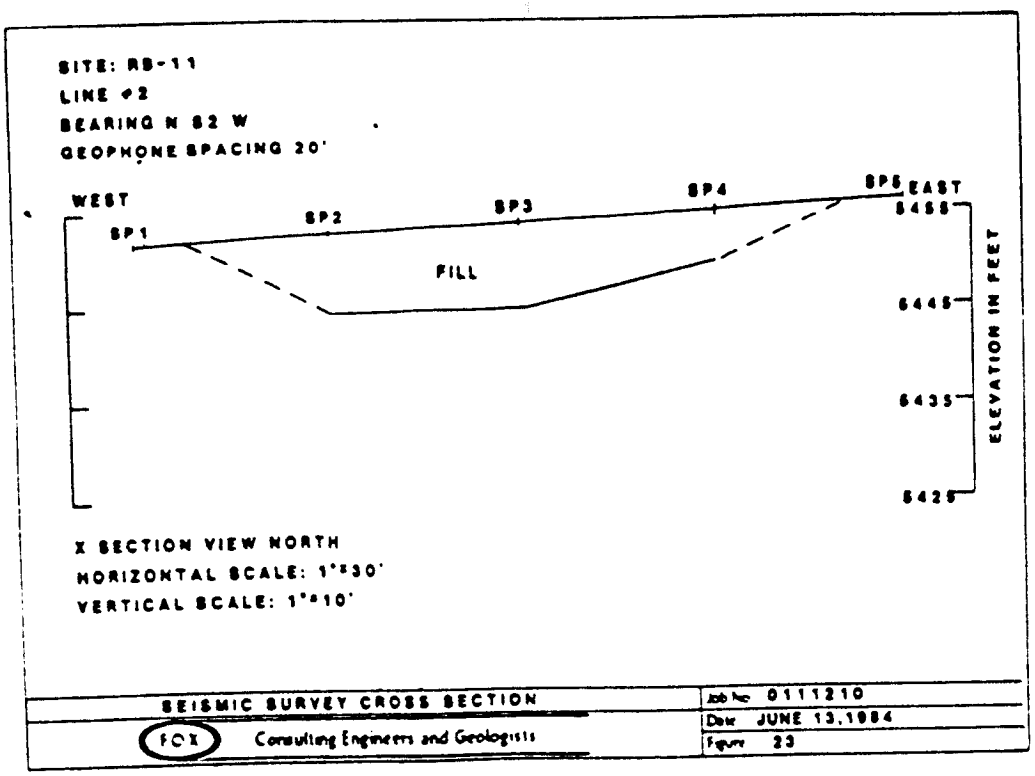
EXPLORATION
TEST HOLE

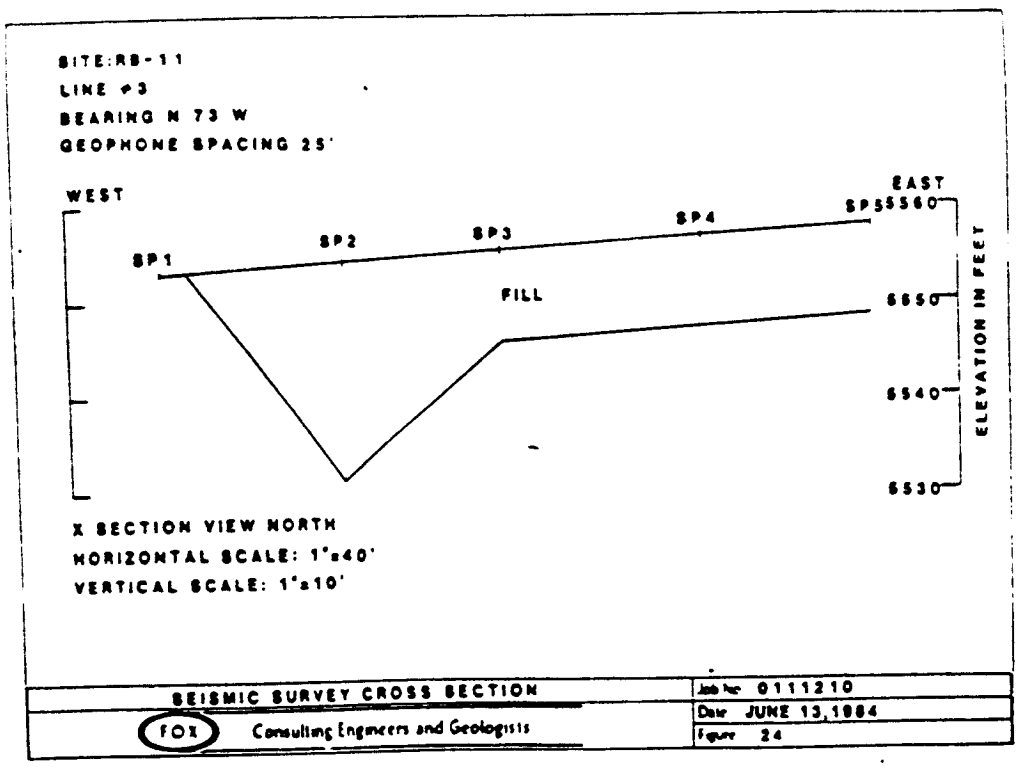


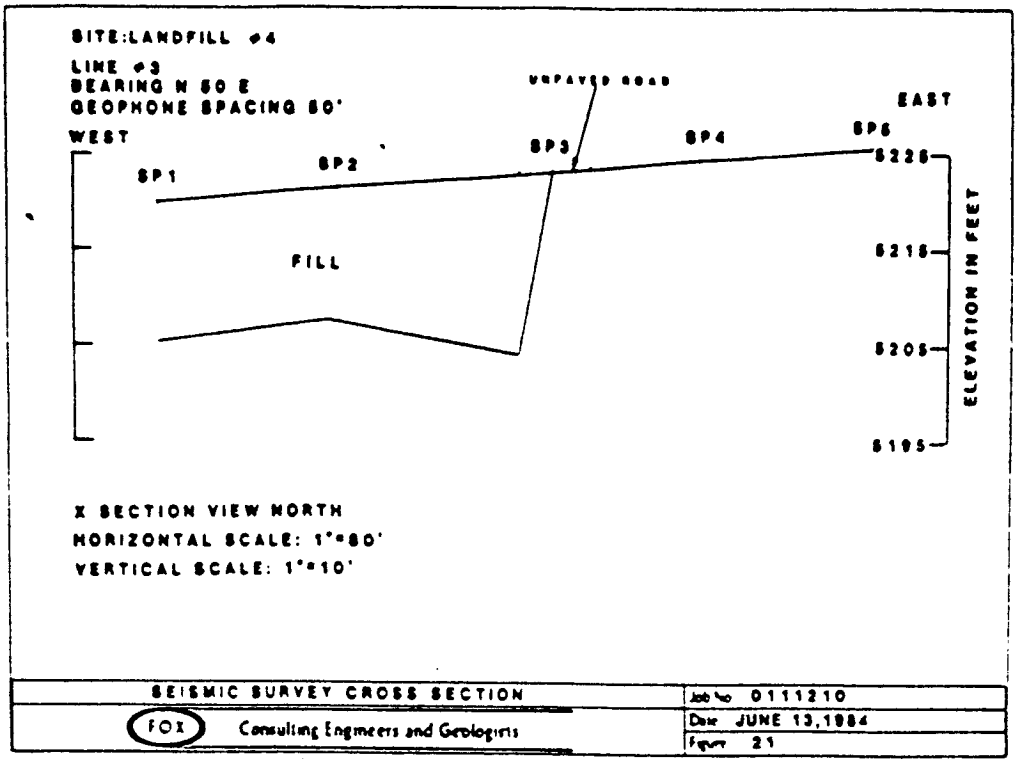
Logs of Exploration Test Holes

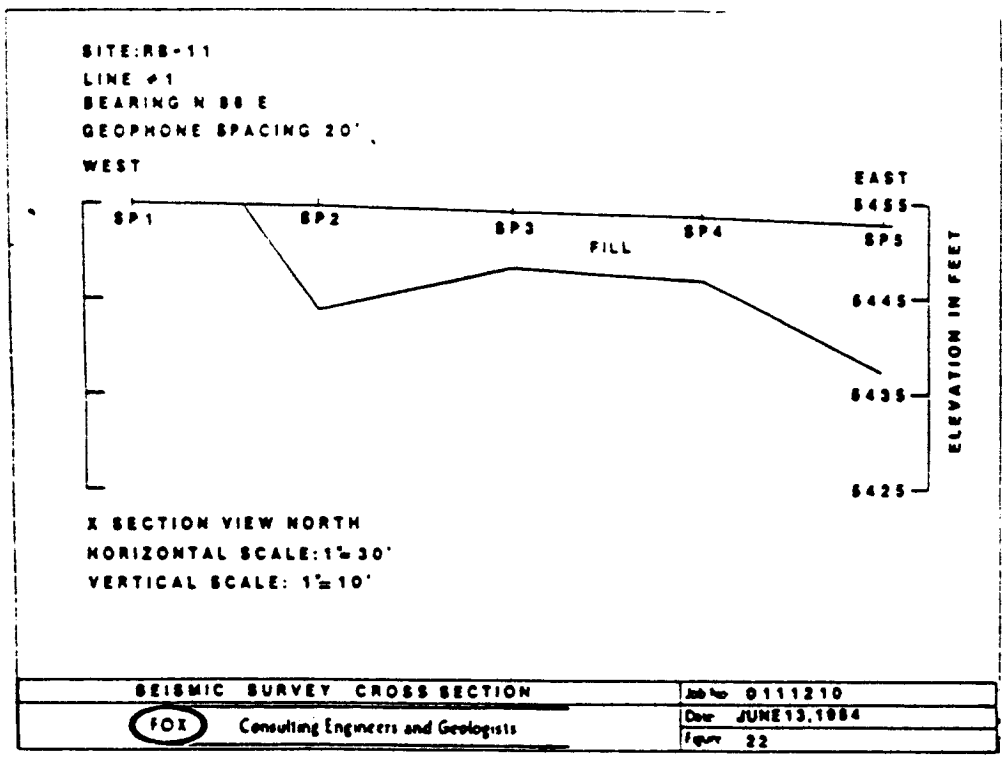
FOX Consulting Engineers and Geologists

Date July 1 1983 | Logs of Exploration

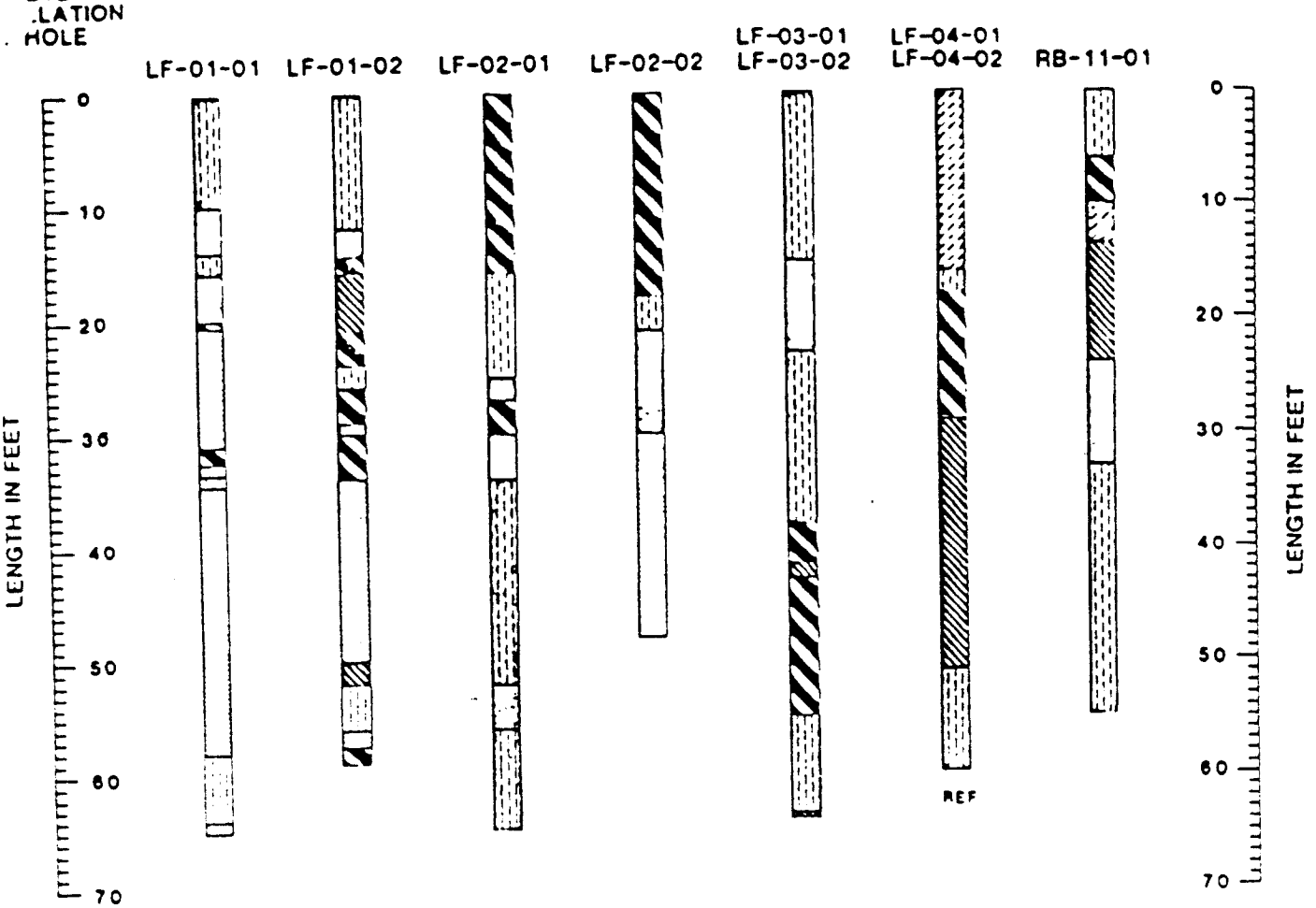

SITE: RB-11
LINE #2
BEARING N 82 W
GEOPHONE SPACING 20'
WEST
SP1
SP2
SP3
SP4
SP5
EAST
FILL
6455
6445
6435
6425
ELEVATION IN FEET
X SECTION VIEW NORTH
HORIZONTAL SCALE: 1"=30'
VERTICAL SCALE: 1"=10'
SEISMIC SURVEY CROSS SECTION
FOX
Consulting Engineers and Geologists
Job No 0111210
Date JUNE 13,1984
Figure 23


SITE:RB-11
LINE #3
BEARING N 73 W
GEOPHONE SPACING 25'
WEST
SP1
SP2
SP3
SP4
SP5
EAST
FILL
5560
5550
5540
5530
ELEVATION IN FEET
X SECTION VIEW NORTH
HORIZONTAL SCALE: 1"=40'
VERTICAL SCALE: 1"=10'
SEISMIC SURVEY CROSS SECTION
FOX
Consulting Engineers and Geologists
Job No 0111210
Date JUNE 13,1984
Figure 24


SITE:LANDFILL #4
LINE #3
BEARING N 80 E
GEOPHONE SPACING 50'
WEST
EAST
UNPAVED ROAD
SP1
SP2
SP3
SP4
SP5
FILL
8225
8215
8205
8195
ELEVATION IN FEET
X SECTION VIEW NORTH
HORIZONTAL SCALE: 1"=80'
VERTICAL SCALE: 1"=10'
SEISMIC SURVEY CROSS SECTION
FOX
Consulting Engineers and Geologists
Job No 0111210
Date JUNE 13,1984
Figure 21


SITE:RB-11
LINE #1
BEARING N 88 E
GEOPHONE SPACING 20'
WEST
EAST
SP1
SP2
SP3
SP4
SP5
FILL
8455
8445
8435
8425
ELEVATION IN FEET
X SECTION VIEW NORTH
HORIZONTAL SCALE: 1"=30'
VERTICAL SCALE: 1"=10'
SEISMIC SURVEY CROSS SECTION
FOX
Consulting Engineers and Geologists
Job No 0111210
Date JUNE13,1984
Figure 22

SIMETER
LATION
HOLE



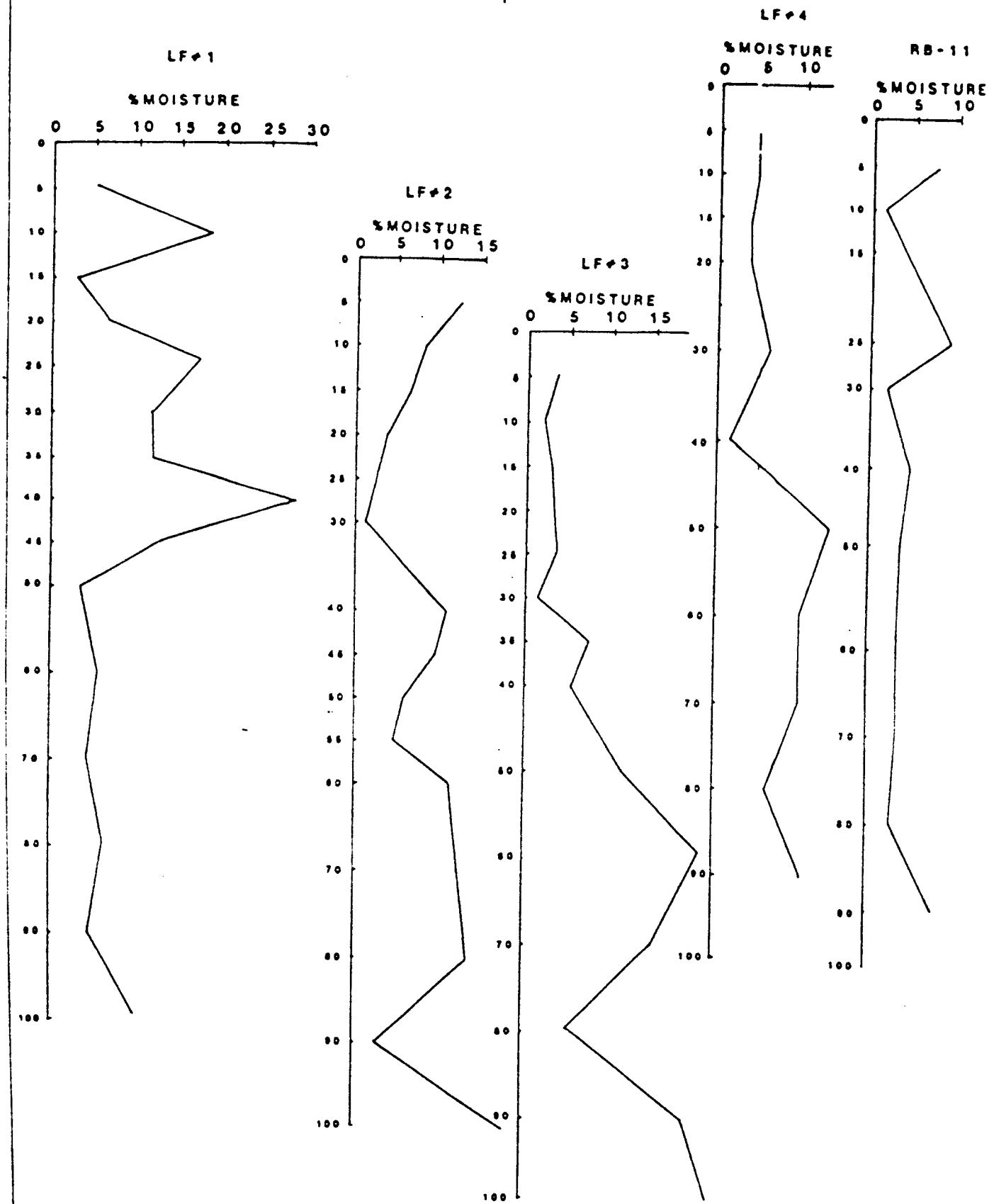
LOGS OF LYSIMETER

INSTALLATION TEST HOLES

FOX Consulting Engineers and Geologists

Date JUNE 12 1984
Drawn By SB

LOGS OF LYSIMETER INSTALLATION TEST HOLES



MOISTURE CONTENT vs. DEPTH

FOX Consulting Engineers and Geologists

Date JUNE 13, 1984

Drawn By MS

SUMMARY OF LYSIMETER ANALYSES

1) Parameter \ Landfill	LF01-01	4) LF01-02-A	4) LF01-02-B	LF02-01	LF02-02	LF03-01	LF04-02	RB11-01	Detection Limit
2) Depth	62 ft.	49 ft.	49 ft.	62 ft.	42 ft.	58 ft.	58 ft.	53 ft.	NA
Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	NA
Haloscan (TOX)									
Organic Chloride	ND 6)	ND	ND	ND	ND	ND	ND	ND	0.2 mg/Kg
Organic Bromide	ND	ND	ND	ND	ND	ND	ND	ND	0.05 mg/Kg
Organic Iodide	ND	ND	ND	ND	ND	ND	ND	ND	0.02 mg/Kg
Oil and Grease (by IR)	< 200	ND	ND	ND	ND	ND	ND	ND	200. mg/Kg
5) Lead, Total	8.	3.	< 3.	ND	ND	ND	5.	ND	3. mg/Kg
5) Sodium, Total	380.	180.	110.	60.	72.	68.	1200.	660.	
5) Iron, Total	22000.	26000.	22000.	44000.	86000.	9300.	28000.	18000.	
5) Mercury, Total	NA	NA	NA	NA	NA	NA	NA	< 0.1	
5) Silver, Total	NA	NA	NA	NA	NA	NA	NA	< 0.8	
2,4-D	ND	ND	ND	ND	ND	ND	ND	ND	0.010 mg/Kg
DDT, p, p'-	ND	ND	ND	ND	ND	ND	ND	ND	0.010 mg/Kg
DDE, p, p'-	ND	ND	ND	ND	ND	ND	ND	ND	0.010 mg/Kg
DDD, p, p'-	ND	ND	ND	ND	ND	ND	ND	ND	0.010 mg/Kg
3) Dieldrin	ND	ND	ND	ND	ND	ND	ND	ND	0.50 mg/Kg
Aldrin	ND	ND	ND	ND	ND	ND	ND	ND	0.010 mg/Kg
Lindane	ND	ND	ND	ND	ND	ND	ND	ND	0.010 mg/Kg
Methoxychlor	ND	ND	ND	ND	ND	ND	ND	ND	0.050 mg/Kg
Heptachlor Epoxide	ND	ND	ND	ND	ND	ND	ND	ND	0.010 mg/Kg
2,4,5-T	ND	ND	ND	ND	ND	ND	ND	ND	0.0050 mg/Kg
Moisture	14%	12%	13%	2%	2%	3%	5%	5%	NA

1) All parameters reported in mg/Kg unless otherwise noted.
2) Drilled length, at 50° angle from horizontal, measured from surface.
3) Higher detection limit due to matrix interference (ERG Comment).
4) Duplicate analysis run on LF02-02-49.
5) Whole rock hydrofluoric digestion instead of aquesus wash.
6) ND = Not Detected, NA = Not Applicable to sample set. < = Positive result but unquantifiable. Concentration below indicated level

DEPARTMENT OF THE AIR FORCE
USAF HOSPITAL KIRTLAND (MAC)
KIRTLAND AIR FORCE BASE, NEW MEXICO 87117

SGPBR (844-0598) 15 July 1983

Mr. Don Silva
Science Applications, Inc.
505 Marquette Ave., NW
Albuquerque, NM 87102

Dear Mr. Silva:

We surveyed the core samples removed from radioactive burial site No. 11 on 6 Jun 83. The instrument we used was a Ludlum Model 19 Micro R Meter, Serial No. 21540, calibrated 2 Feb 83. The Ludlum Micro R instrument detects low energy X and gamma radiation. Normal background readings are 20 µR/hr or .02 mR/hr.

We took readings from the core samples at depths of 5, 10, 15, 25, 30, 40, and 50 feet. We monitored the samples below 50 feet as one unit. The readings at all depths did not exceed the normal background reading.

If you have any questions regarding this survey, please call us at 844-0598.

Thank you,

C. David Lovell

C. DAVID LOVELL, 2Lt, USAF, BSC
OIC, Radiological Health/RPO
USAF Hospital Kirtland

DEPARTMENT OF THE AIR FORCE
HEADQUARTERS 1606TH AIR BASE WING (MAC)
KIRTLAND AIR FORCE BASE, NEW MEXICO 87117

SAI/ABQ

FEB 21 1984

RECEIVED

REPLY TO ATTN OF: SGPBR (844-0598) 15 Feb 84

SUBJECT: Soil Monitoring

TO: Science Applications, Inc.
505 Marquette Ave., N.W.
Albuquerque, NM 87102

1. On 6 Feb 84, the Radiological Health Section was called upon to assist in the drilling of burial site RB-11. This was a follow-up drilling operation which was done at a 50° angle to the trench.

2. Equipment Used. Technical Associates, Model TBM-3, Serial No. 041254, calibrated 18 Jan 84 with a calibration due date of 18 Jul 84.

3. Soil samples were drawn from 13 feet, 23 feet, 33 feet, 43 feet and 53 feet. All readings were found to be from .02 mR/hr to .04 mR/hr, which is normal background for the area.

4. If you have any questions concerning this survey, feel free to contact this office at 844-0598 and reference RSS #84-047.

Melvin C. Jones

MELVIN C. JONES, TSgt, USAF
NCOIC, Radiological Health
USAF Hospital Kirtland

INSTALLATION RESTORATION PROGRAM - PHASE II B

Kirtland AFB, NM
Lysimeter No: RB11-01

LYSIMETER PRESSURE MONITORING

DATE	TIME	RESIDUAL PRESSURE	VOLUME/ CONDUCTIVITY	APPLIED PRESSURE	COMMENTS
3 Apr 84	14:47				Test Aborted-Damaged vacuum pump
4 Apr 84	13:53	0 in Hg	NS	10 in Hg	Generator on
	14:00	9 in Hg	NS	10 in Hg	--
	14:28	9 in Hg	NS	10 in Hg	--
	14:58	9 in Hg	NS	10 in Hg	--
	15:00	9 in Hg	Dry	10 in Hg	Attempted to lift sample: dry
	15:10	0 in Hg	NS	10 in Hg	--
	15:27	9 in Hg	NS	10 in Hg	--
	16:00	9 in Hg	NS	10 in Hg	--
4 Apr 84	16:30	9 in Hg	Dry	10 in Hg	Attempted to lift sample: dry

Project No.: 1-220-06-351-33 Page 1 of 1

Note: 1) Sampling efforts terminated 4 Arpil 1984; 16:30 - no liquid sample.
2) Lysimeter was primed with approx 50 ml distilled water prior to each vacuum application.
3) NS = No sample acquisition attempted.

J.3 Threatened and Endangered Species Survey

PROGRESS REPORT

THREATENED AND ENDANGERED SPECIES SURVEY OF KIRTLAND AIR FORCE BASE, NEW MEXICO

Submitted to

377 ABW/EM
2000 Wyoming Blvd. SE
Kirtland AFB, NM 87117-5659
ATTN: Bob Dow

Submitted by

New Mexico Natural Heritage Program
University of New Mexico
2500 Yale Blvd SE, Suite 100
Albuquerque, NM 87131

Patricia Mehlhop, Principal Investigator
Ellen DeBruin, Co-Principal Investigator

March 1992

INTRODUCTION

The objective of this project was to locate representative populations of threatened and endangered federal and state listed plants and animals on Kirtland Air Force Base and adjacent lands under its management, to produce a list of confirmed locations, and in the case of plants, to develop a predictive model of the potential habitat for each species on the base.

PLANT SPECIES SURVEY

METHODS

Plant species surveys were based on a sample of 80 acres for each 320 acres (25%) of potential habitat. The potential habitat for the species which may occur in the area consists of the undeveloped portions of land on the main base and the foothills on the western edge of the Manzano Mountains. The species included in the search were PEDIOCACTUS PAPYRACANTHUS, NEOLLOYDIA INTERTEXTA, MAMMILLARIA WRIGHTII, and AMSONIA FUGATEI. The PEDIOCACTUS has the widest range of potential habitat and is the most difficult to find. The surveys were scheduled to cover the blooming season of this species. The other species occur within the same range of potential habitat and were included in the same survey. Each section of land as shown on the 7.5 minute topographic quadrangle maps for the area was treated as a sampling unit. Within each section, four (4) sampling quadrats of 40 acres each were selected, 2 in the north half of the section and 2 in the south half, using a random numbers table. The quadrats were selected on the map. In the field, each quadrat was located using the topographic map, the Kirtland base map, and the color air photo composite supplied by the base. If a quadrat was found to be unsuitable in the field because it was off limits or it had major ground disturbance on more than 20 of the 40 acres, another sample quadrat in the section was selected at random to replace it. When a sample was situated within a posted and/or fenced area, authorization was obtained before entering.

A survey team of biologists located the sample quadrats in the field. They determined the perimeter of the 40 acres by starting at a known point on the map and pacing the 1320 feet for each side of the quadrat, following the four compass directions and marking the boundaries with flagging at intervals. Starting at one corner the team systematically searched the ground within the first half and then the other half of the 40 acres, following a back-and-forth serpentine pattern within a few feet of each other. On prepared data sheets the team recorded the following information:

-Sample number
-Team members
-T R S location of the quadrat
-Date and time
-General description of the topography, plant community, associated species and primary aspect of the site.
-Specific data for each habitat within the sample:
    Slope according to five classes

Aspect according to eight classes
Substrate description
Dominant species
Presence or absence of target species, number of individual plants counted
Percentage of the 40 acres occupied by each habitat
Sketch of the quadrat showing area occupied by each habitat and location and type of ground disturbance

The data sheets were completed on site for each quadrat. The sample sites selected and those completed were recorded on the topographic maps. Population and habitat data were entered into a Lotus spreadsheet in preparation for statistical analysis.

RESULTS

During the spring season from April 14 to June 11, 1993, a total of 56 sampling quadrats were surveyed for rare plants. Table 1 lists the sample sites by township and range location with the number of plants by species that were counted on each site.

On 2,240 acres surveyed, the number of plants counted were:

Pediocactus papyracanthus	*89*
Mammillaria wrightii	*14*
Neolloydia intertexta	*4,834*

The *N. intertexta* occurs on gravelly hillsides down to five-degree slopes. *P. papyracanthus* was found only on lower areas with slopes of five degrees or less. On 16 sample quadrats no rare plants were found.

Table 1. Rare Plant Survey Plots on Kirtland AFB, 1993.

Town	Range	Section	1/8 Section	Sample #	Ped.	Mam.	Neo.
8N	4E	1	SE4 NE4	36	2	0	4
8N	4E	1	SW4 NW4	48	5	0	0
8N	4E	2	SW4 NE4	53	7	0	0
8N	4E	2	NE4 NW4	54	3	0	0
8N	4E	3	NE4 NW4	52	5	0	0
8N	5E	6	NW4 NW4	39	0	0	0
8N	5E	6	NW4 NE4	40	0	0	20
9N	3E	12	NE4 SW4	31	0	0	0
9N	3E	12	SW4 NW4	32	0	0	0
9N	3E	12	NE4 NW4	33	0	0	0
9N	3E	12	SW4 SE4	34	1	0	0
9N	4E	1	NE4 SW4	12	0	0	26
9N	4E	1	NE4 SE4	13	0	0	107
9N	4E	1	NE4 NW4	17	0	0	0
9N	4E	2	NW4 NW4	14	0	0	142
9N	4E	3	NW4 NE4	15	1	0	0
9N	4E	4	SE4 SW4	19	0	0	0
9N	4E	4	SW4 SE4	20	5	0	0
9N	4E	7	SW4 SE4	37	1	0	0
9N	4E	7	NE4 SE4	38	0	0	0
9N	4E	7	SW4 NE4	41	0	0	0
9N	4E	7	SE4 NW4	42	0	0	0
9N	4E	9	SW4 SE4	21	2	1	0
9N	4E	9	NE4 NE4	22	5	1	0

Table 1 cont.

Town	Range	Section	1/8 Section	Sample #	Ped.	Mam.	Neo.
9N	4E	9	NW4 NE4	24	2	0	0
9N	4E	9	SE4 SE4	26	1	2	2
9N	4E	10	NW4 NW4	23	2	0	0
9N	4E	10	NW4 NE4	25	0	1	62
9N	4E	10	NW4 SW4	27	2	1	67
9N	4E	10	SE4 SW4	28	0	4	400
9N	4E	12	SW4 SE4	2	0	0	29
9N	4E	12	NW4 SE4	3	0	1	51
9N	4E	12	SW4 NE4	18	0	0	6
9N	4E	13	SW4 NE4	10	0	0	558
9N	4E	13	NW4 NE4	11	0	0	353
9N	4E	16	SE4 SW4	29	0	0	0
9N	4E	16	NW4 SW4	30	0	0	0
9N	4E	18	SW4 NW4	43	0	0	0
9N	4E	18	SE4 NW4	44	0	0	0
9N	4E	18	NW4 SW4	45	1	0	0
9N	4E	18	NE4 SW4	46	1	0	0
9N	4E	23	SW4 SW4	16	0	0	0
9N	4E	24	SE4 NE4	9	0	0	1321
9N	4E	25	SE4 SE4	35	0	1	490
9N	4E	26	NE4 NW4	8	5	0	1197
9N	4E	30	SE4 SW4	55	9	0	0
9N	4E	31	SW4 NW4	56	8	0	0
9N	4E	33	NW4 SE4	4	1	0	0

Table 1 cont.

Town	Range	Section	1/8 Section	Sample #	Ped.	Mam.	Neo.
9N	4E	33	SW4 NE4	5	0	0	0
9N	4E	33	NE4 NE4	49	0	0	0
9N	4E	34	NW4 SW4	50	3	0	0
9N	4E	34	SW4 SW4	51	5	0	0
9N	4E	36	SE4 NW4	6	8	0	4
9N	4E	36W	SE4 SE4	7	1	0	0
9N	4E	36	SW4 SW4	47	1	0	0
9N	5E	13	NW4 SW4	1	1	2	5

Ped. = # of *Pediocactus papyracanthus* Mam. = # of *Mammillaria wrightii*
Neo. = # of *Neolloydia intertexta*

56

ANIMAL SPECIES SURVEYS

In 1993 surveys were conducted for the Northern Goshawk, Peregrine Falcon and Gray Vireo. 1994 surveys will focus on surveys for the spotted bat, Spotted Owl and Gray Vireo. In addition, reproductive data will be collected for the Gray Vireo.

Northern Goshawk (*Accipiter gentilis*)

BACKGROUND

The Northern Goshawk (*Accipiter gentilis*) is a large woodland raptor, ranging in length from 53-66 cm and 102-117 cm in wingspan (National Geographic Society 1988). It is distinguished from other similar accipiters by its much larger size, and a conspicuous pale or whitish eyebrow.

Northern Goshawks are uncommon breeders in coniferous woodlands in montane areas in New Mexico. They generally require mature stands of large conifers with a fairly closed canopy and a fairly open understory.

METHODS

Examination of aerial photography indicated that potential habitat for the species (open stands of large conifers) on KAFB and the Forest Service Withdrawal Area, is limited. The only significant stands of large conifers present are some fairly open stands of Ponderosa Pines around the Manzano Lookout Tower at the highest point of the Withdrawal Area (see map). Goshawks are extremely unlikely to breed in dense stands of Pinon-Juniper (personal communication Hart Schwartz). Despite the lack of suitable habitat, two days of surveys were conducted around the Look-out tower, in the densest stands of Ponderosa Pines.

Areas with the densest stands of large conifers were located and surveyed. Surveys employed the Forest Service protocol for Northern Goshawk inventory. This protocol calls for the establishment of transects spaced 300 meters apart. Transects consisted of calling stations along lines. Taped Goshawk calls were played at stations in order to induce vocal responses.

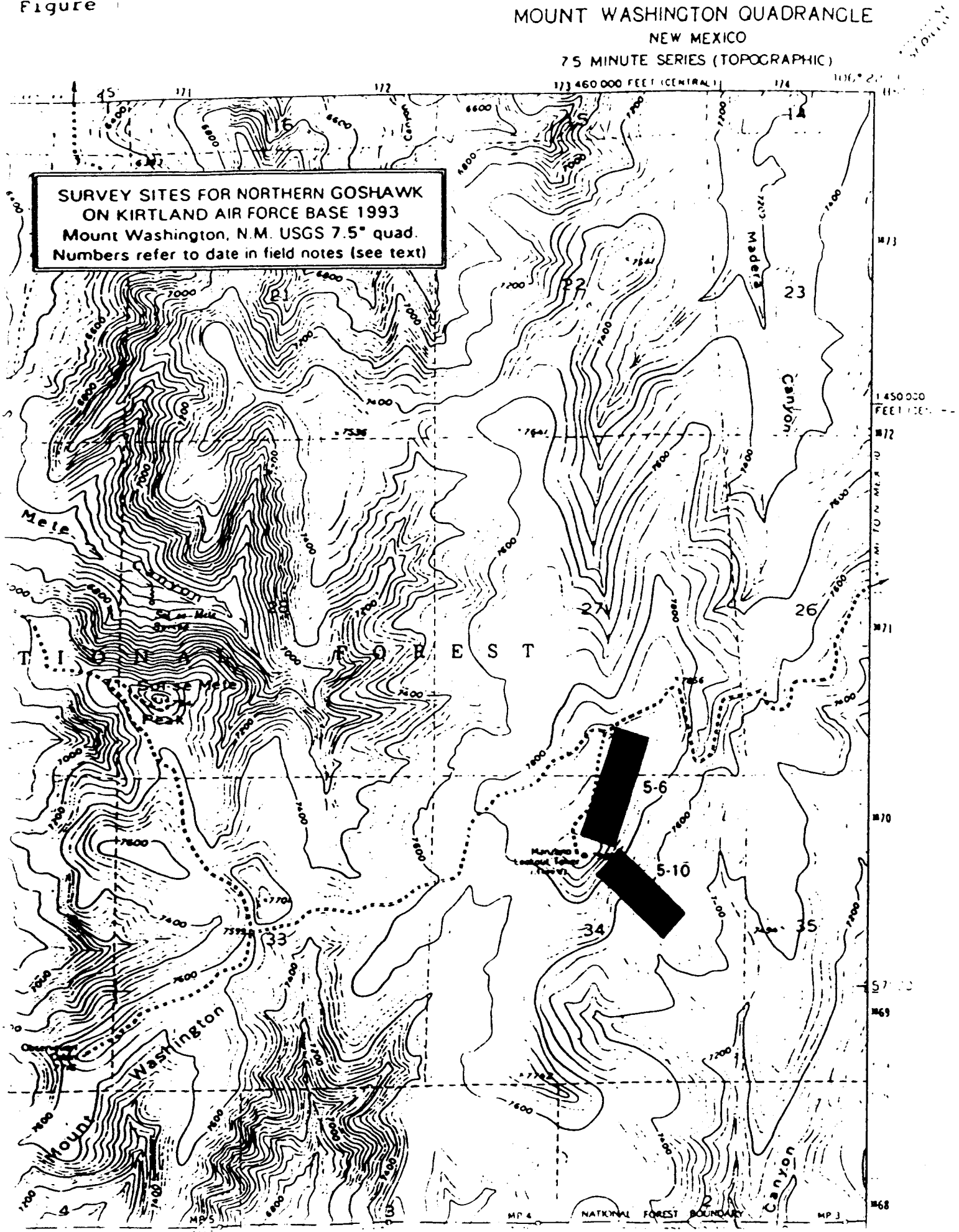
RESULTS AND CONCLUSIONS

During two days of surveys, no evidence of Northern Goshawk nesting was found. Overall, it appears that no suitable Goshawk habitat exists on KAFB or the Withdrawal Area.

FIELD NOTES OF CHARLES BLACK (refer to Figure 1 for map of survey area.)

05-06-93 I began Goshawk surveys, running north-south transects in the area immediately

Figure


MOUNT WASHINGTON QUADRANGLE
NEW MEXICO
7 5 MINUTE SERIES (TOPOGRAPHIC)
SURVEY SITES FOR NORTHERN GOSHAWK
ON KIRTLAND AIR FORCE BASE 1993
Mount Washington, N.M. USGS 7.5° quad.
Numbers refer to date in field notes (see text)
5-6
5-10
T I J E R A S F O R E S T
Mount Washington
Canyon
Mesa
NATIONAL FOREST BOUNDARY

north of Manzano Lookout Tower (Fig. 1). I played tape and listened at eight points each along five parallel lines. These lines or transects were spaced about 150 meters apart. No sign of Goshawk presence was detected.

05-10-93 I continued surveys, running transect in a southeasterly direction from the tower. I played tape at seven points each along five parallel lines spaced about 150 meters apart. These transects covered some fairly steep terrain. No Goshawks were seen or heard.

Peregrine Falcon (*Falco peregrinus*)

BACKGROUND

The Peregrine Falcon (*Falco peregrinnus*) is a medium to large sized falcon, ranging in length from 41-51 cm and 91-112 cm in wingspan (National Geographic Society 1988). It is distinguished from the similar Prairie Falcon (*Falco mexicanus*) by darker upper parts, including the head and facial pattern, and a lack of dark axillaries (under wings). Peregrine Falcons are uncommon as migrants through central New Mexico, but are rare and local breeders. The closest known breeding site to KAFB is in the northern end of the Sandia Mountains. Peregrine Falcons require tall cliffs (usually over 50 meters) for nesting and hunting. They also require ledges, potholes or small caves which are inaccessible to mammalian predators for successful nesting (Johnsgard 1990).

In the Forest Service Withdrawal Area east of KAFB, there are extensive cliff lines along ridges of the Manzanita Mountains. Most of these cliffs and steep rocky outcroppings are fairly short (30 meters at the tallest). These rock formations are limestone mesa tops of the Manzanita mountains and are generally 6800 to 7600 feet in elevation. The vegetation type here is predominately dense stands of Pinon-Juniper woodland. Overall, the habitat on KAFB is possible, but sub-optimal for Peregrine falcon breeding.

METHODS

To ensure complete coverage of all potential habitat, examination of aerial photographs, topographic maps, as well as personal reconnaissance were used to locate the best survey areas. The surveys consisted of walking cliff lines to locate suitable observation points (points which allow good views of large sections of cliffs). Surveys were conducted at each point for 15 to 30 minutes based on the quality of the habitat present. Binoculars and a 30X spotting scope were used to scan the cliffs and sky for evidence of Peregrine presence. Survey were conducted during nine field days between April 15 and May 4, 1993. All areas of suitable habitat on KAFB were surveyed. These surveys were conducted in six general areas: the Mount Washington area at the south end of the base, the Sol Se Mete Mesa area, the "west mesa" area, Lurance Canyon, Bonita Canyon and Otero Canyon. Of these areas, the Mt. Washington area contains by far the tallest cliffs and overall, the most likely habitat for Peregrine nesting. Other areas generally contain poor habitat. All survey points at each of these locales are shown in Figure 2.

Figure 2

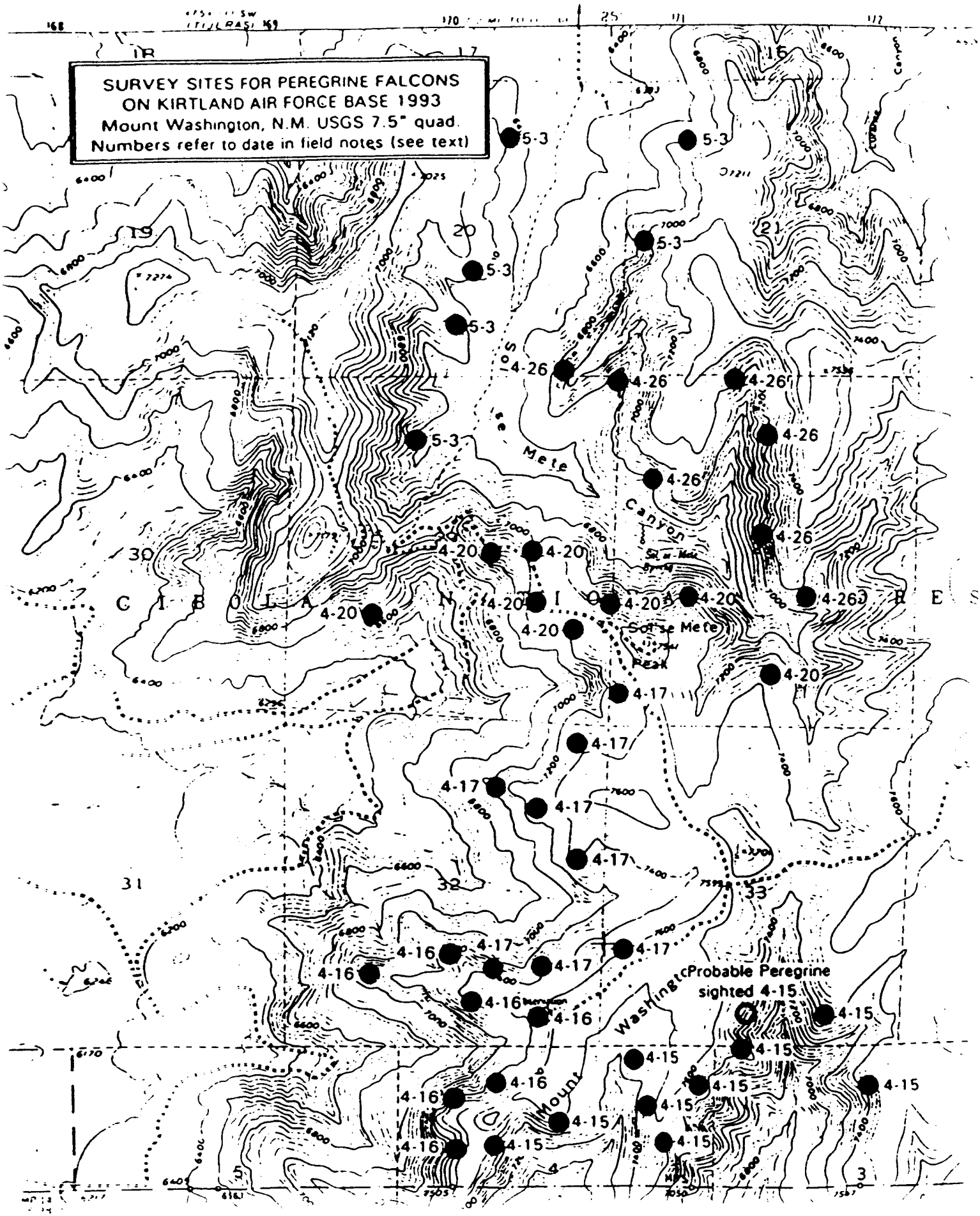
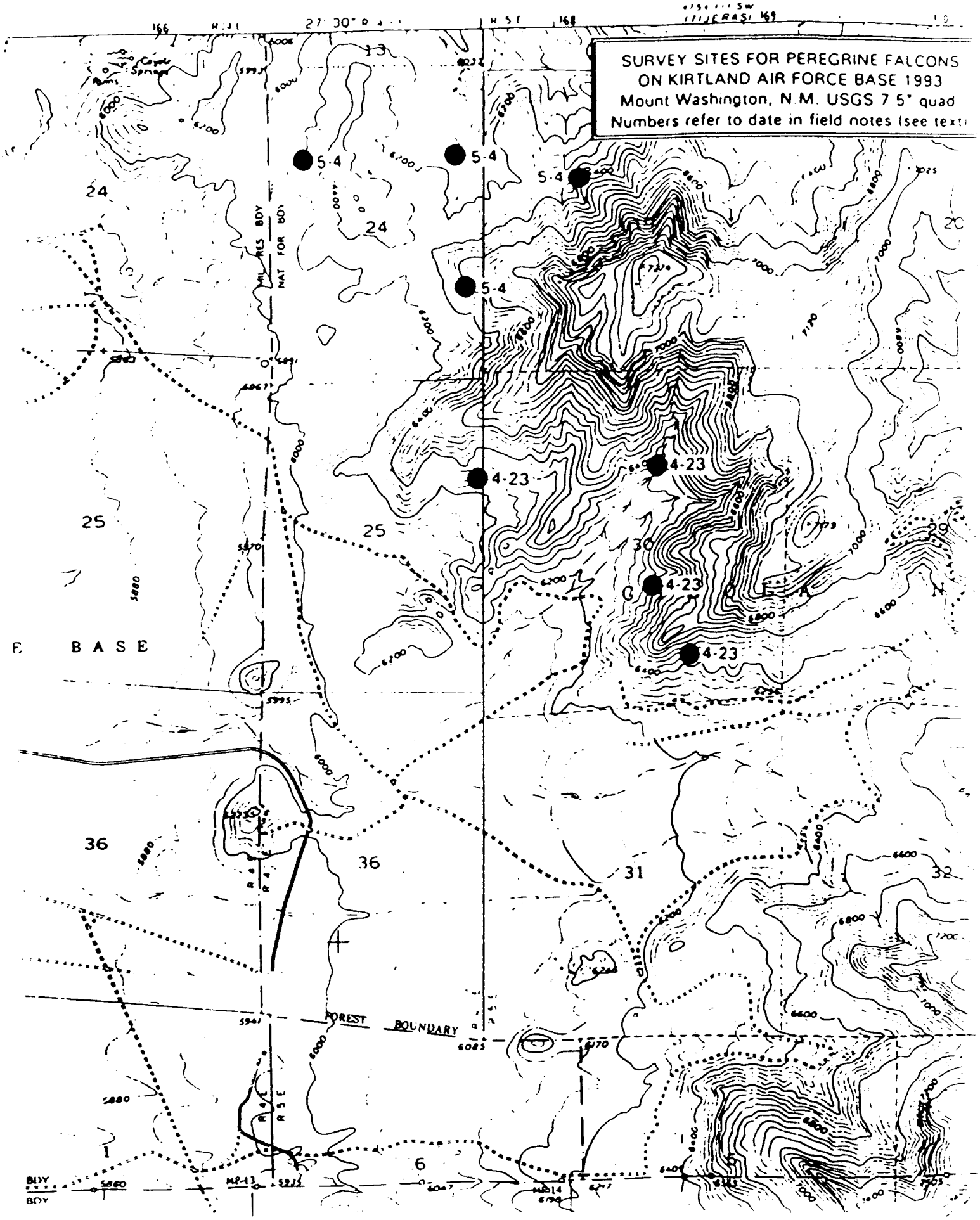
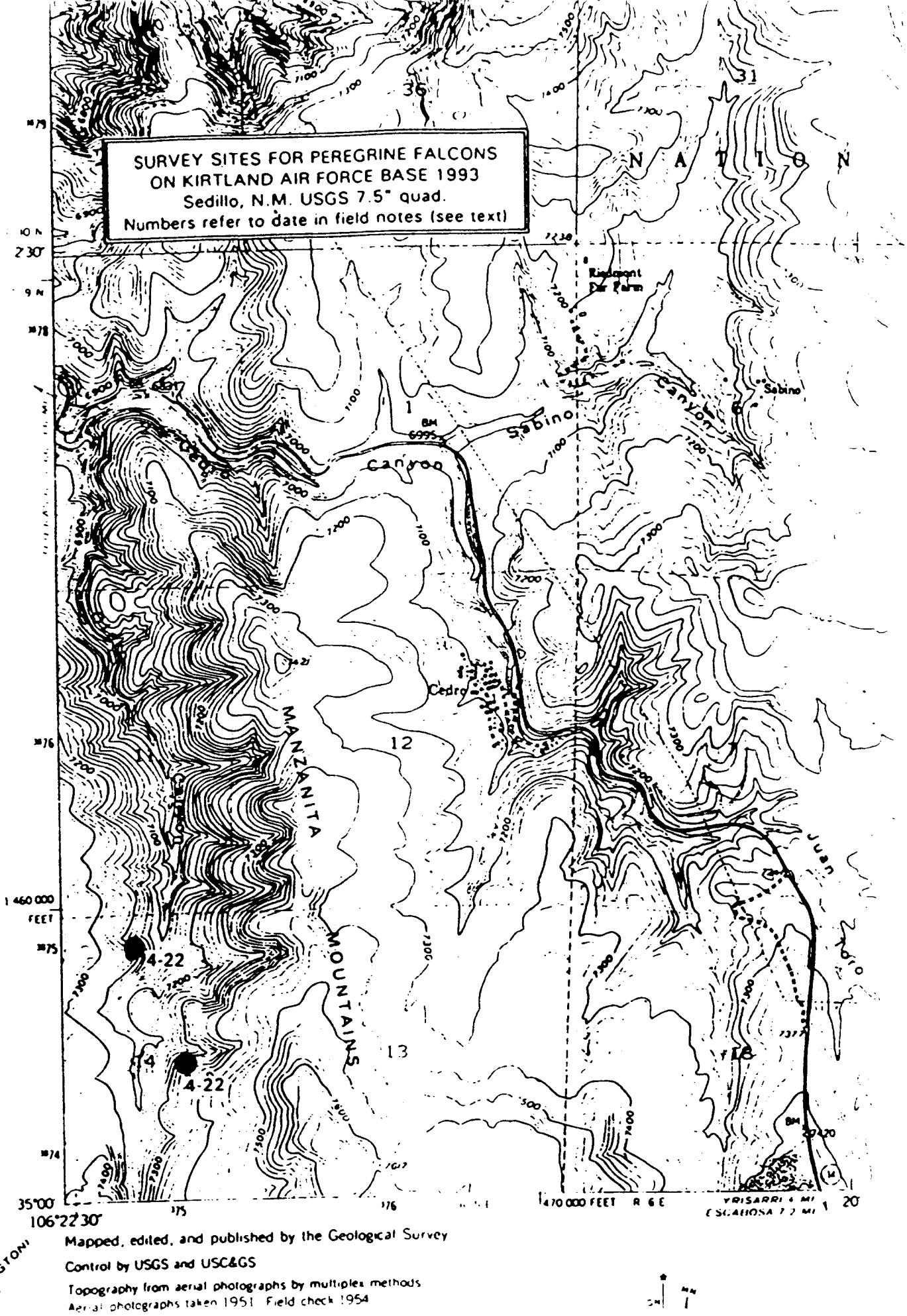

SURVEY SITES FOR PEREGRINE FALCONS
ON KIRTLAND AIR FORCE BASE 1993
Mount Washington, N.M. USGS 7.5" quad.
Numbers refer to date in field notes (see text)
5-3
4-26
4-20
4-17
4-16
4-15
Probable Peregrine sighted 4-15
Sol se Mete Canyon
Sol se Mete Peak
Mount Washington
CIBOLA
NATIONAL FOREST
19
20
21
29
30
31
32
33
5

Figure 2


SURVEY SITES FOR PEREGRINE FALCONS
ON KIRTLAND AIR FORCE BASE 1993
Mount Washington, N.M. USGS 7.5' quad
Numbers refer to date in field notes (see text)
5-4
5-4
5-4
5-4
4-23
4-23
4-23
4-23
FOREST BOUNDARY
BASE

igure 2


SURVEY SITES FOR PEREGRINE FALCONS
ON KIRTLAND AIR FORCE BASE 1993
Sedillo, N.M. USGS 7.5° quad.
Numbers refer to date in field notes (see text)
4-22
4-22
MANZANITA
MOUNTAINS
Sabino
Canyon
Cedro
Canyon
Cedro
Peak
Ridgecrest
Dir Farm
N A T I O N
1 460 000 FEET
1 470 000 FEET R 6 E
35°00'
106°22'30"
Mapped, edited, and published by the Geological Survey
Control by USGS and USC&GS
Topography from aerial photographs by multiplex methods
Aerial photographs taken 1951. Field check 1954

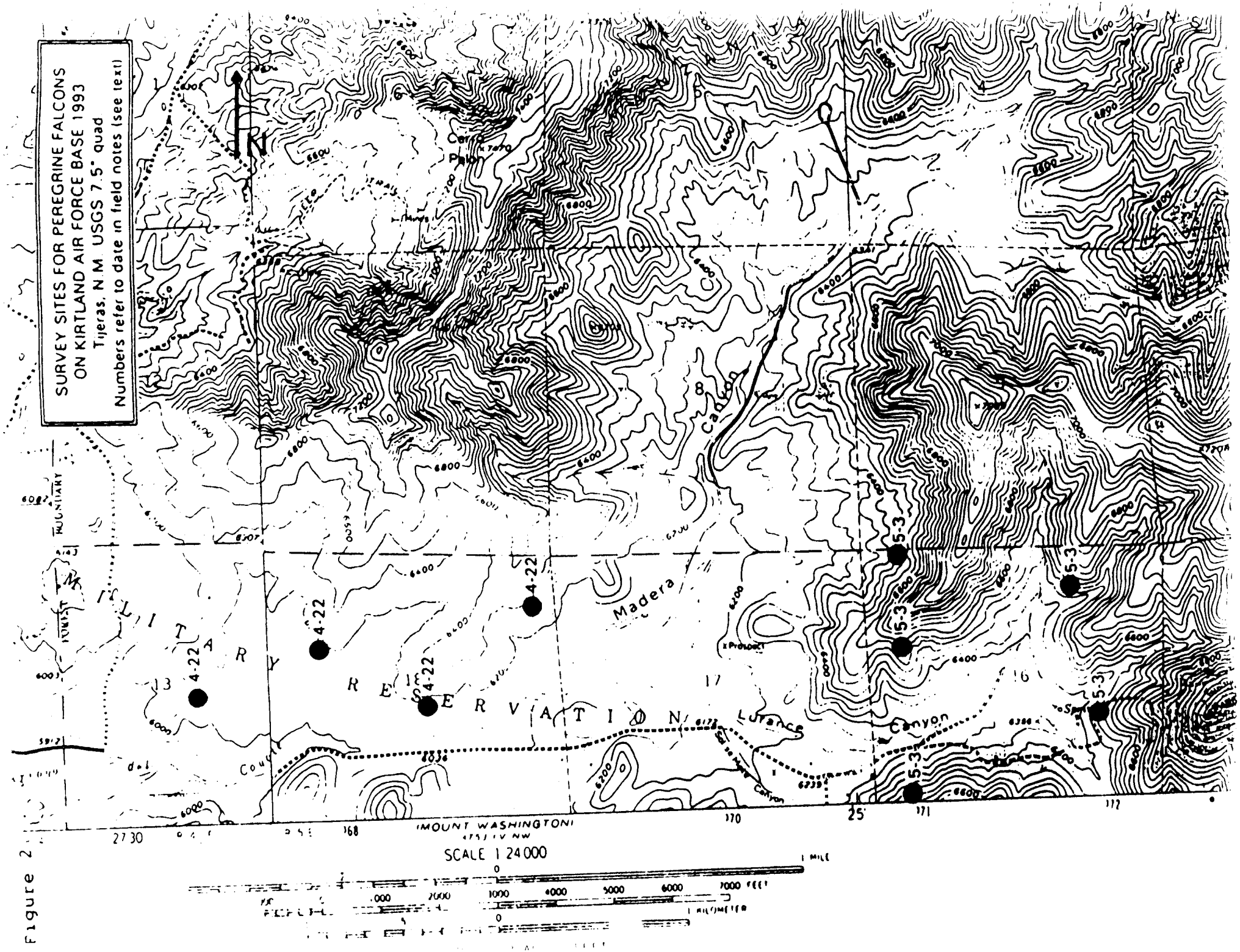

SURVEY SITES FOR PEREGRINE FALCONS
ON KIRTLAND AIR FORCE BASE 1993
Tijeras, N M USGS 7.5' quad
Numbers refer to date in field notes (see text)
N
Cerro Pelon
Madera Canyon
4-22
5-3
MILITARY RESERVATION
Lurance Canyon
MOUNT WASHINGTON
SCALE 1 24000
1 MILE
7000 FEET
1 KILOMETER

Figure 2

RESULTS AND CONCLUSIONS

No evidence of Peregrine Falcon nesting was found during 1993 surveys. One probable bird was seen on April 15 near Mt. Washington (Fig. 2), but this was almost certainly a migrant. Peregrine Falcons are regular spring migrants along ridge lines of the Manzano and Sandia Mountains. However, the habitat is marginal at best for Peregrine nesting on KAFB.

FIELD NOTES OF CHARLES BLACK (refer to Figure 2 for map of survey area.)

04-15-93 I began surveys on the southeast face of Mt. Washington. I surveyed from nine points along the ridge lines in this section. I observed a probable Peregrine flying north along the ridge line (Fig. 2) at a high rate of speed. I was unable to locate this bird at any time in the future, and assume it to have been a migrant. I located a possible Golden Eagle nest (Fig. 2). I found no evidence of Peregrine nesting. Very windy conditions existed.

04-16-93 I continued surveying along the west edge of Mt. Washington, again under very windy conditions. I surveyed from seven points on this day (Fig. 2) and noted no evidence of Peregrine presence.

04-17-93 I continued north along the ridge line of Mt. Washington, under somewhat calmer conditions. I surveyed from five points on Mt. Washington and at three points on the south end of Sol Se Mete Mesa. No evidence of Peregrines seen.

04-20-93 I continued surveys along the west face of Sol Se Mete Mesa, surveying at nine points, no Peregrine sign. Late in the afternoon, I returned to the area where I saw the probable Peregrine on 04-15 to follow-up on the original sighting. I saw no Falcons.

04-22-93 I hiked into upper Otero Canyon, a remote area at the far northeast corner of the Withdrawal Area. I found little potential Falcon habitat here. I surveyed at two points along a small area of rocky outcroppings with no results. I also evaluated this area for possible Northern Goshawk habitat. I found the area to be very poor Goshawk habitat, with only a few scattered Ponderosa Pines amongst dense stands of Pinon-Juniper Woodland. Later in the day, I surveyed at four points along cliffs at the far north end of the Withdrawal Area (Fig. 2).

04-23-93 I hiked into upper Bonita Canyon, another remote area at the far southeast end of the withdrawal area. I found no potential Falcon habitat in this area, and conducted no surveys here. I evaluated this area as possible Northern Goshawk, and found it to be poor. The entire canyon is dense Pinon-Juniper with a few scattered Ponderosa Pines. Later in the day, I began Peregrine surveys in the "west mesa" area, surveying from four points (Fig. 2) - negative.

04-26-93 I continued surveys around the west ridge line of Sol Se Mete Mesa, and down into Sol Se Mete Canyon. I surveyed at eight points in generally poor habitat - negative.

05-03-93 I continued surveys in the "west mesa" area, working along its east face (Fig. 2). I surveyed four points - negative. In the early afternoon, I surveyed cliff areas in Lurance Canyon. The habitat here is poor. I surveyed from five points (Fig. 2) - negative. I surveyed at one last point on the "west mesa" late in the afternoon on my way out. I saw no Falcon evidence, but found my first Gray Vireo of the season.

05-04-93 I finished up Peregrine surveys along the northwest side of the "west mesa." I surveyed at three points - negative. In the afternoon, I returned to the Mt. Washington area to follow up on the original Falcon sighting. Again, I found no evidence of Peregrine nesting in the area.

Gray Vireo (*Vireo vicinior*)

The primary goal of the 1993 work was to survey potential breeding habitat and detect as many birds as possible during the breeding season. In addition, visits were made in June and July for follow-up and to collect reproductive data.

BACKGROUND AND DESCRIPTION

Status and Distribution. The Gray Vireo is listed by the State of New Mexico as an endangered species. It is generally uncommon and highly localized in occurrence in the state and appears to be absent from some areas of suitable habitat. However, it has not been well surveyed in much of its potential habitat, which is arid scrub woodland on foothills and mesas. Prior to this study, Gray Vireos were previously unrecorded in Bernalillo County.

The Gray Vireo is a neo-tropical migrant, wintering in northwestern Mexico and extreme southern Arizona, and breeding in the southwestern U.S. and extreme northern Mexico. Limited observations indicate that individuals arrive on breeding grounds in New Mexico about the first week of May. They vacate breeding areas in August and probably are absent from the state by the end of September.

Description. The Gray Vireo is a small, drab songbird which breeds in dry, scrubby foothills and mesas in the southwestern U.S. and adjacent areas in extreme northern Mexico. The Gray Vireo averages 5-1/2 inches (14 cm) in length (National Geographic Society 1988). In plumage, the bird is generally gray on the upper parts and white below. The wings and tail tend to be grayish- brown. The wings contain two faint white wing bars. Gray Vireos have white eye rings and indistinct whitish lores (area in front of the eyes). They have short, stocky, rounded bills typical of vireos. The distinctive song of the Gray Vireo can be described as a series of varied chu-ree chu-rah notes in sing-song phrases (high note, low note, high note, low note, etc.).

The Gray Vireo is distinguished from the similar Solitary Vireo (*Vireo solitarius*), which also is present on KAFB during the breeding season, by subtle differences in plumage, song and habitat. In physical appearance the Gray Vireo resembles the Rocky Mountain form of the

Solitary Vireo, which is also gray above and white below. The Solitary Vireo, however, has much bolder and more pronounced eye rings and lores. In addition, the white wing bars on a Solitary Vireo are bolder and more conspicuous. The song of the Solitary Vireo has a similar sing-song quality to that of the Gray Vireo, but the notes tend to be harsher and more growled. Overall, the song of the Gray Vireo can be described as higher pitched, faster and sweeter than that of the Solitary Vireo. In areas where both species breed, the Gray Vireo generally occupies lower, drier, less densely vegetated habitats, although some overlap is possible.

Reproduction. Gray Vireos generally build nests from two to eight feet off the ground in small, scrubby trees. Their cup-shaped nests are constructed from grass, shredded bark, leaves, plant fibers, spider webs, and cocoons (Ehrlich et al 1988). Both sexes participate in construction of the nests. Gray Vireo nests contain three to five eggs (most often four) which are rosy with brown spots. Incubation usually lasts 13-14 days and hatched birds usually fledge after 13-14 days (Ehrlich, et al 1988). Gray Vireos have been known to raise two broods.

Gray Vireos are a common victim of brood parasitism by Brown-headed Cowbirds (*Molothrus ater*). Female cowbirds lay an egg in the nest of a host species after removing one of the hosts eggs. The cowbird egg hatches a few days before the host species, giving the young cowbird a head start and enabling it to out-compete the host nestlings for food. The result is a failed nesting attempt for the host species.

METHODS

Examination of aerial photographs and topographic maps as well as personal reconnaissance were used were used to identify areas of potential Gray Vireo habitat within the study area. Field work was conducted by Charles Black under supervision of Patricia Mehlhop. Surveys consisted of walking through potential habitat in a zigzag fashion while listening for singing male Gray Vireos. Because Gray Vireos usually sing all day long and their song carries a fair distance, this method achieved good coverage. If suspected Gray Vireos were heard, the surveyor pursued the bird for a visual confirmation. The territories of singing birds were mapped as precisely as possible. When possible, the surveyor made a follow-up visit to each territory to verify that birds were still present.

Surveys for the Gray Vireo were conducted from May 3 - July 28, 1993. Intensive surveys were conducted for 13 days in May, with an additional one day in June and five days in July spent in follow-up observation focused on documenting reproduction.

RESULTS

All habitat considered potential for breeding Gray Vireos was surveyed. Twenty-four territorial males were detected on KAFB and the Forest Service Withdrawal Area. Of these 24, at least 13 were paired (probably more, but females are generally more difficult to detect).

During the season, two nests were located. The first was constructed, but never used. The second possibly fledged three young.

Habitat. Summering Gray Vireos on KAFB were found in ungrazed Juniper woodland (*Juniperus monosperma*) at the base of the western foothills of the Manzanita Mountains. They were found in an elevational belt of 5900-6600 feet with continuous habitat from Coyote Canyon on the north end of the Withdrawal Area along the west side of the Manzanita foothills to the south end of KAFB. In fact, Gray Vireos were heard singing to the south across the boundary on the Pueblo of Isleta. Vireos found in the lower portions of this belt were in a zone of Juniper woodland between foothills and grasslands. These areas tend to be flat grassland with a somewhat open canopy (estimated at 50% closure or greater). Vireos found at higher elevations tend to be on steep, sparsely vegetated slopes or in more densely vegetated canyon bottoms. In the canyon bottoms, vegetative diversity tends to be greater: Juniper dominated, with Apache Plume, Cholla, Mountain Mohoghany, Scrub Oak and a few Pinon Pines. Gray Vireos are entirely absent from dense Pinon-Juniper stands on the middle and upper sections of the Manzanita Foothills. This habitat contains breeding Solitary Vireos.

Behavior. Gray Vireos appeared more active than other Vireos, flicking their tails constantly while they foraged for insects. Males sang from exposed perches, usually atop Junipers. They sang through the heat of the day when other passerines tended to become quiet. The females were usually less conspicuous both while foraging and in vocalizing. Vocalizations were restricted to occasional scold notes. Individuals made long flights (100 meters or more) within their territories, making them difficult to pursue at times. They were observed scolding and harassing Pinon and Scrub Jays when the jays invaded a Vireo territory.

Seasonal Movement. Surveys conducted in May, soon after Gray Vireos arrived from their wintering grounds, revealed that birds were occupying a 500-foot elevational belt (5900- 6600 feet). Follow-up visits in July revealed that Gray Vireos had largely vacated lower areas of this belt. Territories that seemed to be present in lower, flatter more open stands of Juniper contained no singing birds in July, whereas higher, steeper more densely vegetated areas had many actively territorial birds. It seems possible that Gray Vireos occupy a broader habitat in the first month of arriving on their summering grounds. They may then move up into higher areas to breed. Visits made late in the season (July 27 and 28) revealed that Vireos were scattered and more difficult to find. Males were singing less, hence only a few birds were observed during this period.

Reproduction. Two nests were located during surveys. The first nest was found during its construction on May 20 at an elevation of 6540 feet, up a canyon at the west base of Mt. Washington (Fig. 3). The cup-shaped nest was on a Juniper limb over hanging a dry creek bed about eight feet off the ground. Black monitored this nest for about three hours. Both sexes aided in the construction of the nest. Both birds were seen carrying spider webs in their mouths. The male was observed ripping apart a cocoon, then weaving pieces of it into the nest. The male took periodic breaks from nest building to sing from exposed perches. At

Figure 3

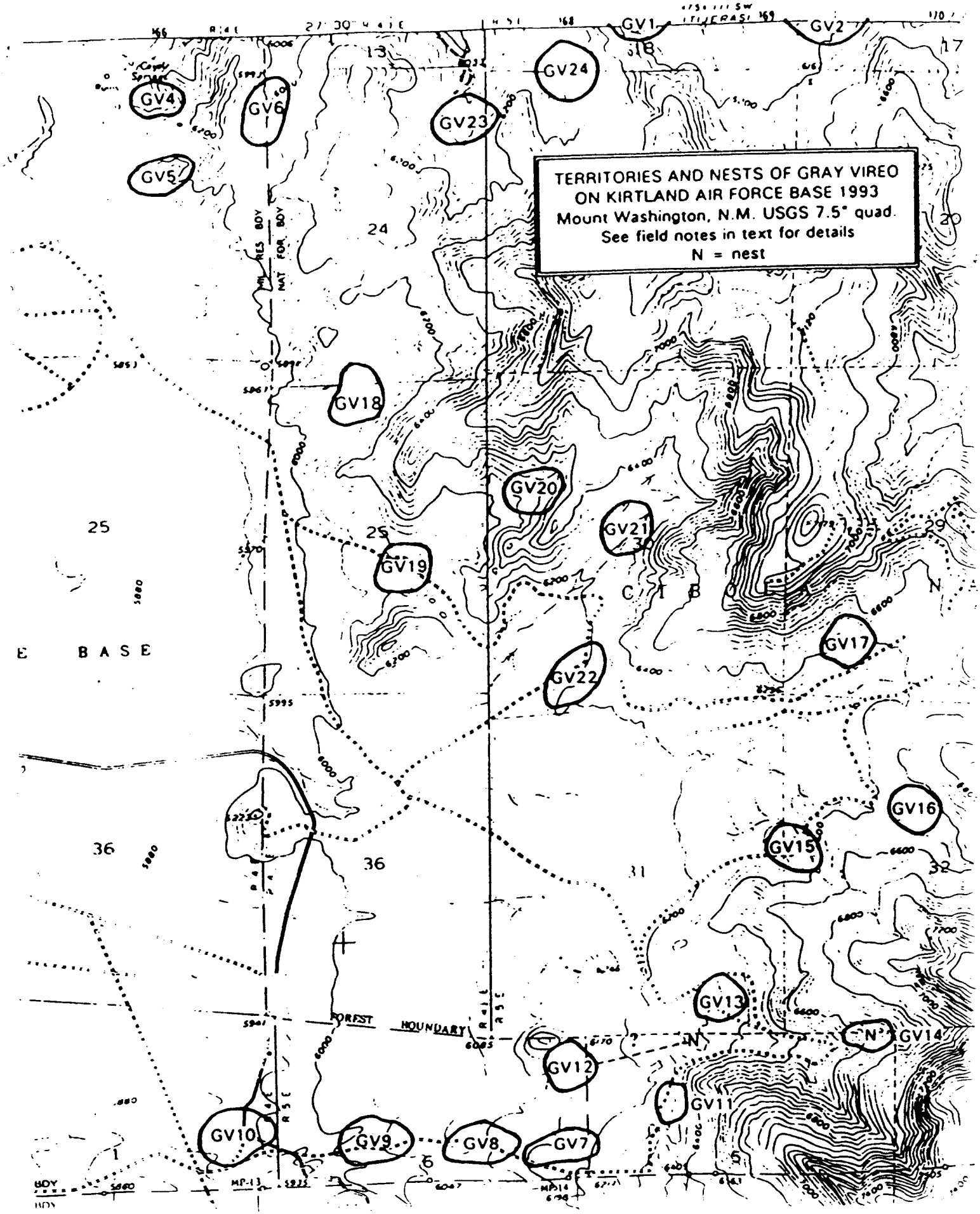
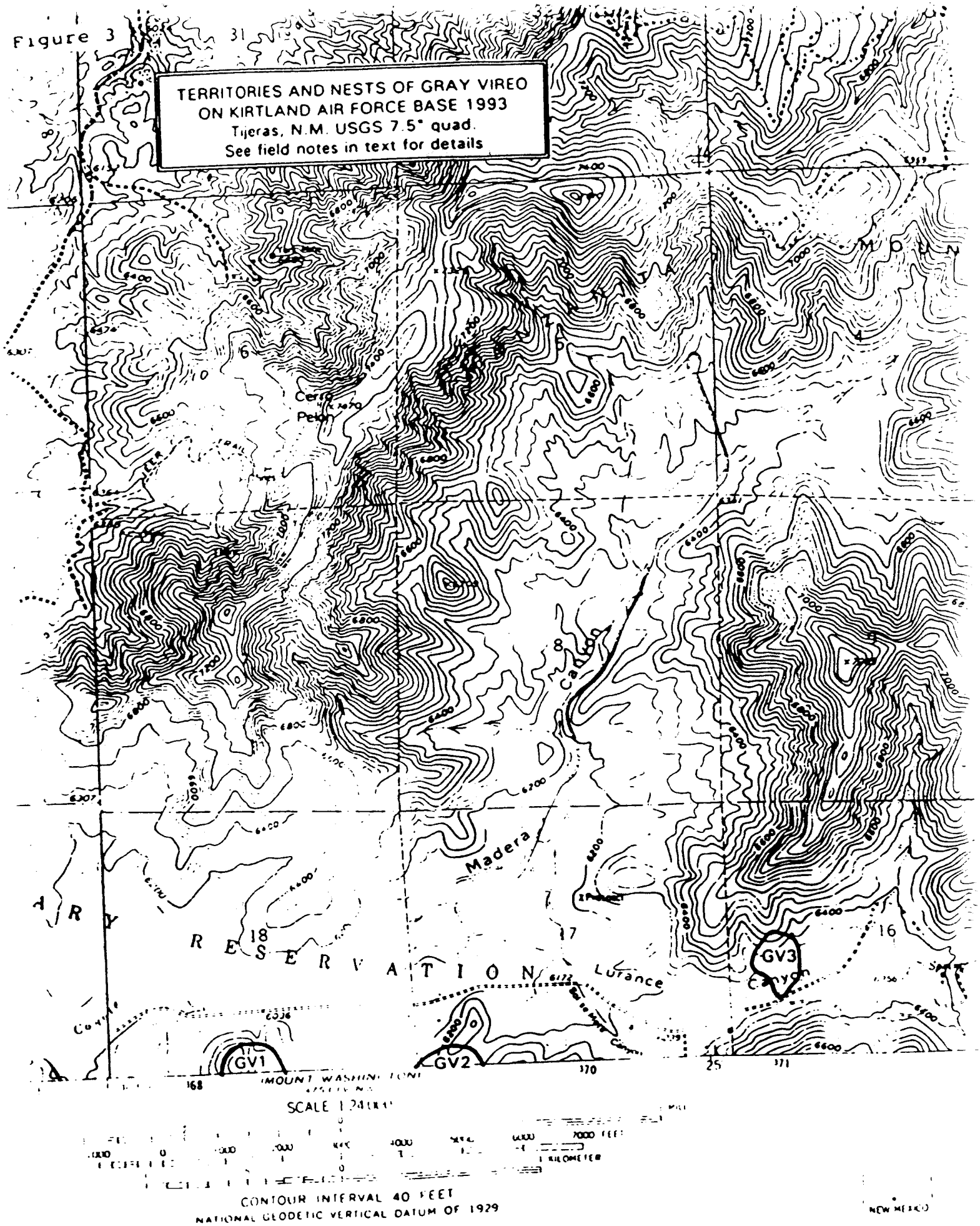

TERRITORIES AND NESTS OF GRAY VIREO
ON KIRTLAND AIR FORCE BASE 1993
Mount Washington, N.M. USGS 7.5' quad.
See field notes in text for details
N = nest
GV1
GV2
GV4
GV5
GV6
GV7
GV8
GV9
GV10
GV11
GV12
GV13
GV14
GV15
GV16
GV17
GV18
GV19
GV20
GV21
GV22
GV23
GV24
FOREST BOUNDARY
BASE

Figure 3


TERRITORIES AND NESTS OF GRAY VIREO
ON KIRTLAND AIR FORCE BASE 1993
Tijeras, N.M. USGS 7.5' quad.
See field notes in text for details
Cerro Pelon
Madera Canyon
GV1
GV2
GV3
Lurance Canyon
SCALE 1:24
CONTOUR INTERVAL 40 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

this point, the nest was only partially constructed. Upon closer examination, it was noted that the nest was woven with grass, spider webs, strips of juniper bark and feathers (presumably Gray Vireo feathers). He returned to the nest area on May 30, June 17, and July 6. The nest was completed and quite sturdy as of May 30, but was not used at any time during the season. One possible explanation for lack of egg laying is that the nest was constructed as a decoy to confuse cowbirds.

On July 6, an active nest was located at 6240 feet about five feet up in a Juniper along a wash about 1.5 miles west of Mt. Washington (Fig. 3). When the nest was first found, a female Gray Vireo was sitting on it. The nest contained a recently hatched cowbird and three Gray Vireo eggs. The eggs were pinkish-white with brownish spotting. Given that cowbird eggs usually hatch a few days before the host eggs, the Vireo eggs would probably hatch on July 7 or 8 and young would fledge around July 22 (personal communication Hart Schwarz). Upon returning to the nest July 27, it was found to be empty with weathered shell fragments in the bottom. This indicates that young possibly fledged successfully, although predation of the young in the nest was possible.

WORK PLANNED FOR 1994

1. Territories found in 1993 will be revisited to determine how many are occupied in 1994.

2. Intensive search efforts will be made for nests.

3. Nests will be monitored for reproductive success based on:
   a. brood parasitism by cowbirds
   b. nest predators such as jays
   c. clutch size
   d. number of eggs hatched

FIELD NOTES OF CHARLES BLACK (refer to Figure 3 for map of survey area.)

05-03 93 While conducting Peregrine Falcon surveys near the "Wench Site," I heard and saw the first Gray Vireo of the season.

05-07-93 I began Gray Vireo surveys in "Wench Site" area. I located two singing Gray Vireos in this area, GV1 and GV2. GV1 was a pair of birds which were found at the west end of the drainage at about 6160 feet in elevation. GV2 was a lone, singing bird at the east end of the canyon at 6200 feet.

05-12-93 I surveyed in Lurance Canyon. Initially, this canyon appeared to have potential habitat, although it was somewhat densely vegetated with a dominance of Pinon. I heard several Solitary Vireos singing in the upper part of the canyon. After walking the upper part of the survey area, I located a singing Gray Vireo (GV3) near the opening of Lurance

Canyon, at 6360 feet. No other birds were located in this canyon.

05-13-93 I surveyed an area of potential habitat to the north of Lurance Canyon north to the DOE boundary in the morning. I found no Gray Vireos in this area. In the afternoon, I surveyed lower Sol Se Mete Canyon and the hillside on the south side of Coyote Arroyo. I found no birds in Sol Se Mete Canyon; the habitat here was dominated by dense Pinon-Juniper stands. I heard one Gray Vireo singing on the hillside on the south side of Coyote Arroyo, but after I pursued it, I discovered that it was probably GV2, found on 05-07. Gray Vireos seemed to roam over fairly large areas (at least 200 meters square).

05-18-93 I surveyed around Coyote Springs and the areas to the south. I found GV4, a singing male on a sparsely vegetated hillside just south of the Coyote Springs Picnic area, at 5920 feet. A female bird was seen nearby. I found GV5, a lone singing bird on a dry, sparse hillside to the south, at 5960 feet. I found a pair of birds (GV6) in the back end of a north facing canyon at 6000 feet (Fig. 3). The habitat here was somewhat more lush than GV4 or GV5.

05-19-93 I began surveys at the south end of KAFB. I started in a long strip of Juniper woodland which extended out into the grassland along the southern boundary (with the Pueblo of Isleta). I found four singing males in this section (GV7, GV8, GV9, and GV10), all at approximately 6000 feet. These territories seemed to be defined, as I could hear two birds singing simultaneously at boundaries between territories. Later in the day, I found two more singing males to the east, at approximately 6200 feet, near the base of the foothills. Both these birds, GV11 and GV12, were paired. GV11 (the male) was probably building a nest in the area, as the beak was covered with spider webs.

05-20-93 I continued to survey in the southern area. I worked my way up a prominent canyon which drains off the west side of Mt. Washington (Fig. 3). I heard a singing male (GV13) in the open area at the base of this canyon at 6280 feet. Farther up the canyon, at 6540 feet, I found a pair of Gray Vireos (GV14) constructing a nest in a Juniper overhanging the creek bed.

05-21-93 I continued surveys in the southern area, working my way north along the foothills. I found GV15, a singing male, at the base of a small canyon, at 6360 feet. A singing male (GV16), with spider webs in beak, was located up a steep, densely vegetated draw, at about 6520. That afternoon, I heard a lone singing bird (GV17) on a steep, sparsely vegetated, south-facing hillside (Fig. 3).

05-26-93 Surveys were continued, working south from areas surveyed on 05-18. I located GV18 at about 6100 feet up a small draw in typical habitat. GV19 was heard singing at 6040 at the base of the canyon to the south. This bird was paired and carrying spider webs in its beak. I followed this pair through much of the afternoon, hoping to locate a nest. I was not successful. I found another pair GV20 about half a mile up the canyon on a steep hillside at about 6300 feet.

05-28-93 I continued surveys in the next canyon to the south. I heard a singing bird (GV21) in the back end of this canyon at 6300 feet. This bird had spider webs in beak, but no mate was seen. Later in the day, I located another singing Gray Vireo (GV22) near the mouth of the canyon to the south at around 6200 feet. After following this bird, I saw its probable mate. At this point, I had reached the site where I completed surveys on 05-21. This completed surveys on the western slope of the Manzanita foothills.

05-29-93 I began surveys in a major side canyon which enters Arroyo Coyote from the south. I located a pair (GV23) at about 6120 feet up a draw. In a small canyon to the west, I located another pair (GV24) at 6120. When I got to the east end of this draw, I heard another singing bird, which probably represented GV2.

05-30-93 At this time, all areas designated for survey had been covered, so I began follow-up work. This day, I worked my way up towards the nest (GV14) to check on it. I walked through the territories of GV11, GV12 and GV13. I heard singing birds in each of these areas. Upon reaching the nest I found it completed, but apparently not in use.

06-17-93 I returned to check on the nest and again found it abandoned, but I heard a Gray Vireo singing on a hillside nearby. I spent the rest of the day looking for nests in the area of GV11, GV12 and GV13, but was unable to locate one.

07-06-93 This day, I was joined by Hart Schwarz, a Forest Service biologist who has worked with Gray Vireos in the past. We went to the southern area, starting in the long strip of Junipers on the south boundary, where GV7, GV8, GV9 and GV10 were found. We heard only one distant Vireo in this area, suggesting that the birds found earlier may have moved up to breed. Hart and I then checked on the nest (GV14) and again found that it was not in use. Late in the morning, I located an active nest in the lower part of this canyon (Fig. 3). This nest probably represented GV12. The nest contained a recently hatched cowbird and three Gray Vireo eggs. In the afternoon we went to the north area, near Arroyo Coyote to look for more nests in the area of GV23 and GV24. We found no nests, but heard several Gray Vireos.

07-07-93 I began looking for nests in the canyon of GV16 and GV17. I followed singing birds through out the day, but could not find a nest.

07-27-93 I returned to the active nest found on 07-07 and found it to be empty, with some weathered shell fragments in the bottom. I searched the area for fledglings, but saw no Gray Vireos in the area. I heard one distant singing bird near GV11 to the south. Gray Vireos seemed less vocal by late July.

07-28-93 I returned to the canyon where I found GV16 and GV17 to look for fledglings. I found one singing adult in this area. I worked my way south into the areas of GV18 and GV19. I heard one distant singing bird, but saw no fledglings.

REFERENCES

Ehrlich, Paul, Dobkin, David S. and Wheye, Darryl 1988. The Birders Handbook: A Field Guide to the Natural History of North American Birds Simon and Schuster/Fireside Books Inc.

Johnsgard, Paul A. 1990. Life Histories of North American Raptors Smithsonian Institute Press.

National Geographic Society. 1988. Field Guide to Norht American Birds. Second Edition. National Geographic Press, Washington, D.C.

Appendix K

Analytical Data Quality Assurance and Quality Control

CONTROL LIMITS FOR MISCELLANEOUS PARAMETERS
SOIL/WATER
KIRTLAND AFB, ALBUQUERQUE, NEW MEXICO

Analytes	Method Reference	Laboratory Control Standard[1]	
		RPD (Max.)	% Recovery
Soil			
Am-241 by gamma spectrometry	E901.1	40%[2]	80.0-120[2]
Co-60 by gamma spectrometry	E901.1	40%[2]	80.0-120[2]
Cs-137 by gamma spectrometry	E901.1	40%[2]	80.0-120[2]
Gross Alpha	SW9310	36.6	76.9-133
Gross Beta	SW9310	30.0	92.8-116
Tritium	E906.0	40%[2]	78.1-110
Water			
Am-241 by gamma spectrometry	E901.1	15%[2]	80.0-120[2]
Co-60 by gamma spectrometry	E901.1	15%[2]	80.0-120[2]
Cs-137 by gamma spectrometry	E901.1	15%[2]	80.0-120[2]
Gross Alpha	SW9310	36.6	76.9-133
Gross Beta	SW9310	24.2	92.8-116
Tritium	E906.0	30.0	78.1-110

(1) Statistically-based control limits are recalculated semi-annually and are therefore subject to change.

(2) Statistically-based limits are not available.

Analytes	Lab Control Standard		Surrogate Standard % Recovery	
	RPD (max.)	% Recovery	Method Blanks	Samples
1,2-dichloropropane	13.3	67.6-124	—	—
cis-1,3-Dichloropropene	13.4	70.2-117	—	—
trans-1,3-Dichloropropene	9.90	69.7-119	—	—
Ethylbenzene	11.0	76.4-116	—	—
2-Hexanone	23.6	45.6-134	—	—
Methylene chloride	21.4	69.8-127	—	—
4-Methyl-2-pentanone	19.2	47.1-141	—	—
Styrene	15.7	77.5-116	—	—
1,1,2,2-Tetrachloroethane	13.5	65.2-124	—	—
Tetrachloroethene	14.3	49.5-138	—	—
Toluene	15.5	71.2-121	—	—
1,1,1-Trichloroethane	12.3	72.0-119	—	—
1,1,2-Trichloroethane	15.4	75.5-123	—	—
Trichloroethene	13.1	66.2-125	—	—
Vinyl acetate	17.7	44.1-142	—	—
Vinyl chloride	25.2	55.8-139	—	—
Xylenes	14.2	75.2-119	—	—
1,2-Dichloroethane-d_4 [3]	-	75.2-122	—	—
4-Bromofluoro-benzene [3]	-	87.4-112	—	—
Toluene-d_8 [3]	-	85.8-118	—	—

(1) Limits calculated from Table 7 of SW846 Method 8240.
(2) Statistically-based limits not available.
(3) These are surrogate compounds.
(4) Limits taken from Table 8 of SW846 Method 8240.
(5) Limits taken from U.S. EPA CLP Document No. OLM01.8.

NUS LABORATORY
CONTROL LIMITS FOR SEMIVOLATILES BY GC/MS METHOD 8270
SOIL
KIRTLAND AFB, ALBUQUERQUE, NEW MEXICO

Analytes	Lab Control Standard		Surrogate Standard % Recovery		Matrix Spikes[3][4]	
	RPD (max.)	% Recovery	Method Blanks	Samples	RPD (max.)	% Recovery
Acenaphthene	11.1	68.7-108	—	—	50[2]	46-118
Acenaphthylene	14.0	65.9-114	—	—	50[2]	28-151[1]
Anthracene	7.25	75.8-121	—	—	50[2]	31-131[1]
Benzo(a)anthracene	15.8	75.7-108	—	—	50[2]	45-130[1]
Benzo(b)fluoranthene	16.5	72.5-118	—	—	50[2]	30-153[1]
Benzo(k)fluoranthene	16.6	61.4-151	—	—	50[2]	34-137[1]
Benzo(g,h,i)perylene	36.1	47.6-146	—	—	50[2]	10-189[1]
Benzo(a)pyrene	14.7	68.1-119	—	—	50[2]	29-151[1]
Benzyl Alcohol	16.8	39.8-111	—	—	50[2]	25-125[1]
bis(2-chloroethoxy)methane	6.65	75.2-129	—	—	50[2]	52-162[1]
bis(2-chloroethyl)ether	12 0	66.9-105	—	—	50[2]	10-170[1]
bis(2-chloroisopropyl)ether	9.93	53.0-136	—	—	50[2]	27-174[1]
bis(2-ethylhexyl)phthalate	13.8	59.2-119	—	—	50[2]	16-150[1]
4-Bromophenyl phenyl ether	5.24	64.9-116	—	—	50[2]	53-127[1]
Butyl benzyl phthalate	15.2	70.3-120	—	—	50[2]	27-102[1]
4-Chloroaniline	20.3	10.0-62.0	—	—	50[2]	25-125[1]
2-Chloronaphthalene	22.5	59.2-111	—	—	50[2]	25-125[1]
4-Chlorophenyl phenyl ether	9.85	65.4-112	—	—	50[2]	39-144[1]
Chrysene	9.57	68.7-110	—	—	50[2]	14-170[1]
Dibenz(a,h)anthracene	10.8	61.6-128	—	—	50[2]	10-202[1]
Dibenzofuran	18.6	72.0-104	—	—	50[2]	25-125[1]
Di-n-butylphthalate	17.8	45.1-135	—	—	50[2]	33-86[1]
1,2-Dichlorobenzene	12.9	66.4-93.6	—	—	50[2]	31-130[1]
1,3-Dichlorobenzene	10.1	65.0-90.7	—	—	50[2]	19-151[1]
1,4-Dichlorobenzene	11.2	66.0-93.0	—	—	50[2]	36-97
3,3-Dichlorobenzene	24.1	25.3-74.4	—	—	50[2]	10-225[1]
Diethyl phthalate	9.68	42.9-131	—	—	50[2]	10-85[1]
Dimethyl phthalate	15.0	67.4-107	—	—	50[2]	25-125[1]
2,4-Dinitrotoluene	3.12	68.3-109	—	—	50[2]	26-96
2,6-Dinitrotoluene	17.4	69.6-112	—	—	50[2]	56-149[1]
Di-n-octyl phthalate	11.4	63.0-125	—	—	50[2]	24-126[1]

CONTROL LIMITS FOR SEMIVOLATILES BY GC/MS METHOD 8270
SOIL
KIRTLAND AFB, ALBUQUERQUE, NEW MEXICO

Analytes	Lab Control Standard		Surrogate Standard % Recovery		Matrix Spikes[3][4]	
	RPD (max.)	% Recovery	Method Blanks	Samples	RPD (max.)	% Recovery
Fluorene	18.4	71.3-104	—	—	50[2]	57-123[1]
Hexachlorobenzene	6.74	55.0-126	—	—	50[2]	35-115[1]
Hexachlorobutadiene	28.0	56.4-110	—	—	50[2]	27-113[1]
Hexachlorocyclopentadiene	33.3	18.1-141	—	—	50[2]	25-125[1]
Hexachloroethane	12.8	61.5-97.7	—	—	50[2]	33-111[1]
Indeno(1,2,3-cd)pyrene	10.9	57.6-134	—	—	50[2]	10-144
Isophorone	5.57	68.3-119	—	—	50[2]	19-208[1]
2-Methylnaphthalene	5.15	57.0-110	—	—	50[2]	25-125[1]
Naphthalene	7.11	70.1-98.2	—	—	50[2]	33-111[1]
2-Nitroaniline	7.58	52.0-149	—	—	50[2]	10-144[1]
3-Nitroaniline	16.9	38.8-102	—	—	50[2]	19-208[1]
4-Nitroaniline	20.0	54.6-107	—	—	50[2]	25-125[2]
Nitrobenzene	12.1	65.3-116	—	—	50[2]	30-125[1]
N-Nitroso-di-n-butylamine	20[2]	25-125[2]	—	—	50[2]	25-125[2]
N-Nitrosodimethylamine	20[2]	25-125[2]	—	—	50[2]	25-125[2]
N-Nitrosodiphenylamine	6.92	80.6-116	—	—	50[2]	25-125[2]
N-Nitrosodipropylamine	9.21	62.2-126	—	—	50[2]	41-116
Phenanthrene	10.6	68.5-116	—	—	50[2]	54-120[1]
Pyrene	15.5	72.5-115	—	—	50[2]	26-127
1,2,4,5-Tetrachlorobenzene	20[2]	25-125[2]	—	—	50[2]	25-125[2]
1,2,4-Trichlorobenzene	15.4	67.0-98.7	—	—	50[2]	39-98
Benzoic Acid	262	10-837	—	—	50[2]	25-125[2]
4-Chloro-3-methylphenol	8.14	76.6-107	—	—	50[2]	26-103
2-Chlorophenol	8.38	68.5-96.7	—	—	50[2]	25-107
2,4-Dichlorophenol	9.57	62.7-104	—	—	50[2]	44-130[1]
2,4-Dimethylphenol	16.4	68.5-103	—	—	50[2]	36-115[1]
4,6-Dinitro-2-methylphenol	32.2	29.0-124	—	—	50[2]	10-225[1]
2,4-Dinitrophenol	17.7	27.0-96.2	—	—	50[2]	10-142[1]
2-Methylphenol	5.67	68.6-107	—	—	50[2]	25-125[2]
4-Methylphenol	7.87	10-221	—	—	50[2]	25-125[2]
2-Nitrophenol	9.18	65.4-113	—	—	50[2]	25-125[2]
4-Nitrophenol	28.4	10-144	—	—	50[2]	11-114
Pentachlorophenol	58.0	10-146	—	—	50[2]	17-109

CONTROL LIMITS FOR SEMIVOLATILES BY GC/MS METHOD 8270
SOIL
KIRTLAND AFB, ALBUQUERQUE, NEW MEXICO

Analytes	Lab Control Standard		Surrogate Standard % Recovery		Matrix Spikes[3][4]	
	RPD (max.)	% Recovery	Method Blanks	Samples	RPD (max.)	% Recovery
Phenol	9.74	66.7-103	—	—	50[2]	26-90
2,4,5-Trichlorophenol	6.64	66.6-112	—	—	50[2]	25-126[2]
2,4,6-Trichlorophenol	6.85	43.0-112	—	—	50[2]	25-125[2]
Nitrobenzene-d_5[5]	—	66.6-109	13-124	23-120[4]	50[2]	—
2-Fluorobiphenyl[5]	—	49.6-116	17-115	30-115[4]	50[2]	—
p-Terphenyl-d_{14}[5]	—	45.3-111	15-157	18-137[4]	50[2]	—
Phenol-d_5	—	56.7-106	14-121	24-113[4]	50[2]	—
2-Fluorophenol[5]	—	54.3-93.1	10-117	25-121[4]	50[2]	—
2,4,6-Tribromophenol[5]	—	51.5-90.9	18-128	19-122[4]	50[2]	—

[1] Limits calculated from Table 7 of SW846 Method 8240.

[2] Statistically-based limits not available.

[3] 99 percent confidence interval presented for information only. If LCS/LCSD are acceptable, no action is taken for values exceeding this interval.

[4] Limits are subject to change following periodic recalculation of mean and standard deviation. The control limits in effect at the time of sample analysis will be used. Lab control standard RPD and recovery are used to judge data acceptability. Matrix spike RPD and recovery are for information only. Reanalysis will not be performed if the matrix spike limits are exceeded.

[5] These are surrogate compounds.

[6] Limits taken from Table 8 of SW846 8270.

CONTROL LIMITS FOR SEMIVOLATILES BY GC/MS METHOD 8270
SOIL
KIRTLAND AFB, ALBUQUERQUE, NEW MEXICO

Analytes	Lab Control Standard		Surrogate Standard % Recovery		Matrix Spikes[3&4]	
	RPD (max.)	% Recovery	Method Blanks	Samples	RPD (max.)	% Recovery
Fluoranthene	26.0	71.9-135	—	—	50[2]	30-124[1]

D-04-94-19

CHEMICAL ANALYSES TO BE CONDUCTED ON SAMPLES AT KIRTLAND AFB, ALBUQUERQUE, NEW MEXICO

Parameter	Method	Analyte	Method or Instrument Detection Limit[4][5]		Practical Quantitation Limit[1]	
			Water (mg/L)	Soil[2] (mg/kg)	Water (mg/L)	Soil (mg/kg)
ICP Metals	SW-846 3050/6010(S)	Aluminum	0.02	2	0.5	50
		Barium	0.002	0.2	0.02	2
		Beryllium	0.002	0.1	0.003	0.3
		Cadmium	0.005	0.5	0.04	4
		Calcium	0.02	2	0.1	10
		Cobalt	0.01	0.6	0.07	7
		Copper	0.001	/0.2	0.06	6
		Iron	0.008	2	0.07	7
		Magnesium	0.03	2	0.3	30
		Manganese	0.003	0.2	0.02	2
		Molybdenum	0.02	1	0.08	8
		Nickel	0.03	2	0.15	15
		Potassium	0.2	9	5	500
		Silver	0.003	0.3	0.07	7
		Sodium	0.03	3	0.3	30
		Vanadium	0.004	0.4	0.08	8
		Zinc	0.007	0.6	0.02	2
Lead (Graphite Furnace)	SW-846 3050/7421(W)	Lead	0.001	(PE3030) .09 (PE5100) 0.2	0.005	0.005
Volatile Organic Compounds	SW-846 8240	Acetone	4	10	100	100
		Benzene	2	2	5	5
		Bromodichloromethane	1	2	5	5
		Bromoform	3	2	5	5
		Bromomethane	2	2	10	10
		2-Butanone	9	3	100	100
		Carbon disulfide	6	1	5	5

Parameter	Method	Analyte	Method or Instrument Detection Limit[4][6]		Practical Quantitation Limit[1]	
			Water (mg/L)	Soil[2] (mg/kg)	Water (mg/L)	Soil (mg/kg)
Volatile Organic Compounds (Continued)	SW-846 8240	Carbon tetrachloride	6	1	5	5
		Chlorobenzene	1	2	5	5
		Dibromochloromethane	2	2	5	5
		Chloroethane	3	2	10	10
		2 Chloroethyl vinyl ether	3	2	10	10
		Chloroform	2	2	5	5
		Chloromethane	3	3	10	10
		1,1-Dichloroethane	3	1	5	5
		1,2-Dichloroethane	2	2	5	5
		1,1-Dichloroethene	6	1	5	5
		trans-1,2 Dichloroethene	4	2	5	5
		1,2-Dichloropropane	2	2	5	5
		cis-1,3-Dichloropropene	2	2	5	5
		trans-1,3-Dichloropropene	3	2	5	5
		Ethylbenzene	2	2	5	5
		2-Hexanone	4	3	50	50
		Methylene chloride	3	2	5	5
		4-Methyl-2-pentanone	3	3	50	50
		Styrene	2	2	5	5
		1,1,2,2-Tetrachloroethane	3	2	5	5
		Tetrachloroethene	3	2	5	5
		Toluene	2	2	5	5
		1,1,1-Trichloroethane	4	1	5	5
		1,1,2-Trichloroethane	2	2	5	5
		Trichloroethene	2	1	5	5
		Vinyl acetate	3	2	50	50
		Vinyl chloride	4	2	10	10
		Xylene (Total)	2	2	5	5

Parameter	Method	Analyte	Method or Instrument Detection Limit[4][6]		Practical Quantitation Limit[1]	
			Water (mg/L)	Soil[2] (mg/kg)	Water (mg/L)	Soil (mg/kg)
Soil Moisture	ASTM D-2216-80		NA	NA	NA	NA
Radioactivity	SW-846 9310	Gross Alpha	3[7]	5	4	[5]
		Gross Beta	4[7]	3	4	[5]
	EPA 901.1	Gamma Spectrometry	*[7]	*[7]	NA	NA
	EPA 906.0	Tritium	1000[7]	3	NA	NA

(1) Practical quantitation limits as per 1993 IRP Handbook or project requirements

(2) Detection limits for soil samples are determined by adjusting for percent moisture and dilutions used for sample preparation.

(3) AFCEE approval will be obtained prior to the use of EPA Method 418.1

(4) Instrument detection limits are reported for metals analytes only. The method detection limits are listed for all other analytes.

(5) Establish PQLs prior to analysis.

(6) Results will be reported to the most current detection limits at the time sample analysis is performed.

(7) Minimum Detectable Activity is affected by sample aliquot size and counting time and will be based on the counting error for each sample.

* Attachment A lists representative minimum detectable activities obtained by gamma spectrometry for representative sample aliquots and counting times.

\- Not found in literature review.

NA Not applicable.

ND Not determined.

K.2 Field Equipment Calibration Logs

ERG Environmental Restoration Group, Inc.
12809 Arroyo de Vista NE
Albuquerque, New Mexico 87111
(505) 298 4224

SHIP TO:

Kevin Walter
Brown & Root Environmental
2300 Buena Vista SE, Suite 110
Albuquerque, NM 87106

P.O.# 2245-2A56-P00385

Date Shipped	Description
03/18/94	1 Ludlum Model 19, Serial #98063 1 Ludlum Model 12, Serial #102829 1 Ludlum Model 44-9, Serial #PR103362 1 Cs Source, Serial #92CS2500934 4 Calibration Certificates 3 Manuals

ERG
Environmental Restoration Group, Inc
12809 Arroyo de Vista NE
Albuquerque, New Mexico 87111
(505) 298 4224

CERTIFICATE OF CALIBRATION

Model 44-9 S/N PR103362

Source Tc 93TC4700530 Strength 29,000 dpm

GM Tube Voltage 900± 50 Volts DC

HV set 900 VDC (Instrument) _____ VDC ( )

Counts for 2979 / 0.5 Mins

Counts Background 35 / 0.5 Mins

Net cpm 5848

Eff = $\frac{\text{cpm}}{\text{dpm (source)}}$ = 0.2 = _____ cpm/dpm (2)

Function Check:

Source: _____

cpm _____

Comments _____

Date 2/11/94 Calibrated by Kenneth R Bahr

Designer and Manufacturer of Scientific and Industrial Instruments

LUDLUM MEASUREMENTS, INC.
POST OFFICE BOX 810 PH 915-235-5494
501 OAK STREET FAX NO. 915-235-4672
SWEETWATER, TEXAS 79556, U.S.A.

CERTIFICATE OF CALIBRATION

OMER Environmental Restoration Group ORDER NO. 204921

Ludlum Measurements, Inc Model 19 Serial No. 98063

Model Serial No.

Date 03/07/94 Cal Due Date 03/07/95 Cal Interval 1 Year Meterface 202-016

mark ☑ applies to applicable instr. and/or detector IAW mfg spec. T 74 °F RH 52 % Alt 706.8 mm Hg

New Instrument Instrument Received ☑ Within Toler. +-10% ☐ 10-20% ☐ Out of Tol. ☐ Requiring Repair

Mechanical ck. ☑ Meter Zeroed ☐ Background Subtract ☐ Input Sens. Linearity

F/S Resp. ck ☑ Reset ck. ☐ Window Operation

Audio ck. ☐ Alarm Setting ck. ☑ Batt. ck. (Min. Volt) 2.2 VDC

ment Volt Set 846 V Input Sens. 35 mV Det. Oper. V at mV Threshold Dial Ratio = m.

☐ HV Readout (2 points) Ref./Inst. / V Ref./Inst. / V

MMENTS:

alibration GM detectors positioned perpendicular to source except for M 44-9 in which the front of probe faces source

RANGE/MULTIPLIER	REFERENCE CAL. POINT	INSTRUMENT REC'D "AS FOUND READING"	INSTRUMENT METER READING*
5000	4000 uR/hr	3700	4000
5000	1000 uR/hr	1000	1000
500	400 uR/hr = 6930 cpm	400	400
500	100 uR/hr = 17400 "	100	100
250	200 uR/hr = 34500 "	205	200
250	100 uR/hr = 17200 "	105	100
50	6930 cpm	41	40
50	1740 cpm	11	10
25	3450 cpm	22	20
25	1720 cpm	11	10

*Uncertainty within ± 10% C.F. within ± 20%

50, 25 Range(s) Calibrated Electronically

	REFERENCE CAL. POINT	INSTRUMENT RECEIVED	INSTRUMENT METER READING*
ft			

	REFERENCE CAL. POINT	INSTRUMENT RECEIVED	INSTRUMENT METER READING*
Log Scale			

Measurements, Inc. certifies that the above instrument has been calibrated by standards traceable to the National Institute of Standards and Technology, or to the calibration facilities of International Standards Organization members, or have been derived from accepted values of natural physical constants or have been derived by the ratio type of calibration techniques. The calibration system conforms to the requirements of MIL-STD-45662A and ANSI N323-1978. State of Texas Calibration License No. LO-1963

nce Instruments and/or Sources:

37 Gamma S/N ☐ 1162 ☐ G112 ☐ M565 ☐ S105 ☐ T1008 ☑ T879 ☐ Neutron Am-241 Be S/N T-304

Alpha S/N ☐ Beta S/N ☐ Other

m S/N 63888 ☑ Oscilloscope S/N 7090296 ☑ Multimeter S/N A32733

ated By: Stephen Herington Date 3-7-94

ewed By: Jimmie Fleming Date 3-8-94

CZZA 02/04/94

HALLIBURTON NUS
Environmental Corporation

EQUIPMENT CALIBRATION LOG

Instrument (Name/Model No./Serial No.): Hnu PID 101, NJ-6613

Manufacturer Hnu **Date Purchased** _____

	Calibration Date	Initial Settings	Standard/Gas Used	Procedure	Adjustments Made	Final Settings	Signature	Comments
	6-23-94	7.32	ISO BUTYLENE 56 ppm	ME-01	Yes (span) NONE	7.30	JPC	56 ppm 0700
	6-24-94	7.30	"	"	NO	"	"	0745 56ppm
	6-27-94	7.30	"	"	Yes (Span)	7.10	JPC	1305 56ppm 1620 56ppm
	6-28-94	7.10	"	"	NO	7.10	JPC	0715 56ppm
	6-29-94	7.10	"	"	NO	7.10	JPC	0720 56ppm
*	6-30-94	7.10	"	"	Yes (Span)	7.38	JPC	0830 56ppm
	7-05-94	7.38	"	"	Yes (span)	7.70	BW	0700 56ppm 1800 50 ppm
	7/6/94	7.70	"	"	NO	7.70	BW	0650 56ppm 1600 32ppm
	7/7/94	7.70	"	"	Yes (span)	7.30	BW	0645 56ppm 1535 51ppm
⇒	7/13/94	7.30	"	"	NO	"	BW	0728 56ppm
	7/14/94	7.30	"	"	Yes (span)	6.90	BW	0635 56ppm
	7/15/94	6.9	"	"	NO	6.9	JC	0730 56ppm
	7/17/94	6.9	"	"	NO	6.9	BW	0715 56ppm

* Cleaned instrument/working prop. after failing on 6-30-94 on the first

HALLIBURTON NUS
Environmental Corporation

EQUIPMENT CALIBRATION LOG

Instrument (Name/Model No./Serial No.): Foxboro OVA 108 A 21507

Manufacturer Foxboro Date Purchased RENTAL Env. Inst Services Inc 7/5

Calibration Date	Initial Settings	Standard/Gas Used	Procedure	Adjustments Made	Final Settings	Signature	Comments
7/5/94		100ppm CH_4 & 2% 11/22/94	ME O2	NONE		KC	100ppm = 1115
7-15-94	540	"	"	"	540	SPC	100 ppm 0900

HALLIBURTON NUS
Environmental Corporation

EQUIPMENT CALIBRATION LOG

Instrument (Name/Model No./Serial No.): OVA 128 50714

Manufacturer FoxBoro Date Purchased Rental

Calibration Date	Initial Settings	Standard/Gas Used	Procedure	Adjustments Made	Final Settings	Signature	Comments
7/12/94		100ppm CH4	ME-02	—	—	KC	0745 100ppm

HALLIBURTON NUS
Environmental Corporation

EQUIPMENT CALIBRATION LOG

Instrument (Name/Model No./Serial No.): 50492 OVA 128

Manufacturer Foxboro Date Purchased Rent PIH NUS

Calibration Date	Initial Settings	Standard/Gas Used	Procedure	Adjustments Made	Final Settings	Signature	Comments
7/12/94	—	100 ppm Methane	ME-02	—			0745 100ppm CH4 AC
7/14/94	3.80	"	"	Yes	4.90	BW	0645 100 ppm CH4

HALLIBURTON NUS
Environmental Corporation

EQUIPMENT CALIBRATION LOG

Instrument (Name/Model No./Serial No.): OVA 108 121793

Manufacturer CENTURY foxBORO Date Purchased _____

Calibration Date	Initial Settings	Standard/Gas Used	Procedure	Adjustments Made	Final Settings	Signature	Comments
6-28 94	630	Methane 100ppm	ME-02	NONE	6.30	SPC	0730 100ppm
6-29-94	630	"	"	"	6.30	SPC	0730 100ppm
6-30-94	630	"	"	Yes (span)	6.36	SPC	0800 100ppm
7-05-94	~~6.36~~ 6.06	"	"	Yes (span)	6.06	BW	0710 100ppm 1800 90ppm
7/6/94	6.06	"	"	Yes (span)	6.18	BW	0650 100ppm
7/7/94	6.18	"	"	No	6.18	SPC	0705 100ppm
7/8/94	6.18	"	"	No	6.18	SPC	0645 100ppm
7/9/94	6.18	"	"	No	6.18	SPC	0700 100ppm
7-12-94	6.18	"	"	YES	6.34	SPC	0915 100ppm
7-15-94	6.34	"	"	Yes	6.32	BW	0745 100ppm

HALLIBURTON NUS
Environmental Corporation

EQUIPMENT CALIBRATION LOG

Instrument (Name/Model No./Serial No.): Ludlum 19 STAGE 2B

Manufacturer _____ Date Purchased _____

Calibration Date	Initial Settings	Standard/Gas Used	Procedure	Adjustments Made	Final Settings	Signature	Comments
6-14-94	N/A	Cs 137	PASSIVE READING	NONE	NONE	SAC	1,000
6-15-94	"	"	"	"	"	SPC	1,000
6-16-94	"	"	"	"	"	SPC	1,000
6-17-94	"	"	"	"	"	SPC	1,000
6-20-94	"	"	"	"	"	SPC	1,000
6-20-94	"	"	"	"	"	SPC	1,000
6-21-94	"	"	"	"	"	SPC	1,000
6-22-94	"	"	"	"	"	SPC	1,000
6-23-94	"	"	"	"	"	SPC	1,000
6-24-94	"	"	"	"	"	SPC	1,000
6-27-94	"	"	"	"	"	SPC	1,000
6-28-94	"	"	"	"	"	SPC	1,000
6-29-94	"	"	"	"	"	SPC	1,000
063094	"	"	"	"	"	SPC	1,000
070594	"	"	"	"	"	BW	1,000
7/6/94	"	"	"	"	"	BW	1,000

HALLIBURTON NUS
Environmental Corporation

EQUIPMENT CALIBRATION LOG

Instrument (Name/Model No./Serial No.): μR meter 104527 Model 19

Manufacturer Ludlum Date Purchased Rental 7/5 ERG

Calibration Date	Initial Settings	Standard/Gas Used	Procedure	Adjustments Made	Final Settings	Signature	Comments
7/5		Cs 137				KC	1000 uR/hr
7-6-94		Cs 137				SPC	1000 μR/hr
7-7-94		Cs 137				SPC	1000 μR/hr

HALLIBURTON NUS
Environmental Corporation

EQUIPMENT CALIBRATION LOG

Instrument (Name/Model No./Serial No.): HNU PID 101 SN 301013

Manufacturer HNU Date Purchased

Calibration Date	Initial Settings	Standard/Gas Used	Procedure	Adjustments Made	Final Settings	Signature	Comments
7/17/94	9.8	Isobutylene 56ppm	ME-01	None	9.8	BW	56ppm 0710
7/18/94	"	"	"	None	"	BW	56ppm 0700
7/26/94	"	"	"	None	"	RML	55 ppm 0900
7/28/94	9.8	"	ME-01	None	9.8	RML	55.5ppm 0720
7/29/94	9.8	"	"	NONE	9.8	MAG	56 ppm 0725
7/30/94	9.8	"	"	NONE	"	MAG	55 ppm 0740
7/31/94	9.8	"	"	NONE	"	MAG	55 ppm 0800

ERG
Environmental Restoration Group Inc
12809 Arroyo Vista NE
Albuquerque New Mexico 87111
(505) 298 4224

CERTIFICATE OF CALIBRATION

Customer _____

Order No _____

Mfg Ludlum Model 12 Serial No 102829

Mfg _____ Detector Model _____ Serial No _____

Cal. Date 12-28-93 Cal. Due 12-28-94 Temperature 70 °

Cal. Interval _____ Procedure: In accordance with Mfg. Spec. Humidity 30 %

INSTRUMENT RECEIVED

- ☑ Within tolerance + — 10%
- ☐ 10%-20%
- ☐ New instrument
- ☐ Out of tolerance
- ☐ Requiring repair

OPERATING PARAMETERS

- ☐ Threshold Dial Setting _____
- ☐ Input sensitivity 10 mV
- ☐ Det. Oper. voltage _____ V.
- ☐ Det. performance check only

COMMENTS:
Checked HV from 500 - 1500 VOLTS

RANGE MULTIPLIER	REFERENCE CALIBRATION POINT	INSTRUMENT DIAL READING	INSTRUMENT RECEIVED "AS FOUND" READING
1000	400 Kcpm	400 Kcpm	400 Kcpm
1000	100 Kcpm	100	100
100	40 "	40	39.5
100	10 "	10	10
10	4 "	4	4
10	1 "	1	1
1	400 cpm	400	400
1	100 "	100	100

Range(s) Calibrated with Ludlum Model 500 Pulser

CALIBRATION—NIST TRACEABLE

☐ Cs137 Gamma ☐ Neutron Am-241/Be

☐ Alpha _____ ☐ Beta _____ ☐ Other _____

☐ ELECTRONIC CALIBRATION

Calibrator Kenneth C Bales

Date 12-28-93 Quality Control _____

THE SOURCE INC.

Radiation standards and check sources
2810 Siler Lane, Santa Fe, NM 87501
(505)473-9538 FAX(505)473-5805

Ref. PO# 26-1673

Certificate of Calibration

(Gamma Sources)

The Cesium 137 gamma ray emmission rate was compared with a NIST (formerlyNBS) SRM 4200B-134 . The comparison was completed using a Sodium Iodide or GeLi gamma detector.

The gamma activity of the standard on 03/12/92 was 9.20uCi .

The uncertainty of the measurement and the activity of the source is 10.0% which is the sum of the uncertainty of the NBS standard and the random error of counting at the 99% confidence interval.

Serial NO. 92CS2500934

Active Diameter(or area) ½" Mounting Material Plastic

Total Diameter(or area) 1" Thickness 1/8"

Calibrated by: _____ Calibration Manager
Michael A. Ortiz

Date Signed: 03-18-92

Approved by: _____ Q.A. Manager
Charles L. Gonzales

K.3 Data Validation Memos

QUALITY CONTROL LIMITS FOR INORGANICS - SOIL/WATER
KIRTLAND AFB, ALBUQUERQUE, NEW MEXICO

Analytes	Method Reference	Lab Control Standard[1]	
		RPD (Max.)	% Recovery
Soil			
Aluminum	SW3050/SW6010	40	54.1-145
Barium	SW3050/SW7841	40	71.0-115
Beryllium	SW3050/6010	40	74.5-105
Cadmium	SW3050/6010	40	71.9-105
Calcium	SW3050/6010	40	53.4-127
Cobalt	SW3050/6010	40	64.7-130
Copper	SW3050/6010	40	54.6-126
Iron	SW3050/6010	40	71.0-128
Magnesium	SW3050/6010	40	66.6-120
Manganese	SW3050/6010	40	74.5-115
Molybdenum	SW3050/6010	40	54.7-121
Nickel	SW3050/6010	40	78.6-110
Potassium	SW3050/6010	40	51.7-141
Silver	SW3050/6010	40	51.8-124
Sodium	SW3050/6010	40	61.1-129
Vanadium	SW3050/6010	40	63.3-132
Zinc	SW3050/6010	40	66.2-111
Lead	SW3050/SW7421	40	50.0-150
Water			
Aluminum	SW3005/SW6010	3.93	92.2-108
Barium	SW3005/SW6010	6.60	93.7-102
Beryllium	SW3005/SW6010	20.0	95.3-109
Cadmium	SW3005/SW6010	20.0	82.0-119
Calcium	SW3005/SW6010	4.26	91.9-105
Cobalt	SW3005/SW6010	20.0	95.4-109
Copper	SW3005/SW6010	20.0	94.2-106
Iron	SW3005/SW6010	5.13	94.9-108
Lead	SW3005/SW7421	18.9	72.3-122
Magnesium	SW3005/SW6010	2.06	94.8-104

Analytes	Method Reference	Lab Control Standard[1]	
		RPD (Max.)	% Recovery
Manganese	SW3005/SW6010	3.40	95.7-106
Molybdenum	SW3005/SW6010	20.0	91.7-101
Nickel	SW3005/SW6010	5.87	92.5-111
Potassium	SW3005/SW6010	3.93	87.8-106
Silver	SW3005/SW6010	20.0	68.0-147
Sodium	SW3005/SW6010	2.79	92.3-105
Vanadium	SW3005/SW6010	20.0	94.0-101
Zinc	SW3005/SW6010	8.19	92.0-105

[1] Limits are subject to change following periodic recalculation of mean and standard deviation. The control limits in effect at the time of sample analysis will be used.

Lab control standard RPD and recovery are used to judge data acceptability. Matrix spike RPD and recovery are for information only. Reanalysis will not be performed if the matrix spike limits are exceeded.

CONTROL LIMITS FOR VOLATILES BY GC/MS METHOD 8240 - SOIL/WATER
KIRTLAND AFB, ALBUQUERQUE, NEW MEXICO

Analytes	Lab Control Standard		Surrogate Standard % Recovery	
	RPD (max.)	% Recovery	Method Blanks	Samples
Soil				
Acetone	87.8	10-202	—	—
Acrylonitrile	20[2]	50-150[2]	—	—
Benzene	4.94	56.6-155	—	—
Bromodichloromethane	7.14	68.2-150	—	—
Bromoform	18.0	70.2-139	—	—
Bromomethane	21.9	43.2-174	—	—
2-Butanone	31.3	15.9-229	—	—
Carbon disulfide	9.22	10-246	—	—
Carbon tetrachloride	7.31	77.4-137	—	—
Chlorobenzene	9.22	69.3-136	—	—
Chlorodibromomethane	7.49	70.6-139	—	—
Chloroethane	4.56	59.9-171	—	—
2-Chloroethyl vinyl ether	31.0	10-222	—	—
Chloroform	20[2]	66.9-159	—	—
Chloromethane	6.53	37.6-178	—	—
Dichlorodifluoromethane	9.61	50-150[2]	—	—
1,1-Dichloroethane	13.2	56.1-172	—	—
1,2-Dichloroethane	4.36	52.4-170	—	—
1,1-Dichloroethane	7.25	47.9-176	—	—
trans-1-2-Dichloroethene	6.62	52.4-170	—	—
1,2-Dichloropropane	8.98	56.0-161	—	—
cis-1,3-Dichloropropene	7.53	10-200	—	—
trans-1,3-Dichloropropene	21.3	50.1-151	—	—
Ethylbenzene	10.7	67.3-136	—	—
2-Hexanone	17.7	20.2-189	—	—
Methylene chloride	10.6	62.8-155	—	—
4-Methyl-2-pentanone	17.7	23.7-189	—	—
Styrene	10.6	70.9-127	—	—
1,1,2,2-Tetrachloroethane	19.9	54.5-155	—	—
Tetrachloroethene	9.67	56.5-160	—	—
Toluene	9.01	62.0-143	—	—
1,1,1-Trichloroethane	5.92	80.9-142	—	—

Analytes	Lab Control Standard		Surrogate Standard % Recovery	
	RPD (max.)	% Recovery	Method Blanks	Samples
1,1,2-Trichloroethane	10.4	67.8-144	—	—
Trichloroethene	6.21	76.7-134	—	—
Trichlorofluoromethane	20[2]	10-193[1]	—	—
Vinyl acetate	16.9	23.3-180	—	—
Vinyl chloride	19.9	40.1-177	—	—
Xylenes	12.8	70.2-130	—	—
Toluene-d_8[3]	—	78.4-118	90-108	84-138[4]
4-Bromofluorobenzene[3]	—	73.8-119	84-108	59-113[4]
1,2-Dichloroethane-d_4[3]	—	87.6-118	92-113	70-121[5]

Analytes	Lab Control Standard		Surrogate Standard % Recovery	
	RPD (max.)	% Recovery	Method Blanks	Samples
Water				
Acetone	40.7	36.5-156	—	—
Benzene	12.1	71.5-119	—	—
Bromodichloromethane	12.5	71.9-122	—	—
Bromoform	16.7	73.9-117	—	—
Bromomethane	18.5	50.1-153	—	—
2-Butanone	62.6	40.0-147	—	—
Carbon disulfide	26.2	27.3-156	—	—
Carbon tetrachloride	15.8	64.6-124	—	—
Chlorobenzene	11.9	76.2-119	—	—
Chlorodibromomethane	13.9	73.9-123	—	—
Chloroethane	19.9	50.7-146	—	—
2-Chloroethyl vinyl ether	14.6	36.3-142	—	—
Chloroform	10.5	68.6-129	—	—
Chloromethane	19.8	49.6-140	—	—
1,1-Dichloroethane	11.5	72.2-127	—	—
1,2-Dichloroethane	12.1	65.1-129	—	—
1,1-Dichloroethane	14.9	52.1-144	—	—
cis-1,2-Dichloroethene	12.9	72.9-124	—	—
trans-1,2-Dichloroethene	12.9	72.9-124	—	—

Brown & Root Environmental

INTERNAL MEMORANDUM

TO: Karin Crandall **DATE:** August 30, 1994

FROM: James Cao **COPIES:** File 2A56

SUBJECT: **ORGANIC DATA VALIDATION - VOA/BNA**
KIRTLAND AIR FORCE BASE, RFI DATA
CASE NO. KRT2D, SDG NO. RB11A

SAMPLES: Soil: RB11-21-1822

Halliburton NUS Laboratories analyzed 15 soil samples, 2 aqueous rinsate blanks, and 2 trip blanks for Target Compound List (TCL) volatile and semivolatile organic compounds. No field duplicate pair was included with this analytical data set. The trip blanks were analyzed only for volatile organic compounds. This memorandum only addresses the evaluation of the one soil sample listed above since only ten percent of all the data will be reviewed.

The data for these analyses were reviewed with reference to the EPA "Functional Guidelines for Organic Data Validation", EPA SW-846 Methods 8240 and 8270, the "Brooks Air Force Base IRP Handbook", version 3.0, and the Stage 2B Sampling and Analysis Plan, January, 1993 and were evaluated according to the following parameters:

- Data completeness
- Holding times
- GC/MS tuning
- * Initial and continuing calibrations
- Laboratory and field blank analyses
- Surrogate spike recoveries
- * Laboratory control spike/laboratory control spike duplicate results
- Internal standards performance
- Instrument performance
- Detection limits
- Sample quantitation

The symbol (*) indicates that quality control criteria were not met for this parameter. Problems affecting data usability are discussed below and the attached Table 1 summarizes the validation qualifications. The matrix spike/matrix spike duplicate results were not evaluated since the unspiked sample was not reviewed.

Volatiles

Initial calibration Percent Relative Standard Deviation (%RSD) for acetone and 2-butanone exceeded 50%. Only nondetects were reported for these compounds in the validated sample and these nondetects were qualified as estimated, "UJ". Additionally, the %RSD for 2-hexanone, 1,1,2,2-tetrachloroethane, and 2-chloroethyl vinyl ether were greater than the 30% quality control criteria. No actions were taken for these compounds since only nondetects were reported for these compounds in the validated sample.

Several continuing calibration Percent Differences (%Ds) for acetone, 2-butanone, 1,1,2,2-tetrachloroethane, vinyl acetate, cis-1,3-dichloropropene, bromoform, 4-methyl-2-pentanone, and 2-chloroethyl vinyl ether were greater than the 25% quality control criteria. Only nondetects were reported for these compounds in the validated sample. No actions were taken for these compounds since nondetects are not compromised by this noncompliance.

The Laboratory Control Spike (LCS) yielded a zero Percent Recovery (%R) for 2-chloroethyl vinyl ether. Only a nondetect was reported for this compound in the validated sample. The nondetect was considered unusable and was rejected, "R". Additionally, a high %R was reported for vinyl acetate. No actions were taken since only a nondetect was reported for this compound in the validated sample.

No other problems were noted.

Semivolatiles

Initial calibration %RSD for 3-nitroaniline exceeded 50%. Only a nondetect was reported for this compound in the validated sample and the nondetected result was qualified as estimated, "UJ".

A continuing calibration %D for 3-nitroaniline exceeded the 25% quality control criteria. Only a nondetect was reported for this compound in the validated sample. No actions were taken for this compound since nondetects are not compromised by this noncompliance.

LCS analysis yielded high Percent Recoveries (%Rs) for hexachlorocyclopentadiene and 3-nitroaniline. No actions were necessary since only nondetects were reported for these compounds in the validated sample and nondetects are not considered to be compromised by these noncompliances.

No other problems were noted.

KIRTLAND AIR FORCE BASE
CASE KRT2D, SDG RB11A

TABLE 1 - RECOMMENDATION SUMMARY

Sample No.	VOA		BNA
RB11-21-1822	J^1	R^1	J^2

If the field is left blank, the qualifier is A - Accept all data.

J^1 - Estimate, "UJ", nondetects for acetone and 2-butanone as a result of initial calibration %RSD > 50%.

J^2 - Estimate, "UJ", nondetect for 3-nitroaniline as a result of initial calibration %RSD > 50%.

R^1 - Reject, "R", nondetect for 2-chloroethyl vinyl ether as a result of extremely low LCS %R.

Brown & Root Environmental

INTERNAL MEMORANDUM

TO: Karin Crandall

DATE: August 30, 1994

FROM: James Cao

COPIES: File 2A56

SUBJECT: ORGANIC DATA VALIDATION - VOA/BNA
KIRTLAND AIR FORCE BASE, RFI DATA
CASE NO. KRT2D, SDG NO. RB11B

SAMPLES: Soil: RB11-03-0307, RB11-07-0307

Halliburton NUS Laboratories analyzed 23 soil samples, 1 aqueous rinsate blank, and 2 trip blanks for Target Compound List (TCL) volatile and semivolatile organic compounds. No field duplicate pair was included with this analytical data set. The trip blanks were analyzed only for volatile organic compounds. This memorandum only addresses the evaluation of the two soil samples listed above since only ten percent of all the data will be reviewed.

The data for these analyses were reviewed with reference to the EPA "Functional Guidelines for Organic Data Validation", EPA SW-846 Methods 8240 and 8270, the "Brooks Air Force Base IRP Handbook", version 3.0, and the Stage 2B Sampling and Analysis Plan, January, 1993 and were evaluated according to the following parameters:

- Data completeness
- Holding times
- GC/MS tuning
- * Initial and continuing calibrations
- Laboratory and field blank analyses
- Surrogate spike recoveries
- * Laboratory control spike/laboratory control spike duplicate results
- Internal standards performance
- Instrument performance
- Detection limits
- Sample quantitation

The symbol (*) indicates that quality control criteria were not met for this parameter. Problems affecting data usability are discussed below and the attached Table 1 summarizes the validation qualifications. The matrix spike/matrix spike duplicate results were not evaluated since the unspiked sample was not reviewed.

Volatiles

Initial calibration Percent Relative Standard Deviation (%RSD) for acetone and 2-butanone exceeded 50%. Only nondetects were reported for these compounds in the validated samples and these nondetects were qualified as estimated, "UJ". Additionally, the %RSD for 2-hexanone, 1,1,2,2-tetrachloroethane, and 2-chloroethyl vinyl ether were greater than the 30% quality control criteria. No actions were taken for these compounds since only nondetects were reported for these compounds in the validated samples.

Several continuing calibration Percent Differences (%Ds) for bromoethane, acetone, 2-butanone, vinyl acetate, cis-1,3-dichloropropene, trans-1,3,dichloropropene, bromoform, 4-methyl-2-pentanone, 1,1,2,2-tetrachloroethane, and 2-chloroethyl vinyl ether were greater than the 25% quality control criteria. Only nondetects were reported for these compounds in the validated samples. No actions were taken for these compounds since nondetects are not compromised by this noncompliance.

The Laboratory Control Spike (LCS) yielded a zero Percent Recovery (%R) for 2-chloroethyl vinyl ether. Only nondetects were reported for this compound in the validated samples. The nondetects were considered unusable and were rejected, "R".

No other problems were noted.

Semivolatiles

An initial calibration %RSD for 3-nitroaniline exceeded 50%. Only nondetects were reported for this compound in the validated samples and the nondetects were qualified as estimated, "UJ".

A continuing calibration %D for 4-nitrophenol was greater than 50%. Also, the %Ds for benzyl alcohol and 3-nitroaniline exceeded the 25% quality control criteria. Only nondetects were reported for these compounds in the validated samples. The nondetects for 4-nitrophenol in the validated samples were qualified as estimated, "UJ". No actions were taken for benzyl alcohol and 3-nitroaniline since nondetects are not affected by this noncompliance.

The LCS yielded high Percent Recoveries (%Rs) for benzyl alcohol and 3-nitroaniline. No actions were necessary since only nondetects were reported for these compounds in the validated samples and nondetects are not compromised by this noncompliance.

No other problems were noted.

KIRTLAND AIR FORCE BASE
CASE KRT2D, SDG RB11B

TABLE 1 - RECOMMENDATION SUMMARY

Sample No.	VOA		BNA
RB11-03-0307	J[1]	R[1]	J[2,3]
RB11-07-0307	J[1]	R[1]	J[2,3]

If the field is left blank, the qualifier is A - Accept all data.

J[1] - Estimate, "UJ", nondetects for acetone and 2-butanone as a result of initial calibration %RSD > 50%.

J[2] - Estimate, "UJ", nondetects for 3-nitroaniline as a result of initial calibration %RSD > 50%.

J[3] - Estimate, "UJ", nondetects for 4-nitrophenol as a result of continuing calibration %D > 50%.

R[1] - Reject, "R", nondetects for 2-chloroethyl vinyl ether as a result of extremely low LCS %R.

Brown & Root Environmental

INTERNAL MEMORANDUM

TO: Karin Crandall

DATE: August 31, 1994

FROM: James Cao

COPIES: File 2A56

SUBJECT: ORGANIC DATA VALIDATION - VOA/BNA
KIRTLAND AIR FORCE BASE, RFI DATA
CASE NO. KRT2D, SDG NO. RB11C

SAMPLES: Soil: RB11-13-0913, RB11-93-0307

Halliburton NUS Laboratories analyzed 18 soil samples, 1 aqueous rinsate blank, and 2 trip blanks for Target Compound List (TCL) volatile and semivolatile organic compounds. No field duplicate pair was included with this analytical data set. The trip blanks were analyzed only for volatile organic compounds. This memorandum only addresses the evaluation of the two soil samples listed above since only ten percent of all the data will be reviewed.

The data for these analyses were reviewed with reference to the EPA "Functional Guidelines for Organic Data Validation", EPA SW-846 Methods 8240 and 8270, the "Brooks Air Force Base IRP Handbook", version 3.0, and the Stage 2B Sampling and Analysis Plan, January, 1993 and were evaluated according to the following parameters:

- Data completeness
- Holding times
- GC/MS tuning
- * Initial and continuing calibrations
- Laboratory and field blank analyses
- Surrogate spike recoveries
- * Laboratory control spike/laboratory control spike duplicate results
- Internal standards performance
- Instrument performance
- Detection limits
- Sample quantitation

The symbol (*) indicates that quality control criteria were not met for this parameter. Problems affecting data usability are discussed below and the attached Table 1 summarizes the validation qualifications. Matrix spike/matrix spike duplicate results were not evaluated since the unspiked sample was not reviewed.

Volatiles

Initial calibration Percent Relative Standard Deviation (%RSD) for acetone and 2-butanone exceeded 50%. Only nondetects were reported for these compounds in the

validated samples and these nondetects were qualified as estimated, "UJ". Additionally, the %RSD for 2-hexanone, 1,1,2,2-tetrachloroethane, and 2-chloroethyl vinyl ether were greater than the 30% quality control criteria. No actions were taken for these compounds since only nondetects were reported for these compounds in the validated samples and nondetects are not affected by this noncompliance.

Several continuing calibration Percent Differences (%Ds) for 2-butanone, vinyl acetate, cis-1,3-dichloropropene, 4-methyl-2-pentanone, 1,1,2,2-tetrachloroethane, and 2-chloroethyl vinyl ether were greater than the 25% quality control criteria. Only nondetects were reported for these compounds in the validated samples. No actions were taken for these compounds since nondetects are not compromised by this noncompliance.

Laboratory Control Spike (LCS) yielded a low Percent Recovery (%R) for 2-chloroethyl vinyl ether. Only nondetects were reported for this compound in the validated samples. The nondetects were qualified as estimated, "UJ".

No other problems were noted.

Semivolatiles

Initial calibration %RSDs for benzyl alcohol and benzo(k)fluoranthene exceeded the 30% quality control criteria. No actions were taken since only nondetects were reported for these compounds in the validated samples.

Continuing calibration %Ds for benzyl alcohol, bis(2-chloroisopropyl)ether, benzoic acid, 2-methylnaphthalene, hexachlorocyclopentadiene, 2,4-dinitrophenol, 3,3-dichlorobenzidine, and di-n-octyl phthalate exceeded the 25% quality control criteria. No actions were taken for these compounds since only nondetects were reported in the validated samples.

The LCS yielded high Percent Recoveries (%Rs) for hexachlorocyclopentadiene. No actions were necessary since only nondetects were reported for this compound in the validated samples and nondetects are not considered to be compromised by this noncompliance.

No other problems were noted.

KIRTLAND AIR FORCE BASE
CASE KRT2D, SDG RB11C

TABLE 1 - RECOMMENDATION SUMMARY

Sample No.	VOA	BNA
RB11-13-0913	$J^{1,2}$	
RB11-93-0307	$J^{1,2}$	

If the field is left blank, the qualifier is A - Accept all data.

J^1 - Estimate, "UJ", nondetects for acetone and 2-butanone as a result of initial calibration %RSD > 50%.

J^2 - Estimate, "UJ", nondetect for 2-chloroethyl vinyl ether as a result of low LCS %R.

Brown & Root Environmental

INTERNAL MEMORANDUM

TO: Karin Crandall

DATE: August 30, 1994

FROM: James Cao

COPIES: File 2A56

SUBJECT: ORGANIC DATA VALIDATION - VOA/BNA
KIRTLAND AIR FORCE BASE, RFI DATA
CASE NO. KRT2D, SDG NO. RB11D

SAMPLES: Soil: RB11-29-1317

Halliburton NUS Laboratories analyzed 16 soil samples, 1 aqueous rinsate blank, and 2 trip blanks for Target Compound List (TCL) volatile and semivolatile organic compounds. One field duplicate pair was included with this analytical data set. The trip blanks were analyzed only for volatile organic compounds. This memorandum only addresses the evaluation of the one soil sample listed above since only ten percent of all the data will be reviewed.

The data for these analyses were reviewed with reference to the EPA "Functional Guidelines for Organic Data Validation", EPA SW-846 Methods 8240 and 8270, the "Brooks Air Force Base IRP Handbook", version 3.0, and the Stage 2B Sampling and Analysis Plan, January, 1993 and were evaluated according to the following parameters:

- Data completeness
- Holding times
- GC/MS tuning
- * Initial and continuing calibrations
- * Laboratory and field blank analyses
- Surrogate spike recoveries
- * Laboratory control spike/laboratory control spike duplicate results
- Internal standards performance
- Instrument performance
- Detection limits
- Sample quantitation

The symbol (*) indicates that quality control criteria were not met for this parameter. Problems affecting data usability are discussed below and the attached Table 1 summarizes the validation qualifications. Field duplicate results were not evaluated since the sample associated with the duplicate pair was not selected for validation. Additionally, the matrix spike/matrix spike duplicate results were not evaluated since the unspiked sample was not reviewed.

Volatiles

Initial calibration Percent Relative Standard Deviation (%RSD) for acetone and 2-butanone exceeded 50%. Only nondetects were reported for these compounds in the validated sample and these nondetects were qualified as estimated, "UJ". Additionally, the %RSD for 2-hexanone, 1,1,2,2-tetrachloroethane, and 2-chloroethyl vinyl ether were greater than the 30% quality control criteria. No actions were taken for these compounds since only nondetects were reported for these compounds in the validated sample.

Continuing calibration Percent Difference (%D) for 2-butanone, vinyl acetate, and 1,1,2,2-tetrachloroethane were greater than the 25% quality control criteria. Only nondetects were reported for these compounds in the validated sample. No actions were taken for these compounds since nondetects are not compromised by this noncompliance.

The following compounds were detected in the laboratory method blanks at the maximum concentrations indicated below:

Compound	Maximum Concentration	Action Level
methylene chloride	8 µg/Kg	80 µg/Kg

Affected Sample: RB11-29-1317

Percent moisture, sample aliquot size, and dilution factors were taken into consideration during the application of all action levels. No actions were taken for this compound since only a nondetect was reported in the validated sample.

Laboratory Control Spike (LCS) yielded a zero Percent Recovery (%R) for 2-chloroethyl vinyl ether. Only a nondetect was reported for this compound in the validated sample. The nondetect for 2-chloroethyl vinyl ether was considered unusable and was rejected, "R".

No other problems were noted.

Semivolatiles

Initial calibration %RSD for benzo(k)fuoranthene and benzyl alcohol exceeded the 30% quality control criteria. Only nondetects were reported for these compounds in the validated sample. No actions were taken since nondetects are not compromised by this noncompliance.

Continuing calibration %Ds for benzyl alcohol, bis(2-chloroisopropyl)ether, and di-n-octyl phthalate exceeded the 25% quality control criteria. No actions were taken for these compounds since only nondetects were reported in the validated sample.

The LCS analyses yielded a high %R for hexachlorocyclopentadiene. Only a nondetect was reported for this compound in the validated sample. No actions were taken since only positive results are affected by this noncompliance.

No other problems were noted.

KIRTLAND AIR FORCE BASE
CASE KRT2D, SDG RB11D

TABLE 1 - RECOMMENDATION SUMMARY

Sample No.	VOA	BNA
RB11-29-1317	J[1] R[1]	

If the field is left blank, the qualifier is A - Accept all data.

J[1] - Estimate, "UJ", nondetects for acetone and 2-butanone as a result of initial calibration %RSD > 50%.

R[1] - Reject, "R", nondetect for 2-chloroethyl vinyl ether as a result of extremely low LCS %R.

Brown & Root Environmental

INTERNAL MEMORANDUM

TO: Karin Crandall

DATE: August 30, 1994

FROM: James Cao

COPIES: File 2A56

SUBJECT: ORGANIC DATA VALIDATION - VOA/BNA
KIRTLAND AIR FORCE BASE, RFI DATA
CASE NO. KRT2D, SDG NO. RB11E

SAMPLES: Soil: RB11-06-1822, RB11-08-1822, RB11-09-0811

Halliburton NUS Laboratories analyzed 16 soil samples, 1 aqueous rinsate blank, and 1 trip blank for Target Compound List (TCL) volatile and semivolatile organic compounds. Two field duplicate pairs were included with this analytical data set. The trip blank was analyzed only for volatile organic compounds. This memorandum only addresses the evaluation of the three soil samples listed above since only ten percent of all the data will be reviewed.

The data for these analyses were reviewed with reference to the EPA "Functional Guidelines for Organic Data Validation", EPA SW-846 Methods 8240 and 8270, the "Brooks Air Force Base IRP Handbook", version 3.0, and the Stage 2B Sampling and Analysis Plan, January, 1993 and were evaluated according to the following parameters:

- Data completeness
- Holding times
- GC/MS tuning
- * Initial and continuing calibrations
- Laboratory and field blank analyses
- Surrogate spike recoveries
- * Laboratory control spike/laboratory control spike duplicate results
- Internal standards performance
- Instrument performance
- Detection limits
- Sample quantitation

The symbol (*) indicates that quality control criteria were not met for this parameter. Problems affecting data usability are discussed below and the attached Table 1 summarizes the validation qualifications. Field duplicate results were not evaluated since the samples that comprise the duplicate pair were not selected for validation. Additionally, the matrix spike/matrix spike duplicate results were not evaluated since the unspiked sample was not reviewed.

Volatiles

Initial calibration Percent Relative Standard Deviation (%RSD) for acetone and 2-butanone exceeded 50%. Only nondetects were reported for these compounds in the validated samples and these nondetects were qualified as estimated, "UJ". Additionally, the %RSD for 2-hexanone, 1,1,2,2-tetrachloroethane, and 2-chloroethyl vinyl ether were greater than the 30% quality control criteria. No actions were taken for these compounds since only nondetects were reported for these compounds in the validated samples.

Several continuing calibration Percent Differences (%Ds) for bromomethane, 2-butanone, 1,1,2,2-tetrachloroethane, vinyl acetate, and 2-chloroethyl vinyl ether were greater than the 25% quality control criteria. Only nondetects were reported for these compounds in the validated samples. No actions were taken for these compounds since nondetects are not compromised by this noncompliance.

The Laboratory Control Spike (LCS) yielded a zero Percent Recovery (%R) for 2-chloroethyl vinyl ether. Only nondetects were reported for this compound in the validated samples. The nondetects were considered unusable and were rejected, "R".

No other problems were noted.

Semivolatiles

Initial calibration %RSD for benzo(k)fluoranthene and benzyl alcohol exceeded the 30% quality control criteria. No actions were taken for benzo(k)fluoranthene and benzyl alcohol since only nondetects were reported for these compounds in the validated samples.

A continuing calibration %D for 2-methylnaphthalene was greater than 50%. Also, several %Ds for benzyl alcohol, bis(2-chloroisopropyl)ether, 2-methylnaphthalene, hexachlorocyclopentadiene, 3-nitroaniline, 3,3-dichlorobenzidine, di-n-octylphthalate, and benzo(k)fluoranthene exceeded the 25% quality control criteria. Only nondetects were reported for these compounds in the validated samples. The nondetect for 2-methylnaphthalene in the sample RB11-09-0811 was qualified as estimated, "UJ". No actions were taken for the other compounds since nondetects for these results are not affected by this noncompliance.

The LCS yielded high (%R) for hexachlorocyclopentadiene. No actions were necessary since only nondetects were reported for this compound in the validated samples. Nondetects are not considered to be compromised by this noncompliance.

No other problems were noted.

KIRTLAND AIR FORCE BASE
CASE KRT2D, SDG RB11E

TABLE 1 - RECOMMENDATION SUMMARY

Sample No.	VOA	BNA
RB11-06-1822	J^1 R^1	
RB11-08-1822	J^1 R^1	
RB11-09-0811	J^1 R^1	J^2

If the field is left blank, the qualifier is A - Accept all data.

J^1 - Estimate, "UJ", nondetects for acetone and 2-butanone as a result of initial calibration %RSD > 50%.

J^2 - Estimate, "UJ", nondetects for 2-methylnaphthalene as a result of continuing calibration %D > 50%.

R^1 - Reject, "R", nondetects for 2-chloroethyl vinyl ether as a result of extremely low LCS %R.

E own & Root Environmental

INTERNAL MEMORANDUM

TO: Karin Crandall **DATE:** September 2, 1994

FROM: James Cao **COPIES:** File 2A56

SUBJECT: **ORGANIC DATA VALIDATION - VOA/BNA**
KIRTLAND AIR FORCE BASE, RFI DATA
CASE NO. KRT2D, SDG NO. RB11F

SAMPLES: Soil: RB11-36-0812, RB11-88-0307, RB11-89-0307

Halliburton NUS Laboratories analyzed 15 soil samples and 1 aqueous trip blank for Target Compound List (TCL) volatile and semivolatile organic compounds. One field duplicate pair was included with this analytical data set. The trip blank was analyzed only for volatile organic compounds. This memorandum only addresses the evaluation of the three soil samples listed above since only ten percent of all the data will be reviewed.

The data for these analyses were reviewed with reference to the EPA "Functional Guidelines for Organic Data Validation", EPA SW-846 Methods 8240 and 8270, the "Brooks Air Force Base IRP Handbook", version 3.0, and the Stage 2B Sampling and Analysis Plan, January, 1993 and were evaluated according to the following parameters:

- Data completeness
- Holding times
- GC/MS tuning
- * Initial and continuing calibrations
- * Laboratory and field blank analyses
- Surrogate spike recoveries
- * Laboratory control spike/laboratory control spike duplicate results
- Internal standards performance
- Field duplicate precision
- Instrument performance
- Detection limits
- Sample quantitation

The symbol (*) indicates that quality control criteria were not met for this parameter. Problems affecting data usability are discussed below and the attached Table 1 summarizes the validation qualifications. The matrix spike/matrix spike duplicate results were not evaluated since the unspiked sample was not reviewed.

Volatiles

Initial calibration Percent Relative Standard Deviations (%RSDs) for acetone and 2-butanone exceeded 50%. Only nondetected results were reported for these compounds in the validated samples and these nondetects were qualified as estimated, "UJ". Additionally, several %RSDs for 2-hexanone, 1,1,2,2-tetrachloroethane, and 2-chloroethyl vinyl ether were greater than the 30% quality control criteria. No actions were taken for these compounds since only nondetected results were reported for these compounds in the validated samples.

Several continuing calibration Percent Differences (%Ds) for chloromethane, bromomethane, acetone, carbon disulfide, 2-butanone, vinyl acetate, 2-hexanone, 1,1,2,2-tetrachloroethane, tetrachloroethene, and 2-chloroethyl vinyl ether exceeded the 25% quality control criteria. No actions were necessary since only nondetects were reported for these compounds in the validated samples.

The following compounds were detected in the laboratory method blanks at the maximum concentrations indicated below:

Compound	Maximum Concentration	Action Level
methylene chloride	8 µg/Kg	80 µg/Kg

Affected Samples: RB11-36-0812, RB11-88-0307, RB11-89-0307

Percent moisture, sample aliquot size, and dilution factors were taken into consideration during the application of all action levels. Positive results reported at concentrations above the reporting limit but less than the action level were qualified as undetected, "U".

Laboratory Control Spike (LCS) analyses yielded extremely low Percent Recoveries (%Rs) for 2-chloroethyl vinyl ether and a high %R for chlorobenzene. Only nondetects were reported for these compounds in the validated samples. The nondetects for 2-chloroethyl vinyl ether in samples RB11-36-0812 and RB11-88-0307 were considered unusable and were rejected, "R". No actions were taken for chlorobenzene since only positive results are affected by this noncompliance.

No other problems were noted.

Semivolatiles

Initial calibration %RSD for benzo(k)fluoranthene and benzyl alcohol exceeded the 30% quality control criteria. No actions were taken since only nondetected results were reported for these compounds in the validated samples.

Continuing calibration %Ds for benzyl alcohol, 4-nitroaniline, bis(2-chloroisopropyl)ether, 2-methylnaphthalene, and di-n-octyl phthalate exceeded the 25% quality control criteria. No actions were taken for these compounds since only nondetects were reported in the validated samples.

The LCS yielded high Percent Recoveries (%Rs) for 4-nitroaniline, hexachlorocyclopentadiene, and dimethylphthalate. No actions were necessary since only nondetects were reported for these compounds in the validated samples and nondetects are not compromised by this noncompliance.

No other problems were noted.

KIRTLAND AIR FORCE BASE
CASE KRT2D, SDG RB11F

TABLE 1 - RECOMMENDATION SUMMARY

Sample No.	VOA		BNA
RB11-36-0812	A[1]	J[1]	R[1]
RB11-88-0307		J[1]	R[1]
RB11-89-0307		J[1]	

If the field is left blank, the qualifier is A - Accept all data.

A[1] - Accept data, but qualify positive result for methylene chloroide as undetected, "U", as a result of laboratory method blank contamination.

J[1] - Estimate, "UJ", nondetects for acetone and 2-butanone as a result of initial calibration %RSD > 50%.

R[1] - Reject, "R", nondetects for 2-chloroethyl vinyl ether as a result of extremely low LCS %R.

Brown & Root Environmental

INTERNAL MEMORANDUM

TO: Karin Crandall

DATE: August 30, 1994

FROM: James Cao

COPIES: File 2A56

SUBJECT: ORGANIC DATA VALIDATION - VOA/BNA
KIRTLAND AIR FORCE BASE, RFI DATA
CASE NO. KRT2D, SDG NO. RB11G

SAMPLES: Soil: RB11-26-1822

Halliburton NUS Laboratories analyzed 16 soil samples, 1 aqueous rinsate blank, and 2 trip blanks for Target Compound List (TCL) volatile and semivolatile organic compounds. One field duplicate pair was included with this analytical data set. The trip blanks were analyzed only for volatile organic compounds. This memorandum only addresses the evaluation of the one soil sample listed above since only ten percent of all the data will be reviewed.

The data for these analyses were reviewed with reference to the EPA "Functional Guidelines for Organic Data Validation", EPA SW-846 Methods 8240 and 8270, the "Brooks Air Force Base IRP Handbook", version 3.0, and the Stage 2B Sampling and Analysis Plan, January, 1993 and were evaluated according to the following parameters:

- Data completeness
- Holding times
- GC/MS tuning
- * Initial and continuing calibrations
- * Laboratory and field blank analyses
- Surrogate spike recoveries
- * Laboratory control spike/laboratory control spike duplicate results
- Internal standards performance
- Instrument performance
- Detection limits
- Sample quantitation

The symbol (*) indicates that quality control criteria were not met for this parameter. Problems affecting data usability are discussed below and the attached Table 1 summarizes the validation qualifications. Field duplicate results were not evaluated since the sample associated with the duplicate pair was not selected for validation. Additionally, the matrix spike/matrix spike duplicate results were not evaluated since the unspiked sample was not reviewed.

Volatiles

Initial calibration Percent Relative Standard Deviation (%RSD) for acetone and 2-butanone exceeded 50%. Only nondetects were reported for these compounds in the validated sample and these nondetects were qualified as estimated, "UJ". Additionally, the %RSD for 2-hexanone, 1,1,2,2-tetrachloroethane, and 2-chloroethyl vinyl ether were greater than the 30% quality control criteria. No actions were taken for these compounds since only nondetects were reported for these compounds in the validated sample.

Continuing calibration Percent Difference (%D) for 1,2-dichloroethane, vinyl acetate, and 1,1,2,2-tetrachloroethane were greater than the 25% quality control criteria. Only nondetects were reported for these compounds in the validated sample. No actions were taken for these compounds since nondetects are not compromised by this noncompliance.

The following compounds were detected in the laboratory method blanks at the maximum concentrations indicated below:

Compound	Maximum Concentration	Action Level
methylene chloride	8 µg/Kg	80 µg/Kg

Affected Sample: RB11-26-1822

Percent moisture, sample aliquot size, and dilution factors were taken into consideration during the application of all action levels. Positive results reported at concentrations greater than the reporting limit but less than the action level were qualified as undetected, "U".

Laboratory Control Spike (LCS) yielded a low Percent Recovery (%R) for 2-chloroethyl vinyl ether. Only a nondetect was reported for this compound in the validated sample. The nondetect for 2-chloroethyl vinyl ether was qualified as estimated, "UJ".

No other problems were noted.

Semivolatiles

Initial calibration %RSD for 3-nitroaniline exceeded 50%. Only a nondetect was reported for this compound in the validated sample and the nondetect was qualified as estimated, "UJ".

Continuing calibration %Ds for benzyl alcohol and 4-nitrophenol were greater than 50%. Only nondetects were reported for these compounds in the validated sample and the nondetected results were qualified as estimated, "UJ". Additionally, several

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INTERNAL MEMORANDUM

TO: Karin Crandall

DATE: September 8, 1994

FROM: James Cao

COPIES: File 2A56

SUBJECT: ORGANIC DATA VALIDATION - VOA/BNA
KIRTLAND AIR FORCE BASE, RFI DATA
CASE NO. KRT2D, SDG NO. RB11H

SAMPLES: Soil: RB11-28-1317, RB11-28-2832

Halliburton NUS Laboratories analyzed 17 soil samples, 1 aqueous rinsate blank, and 1 trip blank for Target Compound List (TCL) volatile and semivolatile organic compounds. One field duplicate pair was included with this analytical data set. The trip blanks were analyzed only for volatile organic compounds. This memorandum only addresses the evaluation of the two soil samples listed above since only ten percent of all the data will be reviewed.

The data for these analyses were reviewed with reference to the EPA "Functional Guidelines for Organic Data Validation", EPA SW-846 Methods 8240 and 8270, the "Brooks Air Force Base IRP Handbook", version 3.0, and the Stage 2B Sampling and Analysis Plan, January, 1993 and were evaluated according to the following parameters:

- Data completeness
- Holding times
- GC/MS tuning
- * Initial and continuing calibrations
- * Laboratory and field blank analyses
- Surrogate spike recoveries
- * Laboratory control spike/laboratory control spike duplicate results
- Internal standards performance
- Instrument performance
- Detection limits
- Sample quantitation

The symbol (*) indicates that quality control criteria were not met for this parameter. Problems affecting data usability are discussed below and the attached Table 1 summarizes the validation qualifications. Field duplicate results were not evaluated since the samples associated with the field duplicate pair were not selected for validation. Additionally, the matrix spike/matrix spike duplicate results were not evaluated since the unspiked sample was not reviewed.

Volatiles

Initial calibration Percent Relative Standard Deviation (%RSD) for acetone and 2-butanone exceeded 50%. Only nondetects were reported for these compounds in the validated samples and these nondetects were qualified as estimated, "UJ". Additionally, the %RSD for 2-hexanone, 1,1,2,2-tetrachloroethane, and 2-chloroethyl vinyl ether were greater than the 30% quality control criteria. No actions were taken for these compounds since only nondetects were reported for these compounds in the validated samples.

A continuing calibration Percent Difference (%D) for vinyl acetate exceeded 50%. Also, several %Ds for 1,1-dichloroethene, 1,2-dichloroethane, 2-butanone, 1,1,1-trichloroethane, carbon tetrachloride, bromodichloromethane, cis-1,3-dichloropropene, trans-1,3-dichloropropene, and 1,1,2,2-tetrachloroethane were greater than the 25% quality control criteria. Only nondetects were reported for these compounds in the validated samples. The nondetects for vinyl acetate were qualified as estimated, UJ". No actions were taken for the remaining compounds since nondetects are not compromised by this noncompliance.

The following compounds were detected in the laboratory method blanks at the maximum concentrations indicated below:

Compound	Maximum Concentration	Action Level
methylene chloride	8 µg/Kg	80 µg/Kg

Samples Affected: RB11-28-1317, RB11-28-2832

Percent moisture, sample aliquot size, and dilution factors were taken into consideration during the application of all action levels. Positive results reported at concentrations above the reporting limit but less than the action level were qualified as undetected "U".

The Laboratory Control Spike (LCS) yielded a zero Percent Recovery (%R) for 2-chloroethyl vinyl ether and a high %R for ethylbenzene. Only nondetects were reported for these compounds in the validated samples. The nondetects for 2-chloroethyl vinyl ether were considered unusable and were rejected, "R". No actions were taken for ethylbenzene since only positive results are affected by this noncompliance.

No other problems were noted.

%Ds for hexachlorocyclopentadiene, benzoic acid, and 4-nitroaniline exceeded the 25% quality control criteria. No actions were taken for these compounds since only nondetects were reported in the validated sample.

No other problems were noted.

KIRTLAND AIR FORCE BASE
CASE KRT2D, SDG RB11G

TABLE 1 - RECOMMENDATION SUMMARY

Sample No.	VOA	BNA
RB11-26-1822	A^{1} $J^{1,4}$	$J^{2,3}$

If the field is left blank, the qualifier is A - Accept all data.

A^{1} - Accept data, but qualify positive result for methylene chloride as undetected, "U", as a result of blank contamination.

J^{1} - Estimate, "UJ", nondetects for acetone and 2-butanone as a result of initial calibration %RSD > 50%.

J^{2} - Estimate, "UJ", nondetect for 3-nitroaniline as a result of initial calibration %RSD > 50%.

J^{3} - Estimate, "UJ", nondetects for benzyl alcohol and 4-nitrophenol as a result of continuing calibration %D > 50%.

J^{4} - Estimate, "UJ", nondetect for 2-chloroethyl vinyl ether as a result of low LCS %R.

Semivolatiles

Initial calibration %RSD for 3-nitroaniline exceeded 50%. Nondetects reported for this compound in the validated samples were qualified as estimated, "UJ".

Continuing calibration %Ds for 3-nitroaniline and 4-nitrophenol were greater than 50%. Only nondetects were reported for these compounds in the validated samples and the nondetects were qualified as estimated, "UJ". Additionally, several %Ds for benzyl alcohol, bis(2-chloroisopropyl)ether, and 4-chloroaniline exceeded the 25% quality control criteria. No actions were taken for these compounds since only nondetects were reported in the validated samples.

The LCS yielded a high Percent Recovery (%R) for benzyl alcohol. No actions were necessary since only nondetects were reported for this compound in the validated samples and nondetects are not considered to be compromised by this noncompliance.

No other problems were noted.

KIRTLAND AIR FORCE BASE
CASE KRT2D, SDG RB11H

TABLE 1 - RECOMMENDATION SUMMARY

Sample No.	VOA			BNA
RB11-28-1317	A[1]	J[1,2]	R[1]	J[3,4]
RB11-28-2832	A[1]	J[1,2]	R[1]	J[3,4]

If the field is left blank, the qualifier is A - Accept all data.

A[1] - Accept data, but qualify positive results for methylene chloride as undetected, "U", as a result of laboratory blank contamination.

J[1] - Estimate, "UJ", nondetects for acetone and 2-butanone as a result of initial calibration %RSD > 50%.

J[2] - Estimate, "UJ", nondetects for vinyl acetate as a result of continuing calibration %D > 50%.

J[3] - Estimate, "UJ", nondetects for 3-nitroaniline as a result of initial calibration %RSD > 50%.

J[4] - Estimate, "UJ", nondetects for 3-nitroaniline and 4-nitrophenol as a result of continuing calibration %D > 50%.

R[1] - Reject, "R", nondetects for 2-chloroethyl vinyl ether as a result of extremely low LCS %R.

Brown & Root Environmental

INTERNAL MEMORANDUM

TO: Karin Crandall

DATE: September 1, 1994

FROM: James Cao

COPIES: File 2A56

SUBJECT: ORGANIC DATA VALIDATION - VOA/BNA
KIRTLAND AIR FORCE BASE, RFI DATA
CASE NO. KRT2D, SDG NO. RB11I

SAMPLES: Soil: RB11-32-1317, RB11-BG01-0812,
RB11-BG02-1317, RB11-BG02-1822

Halliburton NUS Laboratories analyzed 15 soil samples and 1 aqueous rinsate blank for Target Compound List (TCL) volatile and semivolatile organic compounds. One field duplicate pair was included with this analytical data set. This memorandum only addresses the evaluation of the four soil samples listed above since only ten percent of all the data will be reviewed.

The data for these analyses were reviewed with reference to the EPA "Functional Guidelines for Organic Data Validation", EPA SW-846 Methods 8240 and 8270, the "Brooks Air Force Base IRP Handbook", version 3.0, and the Stage 2B Sampling and Analysis Plan, January, 1993 and were evaluated according to the following parameters:

- Data completeness
- Holding times
- GC/MS tuning
- * Initial and continuing calibrations
- Laboratory and field blank analyses
- * Surrogate spike recoveries
- * Laboratory control spike/laboratory control spike duplicate results
- * Internal standards performance
- Instrument performance
- Detection limits
- Sample quantitation

The symbol (*) indicates that quality control criteria were not met for this parameter. Problems affecting data usability are discussed below and the attached Table 1 summarizes the validation qualifications. Field duplicate results were not evaluated since the sample associated with the duplicate pair was not selected for validation. Additionally, the matrix spike/matrix spike duplicate results were not evaluated since the unspiked sample was not reviewed.

Volatiles

Several initial calibration Percent Relative Standard Deviations (%RSDs) for acetone and 2-butanone exceeded 50%. Only nondetects were reported for these compounds in the validated samples and these nondetects were qualified as estimated, "UJ", in samples RB11-BG02-1317 and RB11-BG02-1822. Additionally, several %RSDs for bromoform, 2-hexanone, tetrachloroethene, 1,1,2,2-tetrachloroethane, and 2-chloroethyl vinyl ether were greater than the 30% quality control criteria. No actions were taken for these compounds since only nondetects were reported for these compounds in the validated samples.

Several continuing calibration Percent Differences (%Ds) for chloromethane, bromomethane, vinyl chloride, chloroethane, acetone, 2-butanone, 4-methyl-2-pentanone, 2-hexanone, 1,1,2,2-tetrachloroethane, and 2-chloroethyl vinyl ether exceeded 50%. Only nondetects were reported for these compounds in the validated samples and these nondetects were qualified as estimated, "UJ", in samples RB11-32-1317 and RB11-BG01-0812. No actions were necessary for 2-chloroethyl vinyl ether since the results for this compound were rejected due to extremely low LCS recoveries.

Several continuing calibration %Ds for bromomethane, vinyl acetate, dibromochloromethane, 1,1,2-trichloroethane, trans-1,3-dichloropropene, and bromoform were greater than the 25% quality control criteria. No actions were taken for these compounds since only nondetects were reported for these compounds in the validated samples. Only positive results are affected by this noncompliance.

Laboratory Control Spike (LCS) analyses yielded zero or extremely low Percent Recoveries (%Rs) for 2-chloroethyl vinyl ether and high %Rs for bromomethane, chloroethane, vinyl acetate, 1,2-dichloropropene, trichloroethene, and 1,1,2-trichloroethane. Only nondetects were reported for these compounds in the validated samples. The nondetects for 2-chloroethyl vinyl ether were considered unusable and were rejected, "R". No actions were taken for the remaining compounds since only positive results are affected by this noncompliance.

The internal standard area for bromochloromethane was below the lower quality control limit for sample RB11-32-1317. The nondetects reported for compounds quantitated using the failed internal standard were qualified as estimated, "UJ".

The surrogate Percent Recovery (%R) for 1,2-dichloroethane-d4 in sample RB11-32-1317 was high. No actions were necessary since only nondetects were reported for this sample.

No other problems were noted.

Semivolatiles

Initial calibration %RSD for 3-nitroaniline exceeded 50%. Nondetects reported for this compound in the validated samples were qualified as estimated, "UJ".

Continuing calibration %Ds for benzyl alcohol, 3-nitroaniline, and 4-nitrophenol were greater than 50%. Only nondetects were reported for these compounds in the validated samples and the nondetects were qualified as estimated, "UJ". Additionally, several %Ds for benzoic acid, 2-methylphenol, and 4-methylphenol exceeded the 25% quality control criteria. No actions were taken for these compounds since only nondetects were reported in the validated samples.

The LCS yielded high Percent Recoveries (%Rs) for benzyl alcohol and 3-nitroaniline. No actions were necessary since only nondetects were reported for these compounds in the validated samples and nondetects are not compromised by this noncompliance.

No other problems were noted.

KIRTLAND AIR FORCE BASE
CASE KRT2D, SDG RB11I

TABLE 1 - RECOMMENDATION SUMMARY

Sample No.	VOA		BNA
RB11-32-1317	J[2,4]	R[1]	J[5,6]
RB11-BG01-0812	J[3]	R[1]	J[5,7]
RB11-BG02-1317	J[1]	R[1]	J[5,7]
RB11-BG02-1822	J[1]	R[1]	J[5,7]

If the field is left blank, the qualifier is A - Accept all data.

J[1] - Estimate, "UJ", nondetects for acetone and 2-butanone as a result of initial calibration %RSD > 50%.

J[2] - Estimate, "UJ", nondetects for chloromethane, bromomethane, vinyl chloride, chloroethane, acetone, 2-butanone, 4-methyl-2-pentanone, 2-hexanone, and 1,1,2,2-tetrachloroethane, as a result of continuing calibration %D > 50%.

J[3] - Estimate, "UJ", nondetects for acetone, 2-butanone, 4-methyl-2-pentanone, 2-hexanone, 1,1,2,2-tetrachloroethane, and 2-chloroethyl vinyl ether as a result of continuing calibration %D > 50%.

J[4] - Estimate, "UJ", nondetects for all compounds quantitated using the failed bromochloromethane internal standard.

J[5] - Estimate, "UJ", nondetects for 3-nitroaniline as a result of initial calibration %RSD > 50%.

J[6] - Estimate, "UJ", nondetects for benzyl alcohol and 4-nitrophenol as a result of continuing calibration %D > 50%.

J[7] - Estimate, "UJ", nondetects for benzyl alcohol, 3-nitroaniline, and 4-nitrophenol as a result of continuing calibration %D > 50%.

R[1] - Reject, "R", nondetects for 2-chloroethyl vinyl ether as a result of extremely low LCS %R.

Brown & Root Environmental **INTERNAL MEMORANDUM**

TO: Karin Crandall **DATE: September 2, 1994**

FROM: Bernard J. Kuhn **COPIES: File 2A56**

SUBJECT: INORGANIC DATA VALIDATION
KIRTLAND AIR FORCE BASE, RFI DATA
CASE NO. KRT2D, SDG NO. RB11A

SAMPLES: Soil: RB11-21-1822

HALLIBURTON NUS Laboratories analyzed 17 soil samples and 2 water samples (equipment blanks) for Target Analyte List (TAL) metals including cyanide and Molybdenum by Inductively Coupled Plasma (ICP) method and for mercury by Cold Vapor method. This memorandum only addresses the evaluation of the one soil samples listed above since only ten percent of all data will be reviewed.

Data for these analyses were reviewed with reference to the EPA "Functional Guidelines for Inorganic Data Validation", the "Brooks Air Force Base IRP Handbook," and the Stage 2B Sampling and Analysis Plan, January 1993. The data were evaluated according to the following parameters:

	• Data completeness
	• Holding Times
	• Calibrations
*	• Blanks
*	• ICP Interference Check Results
*	• Matrix Spike Recoveries
	• Laboratory Duplicates
*	• Laboratory Control Sample Results
	• Detection Limit Results
	• Sample Results

The symbol (*) indicates that quality control criteria were not met for this parameter. Analysis of CRDL standards and ICP Serial dilutions are not contractually required, consequently, the sample data were not evaluated for these parameters. Additionally, field duplicate results were not evaluated since the field duplicate pair was not reviewed during validation of this data package. Problems affecting data usability are addressed below, and the attached Table 1 summarizes the data validation qualifications.

Blanks

Laboratory method and field quality control blank analyses yielded the following contaminants at the maximum concentrations indicated:

Contaminant	Maximum Concentration	Action Level* for soil samples (mg/kg)
Cadmium	5.0 ug/l	2.5
Chromium[2]	12.0 ug/l	6.0
Cobalt[1]	10.0 ug/l	5.0
Copper[2]	70.0 ug/l	35.0
Iron[2]	28.0 ug/l	14.0
Zinc[2]	116 ug/l	58.0

* A 1 g to 100 ml sample digestion was employed for these soil samples.

[1] - A negative concentration was noted for this analyte.
[2] - Maximum concentration of contaminant found in field quality control blank.

Action levels of 5X these concentrations were used to evaluate the sample data. Sample weight, moisture content and dilution factors were taken into consideration prior to the application of all action levels. No actions were necessary for these analytes since all sample concentrations of these analytes were nondetects or greater than the action levels.

Negative concentrations were reported for cobalt in various laboratory method blanks. These occurrences are an indication of poor instrument performance (base-line fluctuations). The positive result for this analyte was qualified as estimated, "J" in the validated sample.

Interference Check Sample Results:

The interfering analytes iron and calcium were present in the validated sample at concentrations which exceeded 50% of the respective concentrations in the ICP solution for these analytes. Additionally, sodium, barium, manganese, and zinc which were not supposed to be present in the ICS solution were detected in this solution at levels which exceeded two times (2X) IDL. In addition, elevated positive results may exist for the other compounds as a result of interference stemming from high iron and calcium concentrations. Positive results for sodium in the affected sample was qualified as estimated, "J". None of the other analytes were affected by interferences stemming from high iron and calcium concentrations.

Matrix Spike (MS) Results:

The soil Matrix Spike (MS) Percent Recoveries (%Rs) for manganese, arsenic, and thallium exceeded the upper quality control criteria. The positive result for manganese in the soil matrix was qualified as estimated, "J", in the validated sample. No actions were necessary for arsenic and thallium since only nondetects were reported for these analytes in the validated sample. Nondetects are not affected by this noncompliance.

Laboratory Control Sample Results:

The solid LCS result for nickel was outside quality control limits for the soil matrix. The positive result for nickel was qualified as estimated, "J", in the validated sample.

No other problems were noted.

KIRTLAND AIR FORCE BASE
CASE NO. KRT2D, SDG NO. RB11A
TABLE 1 - RECOMMENDATION SUMMARY

Aluminum		Magnesium	
Antimony		Manganese	J^2
Arsenic		Mercury	
Barium		Molybdenum	
Beryllium		Nickel	J^3
Cadmium		Potassium	
Calcium		Selenium	
Chromium		Silver	
Copper	J^1	Sodium	J^4
Cobalt		Thallium	
Iron		Vanadium	
Lead		Zinc	

If the field is left blank, the qualifier is A, accept all data.

J^1 - Estimate, "J", positive result because negative concentrations were reported in the laboratory method blanks. Sample results are estimated due to poor instrument performance.

J^2 - Estimate, "J", positive result because of high MS recovery.

J^3 - Estimate, "J", positive result because of high solid LCS results.

J^4 - Estimate, "J", positive result due to ICP ICS interference as a result of high iron and calcium concentrations.

Brown & Root Environmental **INTERNAL MEMORANDUM**

TO: Karin Crandall **DATE: September 1, 1994**

FROM: Bernard J. Kuhn **COPIES: File 2A56**

SUBJECT: **INORGANIC DATA VALIDATION**
KIRTLAND AIR FORCE BASE, RFI DATA
CASE NO. KRT2D, SDG NO. RB11B

SAMPLES: Soil: RB11-03-0307, RB11-07-0307

HALLIBURTON NUS Laboratories analyzed 25 soil samples and 1 water sample (equipment blank) for Target Analyte List (TAL) metals including cyanide and Molybdenum by Inductively Coupled Plasma (ICP) method and for mercury by Cold Vapor method. This memorandum only addresses the evaluation of the two soil samples listed above since only ten percent of all data will be reviewed.

Data for these analyses were reviewed with reference to the EPA "Functional Guidelines for Inorganic Data Validation", the "Brooks Air Force Base IRP Handbook," and the Stage 2B Sampling and Analysis Plan, January 1993. The data were evaluated according to the following parameters:

- Data completeness
- Holding Times
- Calibrations
- * Blanks
- * ICP Interference Check Results
- Matrix Spike Recoveries
- Laboratory Duplicates
- Laboratory Control Sample Results
- Detection Limit Results
- Sample Results

The symbol (*) indicates that quality control criteria were not met for this parameter. Analysis of CRDL standards and ICP Serial dilutions are not contractually required, consequently, the sample data were not evaluated for these parameters. Additionally, field duplicate results were not evaluated since the field duplicate pair was not reviewed during validation of this data package. Problems affecting data usability are addressed below, and the attached Table 1 summarizes the data validation qualifications.

Blanks

Laboratory method and field quality control blank analyses yielded the followir contaminants at the maximum concentrations indicated:

Contaminant	Maximum Concentration	Action Level* for soil samples
		(mg/kg)
Cadmium	5.0 ug/l	2.5
Chromium[1]	11 ug/l	5.5
Sodium[1]	154 ug/l	77
Zinc[1]	17 ug/l	8.5

* A 1 g to 100 ml sample digestion was employd for these soil samples.

[1] - Maximum concentration of contaminant found in field quality control blank.

Action levels of 5X these concentrations were used to evaluate the sample data. Sample weight, moisture content and dilution factors were taken into consideration prior to the application of all action levels. No actions were necessary for these analytes since all sample concentrations of these analytes were nondetects or greate than the action levels.

A negative concentration was reported for cobalt in one of the various laboratory method blanks. This occurrence is an indication of poor instrument performance (base-line fluctuations). The positive results for this analyte were qualified as estimated, "J" in the validated samples.

Interference Check Sample Results:

The interfering analytes iron and calcium were present in the validated samples at concentrations which exceeded 50% of the respective concentrations in the ICP solution for these analytes. Additionally, arsenic, sodium, barium, manganese, cadmium, and zinc which were not supposed to be present in the ICS solution were detected in this solution at levels which exceeded two times (2X) the IDL. In addition, elevated positive results may exist for the other compounds as a results of interference stemming from high iron and calcium concentrations. Positive results for zinc in the affected sample was qualified as estimated, "J". None of the other analytes were affected by interferences stemming from high iron and calcium concentrations.

Furthermore, nondetects for arsenic in the affected samples have been rejected, "R", as a result of suppression due to high iron and calcium concentrations.

No other problems were noted.

KIRTLAND AIR FORCE BASE
CASE NO. KRT2D, SDG NO. RB11B
TABLE 1 - RECOMMENDATION SUMMARY

Aluminum			Magnesium	
Antimony			Manganese	
Arsenic		R[1]	Mercury	
Barium			Molybdenum	
Beryllium			Nickel	
Cadmium			Potassium	
Calcium			Selenium	
Chromium			Silver	
Copper	J[1]		Sodium	
Cobalt			Thallium	
Iron			Vanadium	
Lead			Zinc	J[2]

If the field is left blank, the qualifier is A, accept all data.

J[1] - Estimate "J", positive result because negative concentrations were reported in the laboratory method blanks. Sample results are estimated due to poor instrument performance.

J[2] - Estimate "J", positive results due to ICP ICS interference as a result of high iron and calcium concentrations.

R[1] - Reject, "R", nondetects as a result of suppression due to high iron and calcium concentrations.

Brown & Root Environmental **INTERNAL MEMORANDUM**

TO: Karin Crandall **DATE:** August 31, 1994

FROM: Bernard J. Kuhn **COPIES:** File 2A56

SUBJECT: INORGANIC DATA VALIDATION
KIRTLAND AIR FORCE BASE, RFI DATA
CASE NO. KRT2D, SDG NO. RB11C

SAMPLES: Soil: RB11-13-0913, RB11-93-0307

HALLIBURTON NUS Laboratories analyzed 22 soil samples for Target Analyte List (TAL) metals including cyanide and Molybdenum by Inductively Coupled Plasma (ICP) method and for mercury by Cold Vapor method. This memorandum only addresses the evaluation of the two soil samples listed above since only ten percent of all data will be reviewed.

Data for these analyses were reviewed with reference to the EPA "Functional Guidelines for Inorganic Data Validation", the "Brooks Air Force Base IRP Handbook," and the Stage 2B Sampling and Analysis Plan, January 1993. The data were evaluated according to the following parameters:

- Data completeness
- Holding Times
- * Calibrations
- * Blanks
- * ICP Interference Check Results
- * Matrix Spike Recoveries
- Laboratory Duplicates
- * Laboratory Control Sample Results
- Detection Limit Results
- Sample Results

The symbol (*) indicates that quality control criteria were not met for this parameter. Analysis of CRDL standards and ICP Serial dilutions are not contractually required, consequently, the sample data were not evaluated for these parameters. Additionally, field duplicate results were not evaluated since the field duplicate pair was not reviewed during validation of this data package. Problems affecting data usability are addressed below, and the attached Table 1 summarizes the data validation qualifications.

Calibrations

One Continuing Calibration Verification (CCV) Percent Recovery (%R) for sodium was below the lower (90%) quality control limit. Positive results for this analyte in the validated samples were qualified as estimated, "J".

Blanks

Laboratory method and field quality control blank analyses yielded the following contaminants at the maximum concentrations indicated:

Contaminant	Maximum Concentration	Action Level* for soil samples (mg/kg)
Cadmium	5.0 ug/l	2.5
Chromium	12 ug/l	6.0
Zinc	1.0 mg/kg	5.0

* A 1 g to 100 ml sample digestion was employed for these soil samples.

Action levels of 5X these concentrations were used to evaluate the sample data. Sample weight, moisture content and dilution factors were taken into consideration prior to the application of all action levels. Positive results for cadmium less than the action level were qualified as undetected, "U". No actions were necessary for the remaining analytes since all sample concentrations of these analytes were nondetects or greater than the action levels.

A negative concentration was reported for cobalt in the various laboratory method blanks. This occurrence is an indication of poor instrument performance (base-line fluctuations). Positive results for this analyte were qualified as estimated, "J" in the validated samples.

Interference Check Sample Results:

The interfering analyte iron and calcium were present in the validated samples at concentrations which exceeded 50% of the respective concentrations in the ICP solution for these analytes. Additionally, arsenic, sodium, barium, cadmium, manganese, and zinc which were not supposed to be present in the ICS solution were detected in this solution at levels which exceeded two times (2X) the IDL. In addition, elevated positive results may exist for the other compounds as a results of interference stemming from high iron and calcium concentrations. Positive results for sodium and zinc in the affected sample was qualified as estimated, "J". No actions were necessary for cadmium since this result in the affected sample was qualified as a result of blank contamination. None of the other analytes were affected by interferences stemming from high iron and calcium concentrations.

Furthermore, nondetects for arsenic in the affected samples have been rejected, "R", as a result of suppression due to high iron and calcium concentrations.

Matrix Spike (MS) Results:

The soil Matrix Spike (MS) Percent Recoveries (%Rs) for arsenic, barium, beryllium, copper, and vanadium were below the lower (75%) quality control criteria. Positive results for these analytes for the soil matrix were qualified as estimated "J" in the validated sample. No actions were necessary for arsenic since nondetects for this analyte have been rejected due to suppression as a result of ICP interferences.

The soil MS %R for potassium exceeded the upper (125%) quality control limit. Positive results for potassium were qualified as estimated, "J", in the validated samples.

Laboratory Control Sample Results:

The solid LCS result for molybdenum, cobalt, and copper were outside quality control limits for the soil matrix. Positive results for cobalt and copper were qualified as estimated, "J" in the validated sample. No actions were taken for molybdenum since only nondetects were reported for this analyte in the validated samples.

No other problems were noted.

KIRTLAND AIR FORCE BASE
CASE NO. KRT2D, SDG NO. RB11C
TABLE 1 - RECOMMENDATION SUMMARY

Aluminum				Magnesium	
Antimony				Manganese	
Arsenic			R^1	Mercury	
Barium		J^2		Molybdenum	
Beryllium		J^2		Nickel	
Cadmium	A^1			Potassium	J^2
Calcium				Selenium	
Chromium				Silver	
Copper		$J^{2,3}$		Sodium	$J^{4,5}$
Cobalt		$J^{1,3}$		Thallium	
Iron				Vanadium	J^2
Lead				Zinc	J^4

If the field is left blank, the qualifier is A, accept all data.

A^1 - Accept data, but change positive result (where appropriate) to a revised detection limit because of blank contamination.

J^1 - Estimate "J", positive result because negative concentrations were reported in the laboratory method blanks. Sample results are estimated due to poor instrument performance.

J^2 - Estimate "J", positive results because of low or high MS recovery.

J^3 - Estimate "J", positive results because of low or high solid LCS results.

J^4 - Estimate "J", positive results due to ICP ICS interference as a result of high iron and calcium concentrations.

J^5 - Estimate, "J", positive result as a result of low CCV recovery.

R^1 - Reject, "R", nondetects as a result of suppression due to high iron and calcium concentrations.

Brown & Root Environmental **INTERNAL MEMORANDUM**

TO: Karin Crandall **DATE:** September 2, 1994

FROM: Bernard J. Kuhn **COPIES:** File 2A56

SUBJECT: INORGANIC DATA VALIDATION
KIRTLAND AIR FORCE BASE, RFI DATA
CASE NO. KRT2D, SDG NO. RB11D

SAMPLES: Soil: RB11-29-1317

HALLIBURTON NUS Laboratories analyzed 18 soil samples and 1 water sample (equipment blank) for Target Analyte List (TAL) metals including cyanide and Molybdenum by Inductively Coupled Plasma (ICP) method and for mercury by Cold Vapor method. This memorandum only addresses the evaluation of the one soil sample listed above since only ten percent of all data will be reviewed.

Data for these analyses were reviewed with reference to the EPA "Functional Guidelines for Inorganic Data Validation", the "Brooks Air Force Base IRP Handbook," and the Stage 2B Sampling and Analysis Plan, January 1993. The data were evaluated according to the following parameters:

- Data completeness
- Holding Times
- Calibrations
- * Blanks
- ICP Interference Check Results
- * Matrix Spike Recoveries
- Laboratory Duplicates
- * Laboratory Control Sample Results
- Detection Limit Results
- Sample Results

The symbol (*) indicates that quality control criteria were not met for this parameter. Analysis of CRDL standards and ICP Serial dilutions are not contractually required, consequently, the sample data were not evaluated for these parameters. Additionally, field duplicate results were not evaluated since the field duplicate pair was not reviewed during validation of this data package. Problems affecting data usability are addressed below, and the attached Table 1 summarizes the data validation qualifications.

Blanks

Laboratory method and field quality control blank analyses yielded the following contaminants at the maximum concentrations indicated:

Contaminant	Maximum Concentration	Action Level* for soil samples
		(mg/kg)
Antimony	247 ug/l	123.5
Cadmium	5.0 ug/l	2.5
Iron[1]	26.0 ug/l	13.0
Zinc[1]	23.0 ug/l	11.5

* A 1 g to 100 ml sample digestion was employed for these soil samples.

[1] - Maximum concentration of contaminant found in field quality control blank.

Action levels of 5X these concentrations were used to evaluate the sample data. Sample weight, moisture content and dilution factors were taken into consideration prior to the application of all action levels. Positive results for cadmium less than the action level were qualified as undetected, "U". No actions were necessary for these analytes since all sample concentrations of these analytes were nondetects or greater than the action levels.

Negative concentrations were reported for cobalt in various laboratory method blanks. These occurrences are an indication of poor instrument performance (base-line fluctuations). The positive result for this analyte was qualified as estimated, "J" in the validated sample.

Matrix Spike (MS) Results:

The soil Matrix Spike (MS) Percent Recoveries (%Rs) for chromium and potassium exceeded the upper (125%) quality control criteria. Positive results for these analytes in the soil matrix were qualified as estimated "J" in the validated sample.

Laboratory Control Sample Results:

The solid LCS results for cobalt, copper, molybdenum, and nickel exceeded quality control limits for the soil matrix. Positive results for cobalt, copper, and nickel were qualified as estimated, "J" in the validated sample. No actions were necessary for molybdenum since only a nondetect was reported for this analyte in the validated sample.

KIRTLAND AIR FORCE BASE
CASE NO. KRT2D, SDG NO. RB11D
TABLE 1 - RECOMMENDATION SUMMARY

Aluminum			Magnesium	
Antimony			Manganese	
Arsenic			Mercury	
Barium			Molybdenum	
Beryllium			Nickel	J^3
Cadmium	A^1		Potassium	J^2
Calcium		J^2	Selenium	
Chromium			Silver	
Copper		J^3	Sodium	
Cobalt		$J^{1,3}$	Thallium	
Iron			Vanadium	
Lead			Zinc	

If the field is left blank, the qualifier is A, accept all data.

A^1 - Accept data, but change positive result (where appropriate) to a revised detection limit because of blank contamination

J^1 - Estimate "J", positive result because negative concentrations were reported in the laboratory method blanks. Sample results are estimated due to poor instrument performance.

J^2 - Estimate "J", positive results because of high MS recovery.

J^3 - Estimate "J", positive results because of high solid LCS results.

Brown & Root Environmental **INTERNAL MEMORANDUM**

TO: Karin Crandall **DATE:** September 2, 1994

FROM: Bernard J. Kuhn **COPIES:** File 2A56

SUBJECT: INORGANIC DATA VALIDATION
KIRTLAND AIR FORCE BASE, RFI DATA
CASE NO. KRT2D, SDG NO. RB11E

SAMPLES: Soil: RB11-06-1822, RB11-08-1822, RB11-09-0811

HALLIBURTON NUS Laboratories analyzed 19 soil samples and 1 water sample (equipment blank) for Target Analyte List (TAL) metals including cyanide and Molybdenum by Inductively Coupled Plasma (ICP) method and for mercury by Cold Vapor method. This memorandum only addresses the evaluation of the three soil samples listed above since only ten percent of all data will be reviewed.

Data for these analyses were reviewed with reference to the EPA "Functional Guidelines for Inorganic Data Validation", the "Brooks Air Force Base IRP Handbook," and the Stage 2B Sampling and Analysis Plan, January 1993. The data were evaluated according to the following parameters:

- Data completeness
- Holding Times
- * Calibrations
- * Blanks
- * ICP Interference Check Results
- Matrix Spike Recoveries
- Laboratory Duplicates
- * Laboratory Control Sample Results
- Detection Limit Results
- Sample Results

The symbol (*) indicates that quality control criteria were not met for this parameter. Analysis of CRDL standards and ICP Serial dilutions are not contractually required, consequently, the sample data were not evaluated for these parameters. Additionally, field duplicate results were not evaluated since the field duplicate pair was not reviewed during validation of this data package. Problems affecting data usability are addressed below, and the attached Table 1 summarizes the data validation qualifications.

Calibrations

The Continuing Calibration Verification (CCV) Percent Recovery (%R) for sodium was below the lower (90%) quality control limit. Positive results for these analytes in the validated samples were qualified as estimated, "J".

Blanks

Laboratory method and field quality control blank analyses yielded the following contaminants at the maximum concentrations indicated:

Contaminant	Maximum Concentration	Action Level* for soil samples (mg/kg)
Antimony[1]	247 ug/l	123.5
Cadmium[1]	5.0 ug/l	2.5
Zinc	2.60 mg/kg	13.0

* A 1 g to 100 ml sample digestion was employed for these soil samples.

[1] - A negative concentration was noted for this analyte

Action levels of 5X these concentrations were used to evaluate the sample data. Sample weight, moisture content and dilution factors were taken into consideration prior to the application of all action levels. Positive results for cadmium less than the action level were qualified as undetected, "U". No actions were necessary for these analytes since all sample concentrations of these analytes were nondetects or greater than the action levels.

Negative concentrations were reported for antimony, cadmium, cobalt, and selenium in various laboratory method blanks. These occurrences are an indication of poor instrument performance (base-line fluctuations). Positive results (not affected by the previously disscussed action levels) and nondetects for these analytes were qualified as estimated, "J" and "UJ", respectively in the validated samples.

Interference Check Sample Results:

The interfering analytes iron and calcium were present in two validated samples at concentrations which exceeded 50% of the respective concentrations in the ICP solution for these analytes. Additionally, arsenic, sodium, barium, antimony, and zinc which were not supposed to be present in the ICS solution were detected in this solution at levels which exceeded two times (2X) the IDL. In addition, elevated

positive results may exist for the other compounds as a results of interference stemming from high iron and calcium concentrations. Positive results for barium, sodium, and zinc in the affected samples were qualified as estimated, "J". None of the other analytes were affected by interferences stemming from high iron and calcium concentrations.

Furthermore, nondetected results for arsenic in the affected samples have been rejected, "R", as a result of suppression due to the high iron and calcium concentrations.

Laboratory Control Sample Results:

The solid LCS result for copper exceeded quality control limits for the soil matrix. Positive results for copper were qualified as estimated, "J" in the validated sample.

No other problems were noted.

KIRTLAND AIR FORCE BASE
CASE NO. KRT2D, SDG NO. RB11E
TABLE 1 - RECOMMENDATION SUMMARY

Aluminum				Magnesium	
Antimony		J^1		Manganese	
Arsenic			R^1	Mercury	
Barium		J^4		Molybdenum	
Beryllium				Nickel	
Cadmium	A^1	J^1		Potassium	
Calcium				Selenium	J^1
Chromium				Silver	
Copper		J^3		Sodium	$J^{2,4}$
Cobalt		J^1		Thallium	
Iron				Vanadium	
Lead				Zinc	J^4

If the field is left blank, the qualifier is A, accept all data.

A^1 - Accept data, but change positive result (where appropriate) to a revised detection limit because of blank contamination

J^1 - Estimate "J", positive results or "UJ", nondetects because negative concentrations were reported in the laboratory method blanks. Sample results are estimated due to poor instrument performance.

J^2 - Estimate "J", positive results because of a low CCV recovery.

J^3 - Estimate "J", positive results because of high solid LCS results.

J^4 - Estimate "J", positive results due to ICP ICS interference as a result of high iron and calcium concentrations.

R^1 - Reject "R", nondetects as a result of suppression due to high iron and calcium concentrations.

Brown & Root Environmental **INTERNAL MEMORANDUM**

TO: Karin Crandall **DATE: September 3, 1994**

FROM: Bernard J. Kuhn **COPIES: File 2A56**

SUBJECT: **INORGANIC DATA VALIDATION**
KIRTLAND AIR FORCE BASE, RFI DATA
CASE NO. KRT2D, SDG NO. RB11F

SAMPLES: Soil: RB11-36-0812, RB11-88-0307, RB11-89-0307

HALLIBURTON NUS Laboratories analyzed 16 soil samples for Target Analyte List (TAL) metals including cyanide and Molybdenum by Inductively Coupled Plasma (ICP) method and for mercury by Cold Vapor method. This memorandum only addresses the evaluation of the three soil samples listed above since only ten percent of all data will be reviewed.

Data for these analyses were reviewed with reference to the EPA "Functional Guidelines for Inorganic Data Validation", the "Brooks Air Force Base IRP Handbook," and the Stage 2B Sampling and Analysis Plan, January 1993. The data were evaluated according to the following parameters:

- Data completeness
- Holding Times
- Calibrations
- * Blanks
- * ICP Interference Check Results
- * Matrix Spike Recoveries
- Laboratory Duplicates
- Laboratory Control Sample Results
- Field Duplicates
- Detection Limit Results
- Sample Results

The symbol (*) indicates that quality control criteria were not met for this parameter. Analysis of CRDL standards and ICP Serial dilutions are not contractually required, consequently, the sample data were not evaluated for these parameters. Problems affecting data usability are addressed below, and the attached Table 1 summarizes the data validation qualifications.

Blanks

Laboratory method blank analyses yielded the following contaminants at the maximum concentrations indicated:

Contaminant	Maximum Concentration	Action Level* for soil samples
		(mg/kg)
Antimony[1]	247 ug/l	123.5
Zinc	2.60 mg/kg	13.0

* A 1 g to 100 ml sample digestion was employed for these soil samples.

[1] - A negative concentration was noted for this analyte

Action levels of 5X these concentrations were used to evaluate the sample data. Sample weight, moisture content and dilution factors were taken into consideration prior to the application of all action levels. No actions were necessary for these analytes since all sample concentrations of these analytes were nondetects or greater than the action levels.

Negative concentrations were reported for antimony, cadmium, and selenium in various laboratory method blanks. These occurrences are an indication of poor instrument performance (base-line fluctuations). Positive results and nondetects for these analytes were qualified as estimated, "J" and "UJ", respectively in the validated samples.

Interference Check Sample Results:

The interfering analytes iron and calcium were present in the validated samples at concentrations which exceeded 50% of the respective concentrations in the ICP solution for these analytes. Additionally, arsenic, sodium, barium, manganese, and zinc which were not supposed to be present in the ICS solution were detected in this solution at levels which exceeded two times (2X) the IDL. In addition, elevated positive results may exist for the other compounds as a results of interference stemming from high iron and calcium concentrations. Positive results for sodium and zinc in the affected samples were qualified as estimated, "J". None of the other analytes were affected by interferences stemming from high iron and calcium concentrations.

Furthermore, nondetected results for arsenic in the affected samples have been rejected, "R", as a result of suppression due to the high iron and calcium concentrations.

Matrix Spike (MS) Results:

The soil Matrix Spike (MS) Percent Recoveries (%Rs) for nickel and potassium exceeded the upper quality control criteria. Positive results for nickel and potassium in the soil matrix were qualified as estimated, "J", in the validated samples.

No other problems were noted.

KIRTLAND AIR FORCE BASE
CASE NO. KRT2D, SDG NO. RB11F
TABLE 1 - RECOMMENDATION SUMMARY

Aluminum			Magnesium	
Antimony	J^1		Manganese	
Arsenic		R^1	Mercury	
Barium			Molybdenum	
Beryllium			Nickel	J^2
Cadmium	J^1		Potassium	J^2
Calcium			Selenium	J^1
Chromium			Silver	
Copper			Sodium	J^3
Cobalt			Thallium	
Iron			Vanadium	
Lead			Zinc	J^3

If the field is left blank, the qualifier is A, accept all data.

J^1 - Estimate "J", positive results or "UJ", nondetects because negative concentrations were reported in the laboratory method blanks. Sample results are estimated due to poor instrument performance.

J^2 - Estimate "J", positive results because of high MS recovery.

J^3 - Estimate "J", positive results due to ICP ICS interference as a result of high iron and calcium concentrations.

R^1 - Reject "R", nondetects as a result of suppression due to high iron and calcium concentrations.

Brown & Root Environmental **INTERNAL MEMORANDUM**

TO: Karin Crandall **DATE:** September 3, 1994

FROM: Bernard J. Kuhn **COPIES:** File 2A56

SUBJECT: INORGANIC DATA VALIDATION
KIRTLAND AIR FORCE BASE, RFI DATA
CASE NO. KRT2D, SDG NO. RB11G

SAMPLES: Soil: RB11-26-1822

HALLIBURTON NUS Laboratories analyzed 18 soil samples and 1 water sample (equipment blank) for Target Analyte List (TAL) metals including cyanide and Molybdenum by Inductively Coupled Plasma (ICP) method and for mercury by Cold Vapor method. This memorandum only addresses the evaluation of the one soil sample listed above since only ten percent of all data will be reviewed.

Data for these analyses were reviewed with reference to the EPA "Functional Guidelines for Inorganic Data Validation", the "Brooks Air Force Base IRP Handbook," and the Stage 2B Sampling and Analysis Plan, January 1993. The data were evaluated according to the following parameters:

- Data completeness
- Holding Times
- Calibrations
- * Blanks
- * ICP Interference Check Results
- * Matrix Spike Recoveries
- Laboratory Duplicates
- Laboratory Control Sample Results
- Detection Limit Results
- Sample Results

The symbol (*) indicates that quality control criteria were not met for this parameter. Analysis of CRDL standards and ICP Serial dilutions are not contractually required, consequently, the sample data were not evaluated for these parameters. Additionally, field duplicate results were not evaluated since the field duplicate pair was not reviewed during validation of this data package. Problems affecting data usability are addressed below, and the attached Table 1 summarizes the data validation qualifications.

Blanks

Laboratory method and field quality control blank analyses yielded the following contaminants at the maximum concentrations indicated:

Contaminant	Maximum Concentration	Action Level* for soil samples (mg/kg)
Aluminum[2]	51.0 ug/l	25.5
Antimony[1]	247 ug/l	123.5
Calcium	4598 ug/l	2299
Chromium[2]	15.0 ug/l	7.5
Copper[2]	17.0 ug/l	8.5
Iron	105 ug/l	52.5
Magnesium[2]	53.0 ug/l	26.5
Manganese	6.0 ug/l	3.0
Sodium	237 ug/l	118.5
Zinc	133 ug/l	66.5

* A 1 g to 100 ml sample digestion was employed for these soil samples.

[1] - A negative concentration was noted for this analyte
[2] - Maximum concentration of contaminant found in the field quality control blank.

Action levels of 5X these concentrations were used to evaluate the sample data. Sample weight, moisture content and dilution factors were taken into consideration prior to the application of all action levels. No actions were necessary for these analytes since all sample concentrations of these analytes were nondetects or greater than the action levels.

Negative concentrations were reported for antimony, cadmium, and selenium in various laboratory method blanks. These occurrences are an indication of poor instrument performance (base-line fluctuations). Positive results and nondetects for these analytes were qualified as estimated, "J" and "UJ", respectively in the validated samples. No actions were necessary for antimony since this result was rejected as a result of ICP interferences.

Interference Check Sample Results:

The interfering analytes iron and calcium were present in the validated sample at concentrations which exceeded 50% of the respective concentrations in the ICP solution for these analytes. Additionally, antimony, sodium, barium, cadmium, manganese, and zinc which were not supposed to be present in the ICS solution were detected in this solution at levels which exceeded two times (2X) the IDL. In addition, elevated positive results may exist for the other compounds as a results of interference stemming from high iron and calcium concentrations. Positive results for sodium and cadmium in the affected sample were qualified as estimated, "J". None of the other analytes were affected by interferences stemming from high iron and calcium concentrations.

Furthermore, nondetected results for antimony in the affected sample was rejected, "R", as a result of suppression due to the high iron and calcium concentrations.

Matrix Spike (MS) Results:

The soil Matrix Spike (MS) Percent Recoveries (%Rs) for barium and potassium exceeded the upper quality control criteria. Positive results for barium and potassium of the soil matrix were qualified as estimated, "J", in the validated samples.

No other problems were noted.

KIRTLAND AIR FORCE BASE
CASE NO. KRT2D, SDG NO. RB11G
TABLE 1 - RECOMMENDATION SUMMARY

Aluminum			Magnesium	
Antimony		R[1]	Manganese	
Arsenic			Mercury	
Barium	J[2]		Molybdenum	
Beryllium			Nickel	
Cadmium	J[1,3]		Potassium	J[2]
Calcium			Selenium	J[1]
Chromium			Silver	
Copper			Sodium	J[3]
Cobalt			Thallium	
Iron			Vanadium	
Lead			Zinc	

If the field is left blank, the qualifier is A, accept all data.

J[1] - Estimate "J", positive results or "UJ", nondetects because negative concentrations were reported in the laboratory method blanks. Sample results are estimated due to poor instrument performance.

J[2] - Estimate "J", positive results because of high MS recovery.

J[3] - Estimate "J", positive results due to ICP ICS interference because of high iron and calcium concentrations.

R[1] - Reject "R", nondetects as a result of suppression due to high iron and calcium concentrations.

Brown & Root Environmental **INTERNAL MEMORANDUM**

TO: Karin Crandall **DATE: September 4, 1994**

FROM: Bernard J. Kuhn **COPIES: File 2A56**

SUBJECT: **INORGANIC DATA VALIDATION**
KIRTLAND AIR FORCE BASE, RFI DATA
CASE NO. KRT2D, SDG NO. RB11H

SAMPLES: Soil: RB11-28-1317, RB11-28-2832

HALLIBURTON NUS Laboratories analyzed 18 soil samples for Target Analyte List (TAL) metals including cyanide and Molybdenum by Inductively Coupled Plasma (ICP) method and for mercury by Cold Vapor method. This memorandum only addresses the evaluation of the two soil samples listed above since only ten percent of all data will be reviewed.

Data for these analyses were reviewed with reference to the EPA "Functional Guidelines for Inorganic Data Validation", the "Brooks Air Force Base IRP Handbook," and the Stage 2B Sampling and Analysis Plan, January 1993. The data were evaluated according to the following parameters:

- Data completeness
- Holding Times
- Calibrations
- * Blanks
- * ICP Interference Check Results
- Matrix Spike Recoveries
- Laboratory Duplicates
- Laboratory Control Sample Results
- Detection Limit Results
- Sample Results

The symbol (*) indicates that quality control criteria were not met for this parameter. Analysis of CRDL standards and ICP Serial dilutions are not contractually required, consequently, the sample data were not evaluated for these parameters. Additionally, field duplicate results were not evaluated since the field duplicate pair was not reviewed during validation of this data package. Problems affecting data usability are addressed below, and the attached Table 1 summarizes the data validation qualifications.

Blanks

Laboratory method blank analyses yielded the following contaminants at the maximum concentrations indicated:

Contaminant	Maximum Concentration	Action Level* for soil samples (mg/kg)
Calcium	55.6 mg/kg	278
Chromium	1.4 mg/kg	7.0
Iron	4.2 mg/kg	21.0
Manganese	6.0 ug/l	3.0
Sodium	237 ug/l	118.5
Zinc	6.9 mg/kg	21

* A 1 g to 100 ml sample digestion was employed for these soil samples.

Action levels of 5X these concentrations were used to evaluate the sample data. Sample weight, moisture content and dilution factors were taken into consideration prior to the application of all action levels. No actions were necessary for these analytes since all sample concentrations of these analytes were nondetects or greater than the action levels.

Interference Check Sample Results:

The interfering analytes iron and calcium were present in the validated sample at concentrations which exceeded 50% of the respective concentrations in the ICP solution for these analytes. Additionally, sodium, barium, cadmium, manganese, and zinc which were not supposed to be present in the ICS solution were detected in this solution at levels which exceeded two times (2X) the IDL. In addition, elevated positive results may exist for the other compounds as a results of interference stemming from high iron and calcium concentrations. Positive results for cadmium, sodium and zinc in the affected sample were qualified as estimated, "J". None of the other analytes were affected by interferences stemming from high iron and calcium concentrations.

No other problems were noted.

KIRTLAND AIR FORCE BASE
CASE NO. KRT2D, SDG NO. RB11H
TABLE 1 - RECOMMENDATION SUMMARY

Aluminum		Magnesium	
Antimony		Manganese	
Arsenic		Mercury	
Barium		Molybdenum	
Beryllium		Nickel	
Cadmium	J[1]	Potassium	
Calcium		Selenium	
Chromium		Silver	
Copper		Sodium	J[1]
Cobalt		Thallium	
Iron		Vanadium	
Lead		Zinc	J[1]

If the field is left blank, the qualifier is A, accept all data.

J[1] - Estimate "J", positive results due to ICP ICS interference because of high iron and calcium concentrations.

Brown & Root Environmental **INTERNAL MEMORANDUM**

TO: Karin Crandall **DATE: September 2, 1994**

FROM: Bernard J. Kuhn **COPIES: File 2A56**

SUBJECT: INORGANIC DATA VALIDATION
KIRTLAND AIR FORCE BASE, RFI DATA
CASE NO. KRT2D, SDG NO. RB11I

SAMPLES: Soil: RB11-32-1317, RB11-BG01-0812
RB11-BG02-1317, RB11-BG02-1822

HALLIBURTON NUS Laboratories analyzed 18 soil samples and 2 water samples (equipment blanks) for Target Analyte List (TAL) metals including cyanide and Molybdenum by Inductively Coupled Plasma (ICP) method and for mercury by Cold Vapor method. This memorandum only addresses the evaluation of the four soil samples listed above since only ten percent of all data will be reviewed.

Data for these analyses were reviewed with reference to the EPA "Functional Guidelines for Inorganic Data Validation", the "Brooks Air Force Base IRP Handbook," and the Stage 2B Sampling and Analysis Plan, January 1993. The data were evaluated according to the following parameters:

- Data completeness
- Holding Times
- Calibrations
- * Blanks
- * ICP Interference Check Results
- * Matrix Spike Recoveries
- Laboratory Duplicates
- * Laboratory Control Sample Results
- Detection Limit Results
- Sample Results

The symbol (*) indicates that quality control criteria were not met for this parameter. Analysis of CRDL standards and ICP Serial dilutions are not contractually required, consequently, the sample data were not evaluated for these parameters. Additionally, field duplicate results were not evaluated since the field duplicate pair was not reviewed during validation of this data package. Problems affecting data usability are addressed below, and the attached Table 1 summarizes the data validation qualifications.

Blanks

Laboratory method and field quality control blank analyses yielded the following contaminants at the maximum concentrations indicated:

Contaminant	Maximum Concentration	Action Level* for soil samples (mg/kg)
Aluminum	258 ug/l	129
Calcium[1]	1170 ug/l	585
Chromium	14.0 ug/l	7.0
Copper[1]	14.0 ug/l	7.0
Iron[1]	24.0 ug/l	12.0
Magnesium[1]	223 ug/l	111.5
Manganese	6.0 ug/l	3.0
Potassium	216 ug/l	108
Sodium	1248 ug/l	624
Zinc[1]	77.0 ug/l	38.5

* A 1 g to 100 ml sample digestion was employed for these soil samples.

[1] - Maximum concentration of contaminant found in field quality control blank.

Action levels of 5X these concentrations were used to evaluate the sample data. Sample weight, moisture content and dilution factors were taken into consideration prior to the application of all action levels. Positive results for sodium and chromium less than the action level were qualified as undetected, "U". No actions were necessary for the remaining analytes since all sample concentrations of these analytes were nondetects or greater than the action levels.

A negative concentration was reported for antimony in the various laboratory method blanks. This occurrence is an indication of poor instrument performance (base-line fluctuations). Nondetects for this analyte were qualified as estimated, "UJ", in the validated samples.

Interference Check Sample Results:

The interfering analytes iron and/or calcium were present in the validated samples at concentrations which exceeded 50% of the respective concentrations in the ICP

solution for these analytes. Additionally, arsenic, sodium, barium, manganese and zinc which were not supposed to be present in the ICS solution were detected in this solution at levels which exceeded two times (2X) the IDL. In addition, elevated positive results may exist for the other compounds as a results of interference stemming from high iron and calcium concentrations. Positive results for zinc in the affected samples were qualified as estimated, "J". No actions were necessary for sodium since this analyte in the affected samples was qualified as a result of blank contamination. None of the other analytes were affected by interferences stemming from high iron and calcium concentrations.

Furthermore, nondetected results for arsenic in the affected samples have been rejected, "R", as a result of suppression due to the high iron and/or calcium concentrations.

Matrix Spike (MS) Results:

The soil Matrix Spike (MS) Percent Recovery (%R) for potassium exceeded the upper quality control criteria. Positive results for this analyte of the soil matrix were qualified as estimated, "J", in the validated samples.

Laboratory Control Sample Results:

The solid LCS results for chromium and nickel were outside quality control limits for the soil matrix. Positive results for nickel were qualified as estimated, "J" in the validated samples. No action was necessary for chromium since the results in the validated samples were qualified as a result of blank contamination.

No other problems were noted.

KIRTLAND AIR FORCE BASE
CASE NO. KRT2D, SDG NO. RB11I
TABLE 1 - RECOMMENDATION SUMMARY

Aluminum				Magnesium			
Antimony		J^1		Manganese			
Arsenic			R^1	Mercury			
Barium				Molybdenum			
Beryllium				Nickel			J^3
Cadmium				Potassium			J^2
Calcium				Selenium			
Chromium	A^1			Silver			
Copper				Sodium	A^1		
Cobalt				Thallium			
Iron				Vanadium			
Lead				Zinc			J^4

If the field is left blank, the qualifier is A, accept all data.

A^1 - Accept data, but change positive result (where appropriate) to a revised detection limit because of blank contamination

J^1 - Estimate "UJ", nondetects because negative concentrations were reported in the laboratory method blanks. Sample results are estimated due to poor instrument performance.

J^2 - Estimate "J", positive results because of high MS recovery.

J^3 - Estimate "J", positive results because of low solid LCS results.

J^4 - Estimate "J", positive results due to ICP ICS interference as a result of high iron and calcium concentrations.

R^1 - Reject "R", nondetects as a result of suppression due to high iron and/or calcium concentrations.

Brown & Root Environmental **INTERNAL MEMORANDUM**

TO: Karin Crandall **DATE:** September 23, 1994

FROM: Dwayne S. Mock **COPIES:** File 2A56

SUBJECT: RADIOLOGICAL DATA VALIDATION
KIRTLAND AIR FORCE BASE, RFI DATA
CASE NO. KRT2D, SDG NO. RB11A

SAMPLES: Soil: RB11-21-1822

HALLIBURTON NUS Laboratories analyzed 15 soil samples and 2 water samples (equipment blank) for gross alpha/gross beta by SW846 Method 9310 and radium-226 and radium-228 were analyzed using the Planchet method (a method developed from EPA Methods 904.0, 903.0, and 900.1). No field duplicate pairs were included with this analytical data set. This memorandum only addresses the evaluation of the one soil sample listed above since only ten percent of all data will be reviewed.

Data for these analyses were reviewed with reference to the method specific guidelines, the "Brooks Air Force Base IRP Handbook," and the Stage 2B Sampling and Analysis Plan, January 1993. The data were evaluated according to the following parameters:

- Data Completeness
- Holding Times
- Calibration Data
- Laboratory and Field Quality Control Blank Results
- Matrix Spike Results
- Laboratory Duplicate Precision
- * Laboratory Control Sample Results
- * Detection Limit Results
- Sample Preparation/Quantitation

The symbol (*) indicates that quality control criteria were not met for this parameter. Problems affecting data usability are addressed below, and the attached Table 1 summarizes the data validation qualifications.

Laboratory Control Sample Results

The Laboratory Control Sample (LCS) Percent Recoveries (%Rs) associated with BATCH# 27973 for gross beta (230%) was excessively high. The positive result (> MDA) in the validated sample was qualified as estimated, "J".

The LCS %Rs associated with BATCH# 28156 for radium-226 (35.4%) and radium 228 (23.1%) were low. Positive results (> MDA) in the validated sample were qualified as estimated, "J".

Detection Limit Results

Uncertainty at or near the Instrumental Detection Limit (IDL) was evaluated as follows. Radiological activities in the validated sample > Minimum Detectable Activity (MDA) were qualified as estimated, "J", in instances where the error associated with the analyte quantitation (i.e. 2 sigma) forces a sample result near or below the MDA. In such situations, it is the professional opinion of the data reviewer that uncertainty inherent in the reported activity warrants data qualification. Similarly, radiological activities reported < the MDA are qualified as estimated, "UJ", in the validated sample.

No other problems were noted.

KIRTLAND AIR FORCE BASE
CASE NO. KRT2D, SDG NO. RB11A
TABLE 1 - RECOMMENDATION SUMMARY

Gross Alpha	J^1
Gross Beta	J^2
Radium-226	J^3
Radium-228	$J^{1,3}$

If the field is left blank, the qualifier is A, accept all data.

J^1 - Estimate, "J", activities > MDA or, "UJ", results < MDA because of uncertainty at or near the IDL.

J^2 - Estimate, "J", positive results (> MDA) because of excessively high LCS recoveries.

J^3 - Estimate, "J", positive results (> MDA) because of low LCS recoveries.

Brown & Root Environmental **INTERNAL MEMORANDUM**

TO: Karin Crandall **DATE: September 23, 1994**

FROM: Dwayne S. Mock **COPIES: File 2A56**

SUBJECT: **RADIOLOGICAL DATA VALIDATION**
KIRTLAND AIR FORCE BASE, RFI DATA
CASE NO. KRT2D, SDG NO. RB11B

SAMPLES: Soil: RB11-03-0307, RB11-07-0307

HALLIBURTON NUS Laboratories analyzed 25 soil samples and 1 water sample (equipment blank) for gross alpha/gross beta by SW846 Method 9310 and radium-226 and radium-228 were analyzed using the Planchet method (a method developed from EPA Methods 904.0, 903.0, and 900.1). Two field duplicate pairs were included with this analytical data set. This memorandum only addresses the evaluation of the two soil samples listed above since only ten percent of all data will be reviewed.

Data for these analyses were reviewed with reference to the method-specific guidlines, the "Brooks Air Force Base IRP Handbook," and the Stage 2B Sampling and Analysis Plan, January 1993. The data were evaluated according to the following parameters:

- Data Completeness
- Holding Times
- Calibration Data
- Laboratory and Field Quality Control Blank Results
- Matrix Spike Results
- Laboratory Duplicate Precision
- * Laboratory Control Sample Results
- Field Duplicate Precision
- * Detection Limit Results
- Sample Preparation/Quantitation

The symbol (*) indicates that quality control criteria were not met for this parameter. Problems affecting data usability are addressed below, and the attached Table 1 summarizes the data validation qualifications.

Laboratory Control Sample Results

The Laboratory Control Sample (LCS) Percent Recovery (%R) associated with BATCH# 27973 for gross beta (230%) was excessively high. Positive results (> MDA) in the validated samples were qualified as estimated, "J".

The Laboratory Control Sample (LCS) Percent Recoveries (%Rs) associated with BATCH#s 28156 and 28291 for radium-226 (35.4%) and radium-228 (23.1%) were low. Positive results (> MDA) in the validated samples were qualified as estimated, "J".

Detection Limit Results

Uncertainty at or near the Instrumental Detection Limit (IDL) was evaluated as follows. Radiological activities in the validated samples > Minimum Detectable Activity (MDA) were qualified as estimated, "J", in instances where the error associated with the analyte quantitation (i.e. 2 sigma) forces a sample result near or below the MDA. In such situations, it is the professional opinion of the data reviewer that uncertainty inherent in the reported activity warrants data qualification.

No other problems were noted.

KIRTLAND AIR FORCE BASE
CASE NO. KRT2D, SDG NO. RB11B
TABLE 1 - RECOMMENDATION SUMMARY

Gross Alpha	
Gross Beta	J^1
Radium-226	J^2
Radium-228	$J^{2,3}$

If the field is left blank, the qualifier is A, accept all data.

J^1 - Estimate, "J", positive results (> MDA) because of excessively high LCS recovery.

J^2 - Estimate, "J", positive results (> MDA) because of low LCS recoveries.

J^3 - Estimate, "J", activities > MDA because of uncertainty at or near the IDL.

Brown & Root Environmental

INTERNAL MEMORANDUM

TO: Karin Crandall

DATE: September 23, 1994

FROM: Dwayne S. Mock

COPIES: File 2A56

SUBJECT: RADIOLOGICAL DATA VALIDATION
KIRTLAND AIR FORCE BASE, RFI DATA
CASE NO. KRT2D, SDG NO. RB11C

SAMPLES: Soil: RB11-13-0913, RB11-93-0307

HALLIBURTON NUS Laboratories analyzed 20 soil samples and 1 water sample (equipment blank) for gross alpha/gross beta by SW846 Method 9310 and radium-226 and radium-228 were analyzed using the Planchet method (a method developed from EPA Methods 904.0, 903.0, and 900.1). Three field duplicate pairs were included with this analytical data set. This memorandum only addresses the evaluation of the two soil samples listed above since only ten percent of all data will be reviewed.

Data for these analyses were reviewed with reference to the method-specific guidlines, the "Brooks Air Force Base IRP Handbook," and the Stage 2B Sampling and Analysis Plan, January 1993. The data were evaluated according to the following parameters:

- Data Completeness
- Holding Times
- Calibration Data
- Laboratory and Field Quality Control Blank Results
- Matrix Spike Results
- Laboratory Duplicate Precision
- * Laboratory Control Sample Results
- Field Duplicate Precision
- * Detection Limit Results
- Sample Preparation/Quantitation

The symbol (*) indicates that quality control criteria were not met for this parameter. Problems affecting data usability are addressed below, and the attached Table 1 summarizes the data validation qualifications.

Laboratory Control Sample Results

The Laboratory Control Sample (LCS) Percent Recoveries (%Rs) associated with BATCH#s 28377 and 28486 for radium-226 (45% and 35.4%, respectively) and radium-228 (38.5% and 23.1%, respectively) were low. Positive results (> MDA) in the validated samples were qualified as estimated, "J".

The LCS %R associated with BATCH# 28089 for gross alpha (38.4%) was low. The positive result (> MDA) and nondetect (< MDA) in the validated samples were qualified as estimated, "J" and "UJ", respectively.

Detection Limit Results

Uncertainty at or near the Instrumental Detection Limit (IDL) was evaluated as follows. Radiological activities in the validated samples < Minimum Detectable Activity (MDA) were qualified as estimated, "UJ", in the instance where the error associated with the analyte quantitation (i.e. 2 sigma) forces a sample result near or below the MDA. In such situations, it is the professional opinion of the data reviewer that uncertainty inherent in the reported activity warrants data qualification.

No other problems were noted.

KIRTLAND AIR FORCE BASE
CASE NO. KRT2D, SDG NO. RB11C
TABLE 1 - RECOMMENDATION SUMMARY

Gross Alpha	J[1,2]
Gross Beta	
Radium-226	J[2]
Radium-228	J[2]

If the field is left blank, the qualifier is A, accept all data.

J[1] - Estimate, "UJ", results < MDA because of uncertainty at or near the IDL.

J[2] - Estimate, "J", positive results (> MDA) and/or, "UJ", nondetects (< MDA) because of low LCS recoveries.

Brown & Root Environmental **INTERNAL MEMORANDUM**

TO: Karin Crandall **DATE: September 23, 1994**

FROM: Dwayne S. Mock **COPIES: File 2A56**

SUBJECT: **RADIOLOGICAL DATA VALIDATION**
KIRTLAND AIR FORCE BASE, RFI DATA
CASE NO. KRT2D, SDG NO. RB11D

SAMPLES: Soil: RB11-29-1317

HALLIBURTON NUS Laboratories analyzed 19 soil samples and 1 water sample (equipment blank) for gross alpha/gross beta by SW846 Method 9310 and radium-226 and radium-228 were analyzed using the Planchet method (a method developed from EPA Methods 904.0, 903.0, and 900.1). One field duplicate pair was included with this analytical data set. This memorandum only addresses the evaluation of the one soil sample listed above since only ten percent of all data will be reviewed.

Data for these analyses were reviewed with reference to the method-specific guidlines, the "Brooks Air Force Base IRP Handbook," and the Stage 2B Sampling and Analysis Plan, January 1993. The data were evaluated according to the following parameters:

- Data Completeness
- Holding Times
- Calibration Data
- Laboratory and Field Quality Control Blank Results
- Matrix Spike Results
- Laboratory Duplicate Precision
- * Laboratory Control Sample Results
- Field Duplicate Precision
- * Detection Limit Results
- Sample Preparation/Quantitation

The symbol (*) indicates that quality control criteria were not met for this parameter. Problems affecting data usability are addressed below, and the attached Table 1 summarizes the data validation qualifications.

Laboratory Control Sample Results

The Laboratory Control Sample (LCS) Percent Recovery (%R) associated with BATCH# 28309 for gross beta (184%) was excessively high. The positive result (> MDA) in the validated sample was qualified as estimated, "J".

The Laboratory Control Sample (LCS) Percent Recoveries (%Rs) associated with BATCH# 28486 for radium-226 (35.4%) and radium-228 (23.1%) were low. Positive results (> MDA) in the validated sample were qualified as estimated, "J".

The LCS %R associated with BATCH# 28309 for gross alpha (51.2%) was low. The nondetect (< MDA) in the validated sample was qualified as estimated, "UJ".

Detection Limit Results

Uncertainty at or near the Instrumental Detection Limit (IDL) was evaluated as follows. Radiological activities in the validated sample > Minimum Detectable Activity (MDA) were qualified as estimated, "J", in the instance where the error associated with the analyte quantitation (i.e. 2 sigma) forces a sample result near or below the MDA. In such situations, it is the professional opinion of the data reviewer that uncertainty inherent in the reported activity warrants data qualification. Similarly, radiological activities reported < the MDA are qualified as estimated, "UJ", in the validated sample.

No other problems were noted.

KIRTLAND AIR FORCE BASE
CASE NO. KRT2D, SDG NO. RB11D
TABLE 1 - RECOMMENDATION SUMMARY

Gross Alpha	$J^{2,3}$
Gross Beta	J^{1}
Radium-226	J^{2}
Radium-228	$J^{2,3}$

If the field is left blank, the qualifier is A, accept all data.

J^{1} - Estimate, "J", positive results (> MDA) because of excessively high LCS recovery.

J^{2} - Estimate, "J", positive results (> MDA) or, "UJ", the nondetect (< MDA) because of low LCS recoveries.

J^{3} - Estimate, "J", activities > MDA or, "UJ", activities < MDA because of uncertainty at or near the IDL.

Brown & Root Environmental **INTERNAL MEMORANDUM**

TO: Karin Crandall **DATE:** September 23, 1994

FROM: Dwayne S. Mock **COPIES:** File 2A56

SUBJECT: **RADIOLOGICAL DATA VALIDATION**
KIRTLAND AIR FORCE BASE, RFI DATA
CASE NO. KRT2D, SDG NO. RB11E

SAMPLES: Soil: RB11-09-0811, RB11-08-1822, RB11-06-1822

HALLIBURTON NUS Laboratories analyzed 18 soil samples and 1 water sample (equipment blank) for gross alpha/gross beta by SW846 Method 9310 and radium-226 and radium-228 were analyzed using the Planchet method (a method developed from EPA Methods 904.0, 903.0, and 900.1). Two field duplicate pairs were included with this analytical data set. This memorandum only addresses the evaluation of the three soil sample listed above since only ten percent of all data will be reviewed.

Data for these analyses were reviewed with reference to the method-specific guidlines, the "Brooks Air Force Base IRP Handbook," and the Stage 2B Sampling and Analysis Plan, January 1993. The data were evaluated according to the following parameters:

- Data Completeness
- Holding Times
- Calibration Data
- Laboratory and Field Quality Control Blank Results
- Matrix Spike Results
- Laboratory Duplicate Precision
- * Laboratory Control Sample Results
- Field Duplicate Precision
- * Detection Limit Results
- Sample Preparation/Quantitation

The symbol (*) indicates that quality control criteria were not met for this parameter. Problems affecting data usability are addressed below, and the attached Table 1 summarizes the data validation qualifications.

Laboratory Control Sample Results

The Laboratory Control Sample (LCS) Percent Recoveries (%Rs) associated with BATCH#s 28309 and 28357 for gross beta (184%) were excessively high. The positive results (> MDA) in the validated samples were qualified as estimated, "J".

The Laboratory Control Sample (LCS) Percent Recoveries (%Rs) associated with BATCH# 28503 for radium-226 (35.4%) and radium-228 (23.1%) were low. Positive results (> MDA) and nondetects (< MDA) in the validated samples were qualified as estimated, "J" and "UJ", respectively.

The LCS %Rs associated with BATCH#s 28309 and 28357 for gross alpha (51.2% and 53.1%, respectively) were low. Positive results (> MDA) and nondetects (< MDA) in the validated samples were qualified as estimated, "J" and "UJ", respectively.

Detection Limit Results

Uncertainty at or near the Instrumental Detection Limit (IDL) was evaluated as follows. Radiological activities in the validated samples > Minimum Detectable Activity (MDA) were qualified as estimated, "J", in the instance where the error associated with the analyte quantitation (i.e. 2 sigma) forces a sample result near or below the MDA. In such situations, it is the professional opinion of the data reviewer that uncertainty inherent in the reported activity warrants data qualification. Similarly, radiological activities reported < the MDA are qualified as estimated, "UJ", in the validated samples.

No other problems were noted.

KIRTLAND AIR FORCE BASE
CASE NO. KRT2D, SDG NO. RB11E
TABLE 1 - RECOMMENDATION SUMMARY

Gross Alpha	$J^{2,3}$
Gross Beta	J^{1}
Radium-226	J^{2}
Radium-228	$J^{2,3}$

If the field is left blank, the qualifier is A, accept all data.

J^{1} - Estimate, "J", positive results (> MDA) because of excessively high LCS recoveries.

J^{2} - Estimate, "J", positive results (> MDA) and/or, "UJ", nondetects (< MDA) because of low LCS recoveries.

J^{3} - Estimate, "J", activities > MDA and/or, "UJ", activities < MDA because of uncertainty at or near the IDL.

Brown & Root Environmental **INTERNAL MEMORANDUM**

TO: Karin Crandall **DATE: September 23, 1994**

FROM: Dwayne S. Mock **COPIES: File 2A56**

SUBJECT: **RADIOLOGICAL DATA VALIDATION**
KIRTLAND AIR FORCE BASE, RFI DATA
CASE NO. KRT2D, SDG NO. RB11F

SAMPLES: Soil: RB11-36-0812, RB11-88-0307, RB11-89-0307

HALLIBURTON NUS Laboratories analyzed 16 soil samples for gross alpha/gross beta by SW846 Method 9310 and radium-226 and radium-228 were analyzed using the Planchet method (a method developed from EPA Methods 904.0, 903.0, and 900.1). Two field duplicate pairs were included with this analytical data set. No field quality control blanks were included in this SDG. This memorandum only addresses the evaluation of the three soil samples listed above since only ten percent of all data will be reviewed.

Data for these analyses were reviewed with reference to the method-specific guidlines, the "Brooks Air Force Base IRP Handbook," and the Stage 2B Sampling and Analysis Plan, January 1993. The data were evaluated according to the following parameters:

- Data Completeness
- Holding Times
- Calibration Data
- Laboratory Blank Results
- Matrix Spike Results
- Laboratory Duplicate Precision
- * Laboratory Control Sample Results
- Field Duplicate Precision
- * Detection Limit Results
- Sample Preparation/Quantitation

The symbol (*) indicates that quality control criteria were not met for this parameter. Problems affecting data usability are addressed below, and the attached Table 1 summarizes the data validation qualifications.

Laboratory Control Sample Results

The Laboratory Control Sample (LCS) Percent Recoveries (%Rs) associated with BATCH#s 28357 and 28505 for gross beta (184%) were excessively high. Positive results (> MDA) in the validated samples were qualified as estimated, "J".

The Laboratory Control Sample (LCS) Percent Recoveries (%Rs) associated with BATCH# 28601 for radium-226 (35.4%) and radium-228 (23.1%) were low. Positive results (> MDA) in the validated samples were qualified as estimated, "J".

The LCS %R associated with BATCH#s 28357 and 28505 for gross alpha (53.1% and 51.2%, respectively) were low. The positive result (> MDA) and nondetects (< MDA) in the validated samples were qualified as estimated, "J" and "UJ", respectively.

Detection Limit Results

Uncertainty at or near the Instrumental Detection Limit (IDL) was evaluated as follows. Radiological activities in the validated samples > Minimum Detectable Activity (MDA) were qualified as estimated, "J", in the instance where the error associated with the analyte quantitation (i.e. 2 sigma) forces a sample result near or below the MDA. In such situations, it is the professional opinion of the data reviewer that uncertainty inherent in the reported activity warrants data qualification. Similarly, radiological activities reported < the MDA are qualified as estimated, "UJ", in the validated samples.

No other problems were noted.

KIRTLAND AIR FORCE BASE
CASE NO. KRT2D, SDG NO. RB11F
TABLE 1 - RECOMMENDATION SUMMARY

BA

Gross Alpha	$J^{2,3}$
Gross Beta	J^{1}
Radium-226	J^{2}
Radium-228	$J^{2,3}$

If the field is left blank, the qualifier is A, accept all data.

J^{1} - Estimate, "J", positive results (> MDA) because of excessively high LCS recoveries.

J^{2} - Estimate, "J", positive results (> MDA) and, "UJ", nondetects (< MDA) because of low LCS recoveries.

J^{3} - Estimate, "J", activities > MDA or, "UJ", activities < MDA because of uncertainty at or near the IDL.

Brown & Root Environmental **INTERNAL MEMORANDUM**

TO: Karin Crandall **DATE:** September 23, 1994

FROM: Dwayne S. Mock **COPIES:** File 2A56

SUBJECT: RADIOLOGICAL DATA VALIDATION
KIRTLAND AIR FORCE BASE, RFI DATA
CASE NO. KRT2D, SDG NO. RB11G

SAMPLES: Soil: RB11-26-1812

HALLIBURTON NUS Laboratories analyzed 17 soil samples and 1 water sample (equipment blank) for gross alpha/gross beta by SW846 Method 9310 and radium-226 and radium-228 were analyzed using the Planchet method (a method developed from EPA Methods 904.0, 903.0, and 900.1). One field duplicate pair was included with this analytical data set. This memorandum only addresses the evaluation of the one soil sample listed above since only ten percent of all data will be reviewed.

Data for these analyses were reviewed with reference to the method-specific guidlines, the "Brooks Air Force Base IRP Handbook," and the Stage 2B Sampling and Analysis Plan, January 1993. The data were evaluated according to the following parameters:

- Data Completeness
- Holding Times
- Calibration Data
- Laboratory and Field Quality Control Blank Results
- Matrix Spike Results
- Laboratory Duplicate Precision
- * Laboratory Control Sample Results
- Field Duplicate Precision
- * Detection Limit Results
- Sample Preparation/Quantitation

The symbol (*) indicates that quality control criteria were not met for this parameter. Problems affecting data usability are addressed below, and the attached Table 1 summarizes the data validation qualifications.

Laboratory Control Sample Results

The Laboratory Control Sample (LCS) Percent Recoveries (%Rs) associated with BATCH# 28680 for radium-226 (35.4%) and radium-228 (23.1%) were low. Positive results (> MDA) in the validated sample were qualified as estimated, "J".

The LCS %R associated with BATCH# 28509 for gross alpha (38.4%) was low. The nondetect (< MDA) in the validated sample was qualified as estimated, "UJ".

Detection Limit Results

Uncertainty at or near the Instrumental Detection Limit (IDL) was evaluated as follows. Radiological activities in the validated samples < Minimum Detectable Activity (MDA) were qualified as estimated, "UJ", in the instance where the error associated with the analyte quantitation (i.e. 2 sigma) forces a sample result near or below the MDA. In such situations, it is the professional opinion of the data reviewer that uncertainty inherent in the reported activity warrants data qualification.

No other problems were noted.

KIRTLAND AIR FORCE BASE
CASE NO. KRT2D, SDG NO. RB11G
TABLE 1 - RECOMMENDATION SUMMARY

Gross Alpha	J[1,2]
Gross Beta	
Radium-226	J[2]
Radium-228	J[2]

If the field is left blank, the qualifier is A, accept all data.

J[1] - Estimate, "UJ", activities < MDA because of uncertainty at or near the IDL.

J[2] - Estimate, "J", positive results (> MDA) or, "UJ", nondetects (< MDA) because of low LCS recoveries.

Brown & Root Environmental **INTERNAL MEMORANDUM**

TO: Karin Crandall **DATE:** September 23, 1994

FROM: Dwayne S. Mock **COPIES:** File 2A56

SUBJECT: RADIOLOGICAL DATA VALIDATION
KIRTLAND AIR FORCE BASE, RFI DATA
CASE NO. KRT2D, SDG NO. RB11H

SAMPLES: Soil: RB11-28-1317, RB11-28-2832

HALLIBURTON NUS Laboratories analyzed 17 soil samples and 1 water sample (equipment blank) for gross alpha/gross beta by SW846 Method 9310 and radium-226 and radium-228 were analyzed using the Planchet method (a method developed from EPA Methods 904.0, 903.0, and 900.1). Two field duplicate pairs were included with this analytical data set. This memorandum only addresses the evaluation of the two soil samples listed above since only ten percent of all data will be reviewed.

Data for these analyses were reviewed with reference to the method specific guidelines, the "Brooks Air Force Base IRP Handbook," and the Stage 2B Sampling and Analysis Plan, January 1993. The data were evaluated according to the following parameters:

- Data Completeness
- Holding Times
- Calibration Data
- Laboratory and Field Quality Control Blank Results
- Matrix Spike Results
- Laboratory Duplicate Precision
- * Laboratory Control Sample Results
- Field Duplicate Precision
- * Detection Limit Results
- Sample Preparation/Quantitation

The symbol (*) indicates that quality control criteria were not met for this parameter. Problems affecting data usability are addressed below, and the attached Table 1 summarizes the data validation qualifications.

Laboratory Control Sample Results

The Laboratory Control Sample (LCS) Percent Recoveries (%Rs) associated with BATCH# 28752 for radium-226 (35.4%) and radium-228 (23.1%) were low. Positive results (> MDA) in the validated samples were qualified as estimated, "J".

The LCS %R associated with BATCH# 28509 for gross alpha (38.4%) was low. Nondetects (< MDA) in the validated samples were qualified as estimated, "UJ".

Detection Limit Results

Uncertainty at or near the Instrumental Detection Limit (IDL) was evaluated as follows. Radiological activities in the validated samples > Minimum Detectable Activity (MDA) were qualified as estimated, "J", in instances where the error associated with the analyte quantitation (i.e. 2 sigma) forces a sample result near or below the MDA. In such situations, it is the professional opinion of the data reviewer that uncertainty inherent in the reported activity warrants data qualification. Similarly, radiological activities reported < the MDA are qualified as estimated, "UJ", in the validated samples.

No other problems were noted.

KIRTLAND AIR FORCE BASE
CASE NO. KRT2D, SDG NO. RB11H
TABLE 1 - RECOMMENDATION SUMMARY

Gross Alpha	$J^{1,2}$
Gross Beta	
Radium-226	J^{2}
Radium-228	$J^{1,2}$

If the field is left blank, the qualifier is A, accept all data.

J^{1} - Estimate, "J", activities > MDA or, "UJ", results < MDA because of uncertainty at or near the IDL.

J^{2} - Estimate, "J", positive results (> MDA) or, "UJ", nondetects (< MDA) because of low LCS recoveries.

Brown & Root Environmental **INTERNAL MEMORANDUM**

TO: Karin Crandall **DATE:** September 23, 1994

FROM: Dwayne S. Mock **COPIES:** File 2A56

SUBJECT: RADIOLOGICAL DATA VALIDATION
KIRTLAND AIR FORCE BASE, RFI DATA
CASE NO. KRT2D, SDG NO. RB11I

SAMPLES: Soil: RB11-32-1317, RB11-BG01-0812
RB11-BG02-1317, RB11-BG02-1822

HALLIBURTON NUS Laboratories analyzed 17 soil samples and 1 water sample (equipment blank) for gross alpha/gross beta by SW846 Method 9310 and radium-226 and radium-228 were analyzed using the Planchet method (a method developed from EPA Methods 904.0, 903.0, and 900.1). Two field duplicate pairs were included with this analytical data set. This memorandum only addresses the evaluation of the four soil samples listed above since only ten percent of all data will be reviewed.

Data for these analyses were reviewed with reference to the method-specific guidlines, the "Brooks Air Force Base IRP Handbook," and the Stage 2B Sampling and Analysis Plan, January 1993. The data were evaluated according to the following parameters:

- Data Completeness
- Holding Times
- Calibration Data
- Laboratory Blank Results
- Matrix Spike Results
- Laboratory Duplicate Precision
- * Laboratory Control Sample Results
- Field Duplicate Precision
- * Detection Limit Results
- Sample Preparation/Quantitation

The symbol (*) indicates that quality control criteria were not met for this parameter. Problems affecting data usability are addressed below, and the attached Table 1 summarizes the data validation qualifications.

Laboratory Control Sample Results

The Laboratory Control Sample (LCS) Percent Recoveries (%Rs) associated with BATCH# 28677 for gross beta (184%) and BATCH# 28753 for radium-226 (354%) and radium-228 (231%) were excessively high. Positive results (> MDA) in the validated samples were qualified as estimated, "J".

The LCS %Rs associated with BATCH#s 28676 and 28677 for gross alpha (38.4% and 51.2%, respectively) were low. Positive results (> MDA) and nondetects (< MDA) in the validated samples were qualified as estimated, "J" and "UJ", respectively.

Detection Limit Results

Uncertainty at or near the Instrumental Detection Limit (IDL) was evaluated as follows. Radiological activities in the validated samples > Minimum Detectable Activity (MDA) were qualified as estimated, "J", in the instance where the error associated with the analyte quantitation (i.e. 2 sigma) forces a sample result near or below the MDA. In such situations, it is the professional opinion of the data reviewer that uncertainty inherent in the reported activity warrants data qualification. Similarly, radiological activities reported < the MDA are qualified as estimated, "UJ", in the validated samples.

No other problems were noted.

KIRTLAND AIR FORCE BASE
CASE NO. KRT2D, SDG NO. RB11I
TABLE 1 - RECOMMENDATION SUMMARY

Gross Alpha	$J^{2,3}$
Gross Beta	J^{1}
Radium-226	J^{1}
Radium-228	$J^{1,3}$

If the field is left blank, the qualifier is A, accept all data.

J^{1} - Estimate, "J", positive results (> MDA) because of excessively high LCS recoveries.

J^{2} - Estimate, "J", positive results (> MDA) and, "UJ", nondetects (< MDA) because of low LCS recoveries.

J^{3} - Estimate, "J", activities > MDA and/or, "UJ", activities < MDA because of uncertainty at or near the IDL.

K.4 Case Narratives

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2D
SDG: RB07A
VOLATILES DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2D
SDG: RB07A
VOLATILES

1) The samples in this package were analyzed by protocols to meet the requirements of the Air Force IRP/AFCEE as defined in "Handbook to Support the Installation Restoration Program (IRP) Statements of Work," September, 1993. These requirements are defined in the Sampling and Analysis Plan (SAP) as modified by any subsequent revisions.

2) The LCS sample data were tabulated and reported as if they were MS. Each LCS was given the name of the associated blank followed by the MS (LCS) suffix. For example, soil blank VBLKDJ is associated with VBLKDJMS (LCS).

3) Internal standard areas are reported for all sample analyses, but corrective action is required only if internal standard areas for a continuing calibration do not meet criteria as specified in the SW-846 methods.

4) The following surrogate failures were noted.

Sample #	Sample ID	Date/Time of Analysis	Instrument	Surrogate	% Recovery	Recovery Limits %
P280592	TBD1072094	8-2-94 / 21:04	GCMSC	Bromofluorobenzene	127	87-112
P280661	RB07EB072194	8-3-94 / 16:10	GCMSC	1,2-Dichloroethene-d_4	125	75-122

Aqueous trip blanks and equipment blanks were analyzed by the low level soil method, but were reported in aqueous units. Since the surrogate recoveries were high and no target analytes wee present in the samples, the data were accepted.

5) The following compound did not meet the minimum RRF criteria established for the AFCEE protocol:

Instrument/Date and Time	Compound	Minimum RRF	Observed RRF
GCMSC / 7-31-94 / 06:47	Bromoform	0.250	0.249

The bromoform RRF was low in the 20 µg/L standard. The average RRF observed for bromoform was 0.363 which met the calibration criteria. No adverse affect on the data is expected.

6) The following compounds did not meet the 25.0%D criteria established for continuing calibrations for the AFCEE protocol:

Instrument/Date and Time	Compound	%D
GCMSC / 8-2-94 / 1234	Vinyl chloride	-76.4
GCMSC / 7-31-94 / 0633	Ethylbenzene	26.0

Samples quantitated with the 8/2/94 standard were analyzed only to confirm the presence of tetrachloroethene. The ethylbenzene response was high and no ethylbenzene was present in the samples associated with that particular calibration. See NC/CA SA-01-94-000124.

7) The date received indicated on the Form 1s is actually the date sampled.

8) Percent moistures were not determined for soil blanks and LCSs. The percent moisture field on the Form 1s for these samples was left blank.

9) "J" qualifiers appear on target analyte spike results for those matrix spike and LCS samples in which the target analytes were detected at concentrations below the normal reporting limit.

10) The BFB tune for the continuing calibration data on 8/6/94 was obtained from the Finnigan-Mat data system printout on GCMSE. It was not reprocessed through the Thru-Put System software; hence, the appearance of these data differs from all other calibration data in this package.

11) 2-Chloroethyl vinyl ether was either marginally detected or not detected in six of the seven LCCs analyzed with this package. However, it was adequately recovered in matrix spikes analyzed on 8/4/94. The LCSs exhibiting poor 2-chloroethyl vinyl ether recovery were analyzed on 8/2/94, 8/3/94, 8/4/94, 8/5/94, 8/6/94.

12) Vinyl acetate was marginally detected in the matrix spike (B07020102MS) and the matrix spike duplicate (B07020102MSD) of sample P280663. However, vinyl acetate was detected in the LCS analyzed on the same GC/MS instrument (GCMSE) on the sample data of analysis (8/4/94).

13) The following samples were analyzed outside of holding times.

Sample No.	Sample ID	Outside Holding Time		
		Days	Hours	Minutes
P280667	RB07050001	1	10	0
P280668	RB07060102	1	10	24
P280670	RB07070102	2	3	13
P280671	RB07080102	2	3	48
P280672	RB07090001	2	4	13
P280673	RB0710001	2	4	33
P280674	RB07110001	3	1	19
P280669	RB07980102	2	3	23

These samples were analyzed outside of holding time due to a malfunction of the GC/MS equipment.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2D
SDG: RB07A
INORGANIC DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2D
SDG: RB07A
INORGANIC

1) The samples in this data package were analyzed by protocols that are to meet the requirements of "Handbook to Support the Installation Restoration Program (IRP) Statements of Work", September 1993 and any project-specific requirements. The requirements for analysis and reporting are specified in the laboratory quality assurance plan for AFCEE as modified by the Sampling and Analysis Plan.

2) CLP reporting forms were used even though CLP protocols are not required for the analyses. Data qualifiers, as specified in the table immediately following the Cover Page, are used on the reporting forms according to CLP requirements; although these requirements may not be specific to AFCEE reporting procedures.

3) The "date received" that appears on Form 1s is actually the date of sample collection.

4) AFCEE protocol requires MS/MSD instead of duplicate/matrix spikes. Therefore, the following CLP reporting forms were used to report MS/MSD data.

   - Two separate Form 5-As for recoveries for matrix spike and matrix spike duplicate.
   - Form 6 (one each) for RPDs for MS/MSD.

5) A quality control sample (MS/MSD) was not designated for the samples in this SDG. However, AFCEE sample RB07-EB-072194 (NUS sample P280661) was digested and analyzed as the aqueous QC sample for lead. AFCEE sample RB07-02-0102 (NUS sample P280663) was digested and analyzed as the solid QC sample for cadmium and lead. AFCEE sample RB07-08-0102 (NUS sample P280671) was analyzed as a solid QC sample for lead only.

6) Although calcium, iron, and zinc were observed above their respective AFCEE PQLs in the preparation blank associated with the aqueous samples in this SDG in batch 27721, these elements were not required on the samples in this package.

7) The NUS Laboratory has revised its graphite furnace standard operating procedure on analytical (post-digestion) spikes and procedures when the method of standard additions are required. An analytical spike above the highest calibration standard is now acceptable provided it recovers within a window of 85 to 115%. Analytical spikes that are over

range and outside of this window are unacceptable and must be reanalyzed at dilution. In addition, furnace sample results, for which analytical spikes recover between 50 and 85%, are corrected for the spike recovery rather than reanalyzed by the method of standard additions (MSA). This process is essentially a single-point MSA though. However, due to Ward software limitations used in generating the reporting forms, the reported furnace sample results are not corrected for analytical spike recoveries but just qualified with a W.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2D
SDG: RB11
VOLATILES DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2D
SDG: RB11
VOLATILES

1) The samples in this package were analyzed by protocols to meet the requirements of the Air Force IRP/AFCEE as defined in "Handbook to Support the Installation Restoration Program (IRP) Statements of Work," September, 1993. These requirements are defined in the Sampling and Analysis Plan (SAP) as modified by any subsequent revisions.

2) The LCS sample data were tabulated and reported as if they were MS. Each LCS was given the name of the associated blank followed by the MS (LCS) suffix. For example, soil blank VBLKED is associated with VBLKEDMS (LCS).

3) Internal standard areas are reported for all sample analyses, but corrective action is required only if internal standard areas for a continuing calibration do not meet criteria a superfund in the SW-846 method.

4) No surrogate failures were noted.

5) The date received indicated on the Form 1s is actually the data sampled

6) Percent moistures were not determined for soil blanks and LCSs. The percent moisture field on the form 1s for these samples were left blank.

7) Some of the sample chromatograms indicate the presence of methylene chloride and acetone. These compounds were indeed found but their concentrations were below the practical quantitation limits established for this project.

8) 2-Chloroethylvinyl ether was not detected in the LCS or MS/MSD analyses.

9) Finnegan raw data was used for BFB in the 5 point calibration analysis of 6/7/94.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2D
SDG: RB11
SEMIVOLATILES DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2D
SDG: RB11
SEMIVOLATILES

1) The samples in this package were analyzed by protocols to meet the requirements of the Air Force IRP/AFCEE as defined in "Handbook to Support the Installation Restoration Program (IRP) Statements of Work," September, 1993. These requirements are defined in the Sampling and Analysis Plan (SAP) as modified by any subsequent revisions.

2)$_T$ The LCS data were tabulated and reported as if they were MS. Each LCS was given the name of the associated blank followed by the MS (LCS) or suffix. For example, water blank SBLKGC is associated with SBLKGCMS (LCS).

3) Internal standard areas are reported for all sample analyses, but corrective action is required only if internal standard areas for a continuing calibration do not meet criteria as specified in the SW-846 methods.

4) The following surrogate failures were noted.

Sample #	Sample ID	Date/Time of Analysis	Instrument	Surrogate	% Recovery	Recovery Limits %
P278770	RB11010307	7-21-94 / 18:25	GCMSF	2-Fluorophenol 2,4,6-Tribromophenol	31 12	32-103 46-125
P278771	RB11010813	7-21-94 / 19:17	GCMSF	2-Fluorophenol Phenol-d_5 2,4,6-Tribromophenol	6 22 1	32-103 34-120 46-125
P278772	RB11011822	7-21-94 / 20:09	GCMSF	2-Fluorophenol Phenol-d_5 2,4,6-Tribromophenol	2 2 1	32-103 34-120 46-125.
P278773	RB11020308	7-21-94 / 21:00	GCMSF	2-Fluorophenol Phenol-d_5 2,4,6-Tribromophenol	3 2 1	32-103 34-120 46-125
P278774	RB11020813	7-21-94 / 23:08	GCMSF	2-Fluorophenol Phenol-d_5 2,4,6-Tribromophenol	14 34 1	32-103 34-120 46-125
P278802	RB11021822	7-21-94	GCMSF	2-Fluorophenol Phenol-d_5 2,4,6-Tribromophenol	2 2 1	32-103 34-120 46-125

Sample #	Sample ID	Date/Time of Analysis	Instrument	Surrogate	% Recovery	Recovery Limits %
P278895	RB11170307	7-23-94	GCMSF	2-Fluorophenol 2,4,6-Tribromophenol	22 3	32-103 46-125
P278804	RB1170812	7-22-94	GCMSF	2-Fluorophenol 2,4,6-Tribromophenol	18 2	32-103 46-125
P278805	RB11171318	7-22-94	GCMSF	2,4,6-Tribromophenol	12	46-125
P278806	RB11171823	7-22-94	GCMSF	2-Fluorophenol 2,4,6-Tribromophenol	21 3	32-103 46-125

All of the samples were re-extracted and reanalyzed. All surrogate passed in the re-extracted extracts.

5) Lot #LA41854 of LCS spiking solution obtained from Supelco, Inc. included several target analytes which were prepared in the cocktail at a concentration other than 100 µg/mL. For those compounds for which concentrations were determined to be different than 100 ± 5 µg/mL, the corrected concentrations were used to determine LCS and MS/MSD recoveries.

6) Percent moistures were not determined for soil blanks and LCS's. The percent moisture field on the form 1s for these samples were left blank.

7) "J" qualifiers appear on the reagent analyte spike results for those matrix spike and LCS samples in which the target analytes were detected at concentrations below normal reporting limits.

8) The following LCSs were observed to have spiked target analytes flagged with an "E" qualifier.

CASE COMMENTS
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2D
SDG: RB11
SEMIVOLATILES
PAGE 3

Sample ID	Sample #	Date/Time of Analysis	Instrument	Flagged Compound
SBLKFGMS	P279931	7-23-94 / 00:34	GCMSF	3-Nitroaniline
SBLKGCMS	P279789	7-13-94 / 20:36	GCMSG	3,3'-dichlorobenzidine

No attempt was made to analyze either of these LCSs at dilutions to have the response of these compound within the linear range of the calibration. Neither compound was detected in any of the samples associated with this case.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2D
SDG: RB11
INORGANIC DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2D
SDG: RB11
INORGANIC

1) The samples in this data package were analyzed by protocols that are to meet the requirements of "Handbook to Support the Installation Restoration Program (IRP) Statements of Work", September 1993 and any project-specific requirements. The requirements for analysis and reporting are specified in the laboratory quality assurance plan for AFCEE as modified by the Sampling and Analysis Plan.

2) CLP reporting forms were used even though CLP protocols are not required for the analyses. Data qualifiers, as specified in the table immediately following the Cover Page, are used on the reporting forms according to CLP requirements; although these requirements may not be specific to AFCEE reporting procedures.

3) The "date received" that appears on Form 1s is actually the date of sample collection.

4) AFCEE protocol requires MS/MSD instead of duplicate/matrix spikes. Therefore, the following CLP reporting forms were used to report MS/MSD data.

   - Two separate Form 5-As for recoveries for matrix spike and matrix spike duplicate.

   - Form 6 (one each) for RPDs for MS/MSD.

5) Times of analysis for instruments that do not provide this information (MAS50B) are estimated on Form 14 (Analytical Run Log).

6) Analyte field size restrictions resulted in Molybdenum being truncated to "Molybdenu" on the reporting forms.

7) A high recovery (121.8%) was observed for manganese in the LCS associated with preparation batch 27369 from which most of the soils in this SDG were prepared. Consequently, all samples were reprepared for manganese in batch 27477 and were reanalyzed on 07/20/94. Reanalysis yielded acceptable results for manganese which were reported.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2D
SDG: RB11A
VOLATILES DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2D
SDG: RB11A
VOLATILES

1) The samples in this package were analyzed by protocols to meet the requirements of the Air Force IRP/AFCEE as defined in "Handbook to Support the Installation Restoration Program (IRP) Statements of Work," September, 1993. These requirements are defined in the Sampling and Analysis Plan (SAP) as modified by any subsequent revisions.

2) The LCS sample data were tabulated and reported as if they were MS. Each LCS was given the name of the associated blank followed by the MS (LCS) suffix. For example, soil blank VBLKEF is associated with VBLKEFMS (LCS).

3) Internal standard areas are reported for all sample analyses, but corrective action is required only if internal standard areas for a continuing calibration do not meet criteria a superfund in the SW-846 method.

4) No surrogate failures were noted.

5) The following compounds did not meet the 25% D criteria established for continuing calibrations for the AFCEE protocol.

Instrument/Date and Time	Compound	%D
GCMSE / 9-12-94 / 1507	Vinyl Chloride	26.1

This compound in a CCC. The continuing calibration was used to quantitate samples because no vinyl chloride was detected in any of the samples associated with this package. All other compounds met the continuing calibration criteria. The response of the vinyl chloride had increased since the preparation and analysis of the 5-point initial calibration. No negative impact on the data is expected from the use of this continuing calibration.

6) The date received indicated on the Form 1s is actually the data sampled

7) Percent moistures were not determined for soil blanks and LCSs. The percent moisture field on the form 1s for these samples were left blank.

8) 2-Chloroethylvinyl ether was not detected in the LCSs or MS/MSD samples associated with this package.

9) In several instances, the sample chromatograms indicate the presence acetone and/or methylene chloride. Neither of these analytes were detected in any of the samples above their respective reporting limits.

10) The presence of toluene was detected in P279083. In the MS/MSD analyses associated with this sample, the amount of toluene native to the sample seems to be less than that observed in the original analysis. The poor toluene recoveries observed in the MS/MSD may be due to the sample matrix.

11) Due to software limitations, Finnigan raw data for BFB was included in this package for the 5 point initial calibration.

12) The "R" was removed form the sample ID, RB11180107 (P279083). This was done in order to accommodate the addition of the MS and MSD suffixes.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2D
SDG: RB11A
SEMIVOLATILES DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2D
SDG: RB11A
SEMIVOLATILES

1) The samples in this package were analyzed by protocols to meet the requirements of the Air Force IRP/AFCEE as defined in "Handbook to Support the Installation Restoration Program (IRP) Statements of Work," September, 1993. These requirements are defined in the Sampling and Analysis Plan (SAP) as modified by any subsequent revisions.

2) The LCS data were tabulated and reported as if they were MS. Each LCS was given the name of the associated blank followed by the MS (LCS) or suffix. For example, water blank SBLKFD is associated with SBLKFDMS (LCS).

3) Internal standard areas are reported for all sample analyses, but corrective action is required only if internal standard areas for a continuing calibration do not meet criteria as specified in the SW-846 methods.

4) No surrogate failures were noted.

5) Lot #LA41854 of LCS spiking solution obtained from Supelco, Inc. included several target analytes which were prepared in the cocktail at a concentration other than 100 µg/mL. For those compounds whose concentrations were determined to be different than 100 ± 5 µg/mL, their concentrations were corrected and the corrected concentrations were used to determine LCS and MS/MSD recoveries.

6) Percent moistures were not determined for soil blanks and LCS's. The percent moisture field on the form 1s for these samples were left blank.

7) "J" qualifiers appear on target analyte spike results for those matrix spike and LCS samples in which the target analytes were detected at concentrations below the normal reporting limits.

8) The following soil LCSs and matrix spike exhibited high recovery of 3-nitroaniline.

CASE COMMENTS
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2D
SDG: RB11A
SEMIVOLATILES
PAGE 2

Sample Number	Sample ID	Date and Time Analyzed	Instrument	% Recovery
P279931	BBLKFGMS	7-23-94 / 00:34	GCMSG	418
P279996	SBLKHMS	7-25-94 / 13:08	GCMSG	647
P279083MS	B11180107MS	7-25-94 / 14:52	GCMSG	706
P279083MSD	B11180107MSD	7-25-94 / 15:44	GCMSG	706

The high 3-nitroaniline recoveries may have been due to the presence of active sites on the analytical column. The data were accepted, since no 3-nitroaniline was detected in any of the samples and the fact that the LCS and matrix spike recoveries were high rather than low. The 3-nitroaniline results were flagged with an "E" on the Form 1s.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2D
SDG: RB11A
INORGANIC DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2D
SDG: RB11A
INORGANIC

1) The samples in this data package were analyzed by protocols that are to meet the requirements of "Handbook to Support the Installation Restoration Program (IRP) Statements of Work", September 1993 and any project-specific requirements. The requirements for analysis and reporting are specified in the laboratory quality assurance plan for AFCEE as modified by the Sampling and Analysis Plan.

2) CLP reporting forms were used even though CLP protocols are not required for the analyses. Data qualifiers, as specified in the table immediately following the Cover Page, are used on the reporting forms according to CLP requirements; although these requirements may not be specific to AFCEE reporting procedures.

3) The "date received" that appears on Form 1s is actually the date of sample collection.

4) AFCEE protocol requires MS/MSD instead of duplicate/matrix spikes. Therefore, the following CLP reporting forms were used to report MS/MSD data.

   - Two separate Form 5-As for recoveries for matrix spike and matrix spike duplicate.
   - Form 6 (one each) for RPDs for MS/MSD.

5) Times of analysis for instruments that do not provide this information (MAS50B and SPEC21) are estimated on Form 14 (Analytical Run Log).

6) Analyte field size restrictions resulted in Molybdenum being truncated to "Molybdenu" on the reporting forms.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2D
SDG: RB11B
VOLATILES DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2D
SDG: RB11B
VOLATILES

1) The samples in this package were analyzed by protocols to meet the requirements of the Air Force IRP/AFCEE as defined in "Handbook to Support the Installation Restoration Program (IRP) Statements of Work," September, 1993. These requirements are defined in the Sampling and Analysis Plan (SAP) as modified by any subsequent revisions.

2) The LCS data were tabulated and reported as if they were MS. Each LCS was given the name of the associated blank followed by the MS (LCS) suffix. For example, soil blank VBLKEH is associated with VBLKEHMS (LCS).

3) Internal standard areas are reported for all sample analyses, but corrective action is required only if internal standard areas for a continuing calibration do not meet criteria as specified in the SW-846 methods.

4) The following surrogate failures were noted.

Sample #	Sample ID	Date/Time of Analysis	Instrument	Surrogate	% Recovery	Recovery Limits %
P279153	TB02071294	7-14-94 / 15:46	GCMSE	1,2-Dichloroethene-d_4	70	75-122
P279163	TB01071294	7-14-94 / 16:27	GCMSE	1,2-Dichloroethene-d_4	72	75-122
P279164	RB11EB071294	7-14-94 / 17:02	GCMSE	1,2-Dichloroethene-d_4	71	75-122

These samples were not reanalyzed, since they were trip and rinsate blanks. No target analytes were detected in any of the affected samples.

5) The date received indicated on the Form 1s is actually the date sampled.

6) The "J" flag appearing on the Form 1s for LCS and matrix spikes indicates the spiked compounds were detected at concentrations less than the respective reporting limits.

7) Finnigan BFB data was used for the initial 5-point calibration analyzed on 6/7/94.

8) 2-Chloroethyl vinylether was not detected in VBLKEHMS (LCS) which was analyzed on GCMSE on 7/14/94 at 1442.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2D
SDG: RB11B
SEMIVOLATILES DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2D
SDG: RB11B
SEMIVOLATILES

1) The samples in this package were analyzed by protocols to meet the requirements of the Air Force IRP/AFCEE as defined in "Handbook to Support the Installation Restoration Program (IRP) Statements of Work," September, 1993. These requirements are defined in the Sampling and Analysis Plan (SAP) as modified by any subsequent revisions.

2) The LCS data were tabulated and reported as if they were MS. Each LCS was given the name of the associated blank followed by the MS (LCS) or suffix. For example, water blank SBLKFE is associated with SBLKFEMS (LCS).

3) Internal standard areas are reported for all sample analyses, but corrective action is required only if internal standard areas for a continuing calibration do not meet criteria as specified in the SW-846 methods.

4) Lot #LA41854 of LCS spiking solution obtained from Supelco, Inc. included several target analytes which were prepared in the cocktail at a concentration other than 100 µg/mL. For those compounds for which concentrations were determined to be different than 100 ± 5 µg/mL, the corrected concentrations were used to determine LCS and MS/MSD recoveries.

5) Percent moistures were not determined for soil blanks and LCS's. The percent moisture field on the form 1s for these samples were left blank.

6) "J" qualifiers appear on target analyte spike results for those matrix spike and LCS samples in which the target analytes were detected at concentrations below their respective normal reporting limits.

7) 3-Nitroaniline was recovered at 288% in the LCS analyzed on GCMSF on 7/27/94 at 12:12. The concentration, 4900 µg/kg, was flagged with an "E" because the response exceeded the linear calibration range. The LCS was not reanalyzed at detection for this compound, since no 3-nitroaniline was detected in any of the sample extracts associated with this case. The high 3-nitroaniline recovery was probably due to the presence of active sites in the chromatography system during the initial and continuing calibration sequences.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2D
SDG: RB11B
INORGANIC DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2D
SDG: RB11B
INORGANIC

1) The samples in this data package were analyzed by protocols that are to meet the requirements of "Handbook to Support the Installation Restoration Program (IRP) Statements of Work", September, 1993 and any project-specific requirements. The requirements for analysis and reporting are specified in the laboratory quality assurance plan for AFCEE as modified by the Sampling and Analysis Plan.

2) CLP reporting forms were used even though CLP protocols are not required for the analyses. Data qualifiers, as specified in the table immediately following the Cover Page, are used on the reporting forms according to CLP requirements; although these requirements may not be specific to AFCEE reporting procedures.

3) The "date received" that appears on Form 1s is actually the date of sample collection.

4) AFCEE protocol requires MS/MSD insted of duplicate/matrix spikes. Therefore, the following CLP reporting forms were used to report MS/MSD data.

   - Two separate Form 5-As for recoveries for matrix spike and matrix spike duplicate.
   - Form 6 (one each) for RPDs for MS/MSD.

5) Times of analysis for instruments that do not provide this information (MAS50B) are estimated on Form 14 (Analytical Run Log).

6) Analyte field size restrictions resulted in Molybdenum being truncated to "Molybdenu" on the reporting forms.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2D
SDG: RB11C
VOLATILES DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2D
SDG: RB11C
VOLATILES

1) The samples in this package were analyzed by protocols to meet the requirements of the Air Force IRP/AFCEE as defined in "Handbook to Support the Installation Restoration Program (IRP) Statements of Work," September, 1993. These requirements are defined in the Sampling and Analysis Plan (SAP) as modified by any subsequent revisions.

2) The LCS data were tabulated and reported as if they were MS. Each LCS was given the name of the associated blank followed by the MS (LCS) suffix. For example, soil blank VBLKEI is associated with VBLKEIMS (LCS).

3) Internal standard areas are reported for all sample analyses, but corrective action is required only if internal standard areas for a continuing calibration do not meet criteria as specified in the SW-846 methods.

4) Aqueous trip blanks (TB-D1-071394 and TB-D2-071394) and an aqueous equipment blank (RB11-EB-071394) were analyzed by the low level soil procedure but were reported in aqueous units. The water matrix system monitoring compound recovery form shows the recoveries of 1,2-dichloroethane-d_4 to be slightly below the lower QC limit (75%). However, the observed recoveries of 1,2-dichloroethane-d_4 for these blanks do meet soil volatile system monitoring compound recoveries. No effect upon the sample data in this package is expected from this situation.

5) The characters "RB" were deleted from the sample IDs for the MS/MSDs for samples P279238 (RB11-25-0812) and P279256 (RB11-13-D109) to shorten the sample IDs to allow them to comply with data processing software limitations.

6) The date received indicated on the Form 1s is actually the date sampled.

7) Percent moistures were not determined for soil blanks and LCSs. The percent moisture field on the Form 1s for these samples was left blank.

8) "J" qualifiers appear on target analyte spike results for those matrix spike and LCS samples in which the target analytes were detected below normal reporting limits.

9) The BFB tune for the initial calibration data on 06/07/94 was obtained from the Finnigan-Mat data system printout on GCMSE. It was not reprocessed through the thru-put system software; hence, the appearance of these data differs from all other calibration data in this package.

10) Vinyl acetate was not detected in the matrix spike (11250812MS) nor in the matrix spike duplicate (11250812MSD) of sample P279238MS (11250812). However, vinyl acetate was detected in both LCS's analyzed on the same GC/MS instrument (GCMSE) on the sample date of analysis (07/16/94).

11) 2-Chloroethyl vinyl ether was marginally detectable in all three LCSs analyzed on 07/15/94 and 07/16/94. However, it was adequately detected in matrix spikes analyzed on these dates.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2D
SDG: RB11C
SEMIVOLATILES DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2D
SDG: RB11C
SEMIVOLATILES

1) The samples in this package were analyzed by protocols to meet the requirements of the Air Force IRP/AFCEE as defined in "Handbook to Support the Installation Restoration Program (IRP) Statements of Work," September, 1993. These requirements are defined in the Sampling and Analysis Plan (SAP) as modified by any subsequent revisions.

2) The LCS data were tabulated and reported as if they were MS. Each LCS was given the name of the associated blank followed by the MS (LCS) suffix. For example, water blank SBLKFE is associated with SBLKFEMS (LCS).

3) Internal standard areas are reported for all sample analyses, but corrective action is required only if internal standard areas for a continuing calibration do not meet criteria as specified in the SW-846 methods.

4) Lot #LA41854 of LCS spiking solution obtained from Supelco, Inc. included several target analytes which were prepared in the cocktail at a concentration other than 100 µg/mL. For those compounds whose concentrations were determined to be different than 100 ± 5 µg/mL, their concentrations were corrected and the corrected concentrations were used to determine LCS and MS/MSD recoveries.

5) Percent moistures were not determined for soil blanks and LCS's. The percent moisture fields on the form 1s for these samples were left blank.

6) "J" qualifiers appear on target analyte spike results for those matrix spike and LCS samples in which target analytes were detected at concentrations below normal reporting limits.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2D
SDG: RB11C
INORGANIC DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2D
SDG: RB11C
INORGANIC

1) The samples in this data package were analyzed by protocols that are to meet the requirements of "Handbook to Support the Installation Restoration Program (IRP) Statements of Work", September, 1993 and any project-specific requirements. The requirements for analysis and reporting are specified in the laboratory quality assurance plan for AFCEE as modified by the Sampling and Analysis Plan.

2) CLP reporting forms were used even though CLP protocols are not required for the analyses. Data qualifiers, as specified in the table immediately following the Cover Page, are used on the reporting forms according to CLP requirements; although these requirements may not be specific to AFCEE reporting procedures.

3) The "date received" that appears on Form 1s is actually the date of sample collection.

4) AFCEE protocol requires MS/MSD instead of duplicate/matrix spikes. Therefore, the following CLP reporting forms were used to report MS/MSD data.

   - Two separate Form 5-As for recoveries for matrix spike and matrix spike duplicate.

   - Form 6 (one each) for RPDs for MS/MSD.

5) Times of analysis for instruments that do not provide this information (MAS50B) are estimated on Form 14 (Analytical Run Log).

6) Analyte field size restrictions resulted in Molybdenum being truncated to "Molybdenu" on the reporting forms.

7) A quality control sample (MS/MSD) was not designated for the samples in this SDG. However, AFCEE samples RB11-25-0812 (NUS sample P279238) and RB11-13-0109 (NUS sample P279256) were digested and analyzed as the QC sample for all elements.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2D
SDG: RB11D
SEMIVOLATILES DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2D
SDG: RB11D
SEMIVOLATILES

1) The samples in this package were analyzed by protocols to meet the requirements of the Air Force IRP/AFCEE as defined in "Handbook to Support the Installation Restoration Program (IRP) Statements of Work," September, 1993. These requirements are defined in the Sampling and Analysis Plan (SAP) as modified by any subsequent revisions.

2) The LCS data were tabulated and reported as if they were MS. Each LCS was given the name of the associated blank followed by the MS (LCS) or suffix. For example, water blank SBLKFJ is associated with SBLKFJMS (LCS).

3) Internal standard areas are reported for all sample analyses, but corrective action is required only if internal standard areas for a continuing calibration do not meet criteria as specified in the SW-846 methods.

4) No surrogate failures were noted.

5) The following compounds did not meet the 30.0%D established for continuing calibrations for the AFCEE protocol:

Instrument/Date and Time	Compound	%D
GCMSG / 7-26-94 / 1437	Di-n-octylphthalate	-38.2
GCMSG / 7-27-94 / 0236	Di-n-octylphthalate	-38.0

No di-n-octylphthalate was detected in any of the samples in this case. This target analyte was recovered within the specified limits for the LCS and the MS/MSD. No adverse affect on the data is expected.

6) Lot #LA41854 of LCS spiking solution obtained from Supelco, Inc. included several target analytes which were prepared in the cocktail at a concentration other than 100 µg/mL. For those compounds whose concentrations were determined to be different than 100 ± 5 µg/mL, their concentrations were corrected and the corrected concentrations were used to determine LCS and MS/MSD recoveries.

7) Percent moistures were not determined for soil blanks and LCS's. The percent moisture field on the form 1s for these samples were left blank.

8) "J" qualifiers appear on target analyte spike results for those matrix spike and LCS samples in which the target analytes were detected at concentrations below the normal reporting limits.

9) The character "R" was deleted from the sample ID of P279330, P279330MS/MSD (RB11290812) to shorten the sample IDs to allow them to comply with data processing software limitations.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2D
SDG: RB11D
VOLATILES DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2D
SDG: RB11D
VOLATILES

1) The samples in this package were analyzed by protocols to meet the requirements of the Air Force IRP/AFCEE as defined in "Handbook to Support the Installation Restoration Program (IRP) Statements of Work," September, 1993. These requirements are defined in the Sampling and Analysis Plan (SAP) as modified by any subsequent revisions.

2) The LCS sample data were tabulated and reported as if they were MS. Each LCS was given the name of the associated blank followed by the MS (LCS) suffix. For example, soil blank VBLKEL is associated with VBLKELMS (LCS).

3) The following surrogate failures were noted.

Sample #	Sample ID	Date/Time of Analysis	Instrument	Surrogate	% Recovery	Recovery Limits %
P279339	TBD1071494	7-19-94 / 13:48	GCMSE	Bromofluorobenzene	115	87-112

This trip blank was analyzed by means of a heated purge and was treated as a soil during analysis. When water surrogate recovery limits were applied, the bromfluorobenzene recovery was noted to exceed the recovery limits. Since the failure was high, no adverse affect on the data is anticipated. No target analytes were detected in the sample analysis.

4) Percent moistures were not determined for soil blanks and LCSs. The percent moisture field on the form 1s for these samples were left blank.

5) Finnegan BFB data is included in this data package because it was used for the 5-point initial calibration analyzed on GCMSE on 6/7/94. The BFB data could not be processed through the H-P data system. Finnegan BFB data was also used on 7/19/94.

6) A "J" appears for some of the values on the MS/MSD and LCS forms because these spiked analytes were recovered at concentrations below the respective reporting limits of the target analytes. The observed concentrations were used to calculate recoveries for the "J" compounds.

7) The "R" was removed from RB11290812 (P279330) so that the MS/MSD suffixes could be added.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2D
SDG: RB11D
INORGANIC DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2D
SDG: RB11D
INORGANIC

1) The samples in this data package were analyzed by protocols that are to meet the requirements of "Handbook to Support the Installation Restoration Program (IRP) Statements of Work", September, 1993 and any project-specific requirements. The requirements for analysis and reporting are specified in the laboratory quality assurance plan for AFCEE as modified by the Sampling and Analysis Plan.

2) CLP reporting forms were used even though CLP protocols are not required for the analyses. Data qualifiers, as specified in the table immediately following the Cover Page, are used on the reporting forms according to CLP requirements; although these requirements may not be specific to AFCEE reporting procedures.

3) The "date received" that appears on Form 1s is actually the date of sample collection.

4) AFCEE protocol requires MS/MSD instead of duplicate/matrix spikes. Therefore, the following CLP reporting forms were used to report MS/MSD data.

   - Two separate Form 5-As for recoveries for matrix spike and matrix spike duplicate.

   - Form 6 (one each) for RPDs for MS/MSD.

5) Times of analysis for instruments that do not provide this information (MAS50B and SPEC21) are estimated on Form 14 (Analytical Run Log).

6) Analyte field size restrictions resulted in Molybdenum being truncated to "Molybdenu" on the reporting forms.

7) The mercury initial calibration check (ICV) on the analysis run of 07/30/94 yielded a high recovery of 120.1%. However, the positive bias was not reflected in the samples in this SDG as all results were less than the detection limit.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2D
SDG: RB11E
VOLATILES DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2D
SDG: RB11E
VOLATILES

1) The samples in this package were analyzed by protocols to meet the requirements of the Air Force IRP/AFCEE as defined in "Handbook to Support the Installation Restoration Program (IRP) Statements of Work," September, 1993. These requirements are defined in the Sampling and Analysis Plan (SAP) as modified by any subsequent revisions.

2) The LCS data were tabulated and reported as if they were MS. Each LCS was given the name of the associated blank followed by the MS (LCS) suffix. For example, soil blank VBLKEM is associated with VBLKEMS (LCS).

3) Internal standard areas are reported for all sample analyses, but corrective action is required only if internal standard areas for a continuing calibration do not meet criteria as specified in the SW-846 methods.

4) The following surrogate failures were noted.

Sample #	Sample ID	Date/Time of Analysis	Instrument	Surrogate	% Recovery	Recovery Limits %
P279446	TBD1071594	9-20-94 / 0209	GCMSE	Bromofluorobenzene	117	87-112

The data were accepted since the other two surrogate recoveries were acceptable, and no target analytes were present in the sample.

5) The date received indicated on the Form 1s is actually the date sampled.

6) Percent moistures were not determined for soil blanks and LCSs. The percent moisture field on the Form 1s for these samples was left blank.

7) The "J" flag which appears on the Form 1 for the LCSs indicates spiked compounds which were recovered at concentrations below their respective reporting limits.

8) 2-Chloroethyl vinyl ether was not detected in the following LCSs.

LCS ID	Date/Time of Analysis	Instrument
VBLKEMMS	7-19-94 / 12:44	GCMSE
VBLKENMS	7-20-94 / 01:06	GCMSE
VBLKEOMS	7-20-94 / 17:41	GCMSE
BVLKEPMS	7-20-94 / 13:49	GCMSE

9) The trip blanks were analyzed as soils with the permission of the NUS project manager.

10) Finnigan BFB data was used for the tune for the 5-point initial calibration analyzed on 6/7/94 and for the tunes of 7/19/94 and 7/21/94.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2D
SDG: RB11E
SEMIVOLATILES DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2D
SDG: RB11E
SEMIVOLATILES

1) The samples in this package were analyzed by protocols to meet the requirements of the Air Force IRP/AFCEE as defined in "Handbook to Support the Installation Restoration Program (IRP) Statements of Work," September, 1993. These requirements are defined in the Sampling and Analysis Plan (SAP) as modified by any subsequent revisions.

2) The LCS data were tabulated and reported as if they were MS. Each LCS was given the name of the associated blank followed by the MS (LCS) or suffix. For example, water blank SBLKFJ is associated with SBLKFJMS (LCS).

3) Internal standard areas are reported for all sample analyses, but corrective action is required only if internal standard areas for a continuing calibration do not meet criteria as specified in the SW-846 methods.

4) The following compounds did not meet the 30.0%D established for continuing calibrations for the AFCEE protocol:

Instrument/Date and Time	Compound	%D
GCMSG / 7-26-94 / 1437	Di-n-octylphthalate	-35.2
GCMSG / 7-27-94 / 0236	Di-n-octylphthalate	-38.0

No di-n-octylphthalate was detected in any of the samples. Di-n-octylphthalate recovered well in all of the LCSs associated with this package.

5) Lot #LA41854 of LCS spiking solution obtained from Supelco, Inc. included several target analytes which were prepared in the cocktail at a concentration other than 100 µg/mL. For those compounds for which concentrations were determined to be different than 100 ± 5 µg/mL, the corrected concentrations were used to determine LCS and MS/MSD recoveries.

6) Percent moistures were not determined for soil blanks and LCS's. The percent moisture field on the form 1s for these samples were left blank.

7) "J" qualifiers appear on target analyte spike results for those matrix spike and LCS samples in which the target analytes were detected at concentrations below the normal reporting limits.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2D
SDG: RB11E
INORGANIC DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2D
SDG: RB11E
INORGANIC

1) The samples in this data package were analyzed by protocols that are to meet the requirements of "Handbook to Support the Installation Restoration Program (IRP) Statements of Work", September, 1993 and any project-specific requirements. The requirements for analysis and reporting are specified in the laboratory quality assurance plan for AFCEE as modified by the Sampling and Analysis Plan.

2) CLP reporting forms were used even though CLP protocols are not required for the analyses. Data qualifiers, as specified in the table immediately following the Cover Page, are used on the reporting forms according to CLP requirements; although these requirements may not be specific to AFCEE reporting procedures.

3) The "date received" that appears on Form 1s is actually the date of sample collection.

4) AFCEE protocol requires MS/MSD instead of duplicate/matrix spikes. Therefore, the following CLP reporting forms were used to report MS/MSD data.

   - Two separate Form 5-As for recoveries for matrix spike and matrix spike duplicate.
   - Form 6 (one each) for RPDs for MS/MSD.

5) Times of analysis for instruments that do not provide this information (MAS50B and SPEC21) are estimated on Form 14 (Analytical Run Log).

6) Analyte field size restrictions resulted in Molybdenum being truncated to "Molybdenu" on the reporting forms.

7) A quality control sample (MS/MSD) was not designated for the samples in this SDG. However, AFCEE samples RB11-92-0307 (NUS sample P279343) analyzed as the QC sample for cyanide only. AFCEE sample RB11-08-0307 (NUS sample P279347) was digested and analyzed as the QC sample for mercury only. In addition, the soils in this SDG were batched with other AFCEE samples from which a QC sample was prepared. QC data on sample RB11-29-0812 (NUS sample P279330) is available in SDG RB11D for use of data qualifiers and evaluation of results on soils in this package.

8) The mercury initial calibration check (ICV) on the analysis run of 07/30/94 yielded a high recovery of 120.1%. However, the positive bias was not reflected in the samples in this SDG as all associated sample results were observed to be less than the detection limit.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2D
SDG: RB11F
VOLATILES DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2D
SDG: RB11F
VOLATILES

1) The samples in this package were analyzed by protocols to meet the requirements of the Air Force IRP/AFCEE as defined in "Handbook to Support the Installation Restoration Program (IRP) Statements of Work," September, 1993. These requirements are defined in the Sampling and Analysis Plan (SAP) as modified by any subsequent revisions.

2) The LCS data were tabulated and reported as if they were MS. Each LCS was given the name of the associated blank followed by the MS (LCS) suffix. For example, soil blank VBLKED is associated with VBLKDMS (LCS).

3) Internal standard areas are reported for all sample analyses, but corrective action is required only if internal standard areas for a continuing calibration do not meet criteria as specified in the SW-846 methods.

4) The following surrogate failures were noted.

Sample #	Sample ID	Date/Time of Analysis	Instrument	Surrogate	% Recovery	Recovery Limits %
P279456	FTBD2071594	7-20-94 / 18:45	GCMSE	Bromofluorobenzene	115	87-112

No adverse affect on the data is expected, since the surrogate recovery was high and no analytes of interest were detected in the samples.

5) The date received indicated on the Form 1s is actually the date sampled.

6) Percent moistures were not determined for soil blanks and LCSs. The percent moisture field on the Form 1s for these samples was left blank.

7) The "J" flag which appears on the LCS and MS Form 1s for those spiked compounds which were recovered concentrations below their respective reporting limits.

8) The Finnigan BFB data was used for the 5 points acquired on 6/7/94 and 7/21/94 on GC/MSE.

9) 2-Chloroethyl vinyl ether was not recovered in VBLEDMS (LCS) which was acquired on GCMSE on 7/21/94 at 13:49.

10) Vinyl acetate was not detected in RB11350812MS (P279469MS) which was analyzed on GCMSE on 7/21/94 at 19:23.

11) Trip blanks were analyzed as soils with the permission of the HNUS project manager.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2D
SDG: RB11F
SEMIVOLATILES DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2D
SDG: RB11F
SEMIVOLATILES

1) The samples in this package were analyzed by protocols to meet the requirements of the Air Force IRP/AFCEE as defined in "Handbook to Support the Installation Restoration Program (IRP) Statements of Work," September, 1993. These requirements are defined in the Sampling and Analysis Plan (SAP) as modified by any subsequent revisions.

2) The LCS data were tabulated and reported as if they were MS. Each LCS was given the name of the associated blank followed by the MS (LCS) or suffix. For example, soil blank SBLKGA is associated with SBLKGAMS (LCS).

3) Internal standard areas are reported for all sample analyses, but corrective action is required only if internal standard areas for a continuing calibration do not meet criteria as specified in the SW-846 methods.

4) Lot #LA41854 of LCS spiking solution obtained from Supelco, Inc. included several target analytes which were prepared in the cocktail at a concentration other than 100 µg/mL. For those compounds for which concentrations were determined to be different than 100 ± 5 µg/mL, the corrected concentrations were used to determine LCS and MS/MSD recoveries.

5) Percent moistures were not determined for soil blanks and LCS's. The percent moisture field on the form 1s for these samples were left blank.

6) "J" qualifiers appear on target analyte spike results for those matrix spike and LCS samples in which the target analytes were detected at concentrations below the normal reporting limits.

7) The concentration of 4-nitroaniline observed in the LCS SBLKGFMS exceeded the linear range of the calibration for this compound. The result was flagged with an "E". The LCS was analyzed on 8/3/94 at 19:33 on GCMSG. No attempt was made to reanalyze this LCS at dilution, since no 4-nitroaniline was present in any of the samples associated with this case.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2D
SDG: RB11F
INORGANIC DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2D
SDG: RB11F
INORGANIC

1) The samples in this data package were analyzed by protocols that are to meet the requirements of "Handbook to Support the Installation Restoration Program (IRP) Statements of Work", September, 1993 and any project-specific requirements. The requirements for analysis and reporting are specified in the laboratory quality assurance plan for AFCEE as modified by the Sampling and Analysis Plan.

2) CLP reporting forms were used even though CLP protocols are not required for the analyses. Data qualifiers, as specified in the table immediately following the Cover Page, are used on the reporting forms according to CLP requirements; although these requirements may not be specific to AFCEE reporting procedures.

3) The "date received" that appears on Form 1s is actually the date of sample collection.

4) AFCEE protocol requires MS/MSD instead of duplicate/matrix spikes. Therefore, the following CLP reporting forms were used to report MS/MSD data.

   - Two separate Form 5-As for recoveries for matrix spike and matrix spike duplicate.
   - Form 6 (one each) for RPDs for MS/MSD.

5) Times of analysis for instruments that do not provide this information (MAS50B and SPEC21) are estimated on Form 14 (Analytical Run Log).

6) Analyte field size restrictions resulted in Molybdenum being truncated to "Molybdenu" on the reporting forms.

7) A quality control sample (MS/MSD) was not designated for the samples in this SDG. However, AFCEE sample RB11-35-0812 (NUS sample P279469) was digested and analyzed as the QC sample for all elements. AFCEE sample RB11-36-1317 (NUS sample P279464) was digested and analyzed as the QC sample for mercury only.

8) Percent recovery results were used in Form VI for sample RB11-36-1317 (NUS sample P279464) since matrix spike (MS and MSD) results, which are based upon substantially different sample weights used, yielded an artificially high RPD (software limitation). However, the true precision based upon the percent recoveries is quite reproducible for a soil sample as indicated in the Form.

9) The mercury initial calibration check (ICV) on the analysis run of 07/30/94 yielded a high recovery of 120.1%. However, the positive bias was not reflected in the samples in this SDG as all sample results were observed to be less than the detection limit.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2D
SDG: RB11G
VOLATILES DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2D
SDG: RB11G
VOLATILES

1) The samples in this package were analyzed by protocols to meet the requirements of the Air Force IRP/AFCEE as defined in "Handbook to Support the Installation Restoration Program (IRP) Statements of Work," September, 1993. These requirements are defined in the Sampling and Analysis Plan (SAP) as modified by any subsequent revisions.

2) The LCS data were tabulated and reported as if they were MS. Each LCS was given the name of the associated blank followed by the MS (LCS) suffix. For example, soil blank VBLKED is associated with VBLKEDMS (LCS).

3) Internal standard areas are reported for all sample analyses, but corrective action is required only if internal standard areas for a continuing calibration do not meet criteria as specified in the SW-846 methods.

4) The following surrogate failures were noted.

Sample #	Sample ID	Date/Time of Analysis	Instrument	Surrogate	% Recovery	Recovery Limits %
P280244	TBD1071894	7-21-94 / 15:12	GCMSE	Bromofluorobenzene	118	87-112
P280255	11EB071894	7-21-94 / 15:54	GCMSE	Bromofluorobenzene	116	87-112
P280256	TBD2071894	7-21-94 / 16:29	GCMSE	Bromofluorobenzene	114	87-112

Aqueous trip blanks and equipment blanks were analyzed by the low level soil procedure but were reported in aqueous units. These data were accepted because the surrogate recoveries were high. These recoveries do meet soil volatile system monitoring compound recoveries. No affect upon the sample data in this package is expected from this situation.

5) The date received indicated on the Form 1s is actually the date sampled.

6) Percent moistures were not determined for soil blanks and LCS's. The percent moisture field on the form 1s for these samples were left blank.

7) "J" qualifiers appear on target analytes spike results for those matrix spike and LCS samples in which the target analytes were detected at concentrations below their respective reporting limits.

8) The BFB tune for the initial calibration data on 6/7/94 was obtained from the Finnigan-Mat data system printout on GCMSE. It was not reprocessed through the Thru-Put system software; hence, the appearance of these data differs from all other calibration data in this package. Similar situations exist for tunes on GCMSE on 7/21/94 and 7/26/94.

9) 2-Chloroethyl vinyl ether was either marginally detected or not detected in the LCSs analyzed on 7/21/94, 7/25/94, 7/26/94 and 7/27/94. However, it was adequately detected in matrix spikes analyzed on 7/21 and 7/25/94.

10) Vinyl acetate was either marginally detected or not detected in the matrix spikes (11140107MS, 11140107MSD, RB11110107MS). However, vinyl acetate was detected in all of the LCSs analyzed on the same GC/MS instrument (GCMSE) on the sample date of analyses 7/25/94.

11) Only a matrix spike was analyzed for sample P280245 (RB11110107). This is permitted by the new AFCEE protocol.

12) The characters "RB" were deleted from the sample IDs for P280248 (RB11140107) and the MS/MSDs to shorten the sample IDs to allow them to comply with data processing software limitations.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2D
SDG: RB11G
SEMIVOLATILES DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2D
SDG: RB11G
SEMIVOLATILES

1) The samples in this package were analyzed by protocols to meet the requirements of the Air Force IRP/AFCEE as defined in "Handbook to Support the Installation Restoration Program (IRP) Statements of Work," September, 1993. These requirements are defined in the Sampling and Analysis Plan (SAP) as modified by any subsequent revisions.

2) The LCS data were tabulated and reported as if they were MS. Each LCS was given the name of the associated blank followed by the MS (LCS) or suffix. For example, water blank SBLKGY is associated with SBLKGYMS (LCS).

3) Internal standard areas are reported for all sample analyses, but corrective action is required only if internal standard areas for a continuing calibration do not meet criteria as specified in the SW-846 methods.

4) The following compound did not meet the 30.0%D established for continuing calibrations for the AFCEE protocol:

Instrument/Date and Time	Compound	%D
GCMSG / 7-27-94 / 0236	Di-n-octylphthalate	-38.0

Di-n-octylphthalate was not detected in any of the samples associated with this case. Di-n-octylphthalate recoveries wee acceptable in the LCSs.

5) Lot #LA41854 of LCS spiking solution obtained from Supelco, Inc. included several target analytes which were prepared in the cocktail at a concentration other than 100 µg/mL. For those compounds for which concentrations were determined to be different than 100 ± 5 µg/mL, the corrected concentrations were used to determine LCS and MS/MSD recoveries.

6) Percent moistures were not determined for soil blanks and LCS's. The percent moisture field on the form 1s for these samples were left blank.

7) "J" qualifiers appear on target analyte spike results for those matrix spike and LCS samples in which the target analytes were detected at concentrations below their respective normal reporting limits.

8) Pages 000023 through 000030 were removed from the data package during data review.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2D
SDG: RB11G
INORGANIC DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2D
SDG: RB11G
INORGANIC

1) The samples in this data package were analyzed by protocols that are to meet the requirements of "Handbook to Support the Installation Restoration Program (IRP) Statements of Work", September 1993 and any project-specific requirements. The requirements for analysis and reporting are specified in the laboratory quality assurance plan for AFCEE as modified by the Sampling and Analysis Plan.

2) CLP reporting forms were used even though CLP protocols are not required for the analyses. Data qualifiers, as specified in the table immediately following the Cover Page, are used on the reporting forms according to CLP requirements; although these requirements may not be specific to AFCEE reporting procedures.

3) The "date received" that appears on Form 1s is actually the date of sample collection.

4) AFCEE protocol requires MS/MSD instead of duplicate/matrix spikes. Therefore, the following CLP reporting forms were used to report MS/MSD data.

   - Two separate Form 5-As for recoveries for matrix spike and matrix spike duplicate.
   - Form 6 (one each) for RPDs for MS/MSD.

5) Times of analysis for instruments that do not provide this information (MAS50B and SPEC21) are estimated on Form 14 (Analytical Run Log).

6) Analyte field size restrictions resulted in Molybdenum being truncated to "Molybdenu" on the reporting forms.

7) Zinc was observed (2.6 mg/kg) above the AFCEE PQL in the preparation blank associated with samples in this SDG in batch 27666. However, as all samples yielded zinc results greater than ten times that observed in the blank, the data were acceptable and no other corrective measures were necessary.

8) Antimony in the initial calibration verification (ICV) of the ICP analysis run of 07/29/94 was out of control. Consequently, samples requiring antimony including those in this SDG in batches 27766 and 27737 were reanalyzed for antimony on 08/03/94.

9) Calcium, iron, and zinc were observed above their respective AFCEE PQLs in the preparation blank associated with the water sample in this SDG in batch 27721. However, since sample RB11-EB-071894 (NUS sample P280255) did not yield any results for these elements above the AFCEE PQLs, the sample results were accepted. Although positive hits are reported for iron and zinc on sample RB11-EB-071894, these values are below the respective PQLs and they should be considered as estimates only.

10) Calcium and zinc were observed above their respective AFCEE PQLs in the preparation blank associated with the soils in batch 27737. However, as all samples in the batch yielded results greater than ten times the levels found in the blank, the data were accepted.

11) Zinc was observed (6.9 mg/kg) above the AFCEE PQL in the preparation blank associated with samples in this SDG in batch 27766. Consequently, all samples with zinc values less than ten times that observed in the blank were reprepared on 08/03/94 in batch 27987 and reanalyzed for zinc in the ICP analysis run of 08/04/94. The reanalyses yielded acceptable results which were reported.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2D
SDG: RB11H
SEMIVOLATILES DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2D
SDG: RB11H
SEMIVOLATILES

1) The samples in this package were analyzed by protocols to meet the requirements of the Air Force IRP/AFCEE as defined in "Handbook to Support the Installation Restoration Program (IRP) Statements of Work," September, 1993. These requirements are defined in the Sampling and Analysis Plan (SAP) as modified by any subsequent revisions.

2) The LCS data were tabulated and reported as if they were MS. Each LCS was given the name of the associated blank followed by the MS (LCS) or suffix. For example, water blank SBLKGY is associated with SBLKGYMS (LCS).

3) Internal standard areas are reported for all sample analyses, but corrective action is required only if internal standard areas for a continuing calibration do not meet criteria as specified in the SW-846 methods.

4) The following compounds did not meet the 30.0%D established for continuing calibrations for the AFCEE protocol:

Instrument/Date and Time	Compound	%D
GCMSG / 7-27-94 / 0236	Di-n-octylphthalate	-38.0

No di-n-octylphthalate was present in any of the samples associated with this package. The LCS recovery for this analyte was acceptable in SBLKGYMS which was quantitated using the continuing calibration.

5) Lot #LA41854 of LCS spiking solution obtained from Supelco, Inc. included several target analytes which were prepared in the cocktail at a concentration other than 100 µg/mL. For those compounds for which concentrations were determined to be different than 100 ± 5 µg/mL, the corrected concentrations were used to determine LCS and MS/MSD recoveries.

6) Percent moistures were not determined for soil blanks and LCS's. The percent moisture field on the form 1s for these samples were left blank.

7) "J" qualifiers appear on target analyte spike results for those matrix spike and LCS samples in which the target analytes were detected at concentrations below their respective normal reporting limits.

8) The 3-nitroaniline concentrations observed in the following LCSs are flagged with an "E".

Sample ID	Date/Time of Analysis	Instrument
SBLKFOMS	8-4-94 / 4:16	GCMSF
SBLKFNMS	8-3-94 / 14:31	GCMSF

No attempt was made to reanalyze these LCSs at dilution to bring the 3-nitroaniline within the range of the calibration, since 3-nitroaniline was not detected in any of the samples in this case.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2D
SDG: RB11H
VOLATILES DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2D
SDG: RB11H
VOLATILES

1) The samples in this package were analyzed by protocols to meet the requirements of the Air Force IRP/AFCEE as defined in "Handbook to Support the Installation Restoration Program (IRP) Statements of Work," September, 1993. These requirements are defined in the Sampling and Analysis Plan (SAP) as modified by any subsequent revisions.

2) The LCS data were tabulated and reported as if they were MS. Each LCS was given the name of the associated blank followed by the MS (LCS) suffix. For example, soil blank VBLKER is associated with VBLKERMS (LCS).

3) Internal standard areas are reported for all sample analyses, but corrective action is required only if internal standard areas for a continuing calibration do not meet criteria as specified in the SW-846 methods.

4) The following compounds did not meet the 25.0%D criteria established for continuing calibrations for the AFCEE protocol:

Instrument/Date and Time	Compound	%D
GCMSE / 7-27-94 / 0028	1,1-Dichloroethene	26.6

This compound met criteria when evaluated on the Finnigan data system, but was just outside of the 25.0%D criteria when evaluated on the H-P data system. No adverse affect on the data is expected. No 1,1-dichloroethene was detected in any of the samples associated with this case.

5) The date received indicated on the Form 1s is actually the date sampled.

6) Percent moistures were not determined for soil blanks and LCSs. The percent moisture field on the Form 1s for these samples was left blank.

7) "J" qualifiers appear on target analyte spike results for those matrix spike and LCS samples in which the target analytes were detected below normal reporting limits.

8) 2-Chloroethyl vinyl ether was either marginally detectable or non-detectable in the LCSs analyzed on 7/24 and 7/27/94. However, it was adequately detected in matrix spikes analyzed on 7/27/94.

9) The BFB tune for the initial calibration data on 06/07/94 was obtained from the Finnigan-Mat data system printout on GCMSE. It was not reprocessed through the thru-put system software; hence, the appearance of these data differs from all other calibration data in this package. Similar problems were noted for tunes on 7/26/94 on GCMSE.

10) The aqueous trip blanks were analyzed as soils with the permission of the HNUS project manager.

11) Vinyl acetate was not detected in the matrix spike (B11S30001MS) nor in the matrix spike duplicate (B11530001MSD) of sample P280432 (B1153001). However, vinyl acetate was detected in both LCSs analyzed on the same GC/MS instrument (GCMSE) on the sample date of analysis (7/27/94).

12) The characters "R" was deleted from the sample IDs for the sample and MS/MSDs for sample P280432 (RB11530001) to shorten the sample IDs to allow them to comply with data processing software limitations.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2D
SDG: RB11H
INORGANIC DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2D
SDG: RB11H
INORGANIC

1) The samples in this data package were analyzed by protocols that are to meet the requirements of "Handbook to Support the Installation Restoration Program (IRP) Statements of Work", September 1993 and any project-specific requirements. The requirements for analysis and reporting are specified in the laboratory quality assurance plan for AFCEE as modified by the Sampling and Analysis Plan.

2) CLP reporting forms were used even though CLP protocols are not required for the analyses. Data qualifiers, as specified in the table immediately following the Cover Page, are used on the reporting forms according to CLP requirements; although these requirements may not be specific to AFCEE reporting procedures.

3) The "date received" that appears on Form 1s is actually the date of sample collection.

4) AFCEE protocol requires MS/MSD instead of duplicate/matrix spikes. Therefore, the following CLP reporting forms were used to report MS/MSD data.

   - Two separate Form 5-As for recoveries for matrix spike and matrix spike duplicate.
   - Form 6 (one each) for RPDs for MS/MSD.

5) Times of analysis for instruments that do not provide this information (MAS50B and SPEC21) are estimated on Form 14 (Analytical Run Log).

6) Analyte field size restrictions resulted in Molybdenum being truncated to "Molybdenu" on the reporting forms.

7) A quality control sample (MS/MSD) was not designated for the samples in this SDG. However, AFCEE sample RB11-RB-071994 (NUS sample P280428) was digested and analyzed as the aqueous QC sample for all elements with the exceptions of mercury and cyanide. AFCEE sample RB11-S3-0001 (NUS sample P280432) was digested and analyzed as the solid QC sample for all elements.

8) The initial calibration blank (ICB) for ICP analysis performed on 07/29/94 yielded a high value for antimony. All samples associated with this analytical run were analyzed for antimony at a later date (08/03/94).

9) Zinc was observed (6.9 mg/kg) above the AFCEE PQL in the preparation blank associated with samples in this SDG in batch 27766. Consequently, all samples with zinc values less than ten times that observed in the blank were reprepared on 08/03/94 in batch 27987 and reanalyzed for zinc in the ICP analysis run of 08/04/94. The reanalyses yielded acceptable results which were reported.

10) Calcium and zinc were observed above their respective AFCEE PQLs in the preparation blank associated with the soils in batch 27737. However, as all samples in the batch yielded results greater than ten times the levels found in the blank, the data were accepted.

11) Calcium, iron, and zinc were observed above their respective AFCEE PQLs in the preparation blank associated with the water sample in this SDG in batch 27721. Consequently, sample RB11-EB-071994 (NUS sample P280428) was reprepared in batch 28015 and reanalyzed for these elements on 08/09/94. Iron and zinc were acceptable in the ICP analysis run of 08/09/94, however calcium in the repreparation blank was just above its PQL. On reanalysis on 08/10/94, calcium in the repreparation blank yielded and acceptable results.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2D
SDG: RB1LJ
VOLATILES DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2D
SDG: RB1LJ
VOLATILES

1) The samples in this package were analyzed by protocols to meet the requirements of the Air Force IRP/AFCEE as defined in "Handbook to Support the Installation Restoration Program (IRP) Statements of Work," September, 1993. These requirements are defined in the Sampling and Analysis Plan (SAP) as modified by any subsequent revisions.

2) The LCS sample data were tabulated and reported as if they were MS. Each LCS was given the name of the associated blank followed by the MS (LCS) suffix. For example, soil blank VBLKEI is associated with VBLKEIMS (LCS).

3) Internal standard areas are reported for all sample analyses, but corrective action is required only if internal standard areas for a continuing calibration do not meet criteria as specified in the SW-846 methods.

4) The date received indicated on the Form 1s is actually the date sampled.

5) Percent moistures were not determined for soil blanks and LCSs. The percent moisture field on the Form 1s for these samples was left blank.

6) 2-Chloroethylvinyl ether was not detected in the LCS analyzed with samples included in this SDG.

7) "J" qualifier appears on target analyte spike results for the LCS samples in which the target analytes were detected of concentrations below the normal reporting limits.

8) Aqueous trip blanks and rinsate blanks were analyzed with the low level soil method. This was done with the permission of the NUS project manager. TBD1081894 (P283925) and RB11RB081894 (P283926) were analyzed in this manner.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2D
SDG: RB1LJ
INORGANIC DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2D
SDG: RB1LJ
INORGANIC

1) The samples in this data package were analyzed by protocols that are to meet the requirements of "Handbook to Support the Installation Restoration Program (IRP) Statements of Work", September 1993 and any project-specific requirements. The requirements for analysis and reporting are specified in the laboratory quality assurance plan for AFCEE as modified by the Sampling and Analysis Plan.

2) CLP reporting forms were used even though CLP protocols are not required for the analyses. Data qualifiers, as specified in the table immediately following the Cover Page, are used on the reporting forms according to CLP requirements; although these requirements may not be specific to AFCEE reporting procedures.

3) The "date received" that appears on Form 1s is actually the date of sample collection.

4) AFCEE protocol requires MS/MSD instead of duplicate/matrix spikes. Therefore, the following CLP reporting forms were used to report MS/MSD data.

   - Separate Form 1s for the MS and MSD.
   - Two separate Form 5-As for recoveries for matrix spike and matrix duplicate.
   - Form 6 (one each) for RPDs for MS/MSD.

5) Times of analysis for instruments that do not provide this information (MAS50B and SPEC21) are estimated on Form 14 (Analytical Run Log).

6) Analyte field size restrictions resulted in Molybdenum being truncated to "Molybdenu" on the reporting forms.

7) The laboratory control standard associated with the solid samples in this SDG in preparation batch 28600 was initially analyzed on 08/28/94 and 08/29/94 yielding unacceptable results for barium and potassium. Consequently, AFCEE samples RB11-B2-0001 and RB11-B1-0001 (NUS samples P283927 and P283928, respectively) were reprepared in batch 28781 and reanalyzed for barium and potassium on 09/06/94 yielding acceptable results.

8) The initial calibration verification standard (ICV) for the ICP analysis run of 08/28/94 yielded a 110.4% recovery for sodium. This recovery is acceptable according to rounding rules specified in the laboratory's quality assurance plan as referenced in the AFCEE QAPP.

9) The last continuing calibration standard in the ICP analysis run of 08/28/94 yielded results for potassium and sodium above their respective practical quantitation limits. This was due to system contamination from leachate samples analyzed after the Kirtland samples and it would not have affected the results on the Kirtland samples

10) The initial calibration verification standard (ICV) for the ICP analysis run of 09/06/94 yielded a 110.7% recovery for selenium. However, as the only sample in this SDG (sample RB11-RB-081894) analyzed for selenium on this day, yielded a result less than the practical quantitation limit, the data was accepted.

The data were accepted because the surrogate recoveries were high and no target analytes were detected in the samples.

5) The following compound did not meet the minimum RRF criteria established for the AFCEE protocol:

Instrument/Date and Time	Compound	Minimum RRF	Observed RRF
GCMSC / 7-31-94 / 0647	Bromoform	0.250	0.249

This was observed in the 20 µg/L standard. All other standards exhibited satisfactory bromoform response. The mean RRF was 0.363 which met the 0.250 RRF criteria established for bromoform. No adverse affect on the data is expected.

6) The following compounds did not meet the 25.0%D criteria established for continuing calibrations for the AFCEE protocol:

Instrument/Date and Time	Compound	%D
GCMSC / 8-2-94 / 1234	Vinyl chloride	-76.4
GCMSC / 7-27-94 / 0028	1,1-Dichloroethene	26.6

The calibration of 8/2/94 was used solely to determine the precision and concentration of tetrachloroethene in selected samples. Since the response of 1,1-dichloroethene was high (rather than low) and this compound was not found in any of the samples, the data were accepted.

7) The date received indicated on the Form 1s is actually the date sampled.

8) Percent moistures were not determined for soil blanks and LCSs. The percent moisture field on the Form 1s for these samples was left blank.

9) 2-Chloroethylvinyl ether was not detected in some of the LCSs analyzed for this package.

10) The following samples were reanalyzed to confirm the presence of tetrachloroethylene.

Sample No.	Sample ID
P280450	11BG010812
P280451	11BG011317
P280441	RB11321822

Tetrachloroethene was not confirmed in any of the samples. We suspect the presence of tetrachloroethene in the initial analyses was due to carryover from sample from another project. That project's samples contained high levels of tetrachloroethene.

11) The following sample analyses exceeded the 14 day holding time.

Sample No.	Sample ID	Outside Holding Time		
		Days	Hours	Minutes
P280452RE	11BG011822RE	0	18	33
P280440RE	RB11321317RE	1	10	51

These samples were reanalyzed due to surrogate failures. No target analytes were present in either analysis.

12) Pages 000004 through 000011 were removed from this data package during data review.

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2D
SDG: RB11J
SEMIVOLATILES

1) The samples in this package were analyzed by protocols to meet the requirements of the Air Force IRP/AFCEE as defined in "Handbook to Support the Installation Restoration Program (IRP) Statements of Work," September, 1993. These requirements are defined in the Sampling and Analysis Plan (SAP) as modified by any subsequent revisions.

2) The LCS pair data were tabulated and reported as if they were MS. Each LCS was given the name of the associated blank followed by the MS (LCS) or suffix. For example, water blank SBLKFZ is associated with SBLKFZMS (LCS).

3) Internal standard areas are reported for all sample analyses, but corrective action is required only if internal standard areas for a continuing calibration do not meet criteria a superfund in the SW-846 method.

4) The following surrogate failures were noted.

Sample #	Sample ID	Date/Time of Analysis	Instrument	Surrogate	% Recovery	Recovery Limits %
	SBLKFZ			Nitrobenzene-d_5 2-Fluorobiphenyl	91 80	21-86 9-78
	SBLKFZMS			Nitrobenzene-d_5 2-Fluorobiphenyl	90 83	21-86 9-78
	RB11RB081894			Nitrobenzene-d_5 2-Fluorobiphenyl	91 82	21-86 9-78

The high surrogate recoveries were probably due to improvements made in the analytical technique (frequent column cutting and changing of injection port lines). The observed surrogate recovery failure should have no adverse effect on the data.

5) Lot #LA41854 of LCS spiking solution obtained from Supelco, Inc. included several target analytes which were prepared in the cocktail at a concentration other than 100 µg/mL. For those compounds whose concentrations were determined to be different than 100 ± 5 µg/mL, their concentrations were corrected and the corrected concentrations were used to determine LCS and MS/MSD recoveries.

6) Percent moistures were not determined for soil blanks and LCS's. The percent moisture field on the form 1s for these samples were left blank.

7) "J" qualifiers appear on target analyte spike results for some LCSs. No reanalysis was attempted, since the affected target analytes were not detected in any of the samples in this SDG.

8) An "E" qualifier appears on target analyte spike results for some LCSs. No reanalysis was attempted, since the affected target analytes were not detected in any of the samples in this SDG.

9) The date received indicated on the Form 1s is actually the date sampled.

10) Raw data from the DFTPP tune for the continuing calibration analyzed on GCMSF on 8/28/94 was included due to an inability to process the data file through the Thru-Put system software.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2D
SDG: RB11I
SEMIVOLATILES DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2D
SDG: RB11I
SEMIVOLATILES

1) The samples in this package were analyzed by protocols to meet the requirements of the Air Force IRP/AFCEE as defined in "Handbook to Support the Installation Restoration Program (IRP) Statements of Work," September, 1993. These requirements are defined in the Sampling and Analysis Plan (SAP) as modified by any subsequent revisions.

2) The LCS data were tabulated and reported as if they were MS. Each LCS was given the name of the associated blank followed by the MS (LCS) or suffix. For example, water blank SBLKGY is associated with SBLKGYMS (LCS).

3) Internal standard areas are reported for all sample analyses, but corrective action is required only if internal standard areas for a continuing calibration do not meet criteria as specified in the SW-846 methods.

4) Lot #LA41854 of LCS spiking solution obtained from Supelco, Inc. included several target analytes which were prepared in the cocktail at a concentration other than 100 µg/mL. For those compounds for which concentrations were determined to be different than 100 ± 5 µg/mL, the corrected concentrations were used to determine LCS, and MS/MSD recoveries.

5) Percent moistures were not determined for soil blanks and LCS's. The percent moisture field on the form 1s for these samples were left blank.

6) "J" qualifiers appear on target analyte spike results for those matrix spike and LCS samples in which the target analytes were detected at concentrations below their respective normal reporting limits.

7) Results for 3-nitroaniline in the following LCSs and matrix spikes were flagged with "E" qualifiers:

Sample ID	Date/Time of Analysis	Instrument
SBLKFNMS	8-3-94 / 14:31	GCMSF
B11320812MS	8-2-94 / 13:03	GCMSF
B11320812MSD	8-2-94 / 13:47	GCMSF

No attempt was made to reanalyze these extracts at dilution to bring the response of the target analyte within the calibration range, since 3-nitroaniline was not detected in any of the samples associated with this case.

8) In some instances the client sample IDs were truncated due to software limitations.

AIR FORCE IRP
AIR FORCE CENTER FOR
ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2D
SDG: RB11I
VOLATILES DATA PACKAGE

CASE COMMENTS
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE (AFCEE)
KIRTLAND AIR FORCE BASE
CASE ID: KRT2D
SDG: RB11I
VOLATILES

1) The samples in this package were analyzed by protocols to meet the requirements of the Air Force IRP/AFCEE as defined in "Handbook to Support the Installation Restoration Program (IRP) Statements of Work," September, 1993. These requirements are defined in the Sampling and Analysis Plan (SAP) as modified by any subsequent revisions.

2) The LCS sample data were tabulated and reported as if they were MS. Each LCS was given the name of the associated blank followed by the MS (LCS) suffix. For example, soil blank VBLKCZ is associated with VBLKCZMS (LCS).

3) Internal standard areas are reported for all sample analyses, but corrective action is required only if internal standard areas for a continuing calibration do not meet criteria as specified in the SW-846 methods.

4) The following surrogate failures were noted.

Sample #	Sample ID	Date/Time of Analysis	Instrument	Surrogate	% Recovery	Recovery Limits %
P280441	RB11321822	8-2-94 / 17:30	GCMSC	1,2-dichloroethane-d_4	132	66-124
P280441 RE	RB11321822RE	8-2-94 / 16:47	GCMSC	1,2-dichloroethane-d_4 Bromofluorobenzene	128 140	66-124 69-126
P280451	11B6011317RE	8-4-94 / 17:24	GCMSC	Bromofluorobenzene	135	69-126
P280452	11BG011822	8-2-94 / 18:00	GCMSC	Bromofluorobenzene	136	69-126
P280453	RB11BG012832	8-2-94 / 18:37	GCMSC	Bromofluorobenzene	135	69-126
P280440	RB11321317	8-2-94 / 20:27	GCMSC	Bromofluorobenzene	134	69-126
P280452 RE	11B6011822RE	8-3-94 / 20:27	GCMSC	1,2-Dichloroethene-d_4	138	66-124

Appendix L

Quality Assurance and Quality Control for Production of Documents

	BROWN & ROOT, INC. AND ASSOCIATED COMPANIES	GROUP POLICY
	Subject: QUALITY	Date: May 19, 1988 Number: 01-16

PURPOSE

The purpose of this policy is to define quality, to establish a high level of priority and importance for quality management, and to set the acceptable performance standard for each individual and operating unit.

POLICY

It is the policy of Brown & Root, Inc. and Associated Companies to perform our jobs and deliver services in an excellent manner. This requires that we anticipate, clearly understand, and meet the requirements agreed upon with our clients. Our responsibility is to manage quality, safety, and productivity with the best interests of our clients, employees, and the public in mind.

Our commitment to quality starts with top management and requires the involvement of all employees. Each individual and operating unit must abide by performance standards that demand continuous improvement so that our services are known for their quality and our company for its leadership in the industry.

Approved: Operating Committee
April 6, 1983

Revised: May 3, 1988

INTERNAL CORRESPONDENCE

TO: 2B & 2D RFI REPORT AUTHORS **DATE:** 9 AUGUST 1994

FROM: ROSS A. DIMMICK **COPIES:** FILE 2A56
FILE 2A96

SUBJECT: REPORT REVIEW GUIDELINES

This memo describes the review procedure that will be used for the Stage 2B & 2D RFI reports. A formal procedure is necessary to define the responsibilities of each reviewer, ensuring a report of consistently high-quality.

Every section (or, when appropriate, subsection) will undergo two reviews. The first is a thorough technical review consisting of the following:

1. ***Compare information with its source to the extent practicable.*** Look at referenced material to verify agreement and compare numbers in text and tables with those appearing in logbooks, laboratory printouts, or other reliable source. Initial these references in the text as they are checked.

2. ***Check calculations.*** Review all totals, averages, and counts (e.g., five samples were collected...). Initial these as they are checked.

3. ***Check agreement between text, tables, and figures.*** Ensure that information in the text is consistent with tables and figures.

4. ***Conduct editorial review.*** Review grammar, punctuation, spelling, and make sure that ideas are presented clearly and in a logical order.

5. ***Look for omissions.*** Make sure the section contains all information needed to support conclusions stated in the text.

After the first review, corrections will be made by the primary section author. A second review will consist of the above tasks except for the first two (although the second reviewer should note that calculations and references have been initialed). In addition, the second reviewer must perform the following:

- *Check consistency with other sections*. Ensure that the general writing style, topics covered, and conclusions drawn are consistent with other sections of the report. Ensure also that the document formatting is consistent with the rest of the report.

- *Compare section with Scope of Work*. Make sure that the document conforms to what is stated in the SOW.

To document this review process, Section I of the attached form should be filled out by the section's primary author and the form should be clipped to the front of the document prior to the first review. Marked-up review copies (with reviewers initials and date of review at the top of the first page) should be clipped behind this form and be retained throughout the review process.

Please let me know is you have any questions or suggestions regarding the review process or form.

HALLIBURTON NUS
Environmental Corporation

DOCUMENTATION OF REVIEW

I. Description

Report Title: Kirtland AFB RFI Report, Stage 2B, Section _____

Project Name: Kirtland AFB RFI, Stage 2B _____

Job No.: 2A56 _____ Rev. No.: 0

Author: _____

II. Review Assignment

		Name (print)	Date needed by
Assigned Reviewers:	1st Review	_____	_____
	2nd Review	_____	_____
	Additional	_____	_____
	Additional	_____	_____

III. Review Documentation

Review Complete (Reviewer Initial/Date)	Results		Comments Reviewed & Resolved (Author Initial/Date)	Resolution Approved (Reviewer Initial/Date)
1st	❑ Accept as is	❑ Resolution of Comments Required		
2nd	❑ Accept as is	❑ Resolution of Comments Required		
Add.	❑ Accept as is	❑ Resolution of Comments Required		
Add.	❑ Accept as is	❑ Resolution of Comments Required		

IV. Approval

Signatures

Task Manager: _____ Date: _____

Project Manager: _____ Date: _____

Appendix M

Geologic Cross Sections of Site RB-11

SOUTH

A

NORTH

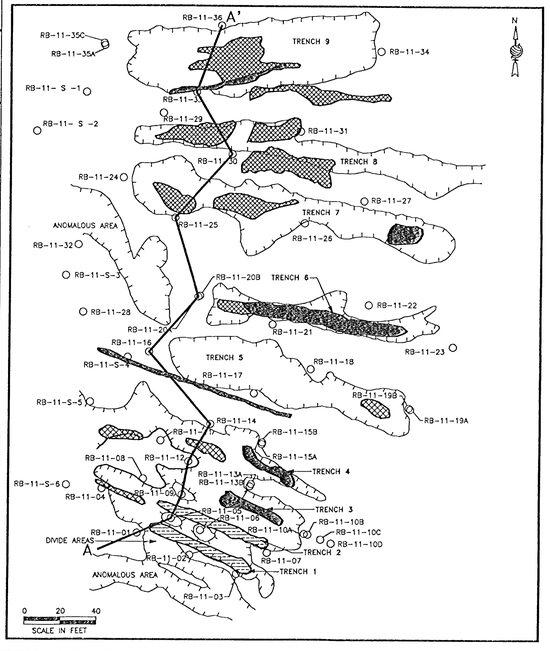
A'

RB11-01 RB11-05 RB11-09 RB11-12 RB11-14 RB11-16 RB11-20 RB11-25 RB11-30 RB11-33 RB11-36

TRENCH 1 TRENCH 2 TRENCH 3 TRENCH 4 TRENCH 5 TRENCH 6 TRENCH 7 TRENCH 8 TRENCH #9

ELEVATION (feet above MSL)

5458 5456 5454 5452 5450 5448 5446 5444 5442 5440 5438 5436 5434 5432 5430 5428 5426 5424 5422 5420



LEGEND

- SAMPLE LOCATION
- DEPRESSION
- ANOMALOUS VEGETATION
- ASPHALT
- AREA OF DISTURBED GROUND
- A ——— A' CROSS-SECTION LOCATION

LEGEND

- SM (SILTY SAND)
- SM/SW (SILTY GRAVELLY SAND)
- SP (CLEAN SAND)
- SW (GRAVEL–BEARING SAND)
- GRAVELS

1 NO SAMPLE ATTEMPTED (PER WORK PLAN)
NO SAMPLE RECOVERY FROM INTERVAL
2 3 SAMPLE COLLECTION INTERVAL

VERTICAL SCALE : 1" = 2'
HORIZONTAL SCALE : 1" = 20'
VERTICAL EXAGGERATION : 10:1

FIGURE D-1

CROSS-SECTION A–A'
RB-11 AREA
KIRTLAND AIR FORCE BASE, NEW MEXICO

SOUTH

B

RB11-03 RB11-07 RB11-13 RB11-15 RB11-17 RB11-18 RB11-22 RB11-27 RB11-31 RB11-34

NORTH

B'

ELEVATION (feet above MSL)

5458 5456 5454 5452 5450 5448 5446 5444 5442 5440 5438 5436 5434 5432 5430 5428 5426 5424 5422 5420

TRENCH #4 TRENCH #5 TRENCH #6 TRENCH #7 TRENCH #8 TRENCH #9

LEGEND

- SM (SILTY SAND)
- SM/SW (SILTY GRAVELLY SAND)
- SP (CLEAN SAND)
- SW (GRAVEL-BEARING SAND)
- GRAVELS

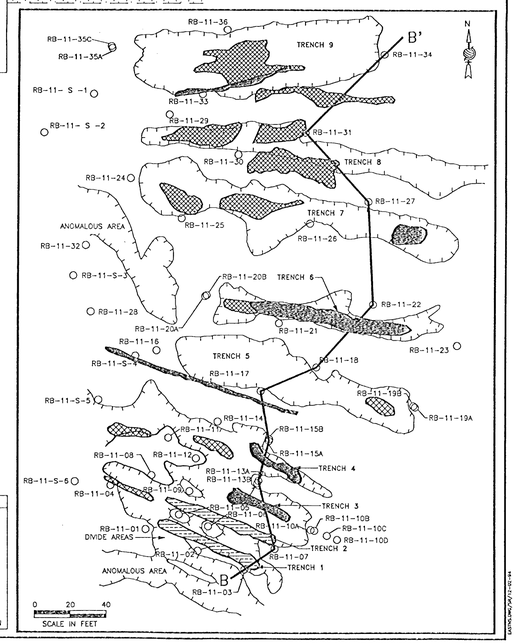
1
2
3

NO SAMPLE ATTEMPTED (PER WORK PLAN)
NO SAMPLE RECOVERY FROM INTERVAL
SAMPLE COLLECTION INTERVAL

VERTICAL SCALE : 1" = 2'
HORIZONTAL SCALE : 1" = 20'
VERTICAL EXAGGERATION : 10:1

FIGURE D-2

CROSS-SECTION B-B'
RB-11 AREA
KIRTLAND AIR FORCE BASE, NEW MEXICO



LEGEND

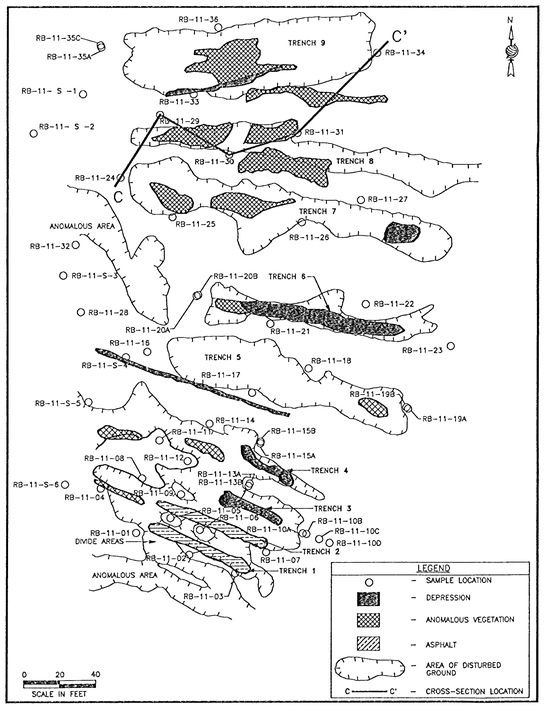
- SAMPLE LOCATION
- DEPRESSION
- ANOMALOUS VEGETATION
- ASPHALT
- AREA OF DISTURBED GROUND
- B —— B' CROSS-SECTION LOCATION

LEGEND

- SM (SILTY SAND)
- SM/SW (SILTY GRAVELLY SAND)
- SP (CLEAN SAND)
- SW (GRAVEL–BEARING SAND)
- GRAVELS

1 — NO SAMPLE ATTEMPTED (PER WORK PLAN)
2 — NO SAMPLE RECOVERY FROM INTERVAL
3 — SAMPLE COLLECTION INTERVAL

VERTICAL SCALE : 1" = 2'
HORIZONTAL SCALE : 1" = 20'
VERTICAL EXAGGERATION : 10:1



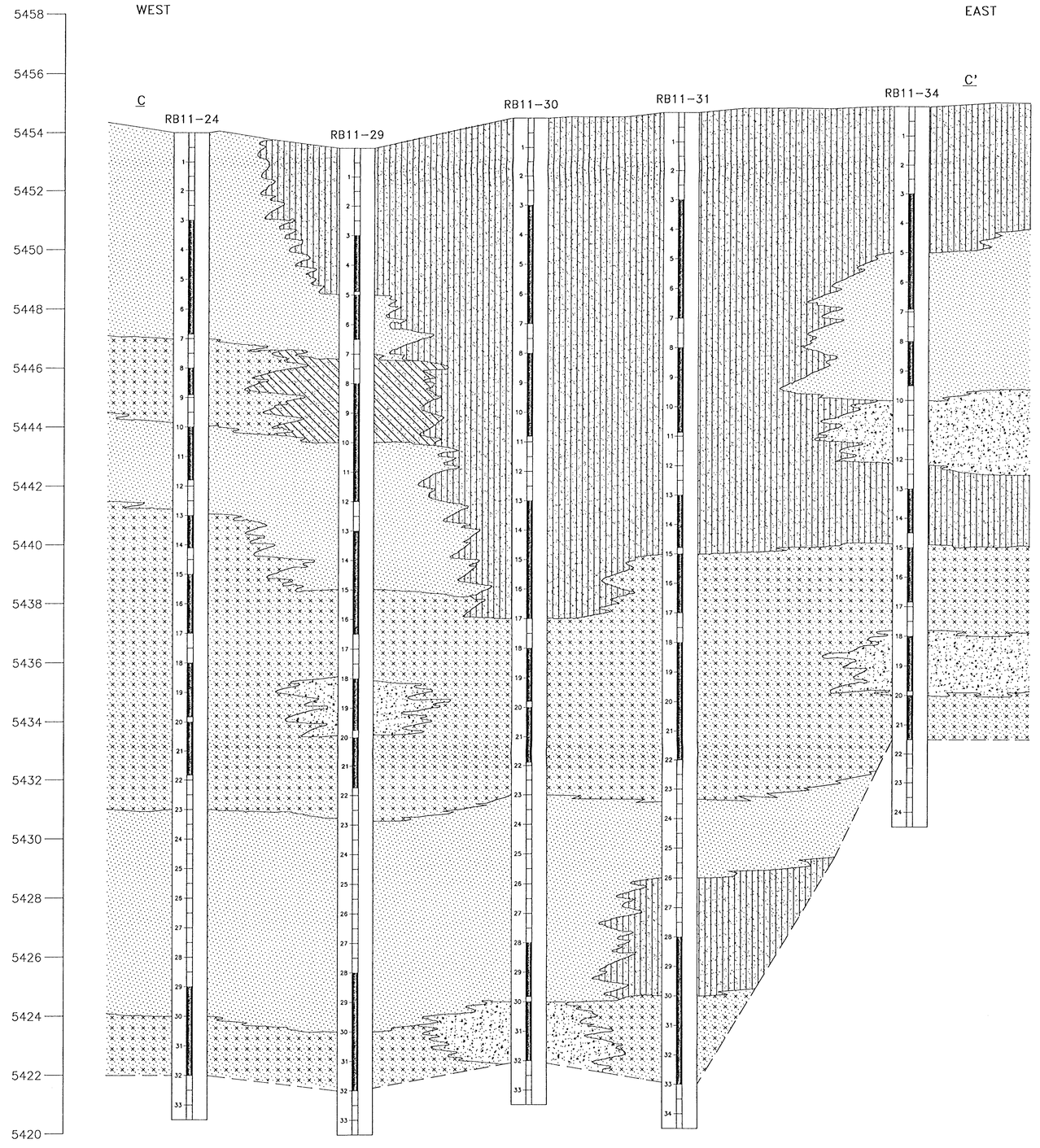


FIGURE D–3

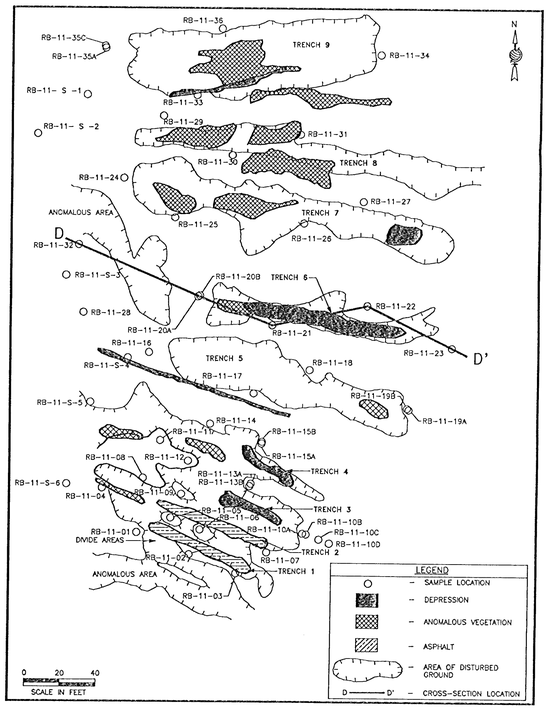
CROSS–SECTION C–C'
RB–11 AREA
KIRTLAND AIR FORCE BASE, NEW MEXICO

LEGEND

- SM (SILTY SAND)
- SM/SW (SILTY GRAVELLY SAND)
- SP (CLEAN SAND)
- SW (GRAVEL-BEARING SAND)
- GRAVELS

1 — NO SAMPLE ATTEMPTED (PER WORK PLAN)
2 — NO SAMPLE RECOVERY FROM INTERVAL
3 — SAMPLE COLLECTION INTERVAL

VERTICAL SCALE : 1" = 2'
HORIZONTAL SCALE : 1" = 20'
VERTICAL EXAGGERATION : 10:1



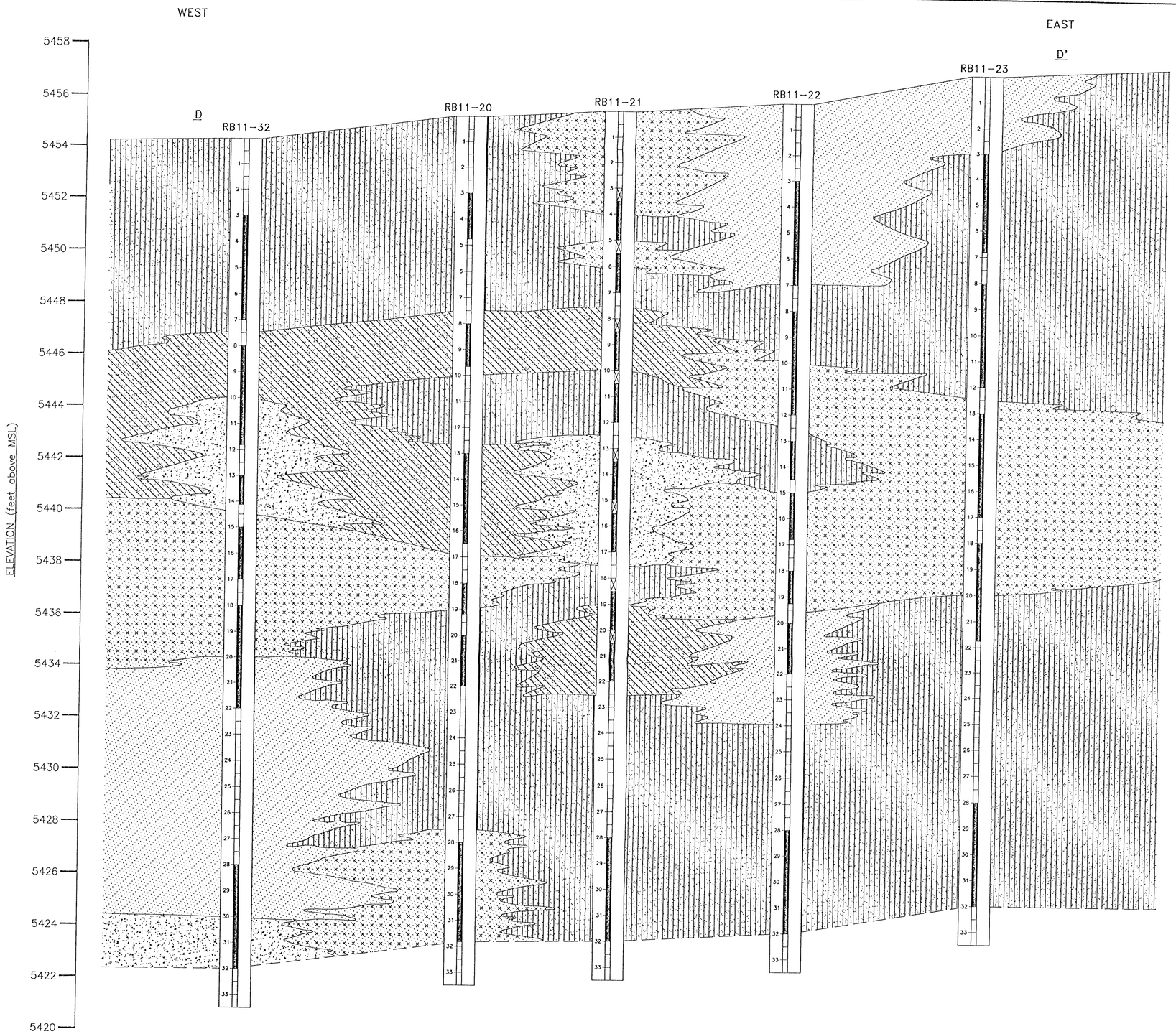


FIGURE D-4

CROSS-SECTION D-D'
RB-11 AREA
KIRTLAND AIR FORCE BASE, NEW MEXICO

LEGEND

SM (SILTY SAND)

SM/SW (SILTY GRAVELLY SAND)

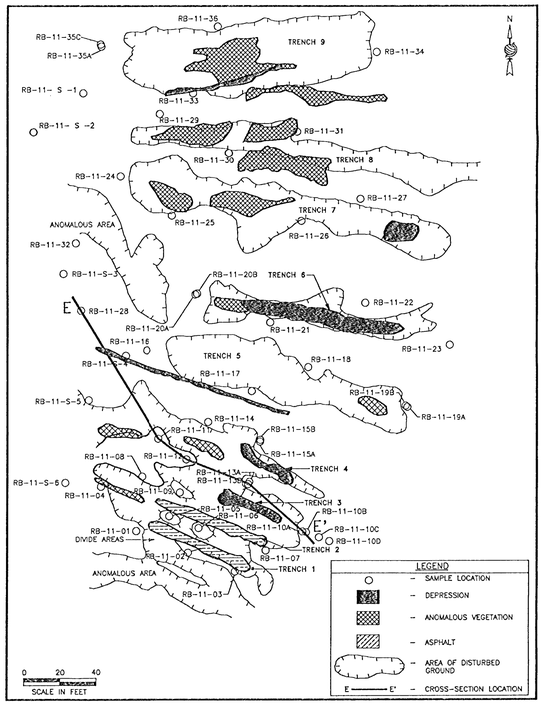
SP (CLEAN SAND)

SW (GRAVEL-BEARING SAND)

GRAVELS

NO SAMPLE ATTEMPTED (PER WORK PLAN)
NO SAMPLE RECOVERY FROM INTERVAL
SAMPLE COLLECTION INTERVAL

VERTICAL SCALE : 1" = 2'
HORIZONTAL SCALE : 1" = 20'
VERTICAL EXAGGERATION : 10:1



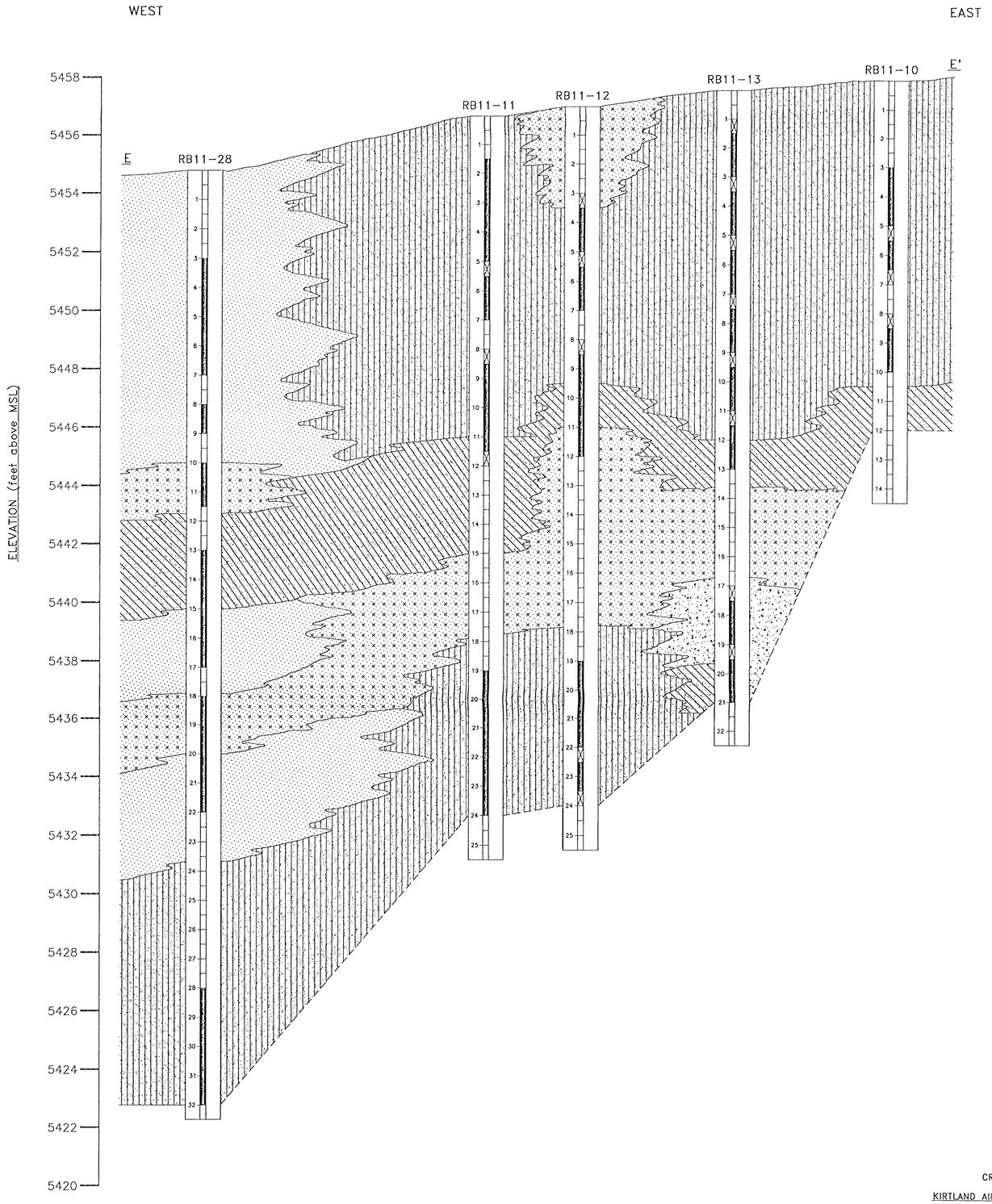


FIGURE D-5

CROSS-SECTION E-E'
RB-11 AREA
KIRTLAND AIR FORCE BASE, NEW MEXICO